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PARCERDUE GEOPRESSURE—GEOTHERMAL PROJECT

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APPENDIX B RESERVOIR TESTING AND ANALYSIS OTIS ENGINEERING CORPORATION

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SECTION I

THEORY

ANALYTIC PRESSURE ANALYSES

1. Flow Equations

The reservoir models used to perform the drawdown and buildup pressure analyses consist of analytic forms in lieu of the finite difference or numeric simulator types. Analytic models are derived from solutions of the diffusion equation^{1,2} which relate a pressure response with time and distance in the reservoir for a specified flow system.

Solutions of the diffusion equation are obtained through mathematical methods such as Laplace transforms,¹ Fourier transforms,³ Neuman's product techniques⁴ and Green's functions.⁵ Before an analytic solution is derived, the diffusivity equation is expressed in terms of dimensionless potential (m_D), dimensionless distance (r_D) and dimensionless time (t_D). For the cylindrical coordinate case, the diffusivity equation in dimensionless form for a geopressured system is given by

$$\frac{\partial^2 m_D(r_D, t_D)}{\partial r_D^2} + \frac{1}{r_D} \frac{\partial m_D(r_D, t_D)}{\partial r_D} = \frac{\partial m_D(r_D, t_D)}{\partial t_D} \dots \dots \dots (1)$$

where:

$$m_D(t_D) = k(p_i)h(m(p_i)-m(p))/141.26 \cdot q$$

$$t_D = 0.0002637 \cdot k(p)t/\phi(p)\mu_w(p)c_t(p)r_w^2$$

$$= \eta t$$

$$\eta = \text{diffusivity}$$

$$r_D = r/r_w$$

$$r_w = \text{wellbore radius}$$

$$m(p) = \frac{(1-\phi(p_i))}{k(p_i)} \int_{p_{sc}}^p \frac{k(p)dp}{(1-\phi(p))\mu_w(p)B_w(p)}$$

This equation is similar to the diffusion expression shown by Samaniego et al.⁶ except the water potential, $m(p)$, is normalized by $(1-\phi(p_i))/k(p_i)$ and the dimensionless time, t_D , is defined in terms of an average reservoir pressure, p . Also, the variation of water density with pressure is considered to be negligible over the undersaturated pressure range of interest, $\rho_w(p_i) \approx \rho_w(p_b)$. A check of the reservoir PVT data only shows a 0.716 % reduction in ρ_w from 11,447 psia to 8550 psia. As pointed out by Samaniego et al., Eq. 1 is similar to the diffusivity equation but it is nonlinear since the diffusivity is pressure-dependent.

Standard AIME nomenclature for reservoir engineering is included at the end of this appendix.

One of the well-known solutions of Eq. 1 is the continuous line source¹ shown as follows, in terms of the flowing water potential function at the wellbore

$$m(p_w) = m(p_i) - (70.63 q/k(p_i)h)(-E_i(-1/4t_D)) \dots (2)$$

where:

$$-E_i(-x) = \int_x^\infty e^{-u} du/u$$

In technical literature, Eq. 2 is sometimes referred to as the Lord Kelvin or Theis solution. As shown by van Everdingen and Hurst,¹ the cylinder effects of the wellbore become negligible at large time and the above continuous line source solution equals the finite radius source solution. The aquifer permeability and test times of this project are by far large enough to justify use of the continuous line source solution.

Impervious aquifer boundaries can be represented by imaging an infinite well array of line sources around the real well to form lines of symmetry with respect to each boundary.⁷ Each image well of this array has the same rate schedule of the real well and the boundary shapes are limited to simple polygons. In this study, only the rectangle shape will be considered since most actual reservoir shapes can be approximated with a weighted cut and fill rectangle.

2. Drawdown Tests

The flowing potential for constant flow rate at the real well influenced by boundaries is then given by

$$m(p_w) = m(p_i) - (70.63 q/k(p_i)h)(-E_i(-1/4t_D)) + \sum_{i=1}^{\infty} -E_i(-a_i^2/4t_D r_w^2)) \dots (3)$$

In Eq. 3 the first E_i term represents the potential drawdown due to the propagation of the transient through the reservoir rock and the second E_i term accounts for the potential drawdown caused by reservoir boundaries.

Including turbulent flow in the reservoir, skin effect, and the log approximation for small values of the first exponential integral argument, Eq. 3 becomes

$$m(p_w) = m(p_i) - (70.63q/k(p_i)h)(\ln(4t_D/\gamma) + 2(s+qD) + \sum_{i=1}^{\infty} -E_i(-a_i^2/4t_D r_w^2)) \dots (4)$$

where:

s = skin effect

D = turbulent flow constant

γ = 1.781072 exponential of Euler's constant

Constant flow rate is normally not achieved in field testing and it is necessary to account for the effects of variable flow rate on potential behavior through an application of Duhamel's theorem⁸ as follows

$$m(p_w) = m(p_i) - \int_0^{t_D} \frac{d(q_D(t_D)m_D(t_D-T)dT}{dt_D} \dots (5)$$

where:

$$q_D(t_D) = q/70.63k(p_i)h(m(p_i)-m(p_w))$$

$$m_D(t_D) = \ln(4t_D/\gamma) + \sum_{i=1}^{\infty} -E_i(a_i^2/4t_D r_w^2) + 2(s+Dq)$$

Approximating the above integral with a summation of discrete time steps generates the following superposed analytic expression for the flowing or shut-in potential at the wellbore

$$m(p_w) = m(p_i) - (70.63/k(p_i)h) \left(\sum_{k=1}^{k=j} (q_k - q_{k-1}) (\ln(4(t_{Dj} - t_{Dk-1})/\gamma) + \sum_{i=1}^{\infty} -E_i(-a_i^2/4(t_{Dj} - t_{Dk-1})r_w^2)) + 2q_j(s+Dq_j) \right) \dots (6)$$

where:

$$q_{wo} = 0$$

$$t_{Do} = 0$$

Samaniego et al.⁶ have shown that the principle of superposition is applicable to the pressure-dependent flow or nonlinear problem of this case. However, some inherent problems with the diffusivity term arise when Eq. 6 is applied and the geopressed rock properties are not known as functions of pressure.

For example, if the general case is considered where the diffusivity is not pressure dependent, Eq. 6 can be written as follows

$$m(p_w) = m(p_i) - (70.63/k(p_i)h) \left(\sum_{k=1}^{k=j} (q_k - q_{k-1}) \ln(t_j - t_{k-1}) \right. \\ \left. + q_j (\ln \eta + 0.80908 + 2(s + Dq_j)) \right. \\ \left. + \sum_{k=1}^{k=j} (q_k - q_{k-1}) \sum_{i=1}^{\infty} -E_i(-a_i^2/4\eta(t_j - t_{k-1})r_w^2) \right) \quad (7)$$

where:

$$\eta = \text{diffusivity} \\ = 0.0002637k/\phi\mu c_t r_w^2 \\ c_t = c_w + c_f \\ c_w = \text{water compressibility, vol/vol/psi} \\ c_f = \text{rock compressibility, p.vol/p.vol/psi}$$

Eq. 7 indicates for constant diffusivity, a plot of $m(p_w)$ as a function of the first summation term will have a linear slope of $70.63/k(p_i)h$ prior to the boundary effects of the double summation term. This plot is customarily used for diagnostic purposes in the analyses of pressure drawdown and buildup test data. If the diffusivity term is not constant and pressure sensitive, the effect of assuming constant diffusivity, making the above plot and attempting to perform any analyses leads to a futile exercise. This point becomes even more clear if Eq. 6 is expanded for a sequence of two rates and diffusivities are considered during the transient time frames of each rate. Eq. 8 shows this expansion as follows

$$m(p_w) = m(p_i) - (70.63/k(p_i)h) (q_1 \ln(\eta_2 t_2) \\ + (q_2 - q_1) \ln(\eta_{2,1}(t_2 - t_1)) \\ + q_2 (0.80908 + 2(s + Dq_2)) \\ + q_1 \sum_{i=1}^{\infty} -E_i(-a_i^2)/4\eta_2 t_2 r_w^2) \\ + (q_2 - q_1) \sum_{i=1}^{\infty} -E_i(-a_i^2/4\eta_{2,1}(t_2 - t_1)r_w^2)) \quad (8)$$

Therefore, in this 2-rate case example, it is necessary to know values of η_2 and $\eta_{2,1}$ before the aforementioned superposed plot could be correctly constructed and analyses performed. Unfortunately, the diffusivity values are never available and it becomes necessary to find an alternate method for the drawdown analysis.

At flow times after the boundary effects influence the pressure response of a well in a geopressed system, an apparent pseudosteady state develops for an average system diffusivity defined at an average static reservoir pressure, $\bar{p}$, less than p_i . This concept is similar to the one developed for gas reservoirs⁹ and it is inferred from the publications of Samaniego et al.⁶ and Raghavan et al.¹⁰ in regard to correcting the diffusivity or time term after boundary effects prevail. Thus, for a laminar average rate, $\bar{q}$, an average diffusivity, $\bar{\eta}$, and an average pressure, $\bar{p}$, a useful late-time solution can be developed from Eq. 6 as follows

$$m(p_w) = m(p_i) - (70.63\bar{q}/k(p_i)h)(\ln(4\bar{\eta}t/\gamma) + \sum_{i=1}^{\infty} -E_i(-a_i^2/4\bar{\eta}tr_w^2) + 2s) \dots \dots \dots (9)$$

and for large t

$$\sum_{i=1}^{\infty} -E_i(-a_i^2/4\bar{\eta}tr_w^2) = 4\pi\bar{\eta}tr_w^2/A - \ln(CA\bar{\eta}tr_w^2/A)$$

where:

C_A = reservoir shape factor

A = reservoir area, ft^2

Substituting for the summation term in Eq. 9 and rearranging gives

$$m(p_w) = m(p_i) - (70.63\bar{q}/k(p_i)h)(\ln(4A/\gamma C_A r_w^2) + 4\pi\bar{\eta}tr_w^2/A) \dots \dots \dots (10)$$

and the material balance states that

$$m(p_i) = m(\bar{p}) + (4\pi)(70.63)\bar{q}t\bar{\eta}r_w^2/k(p_i)A \dots \dots \dots (11)$$

Substituting for $m(p_i)$ in Eq. 10 yields

$$m(p_w) = m(\bar{p}) - \bar{q}C \dots \dots \dots (12)$$

where:

$$C = (70.63/k(p_i)h)(\ln(4A/\gamma C_A r_w^2) + 2s)$$

= constant for laminar flow

Eq. 12 when coupled with a material balance and nonlinear regression provides the method used to analyse long-term drawdown test data available for this study.

3. Pressure Drawdown Analyses

(Nonstatic Pressure Method)

The aquifer initially contains saturated or undersaturated water. If the water is initially saturated, both water and free gas will be present. In situations where the aquifer pressure is initially equal to or greater than the bubble-point pressure, saturation pressure, only a water phase is present and the aquifer is said to be originally undersaturated. In so far as this study is concerned all measured pressure data are above the bubble-point.

Possible sources of energy for producing water and gas from the aquifer are the expansions of indigenous water and rock plus lateral water influx from peripheral low-permeability sand or shale. Vertical water influx from surrounding and/or interbedded shales is another possible energy source for fluid displacement in the aquifer. Thus, an inventory or aquifer material balance of produced, remaining and added volumes of water can be derived for any time in the producing history of the aquifer by applying the basic principles of mass and energy conservation:

$$\text{mass produced} = (\text{mass initially in-place}) - (\text{mass remaining})$$

For isothermal fluid displacement in an initially undersaturated aquifer system the material balance is comprised of produced water = expansion of initial water in-place + expansion of rock + vertical water influx + peripheral water influx or in standardized nomenclature form

$$B_w W_p = W(B_w - B_{wi}) + B_{wi} W(p_i - \bar{p}) c_f + W_{es} + W_{ep}$$

Subscripts es and ep of the above W terms refer to shale water influx and peripheral water influx, respectively, and the formation compressibility term, c_f , is in units of pore volume per pore volume per delta psi. Factoring and rearranging the above expression gives the desired material balance equation

$$W_p = W(1 + B_{wi}((p_i - \bar{p})\bar{c}_f - 1)/B_w) + (W_{es} + W_{ep})/B_w \dots (13)$$

It is important to note in Eq. 13 that W_p , cumulative water production, is the dependent variable while W, the water

volume initially in-place, $\bar{c}_f$, the average rock compressibility and certain terms comprising W_{es} and W_{ep} are independent unknowns.

In regard to the W_{es} term, it has been established¹¹ that the cumulative water influx caused by shale compaction, W_{es} , can be represented by

$$W_{es} = C_1(p_i - \bar{p})$$

where:

C_1 = shale water influx constant, rbbbls/psi

The influx term, W_{ep} , can be represented by one of several conceptual models. As proposed originally by van Everdingen and Hurst¹ (hereafter abbreviated HVE) and subsequently applied in numerous cases¹²⁻¹⁷ the W_{ep} term is

$$W_{ep} = C_2 \sum (Q_D(C_3 \Delta t) \Delta p_n)$$

where:

C_2 = water influx constant, rbbbls/delta psi

C_3 = hydraulic diffusion constant in terms of inner radius, $k/\phi \mu r_w^2$, cgs units

$$Q_D(C_3 \Delta t) = Q_D(\Delta t_D)$$

= dimensionless, constant-terminal-influx rate function originally derived by HVE

Δt = incremental time step

Δp_n = superposed pressure change

$$= (p_{n-2} + p_{n-1})/2 - (p_{n-1} + p_n)/2$$

The well-known dimensionless, constant-terminal-influx rate, $Q_D(C_3 \Delta t)$, is an analytic function. This function is summarized by Whiting and Ramey¹⁷ for "infinite" type aquifers having radial, linear or hemispherical flow geometry. The original HVE work,¹ Edwardson et al.¹⁸ and Chatas and Malekfam¹⁹ furnish Q_D functions for finite radial aquifers of large and small extent. Nabor and Barham²⁰ developed Q_D expressions for linear aquifer geometry. Thus, by means of a regression procedure and the aforementioned form of Eq. 13 several aquifer flow geometries can be evaluated from performance history.

Substituting for W_{es} and W_{ep} in Eq. 13 gives the desired material balance equation

$$W_p = W(1+B_{wi}((p_i-\bar{p})\bar{c}_f-1)/B_w)+C_1(p_i-\bar{p})/B_w \\ +C_2\Sigma(Q_D(C_3\Delta t)\Delta p_n)/B_w \dots \dots \dots (14)$$

Now a nonlinear regression problem is posed for simultaneously solving the unknowns: C of Eq. 12 and W , $\bar{c}_f$, C_1 , C_2 ; C_3 of Eq. 14. As will be demonstrated, Eq. 12 resolves the dilemma of unknown $\bar{p}$ and B_w values in Eq. 14 since it allows replacing $\bar{p}$ in terms of the constant C .

Different applications of nonlinear regression to material balance problems have been performed in the oil and gas industry.^{21,22} However, these cases are formulated on the premise that a valid $\bar{p}$ history is known. Experience indicates this to be a rare situation since wells are not usually shut in long enough to achieve true $\bar{p}$ measurements. Therefore, the aforementioned procedure of coupling Eqs. 12 and 14 should allow more rigorous analyses of late-time pressure drawdown data. Depending on the type of reservoir-energy mechanism selected, it is desirable to solve for one or more parameters of the unknown set: W , p_i , C , $\bar{c}_f$, C_1 , C_2 and C_3 by nonlinear regression. Thus, the problem is to obtain a least-squares estimate of m parameters from a set of n data points.

Least-squares theory²³ requires minimizing the residual error, E , between calculated and measured dependent water production variables for a set of n data points. In terms of measured water production, W_{pm} , and calculated water production, W_{pc} , this minimization gives

$$E = \sum_{i=1}^n (R_i)^2 = \sum_{i=1}^n [(W_{pm}-W_{pc})^2]_i \dots \dots \dots (15)$$

Differentiating Eq. 15 with respect to a parameter, X_j , provides the normal equations of minimizing E . This is shown as

$$\frac{\partial E}{\partial X_j} = -2 \sum_{i=1}^n \{ [W_{pm}-W_{pc}]_i \frac{\partial W_{pi}}{\partial X_j} \} = 0, (j=1,2,3\dots m), \dots (16)$$

where:

$$\hat{X}_j = \text{least-squares estimate of } X_j.$$

The partial derivatives of the dependent variable, W_p , with respect to the unknown parameters, X_j , are required. For

example, taking the partial derivative of Eq. 14 with respect to the pseudosteady-state constant, C , of Eq. 12 for a nonwater-influx case yields

$$\begin{aligned} \frac{\partial W_p}{\partial C} = & (WB_{wi}(\Delta p \bar{c}_f - 1) + C_1 \Delta p) \frac{\partial (1/B_w)}{\partial C} \\ & - \frac{1}{B_w} (WB_{wi} \bar{c}_f + C_1) \frac{\partial \bar{p}}{\partial C} \dots \dots \dots (17) \end{aligned}$$

where:

$$\begin{aligned} \frac{\partial \bar{p}}{\partial C} &= \frac{\partial \bar{p}}{\partial m(\bar{p})} \times \frac{\partial m(\bar{p})}{\partial C} = \bar{q} \frac{\partial \bar{p}}{\partial m(\bar{p})} \\ \frac{\partial (1/B_w)}{\partial C} &= \frac{\partial (1/B_w)}{\partial \bar{p}} \times \frac{\partial \bar{p}}{\partial m(\bar{p})} \times \frac{\partial m(\bar{p})}{\partial C} \\ &= \bar{q} \frac{\partial (1/B_w)}{\partial \bar{p}} \times \frac{\partial \bar{p}}{\partial m(\bar{p})} \end{aligned}$$

Thus, the pseudosteady-state constant is now coupled with the material balance expression through the partial derivatives. Other required derivatives are shown as follows:

$$\frac{\partial W_p}{\partial W} = 1 + B_{wi}(\Delta p \bar{c}_f - 1)/B_w$$

$$\frac{\partial W_p}{\partial W} = WB_{wi} \Delta p / B_w$$

$$\frac{\partial W_p}{\partial C_1} = \Delta p / B_w$$

$$\frac{\partial W_p}{\partial C_2} = \Sigma (Q_D(C_3 \Delta t) \Delta p_n) / B_w$$

$$\frac{\partial W_p}{\partial C_3} = C_2 \Sigma (\Delta p_n \frac{\partial (Q_D(C_3 \Delta t))}{\partial C_3}) / B_w$$

The normal equations comprise a nonlinear problem requiring an iterative method for solving the X_i parameter set. Marquardt's lambda comprise²⁴ with a first-order expansion of the Taylor's series and constraints on the parameters were used in this study. A computer subroutine for this algorithm is shown by Kuester and Mize.²⁵ A similar version of this subroutine was incorporated with a computer program written to solve the aforementioned unknowns of Eqs. 12 and 14. Required partial derivatives were evaluated numerically, using a centered three-point finite difference or analytically.

After convergence is achieved by the regression solution a back calculation of the $\bar{p}$ history is obtained by writing Eq. 14 in residual form, taking partials with respect to $\bar{p}$ and solving through a Newton-Raphson iterative procedure. This method is shown as follows

the residual, R, is

$$R = W(1+B_{wi}(\Delta p \bar{c}_f - 1))/B_w + C_1 \Delta p/B_w + W_e/B_w - W_p \quad (18)$$

and minimizing R with respect to $\bar{p}$ gives

$$\begin{aligned} \frac{\partial R}{\partial \bar{p}} = & WB_{wi}(B_w(\Delta p \bar{c}_f - 1)) \frac{\partial (1/B_w)}{\partial \bar{p}} + \frac{\Delta p \partial \bar{c}_f}{\partial \bar{p}} \\ & - \bar{c}_f/B_w + C_1(\Delta p \frac{\partial (1/B_w)}{\partial \bar{p}} - \frac{1}{B_w}) \\ & + W_e \frac{\partial (1/B_w)}{\partial \bar{p}} \quad (19) \end{aligned}$$

a first order Taylor's expansion is

$$\bar{p}_c = \bar{p}_e - R/(\partial R/\partial \bar{p}) \quad (20)$$

Eqs. 18-20 complete one iteration of the Newton-Raphson procedure. If the calculated and estimated values of $\bar{p}$, $\bar{p}_c$ and $\bar{p}_e$, respectively, do not compare within a specified tolerance, ± 0.01 psi, then $\bar{p}_e = \bar{p}_c$ and the iteration step is repeated.

Rearranging the material balance of Eq. 14 gives an interesting form in terms of reservoir energy indicies as follows

$$\begin{aligned} & W(B_w - B_{wi})/B_w W_p + B_{wi} W \Delta p \bar{c}_f / B_w W_p + C_1 \Delta p / B_w W_p + W_e / B_w W_p \\ & = 1.0 \quad (21) \end{aligned}$$

The sequence of four terms in Eq. 21 expresses the reservoir energies at a pressure $\bar{p}$ due to water expansion, rock compaction, vertical or shale water influx and peripheral water influx, respectively which must sum to unity.

A prediction of future aquifer performance from a current $\bar{p}$ pressure to bubble-point pressure can also be performed using Eqs. 12 and 14 for a constant flow rate case. This prediction generates the cumulative water production, flow rate, flowing subsurface pressure and static reservoir pressure as a function of a given time step.

Overall, the major weak point of the described drawdown analyses procedure is the assumption of an average or constant rock compressibility prevailing at some analysis date. It was found that this weakness could cause false convergence in the regression procedure if the initial parameter estimates were too far off. Therefore, the buildup analyses were actually performed first and the results of these analyses were used as initial parameter estimates in the drawdown regressions.

4. Buildup Tests

Pressure buildups tests in geopressured reservoirs enjoy no immunity from the stress-sensitive diffusivity problem.

The aforementioned variable flow rate effects on the stress-sensitive diffusivity terms of Eqs. 6-8 in the drawdown case are even more pronounced for pressure buildup. During shut-in, the pressure-loading curve for diffusivity ($k(p)/\phi(p)ct(p)$ versus p) is in effect superposed on the previous pressure-unloading curve of flow such that two different curves are tracked in the hysteretic envelope as reservoir pressure increases. For example, if the well is shut in at t_1 , and $q_2 = 0$ in Eq. 8, the buildup potential response becomes

$$m(p_w) = m(p_i) - (70.63/k(p_i)h)(q_1 \ln(\frac{\eta_{DD}(t+\Delta t)}{\eta_{BU}\Delta t}) + q_1(\sum_{i=1}^{\infty} (-E_i(-a_i^2/4\eta_{DD}(t+\Delta t)r_w^2) - \sum_{i=1}^{\infty} -E_i(-a_i^2/4\eta_{BU}\Delta t r_w^2))). \dots \dots \dots (22)$$

where:

$$t+\Delta t = t_2$$

$$\Delta t = t_2 - t_1$$

$$\eta_{DD} = \eta_2$$

$$\eta_{BU} = \eta_{2,1}$$

It is clear from Eq. 22 that the diffusivity terms must be defined by the proper unloading and loading curves, respectively. Eq. 22, after certain modifications, presents the interesting

possibility of performing nonlinear regression analyses of late-time shut-in data.

For large flow times and adequately large shut-in times the shut-in potential response at the well will buildup to a static value, $m(\bar{p})$, which is less than the initial static value, $m(p_i)$. This pressure depletion effect can be seen when large transient times, $t+\Delta t$ and Δt , are substituted in the two summation terms of Eq. 22 or

$$\sum_{i=1}^{\infty} -E_i \left(-\frac{a_i^2}{4\eta_{DD}(t+\Delta t)r_w^2} \right) = 4\pi\eta_{DD}(t+\Delta t)r_w^2/A$$

$$- \ln(C_A\eta_{DD}(t+\Delta t)r_w^2/A)$$

$$\sum_{i=1}^{\infty} -E_i \left(-\frac{a_i^2}{4\eta_{BU}\Delta t r_w^2} \right) = 4\pi\eta_{BU}\Delta t r_w^2/A$$

$$- \ln(C_A\eta_{BU}\Delta t r_w^2/A)$$

Substituting and collecting terms in Eq. 22 gives

$$m(p_w) = m(p_i) - (70.63q_1/k(p_i)h)(4\pi\eta_{DD}t r_w^2/A)$$

Therefore, by the material balance of Eq. 11

$$m(p_w) = m(\bar{p})$$

where:

$$(t+\Delta t) \gg \Delta t$$

Thus, given adequate shut-in time the well will buildup to a pressure, $\bar{p}$. However, in actual practice the shut-in time requirement to achieve $\bar{p}$ is usually prohibitive.

The other case of interest is the one where late-time boundary effects cause the shut-in pressure response to accelerate. In this situation the flow time is large enough to cause the aforementioned pseudosteady-state flow but the shut-in time is not and the second summation term of Eq. 22 does not simplify. Eq. 8 for this case yields

$$m(p_w) = m(\bar{p}) - (70.63q_1/k(p_i)h)(4\pi\eta_{BU}\Delta t r_w^2/A$$

$$- \ln(C_A\eta_{BU}\Delta t r_w^2/A)$$

$$- \sum_{i=1}^{\infty} -E_i(-a_i^2/4\eta_{BU}\Delta t r_w^2)) \dots \dots \dots (23)$$

Eq. 23 presents the possibility of analysing the late-time, boundary departure region of a buildup profile with a regression method. Another point of interest for the late-time buildup region is an equivalent constant rate and flow time which evolve from a simple material balance. In this variable rate case the following relationship exists

$$\sum_{k=1}^{k=j} (q_k - q_{k-1}) (4\pi\eta_{DD}(t_j - t_{k-1})r_w^2/A - \ln(C_A\eta_{DD}(t_j - t_{k-1})))$$

$$= 4\pi\eta_{DD}(t^* + \Delta t)r_w^2/A - \ln(C_A\eta_{DD}(t^* + \Delta t)r_w^2/A)$$

and

$$m(\bar{p}) = m(p_i) - (4\pi(70.63)q^*/k(p_i)h)(t_D^*r_w^2/A)$$

where:

$$t_D^* = 0.0002637k(p)t^*/\phi(p)\mu(p)c_t(p)r_w^2$$

$$= \eta_{DD}t^*$$

t^* = equivalent constant rate time, hours

or

$$m(\bar{p}) = m(p_i) - 4\pi(70.63)24W_p\eta_{DD}r_w^2/A$$

where:

$$W_p = q^*t^*/24$$

q^* = equivalent constant rate, SBBL/D

Thus, a counterpart constant rate case exists at pseudosteady-state times for the variable rate schedule.

5. Pressure Buildup Analyses

Analyses of the buildup test data were performed as prescribed by Eq. 23 with the aid of the aforementioned nonlinear regression algorithm.^{24,25}

Parameters evaluated in this manner include $m(\bar{p})$, $k(p_i)h$, $\eta_{BUR}r_w^2$ and the four rectangle boundary distances, d_1 - d_4 . The other parameters such as A and C_A are functions of the rectangle boundary distances. Knowing values of $\bar{p}$, $k(\bar{p})$, $\eta_{BUR}r_w^2$ and cumulative water production at shut-in, it is possible to solve for rock compressibility on the buildup

cycle as follows

$$(c_f)_{BU} = 0.0002637k(\bar{p})/\phi(\bar{p})\mu_w(\bar{p})\eta_{BUR}r_w^2 - c_w(\bar{p})$$

The average diffusivity effective during prior flow, $\bar{\eta}_{DD}r_w^2$, can also be solved from the late-time buildup analysis results using Eq. 11 and the cumulative water production, W_p , at shut in

$$\bar{\eta}_{DD}r_w^2 = k(\bar{p})Ah(m(p_i))/21,301.51 W_p$$

where:

$$4\pi(70.63)(24) = 21,301.51$$

and solving for the average rock compressibility of the drawdown cycle gives

$$(c_f)_{DD} = 0.0002637k(\bar{p})/\phi(\bar{p})\mu_w(\bar{p})\bar{\eta}_{DD}r_w^2 - c_w(\bar{p})$$

SECTION II
CORE ANALYSES

CORE DATA

Results of the special core analyses presented in Sections 6.4-6.5 and in the Terra Tek reports of November 1981 and July 1983 were used to determine the permeability and porosity versus pressure correlations shown in Section 8.1.3. Additional efforts to extract useable correlations of rock compressibility as a function of pressure from the stress-strain analyses did not yield acceptable results.

Initially, the liquid permeabilities and porosities measured during uniaxial strain testing of core Sample Nos. 1, 3 and 5, Section 6.5, were examined for viable trends with pore pressure during loading and unloading cycles. These 3 samples have a log-mean "bench" permeability of 967.32 md and a math average porosity of 29.03 %. The only meaningful correlations of this data set were found in the unloading cycles. The permeability correlation of this set is as follows

$$\log k = 2.12671973 + 5.35118671 \times 10^{-5} (p)$$

where:

$$k = \text{md}$$

$$p = \text{psig}$$

$$S_y = \pm 0.46558$$

$$= \pm 2.92 \text{ md}$$

The intercept of this linear relationship was then adjusted for the log-mean "bench" permeability of five samples as follows

$$\log(133.88 \times 1546 \text{ md} / 967.32 \text{ md})$$

with the resulting relationship

$$\log k = 2.330359 + 5.35118671 \times 10^{-5} (p)$$

Similarly, the porosity fit yields

$$\phi = 27.0114634 \times 30.00 / 29.03 + 1.3459918 \times 10^{-4} (p)$$

or

$$\phi = 27.9140166 + 1.3459918 \times 10^{-4} (p)$$

where:

$$\phi = \%$$

$$p = \text{psig}$$

$$S_y = +2.1269 \%$$

The above permeability and porosity correlations were used in evaluating the water potential, $m(p)$, as a function of pressure.

Statistically, the best determinations of rock compressibility, c_f , as a function of pore pressure were generated from the unloading data of Sample Nos. 1 and 5. A surprisingly good linear fit of $\log(c_f)$ versus pore pressure was obtained for the calculated compressibility data of the samples as determined by the bulk compressibility method. This fit is shown as follows

$$\log c_f = 2.96937384 - 2.49505381 \times 10^{-4} (p)$$

$$c_f = 10^u$$

$$u = 2.96937384 - 2.49505381 \times 10^{-4} (p)$$

where:

$$c_f = p.\text{vol}/p.\text{vol}/\text{MMpsi}$$

$$p = \text{psig}$$

$$S_y = +0.080543$$

$$= +1.675 \times 10^{-6} p.\text{vol}/p.\text{vol}/\text{psi}$$

A comparison of the measured and calculated data points for the above fit is shown by Table B-1 of this appendix. An academic basis for the above $\log c_f$ fit is unknown, it is strictly empirical.

Calculations of bulk and pore compressibility^{26,27} were attempted using the uniaxial strain data reported for Sample Nos. 1, 3 and 5 in the Terra Tek report of July 1983, TR 84-02. Bulk compressibilities were computed by the following bulk volume-strain relationship

$$c_b = (\epsilon_{ax} + 2\epsilon_{tr})/\Delta p_m$$

where:

c_b = bulk compressibility, vol/vol/psi
 ϵ_{ax} = axial elastic strain, fraction
 ϵ_{tr} = transverse elastic strain, fraction
 p_m = mean effective pressure
 = $(p_{ax} - 2p_c)/3 - p_p$
 p_{ax} = axial compressive stress
 p_c = confining pressure
 p_p = pore pressure

and pore compressibilities were then determined by

$$c_f = (c_b - (1 - \phi)c_m)/\phi$$

where:

c_f = pore compressibility, p.vol/p.vol/psi
 ϕ = porosity, fraction
 c_m = 0.186×10^{-6} vol/vol/psi
 = estimated rock matrix compressibility

Permanent rock failure at high loading pressures appears to be a major problem with the test data along with various degrees of transient "creep" or dislocation of the sand grains during each test. These phenomena caused apparent discontinuities in the strain measurements and ensuing compressibility calculations.

In performing the compressibility calculations, the measured uniaxial strain data were initially screened to insure that continuity existed between: 1) bulk volume strain and mean effective pressure, 2) mean effective pressure and pore pressure, and 3) confining pressure and pore pressure relationships. In this manner, the influence of "wild" data points and regions of discontinuities were minimized in the compressibility calculations. Several computer runs were required for each data set to "winnow the chaff". The data were then smoothed by polynomial expressions and the numeric derivative requirement of the aforementioned c_b expression was determined from smoothed data.

Examples of final three screening plots are shown by Figures B-1, 2 and 3 and by Figures B-4, 5 and 6 for the first load and unload cycles of Sample No. 1, respectively. Tables B-2 and B-3 summarize the processed uniaxial strain data and calculated compressibilities for these examples and Figures B-7 and B-8 and Figures B-9 and B-10 display the calculated compressibility plots for the respective cycles of Sample No. 1. Similar procedures were applied to the available lab data for Sample Nos. 3 and 5. Apparent mechanical problems with lab equipment and rock yield at a low pore pressure of 8488 psig significantly reduced the calculated pressure range for Sample No. 3.

Finally, the graphical stress-strain data presented in the Terra Tek report of November 1981, TR81-107, were digitized and rock compressibility calculations were attempted using the reported approximate confining and pore pressure points of each stress path. However, no viable results were tractable from the reported data. The reported pressure points are apparently inaccurate and too sparse for the rock compressibility calculations.

TABLE B-1

COMPOSITE FIT OF $\log(cf)$ VERSUS $p(\text{psig})$
 UNLOADING CYCLES, SAMPLE NOS. 1 AND 5
 DOW/DOE NO. 1 L. R. SWEEZY WELL

<u>p</u> <u>(psig)</u>	<u>(cf)_{meas}</u> <u>(vol/vol/MMpsi)</u>	<u>(cf)_{calc}</u> <u>(vol/vol/MMpsi)</u>	<u>Δc_{fm-c}</u> <u>(vol/vol/MMpsi)</u>
11071	1.193	1.611	-0.418
10936	1.270	1.741	-0.471
10221	2.568	2.625	-0.057
9824	3.825	3.298	0.527
9490	5.108	3.996	1.112
9214	6.291	4.682	1.609
8678	8.802	6.370	2.432
7999	12.146	9.410	2.736
7354	9.829	13.631	3.802
7396	14.986	13.306	1.680
7209	15.798	14.815	0.983
7189	12.990	14.986	-1.996
7160	16.004	15.238	0.766
7110	14.277	15.682	-1.405
6955	16.586	17.142	-0.556
6873	17.137	17.969	-0.832
6742	19.556	19.374	0.182
6594	18.104	21.093	-2.989
6494	22.730	22.340	0.390
6381	23.893	23.839	0.054
6139	24.928	27.394	-2.466

TABLE B-2

FIRST LOAD, CORE SAMPLE NO. 1
 DEPTH=13345 FT, PHIO=26.1 %, KO=1972 MD
 DOW/DOE NO. 1 L. R. SWEETZ WELL
 CIB JEFF SAND
 PARCERDUE PROJECT
 VERMILION PARISH, LOUISIANA

DATA FILE:
 WASP FILE:

PAGE:

UNIAXIAL STRAIN CORE TEST MEASURED AND CALCULATED DATA

PORE PRES. (PSIG)	EFF. PRES. (PSIG)	AX. STRAIN (PERCENT)	RAD. STRAIN (PERCENT)	POROSITY (PERCENT)	B. V. STRAIN (PERCENT)	P. V. STRAIN (PERCENT)	BULK COMPRESS (BV/BV/MMPSI)	PORE COMPRESS (PV/PV/MMPSI)
5046.00	79.33	0.024	0.027	26.111	0.078	0.028	10.238	38.677
5153.00	85.33	0.024	0.030	26.108	0.084	0.045	10.220	38.612
5377.00	93.67	0.024	0.028	26.113	0.080	0.017	10.186	38.489
5470.00	105.33	0.027	0.033	26.106	0.093	0.061	10.173	38.444
6035.00	120.67	0.034	0.042	26.096	0.118	0.126	10.109	38.218
6165.00	121.67	0.033	0.041	26.098	0.115	0.108	10.097	38.175
6401.00	143.33	0.038	0.049	26.087	0.136	0.174	10.076	38.102
6525.00	147.33	0.040	0.053	26.081	0.146	0.206	10.066	38.065
6653.00	164.00	0.043	0.055	26.077	0.153	0.224	10.055	38.027
6775.00	178.33	0.047	0.062	26.067	0.171	0.286	10.045	37.991
7070.00	187.33	0.048	0.062	26.071	0.172	0.274	10.019	37.898
7583.00	202.00	0.052	0.070	26.063	0.192	0.322	9.966	37.704
7970.00	206.67	0.055	0.073	26.061	0.201	0.336	9.914	37.509
8970.00	207.67	0.057	0.078	26.065	0.213	0.329	9.697	36.690
9272.00	217.33	0.060	0.082	26.062	0.224	0.355	9.599	36.322
9399.00	244.67	0.065	0.087	26.052	0.239	0.403	9.553	36.146
9842.00	271.00	0.071	0.098	26.039	0.267	0.485	9.363	35.427
9993.00	291.67	0.075	0.102	26.032	0.279	0.522	9.288	35.142
10109.00	323.33	0.079	0.109	26.021	0.297	0.582	9.226	34.907
10981.00	339.00	0.088	0.119	26.011	0.326	0.646	8.636	32.678
11256.00	369.67	0.096	0.130	25.993	0.356	0.744	8.400	31.785

COMPACTION COEFFICIENT, $D(EAX)/D(PP) = 0.1051/MMPSI$
 SLOPE OF PM VS PP, $D(PM)/D(PP) = 0.0417$
 BULK COMPRESSIBILITY $= D(VB)/D(PM) * VB$
 PORE COMPRESSIBILITY $= D(VP)/D(PP) * VP$

TABLE B-3

FIRST UNLOAD, SAMPLE NO. 1
 DEPTH=13345 FT, PHI=26.1 %, KO=1972 MD
 DOW/DOE NO. L. R. SWEETZ WELL
 CIB JEFF SAND
 PARCERDUE PROJECT
 VERMILION PARISH, LOUISIANA

DATA FILE:
 WASP FILE:

PAGE:

UNIAXIAL STRAIN CORE TEST MEASURED AND CALCULATED DATA

PORE PRES. (PSIG)	EFF. PRES. (PSIG)	AX. STRAIN (PERCENT)	RAD. STRAIN (PERCENT)	POROSITY (PERCENT)	B. V. STRAIN (PERCENT)	P. V. STRAIN (PERCENT)	BULK COMPRESS (BV/BV/MMPSI)	PORE COMPRESS (PV/PV/MMPSI)
7586.00	3547.33	1.106	0.381	24.841	1.868	6.580	0.979	3.381
7354.00	3716.33	1.131	0.383	24.817	1.897	6.695	2.580	9.829
7189.00	3738.33	1.151	0.377	24.807	1.905	6.738	3.362	12.990
7110.00	3766.00	1.162	0.379	24.796	1.920	6.797	3.680	14.277
6955.00	3826.33	1.190	0.375	24.778	1.940	6.882	4.249	16.586
6881.00	3888.33	1.203	0.379	24.762	1.961	6.963	4.507	17.634
6742.00	3941.00	1.231	0.378	24.740	1.987	7.069	4.979	19.556
6680.00	3954.33	1.244	0.377	24.731	1.998	7.115	5.184	20.393
6617.00	3977.33	1.256	0.376	24.723	2.008	7.156	5.386	21.221
6555.00	3999.67	1.268	0.376	24.713	2.020	7.205	5.578	22.005
6494.00	4016.67	1.281	0.376	24.701	2.033	7.259	5.755	22.730
6438.00	4031.33	1.292	0.374	24.696	2.040	7.289	5.904	23.341
6381.00	4066.67	1.307	0.376	24.681	2.059	7.364	6.037	23.893
6276.00	4145.33	1.333	0.378	24.656	2.089	7.480	6.220	24.654
6139.00	4149.00	1.372	0.376	24.628	2.124	7.625	6.279	24.928

COMPACTION COEFFICIENT, $D(EAX)/D(PP) = -1.8461/MMPSI$
 SLOPE OF PM VS PP, $D(PM)/D(PP) = -.4076$
 BULK COMPRESSIBILITY $= D(VB)/D(PM) * VB$
 PORE COMPRESSIBILITY $= D(VP)/D(PP) * VP$

FIGURE B-1

FIRST LOAD, CORE SAMPLE NO.1
DEPTH=13345 FT, $\phi_{10}=26.1\%$, $K_0=1972$ MD
DOW/DOE NO.1 L. R. SWEETZ WELL
CIB JEFF SAND
PARCERDUE PROJECT
VERMILION PARISH, LOUISIANA

FIGURE B-2

FIRST LOAD, CORE SAMPLE NO.1
 DEPTH=13345 FT, $\phi=28.1\%$, $K=1972$ MD
 DOW/DOE NO.1 L. R. SWEETZ WELL
 CIB JEFF SAND
 PARCERDUE PROJECT
 VERMILION PARISH, LOUISIANA

FIGURE B-3

FIRST LOAD, CORE SAMPLE NO.1
 DEPTH=13345 FT, PHI=26.1 %, K=1972 MD
 DDW/DOE NO.1 L. R. SWEETZ WELL
 CIB JEFF SAND
 PARCERDUE PROJECT
 VERMILION PARISH, LOUISIANA

FIGURE B-4

FIRST UNLOAD, SAMPLE NO.1
 DEPTH=13345 FT, $\phi=26.1\%$, $K=1972$ MD
 DOW/DOE NO. L. R. SWEETZ WELL
 CIB JEFF SAND
 PARCERDUE PROJECT
 VERMILION PARISH, LOUISIANA

FIGURE B-5

FIRST UNLOAD, SAMPLE NO.1
 DEPTH=13345 FT, $\phi=26.1\%$, $K=1972$ MD
 DOW/DOE NO. L. R. SWEETZ WELL
 CIB JEFF SAND
 PARCERDUE PROJECT
 VERMILION PARISH, LOUISIANA

FIGURE B-6

FIRST UNLOAD, SAMPLE NO.1
 DEPTH=13345 FT, $\phi=26.1\%$, $K=1972$ MD
 DOW/DOE NO. L. R. SWEETZ WELL
 CIB JEFF SAND
 PARCERDUE PROJECT
 VERMILION PARISH, LOUISIANA

FIGURE B-7

FIRST LOAD, CORE SAMPLE NO.1
 DEPTH=13345 FT, $\phi_{10}=26.1\%$, $K_0=1972$ MD
 DOW/DOE NO.1 L. R. SWEETZ WELL
 CIB JEFF SAND
 PARCERDUE PROJECT
 VERMILION PARISH, LOUISIANA

FIGURE B-8

FIRST LOAD, CORE SAMPLE NO.1
 DEPTH=13345 FT, $\phi=26.1\%$, $K=1972$ MD
 DOW/DOE NO.1 L. R. SWEETZ WELL
 CIB JEFF SAND
 PARCERDUE PROJECT
 VERMILION PARISH, LOUISIANA

FIGURE B-9

FIRST UNLOAD, SAMPLE NO.1
 DEPTH=13345 FT, $\phi=26.1\%$, $K_0=1972$ MD
 DOW/DOE NO. L. R. SWEETZ WELL
 CIB JEFF SAND
 PARCERDUE PROJECT
 VERMILION PARISH, LOUISIANA

FIGURE B-10

FIRST UNLOAD, SAMPLE NO.1
 DEPTH=13345 FT, $\phi=26.1\%$, $K=1972$ MD
 DOW/DOE NO. L. R. SWEETZ WELL
 CIB JEFF SAND
 PARCERDUE PROJECT
 VERMILION PARISH, LOUISIANA

SECTION III

BASIC
AND
PROCESSED TEST DATA

Pressure Drawdown and Buildup Data

Measured pressure drawdown and buildup data are shown in chronologic sequence by the following tables and plots. These data are relevant to the discussions of Section 8.2 of the report and the companion plots of Figures 8-2, 8-3, 8-4, and 8-5. Each set of test data is comprised of tables containing measured times, pressures, and flow rates followed by tables of data processed for plotting purposes. Examples of the various plots examined for each test are shown for Drawdown No. 11 and Buildup No. 11 following the last table.

DRAWDOWN TEST 1&2 OF 4/26 - 4/28/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASD2A
WASP FILE: BF-D2

PAGE: 1

SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW QSF RESBPD
1	0.00277778	5295.975	11415.465	M	6939.00
2	0.0558333	5223.975	11408.088	M	6939.00
3	0.0633333	5292.975	11419.288	M	6939.00
4	0.146667	5302.975	11422.811	M	6939.00
5	0.185556	5245.975	11401.001	M	6939.00
6	0.226389	5224.975	11391.804	M	6939.00
7	0.291111	5257.975	11362.547	M	6939.00
8	0.330000	5262.975	11391.534	M	6939.00
9	0.370000	5301.975	11412.042	M	6939.00
10	0.396389	5256.975	11361.947	M	6939.00
11	0.436944	5297.975	11405.134	M	6939.00
12	0.459722	5277.975	11388.951	M	6939.00
13	0.500556	5223.975	11316.998	M	6939.00
14	0.557778	5270.975	11361.327	M	6939.00
15	0.615000	5290.975	11372.587	M	6939.00
16	0.648333	5183.975	11313.595	M	6939.00
17	0.686667	5192.975	11289.955	M	6939.00
18	0.715833	5092.975	11203.439	M	6939.00
19	0.793056	5207.975	11289.054	M	6939.00
20	0.821389	5051.975	11158.309	M	6939.00
21	0.875278	4907.975	11054.134	M	6939.00
22	2.226111	4274.975	11037.890	M	6939.00
23	40.62611	5370.975	11285.041	M	0.00
24	40.62972	5345.975	11278.054	M	4992.00
25	40.64583	5353.975	11267.025	M	4992.00
26	40.67444	5320.975	11262.160	M	4992.00
27	40.69583	5266.975	11228.660	M	4992.00
28	40.72000	5250.975	11203.067	M	4992.00
29	40.73167	5249.975	11213.186	M	4992.00
30	40.74667	5253.975	11223.195	M	4992.00
31	40.77611	5199.975	11188.695	M	4992.00
32	40.81361	5179.975	11153.383	M	4992.00
33	40.84278	5179.975	11143.975	M	4992.00
34	40.86778	5168.975	11129.812	M	4752.00
35	40.88444	5203.975	11150.961	M	4752.00

DRAWDOWN TEST 1&2 OF 4/26 - 4/28/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASD2A
WASP FILE: BF-D2

PAGE: 2

SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
36	40. 97194	5212. 975	11147. 418	M	4752. 00
37	41. 05528	5210. 975	11138. 820	M	4752. 00
38	41. 14278	5210. 975	11135. 177	M	4752. 00
39	41. 17194	5300. 975	11189. 305	M	4752. 00
40	41. 19278	5303. 975	11196. 492	M	4752. 00
41	41. 20944	5306. 975	11202. 857	M	4752. 00
42	41. 22611	5222. 975	11140. 942	M	4752. 00
43	41. 24694	5094. 975	11037. 179	M	4752. 00
44	41. 25944	5232. 975	11144. 685	M	4752. 00
45	41. 28028	5190. 975	11103. 618	M	4752. 00
46	41. 45333	5378. 975	11280. 987	M	0. 00
47	41. 46111	5230. 975	11156. 526	M	4512. 00
48	41. 47611	5185. 975	11117. 271	M	4512. 00
49	41. 54000	5200. 975	11133. 155	M	4512. 00
50	41. 56778	5189. 975	11123. 036	M	4512. 00
51	41. 60944	5194. 975	11081. 569	M	4512. 00
52	41. 65528	5192. 975	11120. 614	M	4512. 00
53	41. 75528	5180. 975	11110. 495	M	4512. 00
54	41. 79694	5167. 975	11098. 564	M	4512. 00
55	41. 84278	5140. 975	11075. 103	M	4512. 00
56	41. 87611	5086. 975	11031. 924	M	7200. 00
57	41. 90944	5036. 975	10994. 210	M	7200. 00
58	41. 95944	5066. 975	11011. 896	M	7200. 00
59	41. 98861	5041. 975	10988. 645	M	7200. 00
60	42. 07194	5031. 975	10978. 036	M	7200. 00
61	42. 11361	5020. 975	10966. 706	M	7200. 00
62	42. 14694	5010. 975	10955. 796	M	7200. 00
63	42. 19278	4983. 975	10932. 945	M	7200. 00
64	42. 23861	4942. 975	10897. 173	M	7200. 00
65	42. 25944	4931. 975	10886. 764	M	7200. 00
66	42. 28861	4921. 975	10876. 455	M	7200. 00
67	42. 32194	4946. 975	10888. 175	M	7200. 00
68	42. 34278	4950. 975	10893. 430	M	7200. 00
69	42. 37611	4593. 975	10603. 578	M	7800. 00
70	42. 40944	4764. 975	10699. 895	M	7800. 00

DRAWDOWN TEST 1&2 OF 4/26 - 4/28/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: MASD2A
 WASP FILE: BF-D2

PAGE: 3

SHORT TERM WELL TEST
 MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
71	42. 43861	4970. 975	10877. 566	M	7800. 00
72	42. 48444	4988. 975	10887. 575	M	7800. 00
73	42. 64694	4977. 975	10877. 165	M	7800. 00
74	42. 69694	4954. 975	10858. 168	M	7800. 00
75	42. 73444	4984. 975	10881. 109	M	7800. 00
76	42. 86361	5008. 975	10896. 362	M	7800. 00
77	43. 02611	4978. 975	10872. 311	M	7800. 00
78	43. 09278	4962. 975	10855. 446	M	7800. 00
79	43. 17611	4939. 975	10835. 838	M	7800. 00
80	43. 25944	4921. 975	10816. 240	M	7800. 00
81	43. 34278	4903. 975	10796. 743	M	7800. 00
82	43. 47611	4863. 975	10757. 047	M	9696. 00
83	43. 65944	4846. 975	10741. 093	M	9696. 00
84	43. 77611	4850. 975	10748. 369	M	9696. 00
85	44. 02611	4835. 975	10734. 226	M	9696. 00
86	44. 27917	4828. 975	10729. 172	M	9696. 00
87	44. 34278	4823. 975	10724. 127	M	9696. 00
88	44. 60944	4808. 975	10710. 995	M	10272. 00
89	44. 84278	4813. 975	10705. 550	M	10272. 00
90	45. 09278	4677. 975	10609. 033	M	10272. 00
91	45. 34278	4451. 975	10401. 905	M	10272. 00
92	45. 59278	4391. 975	10370. 336	M	14016. 00
93	45. 82611	4344. 975	10307. 429	M	14016. 00
94	46. 00944	4185. 975	10184. 166	M	14016. 00
95	46. 15944	4129. 975	10129. 466	M	14016. 00
96	46. 52056	4653. 975	10548. 178	M	14016. 00

* M - MEASURED
 C - CALCULATED

DRAWDOWN TEST 1&2 OF 4/26 - 4/28/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASD2A
WASP FILE: BF-D2

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE (MPW) PSI/CP*80	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*80 PER CYCLE
1	0.0027778	11400.440	15817.6000	-17738.15	0.00000	0.00000
2	0.055833	11393.063	15792.0000	-8695.29	-1.27527	1.40824
3	0.063333	11404.263	15822.4000	-8315.46	-1.21785	0.68124
4	0.14667	11407.786	15833.6000	-5784.81	-0.84197	1.20412
5	0.18556	11385.976	15782.4000	-5076.05	-0.73808	1.54654
6	0.22639	11376.779	15763.2000	-4476.65	-0.65051	1.73560
7	0.29111	11347.522	15699.2000	-3718.89	-0.54011	2.07335
8	0.33000	11376.509	15763.2000	-3341.02	-0.48516	1.73560
9	0.37000	11397.017	15811.2000	-2996.24	-0.43507	0.80618
10	0.39639	11346.922	15692.8000	-2788.63	-0.40493	2.09621
11	0.43694	11390.109	15795.2000	-2495.08	-0.36234	1.35025
12	0.45972	11373.926	15760.0000	-2341.94	-0.34014	1.76042
13	0.50056	11301.973	15596.9093	-2085.50	-0.30296	2.34378
14	0.55778	11346.302	15686.4000	-1759.30	-0.25571	2.11793
15	0.61500	11357.562	15718.4000	-1464.99	-0.21309	1.99651
16	0.64833	11298.570	15589.4236	-1305.93	-0.19007	2.35827
17	0.68667	11274.930	15537.5105	-1132.82	-0.16501	2.44730
18	0.71583	11188.414	15348.7695	-1007.46	-0.14688	2.67102
19	0.79306	11274.029	15535.5353	-698.73	-0.10222	2.45035
20	0.82139	11143.284	15251.0856	-592.94	-0.08692	2.75321
21	0.87528	11039.109	15027.5946	-401.45	-0.05923	2.89763
22	2.22611	11022.865	14992.9940	2411.62	0.34700	2.91625
23	40.6261	11270.016	15526.7378	169.82	1.60878	2.46369
24	40.6297	11263.029	15511.4333	-12022.42	1.60881	2.48596
25	40.6458	11252.000	15487.2966	-8341.82	1.60899	2.51891
26	40.6744	11247.135	15476.6620	-6398.61	1.60929	2.53268
27	40.6958	11213.635	15403.5908	-5604.35	1.60952	2.61701
28	40.7200	11188.042	15347.9631	-4959.28	1.60978	2.67176
29	40.7317	11198.161	15369.9372	-4705.40	1.60990	2.65095
30	40.7467	11208.170	15391.6982	-4417.40	1.61006	2.62931
31	40.7761	11173.670	15316.7972	-3943.76	1.61038	2.69967
32	40.8136	11138.358	15240.4545	-3460.15	1.61078	2.76129

DRAWDOWN TEST 1&2 OF 4/26 - 4/28/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: MASD2A
 WASP FILE: BF-D2

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SHORT TERM WELL TEST
 PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
33	40.8428	11128.950	15220.1680	-3146.82	1.61109	2.77629
34	40.8678	11114.787	15189.6731	-2525.69	1.61135	2.79791
35	40.8844	11135.936	15235.2297	-2434.42	1.61153	2.76520
36	40.9719	11132.393	15227.5894	-1920.30	1.61246	2.77086
37	41.0553	11123.795	15209.0632	-1504.49	1.61334	2.78429
38	41.1428	11120.152	15201.2185	-1138.53	1.61426	2.78985
39	41.1719	11174.280	15318.1200	-1029.26	1.61457	2.69852
40	41.1928	11181.467	15333.6974	-954.54	1.61479	2.68476
41	41.2094	11187.832	15347.5069	-896.61	1.61497	2.67218
42	41.2261	11125.917	15213.6337	-840.24	1.61514	2.78101
43	41.2469	11022.154	14991.4819	-771.84	1.61536	2.91704
44	41.2594	11129.660	15221.6995	-731.85	1.61549	2.77517
45	41.2803	11088.593	15133.4093	-666.86	1.61571	2.83518
46	41.4533	11265.962	15517.8561	3426.67	1.61753	2.47675
47	41.4611	11141.501	15247.2362	-6161.56	1.61761	2.75615
48	41.4761	11102.246	15162.7125	-4184.43	1.61777	2.81617
49	41.5400	11118.130	15196.8666	-2001.80	1.61844	2.79291
50	41.5678	11108.011	15175.1012	-1605.98	1.61873	2.80787
51	41.6094	11066.544	15086.1822	-1189.03	1.61916	2.86417
52	41.6553	11105.589	15169.8952	-861.11	1.61964	2.81138
53	41.7553	11095.470	15148.1624	-372.20	1.62068	2.82571
54	41.7969	11083.539	15122.5723	-218.69	1.62112	2.84200
55	41.8428	11060.078	15072.3570	-70.57	1.62159	2.87230
56	41.8761	11016.899	14980.3047	-3943.90	1.62194	2.92288
57	41.9094	10979.185	14900.2897	-3044.75	1.62228	2.96252
58	41.9594	10996.871	14937.7679	-2267.57	1.62280	2.94440
59	41.9886	10973.620	14888.5132	-1939.95	1.62310	2.96806
60	42.0719	10963.011	14866.0833	-1237.28	1.62396	2.97842
61	42.1136	10951.681	14842.1611	-962.43	1.62439	2.98920
62	42.1469	10940.771	14819.1570	-766.15	1.62474	2.99932
63	42.1928	10917.920	14771.0718	-522.68	1.62521	3.01975
64	42.2386	10882.148	14696.0575	-303.47	1.62568	3.04982

DRAWDOWN TEST 1&2 OF 4/26 - 4/28/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASD2A
WASP FILE: BF-D2

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
65	42.2594	10871.739	14674.2891	-210.46	1.62590	3.05816
66	42.2886	10861.430	14652.7565	-86.27	1.62619	3.06627
67	42.3219	10873.150	14677.2388	47.99	1.62654	3.05704
68	42.3428	10878.405	14688.2262	128.18	1.62675	3.05284
69	42.3761	10588.553	14092.3214	-635.13	1.62709	3.23686
70	42.4094	10684.870	14288.0607	-337.52	1.62743	3.18456
71	42.4386	10862.541	14655.0758	-144.97	1.62773	3.06540
72	42.4844	10872.550	14675.9835	103.41	1.62820	3.05752
73	42.6469	10862.140	14654.2400	762.83	1.62986	3.06571
74	42.6969	10843.143	14614.6274	929.11	1.63037	3.08026
75	42.7344	10866.084	14662.4743	1046.46	1.63075	3.06263
76	42.8636	10881.337	14694.3611	1412.79	1.63206	3.05047
77	43.0261	10857.286	14644.1092	1811.38	1.63370	3.06948
78	43.0928	10840.421	14608.9579	1959.63	1.63438	3.08230
79	43.1761	10820.813	14568.1793	2134.74	1.63522	3.09671
80	43.2594	10801.215	14527.5167	2299.88	1.63605	3.11062
81	43.3428	10781.718	14487.1558	2456.25	1.63689	3.12400
82	43.4761	10742.022	14405.2728	1031.46	1.63822	3.14994
83	43.6594	10726.068	14372.4716	2038.95	1.64005	3.15991
84	43.7761	10733.344	14387.4240	2471.35	1.64121	3.15539
85	44.0261	10719.201	14358.3743	3189.68	1.64368	3.16412
86	44.2792	10714.147	14348.0040	3762.26	1.64617	3.16720
87	44.3428	10709.102	14337.6604	3890.48	1.64680	3.17024
88	44.6094	10695.970	14310.7633	4047.71	1.64940	3.17807
89	44.8428	10690.525	14299.6232	4580.53	1.65167	3.18127
90	45.0928	10594.008	14103.3472	5044.32	1.65408	3.23407
91	45.3428	10386.880	13689.6814	5445.78	1.65648	3.32796
92	45.5928	10355.311	13627.5266	3550.18	1.65887	3.34046
93	45.8261	10292.404	13504.3663	4927.16	1.66109	3.36422
94	46.0094	10169.141	13265.7080	5673.37	1.66282	3.40686
95	46.1594	10114.441	13160.9193	6176.84	1.66423	3.42434
96	46.5206	10533.153	13980.7487	7160.77	1.66762	3.26407

*SUPERPOSED RATE-TIME SCHEDULE:

$SUM((Q(K)-Q(K-1))*LOG(T(J)-T(K-1)))$

LOG(DT) IS LOG BASE 10 OF CONSTANT RATE TRANSIENT TIMES

BUILDUP TEST 2 OF 4/28/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASB2
WASP FILE: BF-B2

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW QSF RESBPD
22	2. 226111	4274. 975	11037. 890	M	6939. 00
23	40. 62611	5370. 975	11285. 041	M	0. 00
45	41. 28028	5190. 975	11103. 618	M	4831. 49
46	41. 45333	5378. 975	11280. 987	M	0. 00
55	41. 84278	5140. 975	11075. 103	M	4512. 00
68	42. 34278	4950. 975	10893. 430	M	7200. 00
81	43. 34278	4903. 975	10796. 743	M	7800. 00
87	44. 34278	4823. 975	10724. 127	M	9696. 00
91	45. 34278	4451. 975	10401. 905	M	10272. 00
96	46. 52056	4653. 975	10548. 178	M	14016. 00
97	46. 52889	4755. 975	10605. 400	M	0. 00
98	46. 53167	5005. 975	10752. 102	M	0. 00
99	46. 53306	5062. 975	10828. 872	M	0. 00
100	46. 53444	5105. 975	10892. 429	M	0. 00
101	46. 53583	5126. 975	10924. 658	M	0. 00
102	46. 53778	5146. 975	10946. 087	M	0. 00
103	46. 54194	5180. 975	10977. 726	M	0. 00
104	46. 54417	5263. 975	11013. 117	M	0. 00
105	46. 54972	5323. 975	11112. 617	M	0. 00
106	46. 55389	5343. 975	11133. 765	M	0. 00
107	46. 55944	5360. 975	11151. 461	M	0. 00
108	46. 56778	5377. 975	11168. 567	M	0. 00
109	46. 58028	5392. 975	11184. 451	M	0. 00
110	46. 60111	5408. 975	11200. 025	M	0. 00
111	46. 63583	5422. 975	11214. 197	M	0. 00
112	46. 67222	5429. 975	11222. 895	M	0. 00
113	46. 70944	5434. 975	11229. 071	M	0. 00
114	46. 74278	5435. 975	11233. 214	M	0. 00
115	46. 78028	5436. 975	11237. 268	M	0. 00
116	46. 81361	5437. 975	11240. 100	M	0. 00
117	46. 85111	5438. 975	11242. 933	M	0. 00
118	46. 94278	5439. 975	11248. 298	M	0. 00
119	47. 02611	5443. 975	11251. 941	M	0. 00
120	47. 10944	5443. 975	11255. 074	M	0. 00
121	47. 20944	5442. 975	11257. 916	M	0. 00

BUILDUP TEST 2 OF 4/28/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: MASB2
 WASP FILE: BF-B2

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SHORT TERM WELL TEST
 MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
122	47. 29278	5444. 975	11260. 539	M	0. 00
123	47. 34278	5445. 975	11261. 760	M	0. 00
124	47. 54278	5442. 975	11265. 203	M	0. 00
125	47. 90944	5441. 975	11269. 447	M	0. 00
126	48. 09278	5446. 975	11270. 968	M	0. 00
127	48. 34278	5450. 975	11272. 690	M	0. 00
128	48. 60944	5448. 975	11274. 211	M	0. 00
129	48. 85944	5444. 975	11275. 322	M	0. 00
130	49. 10944	5453. 975	11277. 344	M	0. 00
131	49. 35944	5456. 975	11277. 954	M	0. 00
132	49. 60944	5457. 975	11278. 555	M	0. 00
133	49. 85944	5456. 975	11279. 065	M	0. 00
134	50. 10944	5456. 975	11279. 265	M	0. 00
135	50. 35944	5455. 975	11279. 876	M	0. 00
136	50. 60944	5454. 975	11280. 176	M	0. 00
137	50. 78389	5453. 975	11280. 376	M	0. 00
138	51. 04278	5451. 975	11280. 787	M	0. 00
139	51. 29278	5451. 975	11281. 187	M	0. 00
140	51. 54278	5451. 975	11281. 187	M	0. 00
141	51. 79278	5449. 975	11281. 497	M	0. 00
142	52. 04278	5447. 975	11281. 598	M	0. 00
143	52. 29278	5448. 975	11281. 898	M	0. 00
144	52. 79278	5447. 975	11281. 998	M	0. 00
145	53. 04278	5445. 975	11282. 308	M	0. 00
146	53. 29278	5444. 975	11282. 508	M	0. 00
147	53. 54278	5442. 975	11282. 608	M	0. 00
148	53. 77306	5442. 975	11282. 809	M	0. 00

* M - MEASURED
 C - CALCULATED

BUILDUP TEST 2 OF 4/28/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASH2
WASP FILE: BF-B2

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE (MPW) PSI/CP*80	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*80 PER CYCLE
22	2.22611	11022.865	14992.9940	2411.62	0.00000	0.00000
23	40.6261	11270.016	15526.7378	169.82	1.58433	2.72733
45	41.2803	11088.593	15133.4093	-723.44	1.59167	2.14741
46	41.4533	11265.962	15517.8561	3449.03	1.59359	2.72005
55	41.8428	11060.078	15072.3570	-64.37	1.59788	1.89962
68	42.3428	10878.405	14688.2262	130.68	1.60332	2.48397
81	43.3428	10781.718	14487.1558	2457.09	1.61402	2.70401
87	44.3428	10709.102	14337.6604	3890.90	1.62445	2.81646
91	45.3428	10386.880	13689.6814	5446.03	1.63465	3.11505
96	46.5206	10533.153	13980.7487	7160.93	1.64635	3.00529
97	46.5289	10590.375	14096.0026	36322.67	1.64643	2.95279
98	46.5317	10737.077	14395.1006	34578.17	1.64646	2.77662
99	46.5331	10813.847	14553.7143	33864.54	1.64647	2.64274
100	46.5344	10877.404	14686.1328	33226.52	1.64649	2.48694
101	46.5358	10909.633	14753.6645	32649.67	1.64650	2.37900
102	46.5378	10931.062	14798.7106	31925.07	1.64652	2.28844
103	46.5419	10962.701	14865.4278	30616.09	1.64656	2.10574
104	46.5442	10998.092	14940.3584	30019.68	1.64658	1.72128
105	46.5497	11097.592	15152.7174	28746.59	1.64664	2.20337
106	46.5539	11118.740	15198.1806	27943.62	1.64668	2.31215
107	46.5594	11136.436	15236.3090	27018.38	1.64673	2.38617
108	46.5678	11153.542	15273.2416	25856.08	1.64681	2.44754
109	46.5803	11169.426	15307.6052	24455.75	1.64693	2.49777
110	46.6011	11185.000	15341.3608	22682.36	1.64714	2.54204
111	46.6358	11199.172	15372.1339	20579.75	1.64748	2.57880
112	46.6722	11207.870	15391.0450	18991.02	1.64783	2.59994
113	46.7094	11214.046	15404.4841	17736.53	1.64820	2.61436
114	46.7428	11218.189	15413.5071	16818.91	1.64852	2.62378
115	46.7803	11222.243	15422.3383	15948.92	1.64889	2.63281
116	46.8136	11225.075	15428.5118	15283.11	1.64921	2.63901
117	46.8511	11227.908	15434.6873	14626.70	1.64958	2.64512
118	46.9428	11233.273	15446.3895	13318.55	1.65047	2.65648

BUILDUP TEST 2 OF 4/28/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASB2
WASP FILE: BF-82

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
119	47.0261	11236.916	15454.3407	12381.10	1.65128	2.66403
120	47.1094	11240.049	15461.1807	11605.95	1.65209	2.67042
121	47.2094	11242.891	15467.3891	10829.04	1.65305	2.67614
122	47.2928	11245.514	15473.1185	10277.11	1.65386	2.68135
123	47.3428	11246.735	15475.7870	9979.08	1.65434	2.68376
124	47.5428	11250.178	15483.3134	8975.27	1.65626	2.69048
125	47.9094	11254.422	15492.5943	7649.11	1.65976	2.69862
126	48.0928	11255.943	15495.9226	7143.96	1.66150	2.70151
127	48.3428	11257.665	15499.6895	6567.60	1.66386	2.70475
128	48.6094	11259.186	15503.0191	6059.06	1.66636	2.70759
129	48.8594	11260.297	15505.4509	5656.71	1.66870	2.70966
130	49.1094	11262.319	15509.8773	5309.86	1.67102	2.71339
131	49.3594	11262.929	15511.2141	5007.12	1.67333	2.71451
132	49.6094	11263.530	15512.5292	4740.12	1.67563	2.71561
133	49.8594	11264.040	15513.6471	4502.58	1.67791	2.71655
134	50.1094	11264.240	15514.0855	4289.63	1.68018	2.71691
135	50.3594	11264.851	15515.4226	4097.48	1.68245	2.71803
136	50.6094	11265.151	15516.0803	3923.09	1.68470	2.71857
137	50.7839	11265.351	15516.5188	3810.59	1.68626	2.71894
138	51.0428	11265.762	15517.4176	3655.88	1.68857	2.71968
139	51.2928	11266.162	15518.2946	3518.76	1.69079	2.72041
140	51.5428	11266.162	15518.2946	3392.24	1.69299	2.72041
141	51.7928	11266.472	15518.9743	3275.08	1.69519	2.72097
142	52.0428	11266.573	15519.1936	3166.26	1.69737	2.72115
143	52.2928	11266.873	15519.8514	3064.88	1.69955	2.72169
144	52.7928	11266.973	15520.0707	2881.50	1.70386	2.72187
145	53.0428	11267.283	15520.7504	2798.28	1.70601	2.72243
146	53.2928	11267.483	15521.1890	2720.00	1.70814	2.72279
147	53.5428	11267.583	15521.4083	2646.23	1.71026	2.72297
148	53.7731	11267.784	15521.8469	2581.93	1.71220	2.72333

*SUPERPOSED RATE-TIME SCHEDULE:

SUM((Q(K)-Q(K-1))*LOG(T(J)-T(K-1)))

LOG(DT) IS LOG BASE 10 OF CONSTANT RATE TRANSIENT TIMES

DRAWDOWN TEST NO. 3 OF 5/12-13/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: MASD3A
 WASP FILE: BF-D3

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SHORT TERM WELL TEST
 MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
22	2. 226111	4274. 975	11037. 890	M	6939. 00
23	40. 62611	5370. 975	11285. 041	M	0. 00
45	41. 28028	5190. 975	11103. 618	M	4831. 49
46	41. 45333	5378. 975	11280. 987	M	0. 00
55	41. 84278	5140. 975	11075. 103	M	4512. 00
68	42. 34278	4950. 975	10893. 430	M	7200. 00
81	43. 34278	4903. 975	10796. 743	M	7800. 00
87	44. 34278	4823. 975	10724. 127	M	9696. 00
91	45. 34278	4451. 975	10401. 905	M	10272. 00
96	46. 52056	4653. 975	10548. 178	M	14016. 00
97	196. 2428	5584. 975	11358. 176	M	0. 00
98	197. 6428	5234. 975	11208. 042	M	3646. 00
99	198. 2594	5334. 975	11258. 087	M	0. 00
100	198. 6094	5284. 975	11208. 042	M	3646. 00
101	378. 2733	5340. 975	11416. 257	M	0. 00
102	378. 2761	5253. 975	11402. 275	M	6170. 00
103	378. 2803	5253. 975	11371. 698	M	6170. 00
105	378. 2872	5168. 975	11317. 429	M	6170. 00
106	378. 2900	5150. 975	11297. 382	M	6170. 00
107	378. 2928	5131. 975	11278. 965	M	6170. 00
109	378. 2997	5099. 975	11253. 252	M	6170. 00
110	378. 3025	5091. 975	11241. 722	M	6170. 00
112	378. 3136	5060. 975	11216. 019	M	6170. 00
113	378. 3178	5045. 975	11202. 557	M	6170. 00
114	378. 3247	5034. 975	11192. 038	M	6170. 00
116	378. 3761	5015. 975	11159. 048	M	6170. 00
117	378. 4094	4991. 975	11135. 377	M	6170. 00
119	378. 5344	4968. 975	11100. 185	M	6170. 00
120	378. 5928	4964. 975	11093. 399	M	6170. 00
121	378. 6636	4965. 975	11085. 512	M	6170. 00
123	378. 8053	4965. 975	11072. 571	M	6170. 00
124	378. 8428	4964. 975	11068. 627	M	6170. 00
125	378. 9844	4966. 975	11063. 262	M	6554. 00
127	379. 3428	4980. 975	11051. 432	M	6554. 00
128	379. 5261	4995. 975	11047. 899	M	6529. 00

DRAWDOWN TEST NO. 3 OF 5/12-13/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASD3A
WASP FILE: BF-D3

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
130	379.8761	4997.975	11042.734	M	6529.00
131	380.0594	5003.975	11039.811	M	6529.00
132	380.3428	5002.975	11035.968	M	6529.00
134	380.9761	4995.975	11029.892	M	6353.00
135	381.3428	5004.975	11024.938	M	6353.00
137	381.8594	5006.975	11024.337	M	6353.00
138	382.1094	5005.975	11024.137	M	6353.00
139	382.3428	5006.975	11022.416	M	6353.00
141	382.8594	4989.975	11019.033	M	6434.00
142	383.1094	5008.975	11018.642	M	6434.00
144	383.6094	5001.975	11016.601	M	6434.00
145	383.8594	5016.975	11016.000	M	6434.00
146	384.1094	5005.975	11013.848	M	6434.00
148	384.6094	4999.975	11011.956	M	6465.47
149	384.8594	4995.975	11010.965	M	6493.00
150	385.1094	4997.975	11010.525	M	6493.00
152	385.6094	5002.975	11008.223	M	6493.00
153	385.8594	4998.975	11007.893	M	6493.00
155	386.3428	5005.975	11006.331	M	6493.00
156	386.6094	4976.975	11005.310	M	6363.00
157	386.8594	4974.975	11004.470	M	6363.00
159	387.3594	4971.975	11003.919	M	6363.00
160	387.6094	4964.975	11002.978	M	6363.00
162	388.2428	4976.975	11001.867	M	6363.00
163	388.3428	4978.975	11001.567	M	6363.00
164	388.6094	4973.975	11000.776	M	6550.00
166	389.1094	4968.975	10999.395	M	6550.00
167	389.3594	4969.975	10999.015	M	6550.00
169	389.8594	4968.975	10997.814	M	6550.00
170	390.1094	4963.975	10997.113	M	6550.00
171	390.3428	4966.975	10996.492	M	6550.00
173	390.8594	4967.975	10995.802	M	6481.00
174	391.1094	4965.975	10995.161	M	6481.00
175	391.3594	4960.975	10994.731	M	6481.00
177	391.8594	4961.975	10993.780	M	6481.00

DRAWDOWN TEST NO.3 OF 5/12-13/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO.1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: MASD3A
 WASP FILE: BF-D3

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SHORT TERM WELL TEST
 MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW QSF RESBPD
178	392.1094	4963.975	10993.570	M	6481.00
180	392.6094	4966.975	10992.509	M	6423.93
181	392.8594	4964.975	10991.918	M	6374.00
182	393.1261	4967.975	10991.338	M	6374.00
184	393.6261	4963.975	10990.537	M	6374.00
185	393.8761	4966.975	10990.057	M	6374.00
187	394.3428	4962.975	10989.136	M	6374.00
188	394.6094	4961.975	10988.545	M	6329.00
189	394.8594	4964.975	10988.205	M	6329.00
191	395.3594	4960.975	10987.444	M	6329.00
192	395.6094	4959.975	10986.594	M	6329.00
194	396.1094	4967.975	10985.733	M	6329.00
195	398.8428	4989.975	10981.419	M	6744.00
196	399.0928	4985.975	10981.109	M	6744.00
198	399.5928	4983.975	10980.458	M	6744.00
199	399.8428	4979.975	10980.048	M	6744.00
200	400.0928	4986.975	10980.088	M	6744.00
202	400.8594	4990.975	10978.947	M	6462.30
203	401.3594	4982.975	10978.116	M	6326.00
205	402.3428	4981.975	10976.775	M	6326.00
206	402.8594	4984.975	10976.505	M	6254.00
207	403.3594	4989.975	10976.835	M	6254.00
209	404.3428	4985.975	10974.993	M	6254.00
210	404.8594	4988.975	10975.313	M	6360.00
212	405.8594	4984.975	10973.842	M	6360.00
213	406.3428	4981.975	10972.971	M	6360.00
214	406.8594	4974.975	10972.301	M	6445.00
216	407.8594	4976.975	10971.070	M	6445.00
217	408.3594	4974.975	10970.539	M	6445.00
219	409.1158	4972.975	10968.888	M	6445.00

* M - MEASURED
 C - CALCULATED

DRAWDOWN TEST NO. 3 OF 5/12-13/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: MASD3A
 WASP FILE: BF-D3

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SHORT TERM WELL TEST
 PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE (MPW) PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
22	2. 22611	11022. 865	14992. 9940	2411. 62	0. 00000	0. 00000
23	40. 6261	11270. 016	15526. 7378	169. 82	0. 00000	0. 00000
45	41. 2803	11088. 593	15133. 4093	-723. 44	0. 00000	0. 00000
46	41. 4533	11265. 962	15517. 8561	3449. 03	0. 00000	0. 00000
55	41. 8428	11060. 078	15072. 3570	-64. 37	0. 00000	0. 00000
68	42. 3428	10878. 405	14688. 2262	130. 68	0. 00000	0. 00000
81	43. 3428	10781. 718	14487. 1558	2457. 09	0. 00000	0. 00000
87	44. 3428	10709. 102	14337. 6604	3890. 90	0. 00000	0. 00000
91	45. 3428	10386. 880	13689. 6814	5446. 03	0. 00000	0. 00000
96	46. 5206	10533. 153	13980. 7487	7160. 93	0. 00000	0. 00000
97	196. 243	11343. 151	15686. 4000	185. 17	0. 00000	0. 00000
98	197. 643	11193. 017	15358. 7621	716. 33	0. 00000	0. 00000
99	198. 259	11243. 062	15467. 7608	2059. 02	0. 00000	0. 00000
100	198. 609	11193. 017	15358. 7621	-62. 09	0. 00000	0. 00000
101	378. 273	11401. 232	15817. 6000	101. 72	0. 00000	0. 00000
102	378. 276	11387. 250	15785. 6000	-15670. 63	-2. 55630	1. 50515
103	378. 280	11356. 673	15718. 4000	-13215. 35	-2. 15836	1. 99651
105	378. 287	11302. 404	15597. 8579	-11358. 00	-1. 85733	2. 34191
106	378. 290	11282. 357	15553. 8040	-10869. 45	-1. 77815	2. 42127
107	378. 293	11263. 940	15513. 4279	-10456. 39	-1. 71120	2. 48312
109	378. 300	11238. 227	15457. 2031	-9638. 10	-1. 57858	2. 55678
110	378. 302	11226. 697	15432. 0466	-9369. 92	-1. 53511	2. 58608
112	378. 314	11200. 994	15376. 0929	-8505. 02	-1. 39493	2. 64494
113	378. 318	11187. 532	15346. 8553	-8241. 24	-1. 35218	2. 67279
114	378. 325	11177. 013	15324. 0413	-7852. 22	-1. 28913	2. 69334
116	378. 376	11144. 023	15252. 6806	-5994. 88	-0. 98810	2. 75199
117	378. 409	11120. 352	15201. 6494	-5242. 19	-0. 86611	2. 78955
119	378. 534	11085. 160	15126. 0480	-3496. 55	-0. 58317	2. 83982
120	378. 593	11078. 374	15111. 5060	-2956. 26	-0. 49560	2. 84886
121	378. 664	11070. 487	15094. 6195	-2419. 63	-0. 40863	2. 85913
123	378. 805	11057. 546	15066. 9454	-1589. 86	-0. 27413	2. 87544
124	378. 843	11053. 602	15058. 5211	-1407. 33	-0. 24455	2. 88029

DRAWDOWN TEST NO. 3 OF 5/12-13/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASD3A
WASP FILE: BF-D3

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*80	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*80 PER CYCLE
125	378.984	11048.237	15047.0669	-1137.97	-0.14806	2.88679
127	379.343	11036.407	15021.8339	165.67	0.02916	2.90079
128	379.526	11032.874	15014.3050	660.10	0.09787	2.90488
130	379.876	11027.709	15003.3054	1377.54	0.20487	2.91078
131	380.059	11024.786	14997.0838	1691.72	0.25191	2.91409
132	380.343	11020.943	14988.9052	2117.46	0.31585	2.91839
134	380.976	11014.867	14975.9848	2921.03	0.43181	2.92511
135	381.343	11009.913	14965.4553	3251.13	0.48706	2.93051
137	381.859	11009.312	14964.1794	3664.83	0.55462	2.93116
138	382.109	11009.112	14963.7541	3845.92	0.58389	2.93138
139	382.343	11007.391	14960.0972	4005.21	0.60954	2.93324
141	382.859	11004.008	14952.9131	4305.76	0.66144	2.93686
142	383.109	11003.617	14952.0843	4463.88	0.68450	2.93727
144	383.609	11001.576	14947.7499	4749.44	0.72722	2.93944
145	383.859	11000.975	14946.4753	4880.65	0.74711	2.94008
146	384.109	10998.823	14941.9087	5005.53	0.76612	2.94235
148	384.609	10996.931	14937.8953	5229.44	0.80182	2.94434
149	384.859	10995.940	14935.7934	5327.92	0.81863	2.94537
150	385.109	10995.500	14934.8593	5445.42	0.83481	2.94583
152	385.609	10993.198	14929.9773	5658.36	0.86547	2.94823
153	385.859	10992.868	14929.2769	5757.52	0.88002	2.94857
155	386.343	10991.306	14925.9666	5938.56	0.90684	2.95019
156	386.609	10990.285	14923.8024	6107.83	0.92096	2.95124
157	386.859	10989.445	14922.0204	6156.23	0.93380	2.95210
159	387.359	10988.894	14920.8537	6281.64	0.95838	2.95267
160	387.609	10987.953	14918.8598	6347.46	0.97017	2.95363
162	388.243	10986.842	14916.5057	6513.25	0.99867	2.95477
163	388.343	10986.542	14915.8695	6538.99	1.00301	2.95508
164	388.609	10985.751	14914.1943	6499.52	1.01436	2.95588
166	389.109	10984.370	14911.2683	6709.27	1.03487	2.95729
167	389.359	10983.990	14910.4627	6792.53	1.04478	2.95767
169	389.859	10982.789	14907.9189	6942.36	1.06394	2.95889

DRAWDOWN TEST NO. 3 OF 5/12-13/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: MASD3A
 WASP FILE: BF-D3

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SHORT TERM WELL TEST
 PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*80	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*80 PER CYCLE
170	390.109	10982.088	14906.4352	7011.79	1.07321	2.95960
171	390.343	10981.467	14905.1212	7074.15	1.08169	2.96022
173	390.859	10980.777	14903.6589	7225.21	1.09989	2.96092
174	391.109	10980.136	14902.3026	7274.05	1.10843	2.96156
175	391.359	10979.706	14901.3915	7324.64	1.11681	2.96199
177	391.859	10978.755	14899.3787	7426.43	1.13310	2.96295
178	392.109	10978.545	14898.9337	7476.78	1.14101	2.96316
180	392.609	10977.484	14896.6882	7592.82	1.15643	2.96422
181	392.859	10976.893	14895.4384	7661.23	1.16394	2.96481
182	393.126	10976.313	14894.2099	7688.78	1.17181	2.96539
184	393.626	10975.512	14892.5155	7757.30	1.18619	2.96618
185	393.876	10975.032	14891.4990	7794.24	1.19320	2.96666
187	394.343	10974.111	14889.5508	7864.71	1.20600	2.96757
188	394.609	10973.520	14888.3015	7931.07	1.21315	2.96816
189	394.859	10973.180	14887.5816	7956.08	1.21974	2.96849
191	395.359	10972.419	14885.9726	8018.19	1.23264	2.96924
192	395.609	10971.569	14884.1732	8051.18	1.23895	2.97008
194	396.109	10970.708	14882.3528	8118.31	1.25130	2.97093
195	398.843	10966.394	14873.2324	8658.40	1.31322	2.97514
196	399.093	10966.084	14872.5766	8705.46	1.31847	2.97544
198	399.593	10965.433	14871.2016	8795.08	1.32878	2.97607
199	399.843	10965.023	14870.3344	8837.98	1.33384	2.97647
200	400.093	10965.063	14870.4190	8879.79	1.33884	2.97643
202	400.859	10963.922	14868.0078	9034.61	1.35384	2.97754
203	401.359	10963.091	14866.2525	9089.92	1.36335	2.97834
205	402.343	10961.750	14863.4190	9096.46	1.38147	2.97963
206	402.859	10961.480	14862.8481	9144.80	1.39069	2.97989
207	403.359	10961.810	14863.5459	9156.46	1.39943	2.97957
209	404.343	10959.968	14859.6558	9208.77	1.41613	2.98134
210	404.859	10960.288	14860.3323	9212.29	1.42465	2.98103
212	405.859	10958.817	14857.2249	9333.08	1.44069	2.98244
213	406.343	10957.946	14855.3862	9381.70	1.44823	2.98327

DRAWDOWN TEST NO.3 OF 5/12-13/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO.1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: MASD3A
 WASP FILE: BF-D3

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SHORT TERM WELL TEST
 PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*80	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*80 PER CYCLE
214	406.859	10957.276	14853.9702	9406.79	1.45616	2.98391
216	407.859	10956.045	14851.3711	9537.97	1.47109	2.98508
217	408.359	10955.514	14850.2513	9592.70	1.47837	2.98558
219	409.116	10953.863	14846.7655	9669.83	1.48915	2.98715

*SUPERPOSED RATE-TIME SCHEDULE:

$SUM((Q(K)-Q(K-1))*LOG(T(J)-T(K-1)))$

LOG(DT) IS LOG BASE 10 OF CONSTANT RATE TRANSIENT TIMES

BUILDUP TEST NO. 3 OF 5/13-17/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASB3A
WASP FILE: BF-B3

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW QSF RESBPD
22	2. 226111	4274. 975	11037. 890	M	6939. 00
23	40. 62611	5370. 975	11285. 041	M	0. 00
45	41. 28028	5190. 975	11103. 618	M	4831. 49
46	41. 45333	5378. 975	11280. 987	M	0. 00
55	41. 84278	5140. 975	11075. 103	M	4512. 00
68	42. 34278	4950. 975	10893. 430	M	7200. 00
81	43. 34278	4903. 975	10796. 743	M	7800. 00
87	44. 34278	4823. 975	10724. 127	M	9696. 00
91	45. 34278	4451. 975	10401. 905	M	10272. 00
96	46. 52056	4653. 975	10548. 178	M	14016. 00
97	196. 2428	5584. 975	11358. 176	M	0. 00
98	197. 6428	5234. 975	11208. 042	M	3646. 00
99	198. 2594	5334. 975	11258. 087	M	0. 00
100	198. 6094	5284. 975	11208. 042	M	3646. 00
101	378. 2733	5340. 975	11416. 257	M	0. 00
219	409. 1158	4972. 975	10968. 888	M	6448. 85
220	409. 1983	---	11322. 704	M	0. 00
222	409. 2306	---	11336. 276	M	0. 00
224	409. 2806	---	11346. 605	M	0. 00
225	409. 3153	---	11351. 029	M	0. 00
227	409. 3833	---	11356. 855	M	0. 00
229	409. 4944	---	11362. 900	M	0. 00
230	409. 5736	---	11365. 923	M	0. 00
232	409. 7428	---	11370. 717	M	0. 00
234	409. 9136	---	11374. 140	M	0. 00
235	410. 0011	---	11375. 491	M	0. 00
237	410. 1761	---	11377. 783	M	0. 00
239	410. 3428	---	11379. 535	M	0. 00
240	410. 5261	---	11381. 086	M	0. 00
242	410. 8678	---	11383. 348	M	0. 00
244	411. 2178	---	11385. 100	M	0. 00
245	411. 3844	---	11385. 790	M	0. 00
247	411. 7261	---	11387. 061	M	0. 00
249	412. 0928	---	11387. 962	M	0. 00
250	412. 2761	---	11388. 393	M	0. 00

BUILDUP TEST NO. 3 OF 5/13-17/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASB3A
WASP FILE: BF-B3

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
-----	-----	-----	-----	-----	-----
252	412. 5428	---	11388. 993	M	0. 00
254	412. 9094	---	11389. 654	M	0. 00
255	413. 0928	---	11389. 944	M	0. 00
257	413. 4594	---	11390. 565	M	0. 00
259	413. 8094	---	11391. 045	M	0. 00
260	413. 9761	---	11391. 305	M	0. 00
262	414. 3428	---	11391. 666	M	0. 00
264	414. 8594	---	11392. 166	M	0. 00
265	415. 1094	---	11392. 376	M	0. 00
267	415. 6094	---	11392. 777	M	0. 00
269	416. 1094	---	11393. 207	M	0. 00
270	416. 3594	---	11393. 327	M	0. 00
272	416. 8594	---	11393. 677	M	0. 00
274	417. 3594	---	11393. 958	M	0. 00
275	417. 6094	---	11394. 038	M	0. 00
277	418. 1094	---	11394. 278	M	0. 00
279	418. 6094	---	11394. 538	M	0. 00
280	418. 8594	---	11394. 638	M	0. 00
282	419. 3594	---	11394. 848	M	0. 00
284	419. 8594	---	11395. 039	M	0. 00
285	420. 1094	---	11395. 109	M	0. 00
287	420. 6094	---	11395. 269	M	0. 00
289	421. 1094	---	11395. 439	M	0. 00
290	421. 3594	---	11395. 549	M	0. 00
292	421. 8594	---	11395. 719	M	0. 00
294	422. 3594	---	11395. 939	M	0. 00
295	422. 6094	---	11396. 029	M	0. 00
297	423. 0761	---	11396. 280	M	0. 00
299	423. 5761	---	11396. 520	M	0. 00
300	423. 8261	---	11396. 650	M	0. 00
302	424. 3261	---	11396. 750	M	0. 00
304	424. 8261	---	11396. 800	M	0. 00
305	425. 0761	---	11396. 820	M	0. 00
307	425. 8261	---	11396. 810	M	0. 00
309	426. 5761	---	11396. 860	M	0. 00

BUILDUP TEST NO. 3 OF 5/13-17/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: MASB3A
 WASP FILE: BF-B3

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SHORT TERM WELL TEST
 MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW QSF RESBPD
310	426. 8261	--	11396. 880	M	0. 00
312	427. 8261	--	11396. 930	M	0. 00
314	428. 3261	--	11396. 980	M	0. 00
315	428. 5761	--	11396. 990	M	0. 00
317	429. 3261	--	11397. 050	M	0. 00
319	429. 8261	--	11397. 100	M	0. 00
320	430. 3261	--	11397. 130	M	0. 00
322	430. 8428	--	11397. 321	M	0. 00
324	431. 3428	--	11397. 361	M	0. 00
325	431. 5928	--	11397. 381	M	0. 00
327	432. 5928	--	11397. 431	M	0. 00
329	433. 0928	--	11397. 451	M	0. 00
330	433. 3428	--	11397. 491	M	0. 00
332	433. 8428	--	11397. 541	M	0. 00
334	435. 0928	--	11397. 571	M	0. 00
335	435. 3428	--	11397. 591	M	0. 00
337	435. 8428	--	11397. 621	M	0. 00
339	436. 8428	--	11397. 671	M	0. 00
340	437. 3428	--	11397. 681	M	0. 00
342	438. 0928	--	11397. 701	M	0. 00
344	438. 8428	--	11397. 721	M	0. 00
345	439. 5928	--	11397. 731	M	0. 00
347	440. 5928	--	11397. 751	M	0. 00
349	441. 5928	--	11397. 781	M	0. 00
350	442. 3428	--	11397. 791	M	0. 00
352	443. 5928	--	11397. 771	M	0. 00
354	444. 3428	--	11397. 791	M	0. 00
355	444. 5928	--	11397. 781	M	0. 00
357	445. 0928	--	11397. 801	M	0. 00
359	505. 1969	--	11396. 530	M	0. 00

* M - MEASURED
 C - CALCULATED

BUILDUP TEST NO. 3 OF 5/13-17/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASB3A
WASP FILE: BF-B3

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE (MPW) PSI/CP*BD	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BD PER CYCLE
22	2. 22611	11022. 865	14992. 9942	2411. 62	0. 00000	0. 00000
23	40. 6261	11270. 016	15526. 7451	169. 82	0. 00000	0. 00000
45	41. 2803	11088. 593	15133. 4105	-723. 44	0. 00000	0. 00000
46	41. 4533	11265. 962	15517. 8633	3449. 03	0. 00000	0. 00000
55	41. 8428	11060. 078	15072. 3577	-64. 37	0. 00000	0. 00000
68	42. 3428	10878. 405	14688. 2261	130. 68	0. 00000	0. 00000
81	43. 3428	10781. 718	14487. 1557	2457. 09	0. 00000	0. 00000
87	44. 3428	10709. 102	14337. 6603	3890. 90	0. 00000	0. 00000
91	45. 3428	10386. 880	13689. 6813	5446. 03	0. 00000	0. 00000
96	46. 5206	10533. 153	13980. 7487	7160. 93	0. 00000	0. 00000
97	196. 243	11343. 151	15687. 7307	185. 17	0. 00000	0. 00000
98	197. 643	11193. 017	15358. 7664	716. 33	0. 00000	0. 00000
99	198. 259	11243. 062	15467. 7671	2059. 02	0. 00000	0. 00000
100	198. 609	11193. 017	15358. 7664	-62. 09	0. 00000	0. 00000
101	378. 273	11401. 232	15816. 5849	101. 72	0. 00000	0. 00000
219	409. 116	10953. 863	14846. 7653	9695. 63	0. 00000	0. 00000
220	409. 198	11307. 679	15609. 4749	16690. 70	-1. 08355	2. 88236
222	409. 231	11321. 251	15639. 3779	15770. 18	-0. 94035	2. 89906
224	409. 281	11331. 580	15662. 1684	14761. 54	-0. 78325	2. 91137
225	409. 315	11336. 004	15671. 9380	14228. 96	-0. 70018	2. 91654
227	409. 383	11341. 830	15684. 8100	13412. 84	-0. 57268	2. 92327
229	409. 494	11347. 875	15698. 1780	12449. 86	-0. 42181	2. 93014
230	409. 574	11350. 898	15704. 8656	11925. 15	-0. 33935	2. 93354
232	409. 743	11355. 692	15715. 4777	11059. 46	-0. 20277	2. 93888
234	409. 914	11359. 115	15723. 0583	10399. 68	-0. 09812	2. 94265
235	410. 001	11360. 466	15726. 0516	10115. 92	-0. 05292	2. 94413
237	410. 176	11362. 758	15731. 1300	9626. 08	0. 02542	2. 94663
239	410. 343	11364. 510	15735. 0119	9231. 73	0. 08882	2. 94853
240	410. 526	11366. 061	15738. 4508	8857. 63	0. 14930	2. 95021
242	410. 868	11368. 323	15743. 4661	8279. 46	0. 24352	2. 95265
244	411. 218	11370. 075	15747. 3505	7799. 17	0. 32262	2. 95452
245	411. 384	11370. 765	15748. 8823	7599. 55	0. 35576	2. 95526

BUILDUP TEST NO. 3 OF 5/13-17/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: MASB3A
 WASP FILE: BF-83

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SHORT TERM WELL TEST
 PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*80	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*80 PER CYCLE
247	411.726	11372.036	15751.7020	7235.31	0.41669	2.95662
249	412.093	11372.937	15753.7005	6897.61	0.47377	2.95758
250	412.276	11373.368	15754.6554	6745.33	0.49973	2.95803
252	412.543	11373.968	15755.9880	6540.26	0.53491	2.95867
254	412.909	11374.629	15757.4538	6285.28	0.57905	2.95937
255	413.093	11374.919	15758.0980	6167.83	0.59955	2.95968
257	413.459	11375.540	15759.4752	5950.07	0.63785	2.96033
259	413.809	11376.020	15760.5415	5760.66	0.67151	2.96084
260	413.976	11376.280	15761.1190	5675.99	0.68666	2.96111
262	414.343	11376.641	15761.9188	5500.81	0.71825	2.96149
264	414.859	11377.141	15763.0297	5276.51	0.75919	2.96202
265	415.109	11377.351	15763.4963	5176.19	0.77769	2.96224
267	415.609	11377.752	15764.3850	4989.42	0.81249	2.96266
269	416.109	11378.182	15765.3405	4818.79	0.84470	2.96311
270	416.359	11378.302	15765.6071	4738.80	0.85996	2.96324
272	416.859	11378.652	15766.3849	4588.26	0.88894	2.96361
274	417.359	11378.933	15767.0071	4448.95	0.91612	2.96390
275	417.609	11379.013	15767.1849	4383.06	0.92909	2.96399
277	418.109	11379.253	15767.7182	4258.11	0.95393	2.96424
279	418.609	11379.513	15768.2961	4141.38	0.97743	2.96451
280	418.859	11379.613	15768.5183	4085.83	0.98872	2.96461
282	419.359	11379.823	15768.9850	3979.84	1.01045	2.96483
284	419.859	11380.014	15769.4073	3880.11	1.03115	2.96503
285	420.109	11380.084	15769.5629	3832.41	1.04114	2.96511
287	420.609	11380.244	15769.9185	3740.99	1.06046	2.96527
289	421.109	11380.414	15770.2963	3654.48	1.07895	2.96545
290	421.359	11380.524	15770.5408	3612.94	1.08791	2.96557
292	421.859	11380.694	15770.9187	3533.03	1.10529	2.96574
294	422.359	11380.914	15771.4077	3457.06	1.12201	2.96597
295	422.609	11381.004	15771.6077	3420.46	1.13013	2.96607
297	423.076	11381.255	15772.1635	3354.44	1.14489	2.96633
299	423.576	11381.495	15772.6970	3286.84	1.16018	2.96658

BUILDUP TEST NO. 3 OF 5/13-17/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: MASB3A
 WASP FILE: BF-B3

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SHORT TERM WELL TEST
 PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
300	423.826	11381.625	15772.9859	3254.19	1.16762	2.96671
302	424.326	11381.725	15773.2082	3191.02	1.18214	2.96682
304	424.826	11381.775	15773.3194	3130.56	1.19618	2.96687
305	425.076	11381.795	15773.3638	3101.28	1.20304	2.96689
307	425.826	11381.785	15773.3416	3017.01	1.22298	2.96688
309	426.576	11381.835	15773.4528	2937.69	1.24205	2.96693
310	426.826	11381.855	15773.4972	2912.27	1.24823	2.96695
312	427.826	11381.905	15773.6084	2815.28	1.27208	2.96701
314	428.326	11381.955	15773.7195	2769.42	1.28353	2.96706
315	428.576	11381.965	15773.7418	2747.10	1.28915	2.96707
317	429.326	11382.025	15773.8751	2682.45	1.30557	2.96713
319	429.826	11382.075	15773.9863	2641.18	1.31619	2.96718
320	430.326	11382.105	15774.0530	2601.28	1.32655	2.96721
322	430.843	11382.296	15774.4754	2561.41	1.33700	2.96741
324	431.343	11382.336	15774.5643	2524.08	1.34688	2.96745
325	431.593	11382.356	15774.6088	2505.86	1.35174	2.96747
327	432.593	11382.406	15774.7199	2435.75	1.37064	2.96753
329	433.093	11382.426	15774.7644	2402.27	1.37979	2.96755
330	433.343	11382.466	15774.8533	2385.91	1.38430	2.96759
332	433.843	11382.516	15774.9645	2353.89	1.39317	2.96764
334	435.093	11382.546	15775.0312	2277.78	1.41459	2.96767
335	435.343	11382.566	15775.0756	2263.19	1.41875	2.96769
337	435.843	11382.596	15775.1423	2234.61	1.42695	2.96772
339	436.843	11382.646	15775.2535	2179.74	1.44290	2.96778
340	437.343	11382.656	15775.2757	2153.37	1.45066	2.96779
342	438.093	11382.676	15775.3202	2115.09	1.46205	2.96781
344	438.843	11382.696	15775.3647	2078.25	1.47315	2.96783
345	439.593	11382.706	15775.3869	2042.76	1.48397	2.96784
347	440.593	11382.726	15775.4314	1997.42	1.49799	2.96786
349	441.593	11382.756	15775.4981	1954.18	1.51158	2.96789
350	442.343	11382.766	15775.5203	1923.05	1.52149	2.96790
352	443.593	11382.746	15775.4758	1873.45	1.53753	2.96788

BUILDUP TEST NO. 3 OF 5/13-17/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: MASB3A
 WASP FILE: BF-B3

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SHORT TERM WELL TEST
 PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BD	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BD PER CYCLE
354	444.343	11382.766	15775.5203	1844.99	1.54687	2.96790
355	444.593	11382.756	15775.4981	1835.71	1.54995	2.96789
357	445.093	11382.776	15775.5425	1817.43	1.55602	2.96791
359	505.197	11381.505	15772.7192	851.73	1.98264	2.96659

*SUPERPOSED RATE-TIME SCHEDULE:

$SUM((Q(K)-Q(K-1))*LOG(T(J)-T(K-1)))$

LOG(DT) IS LOG BASE 10 OF CONSTANT RATE TRANSIENT TIMES

DRAWDOWN NO. 4 OF 5/17-18/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASD4A
WASP FILE: BF-D4

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
22	2. 226111	4274. 975	11037. 890	M	6939. 00
23	40. 62611	5370. 975	11285. 041	M	0. 00
45	41. 28028	5190. 975	11103. 618	M	4831. 49
46	41. 45333	5378. 975	11280. 987	M	0. 00
55	41. 84278	5140. 975	11075. 103	M	4512. 00
68	42. 34278	4950. 975	10893. 430	M	7200. 00
81	43. 34278	4903. 975	10796. 743	M	7800. 00
87	44. 34278	4823. 975	10724. 127	M	9696. 00
91	45. 34278	4451. 975	10401. 905	M	10272. 00
96	46. 52056	4653. 975	10548. 178	M	14016. 00
97	196. 2428	5584. 975	11358. 176	M	0. 00
98	197. 6428	5234. 975	11208. 042	M	3646. 00
99	198. 2594	5334. 975	11258. 087	M	0. 00
100	198. 6094	5284. 975	11208. 042	M	3646. 00
101	378. 2733	5340. 975	11416. 257	M	0. 00
102	378. 2761	5253. 975	11402. 275	M	6170. 00
219	409. 1158	4972. 975	10968. 888	M	6448. 87
220	505. 1969	--	11396. 530	M	0. 00
221	505. 2817	5496. 975	11371. 287	M	8801. 00
222	505. 4692	5520. 975	11396. 089	M	0. 00
223	505. 4803	5444. 975	11366. 733	M	8801. 00
224	505. 7897	5517. 975	11395. 849	M	0. 00
225	505. 7914	5461. 975	11366. 903	M	8801. 00
227	505. 7969	5337. 975	11250. 320	M	8801. 00
228	505. 8011	5210. 975	11158. 367	M	8801. 00
230	505. 8122	5058. 975	11031. 674	M	8801. 00
232	505. 8219	5009. 975	10994. 270	M	8801. 00
233	505. 8261	5001. 975	10976. 234	M	8801. 00
235	505. 8428	4972. 975	10945. 637	M	8801. 00
237	505. 8886	4943. 975	10909. 985	M	8801. 00
238	505. 9303	4937. 975	10894. 481	M	8801. 00
240	506. 0428	4920. 975	10858. 759	M	8801. 00
242	506. 2136	4935. 975	10854. 245	M	8801. 00
243	506. 2969	4937. 975	10848. 690	M	8801. 00
245	506. 5178	4935. 975	10836. 719	M	8671. 04

DRAWDOWN NO. 4 OF 5/17-18/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
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PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASD4A
WASP FILE: BF-D4

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW QSF RESBPD
246	506. 6886	4940. 975	10828. 902	M	8637. 00
248	507. 0428	4942. 975	10816. 400	M	8637. 00
250	507. 4094	4950. 975	10808. 413	M	8637. 00
251	507. 5928	4961. 975	10804. 590	M	8637. 00
253	507. 9594	4961. 975	10798. 004	M	8637. 00
255	508. 3094	4975. 975	10793. 670	M	8637. 00
256	508. 3428	4978. 975	10792. 869	M	8637. 00
258	508. 8594	4979. 975	10787. 625	M	8392. 00
260	509. 3594	4990. 975	10783. 731	M	8392. 00
261	509. 6094	4991. 975	10781. 529	M	8392. 00
263	510. 1094	4986. 975	10779. 137	M	8392. 00
265	510. 6094	4998. 975	10775. 824	M	8486. 40
266	510. 8594	4999. 975	10775. 223	M	8569. 00
268	511. 3594	5004. 975	10771. 340	M	8569. 00
269	511. 5428	4991. 975	10767. 917	M	8569. 00
271	511. 9761	5003. 975	10767. 306	M	8569. 00
273	512. 3428	5008. 975	10765. 424	M	8569. 00
274	512. 6094	5019. 975	10766. 686	M	8556. 00
276	512. 9094	5019. 975	10762. 792	M	8556. 00
278	513. 4094	5025. 975	10760. 870	M	8556. 00
279	513. 6594	5022. 975	10759. 990	M	8556. 00
281	514. 1594	5017. 975	10758. 158	M	8556. 00
283	514. 5261	5023. 975	10756. 276	M	8788. 50
284	514. 7761	5014. 975	10755. 465	M	9021. 00
286	515. 2761	5025. 975	10753. 944	M	9021. 00
288	515. 7761	5027. 975	10752. 142	M	9021. 00
289	516. 0261	5023. 975	10751. 222	M	9021. 00
291	516. 3428	5001. 975	10750. 401	M	9021. 00
292	516. 6094	5014. 975	10749. 440	M	8502. 00
294	517. 0761	5008. 975	10747. 869	M	8502. 00
296	517. 5761	5020. 975	10746. 477	M	8502. 00
297	517. 8261	5029. 975	10745. 677	M	8502. 00
299	518. 3428	5039. 975	10744. 456	M	8502. 00
301	518. 8594	5022. 975	10743. 124	M	8540. 00
302	519. 1094	5034. 975	10742. 344	M	8540. 00

DRAWDOWN NO. 4 OF 5/17-18/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASD4A
WASP FILE: BF-D4

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
304	519. 6094	5041. 975	10741. 213	M	8540. 00
306	520. 1094	5047. 975	10740. 362	M	8540. 00
307	520. 3428	5035. 975	10739. 751	M	8540. 00
309	520. 8594	5040. 975	10738. 510	M	8789. 00
310	521. 1094	5048. 975	10738. 070	M	8789. 00
312	521. 6094	5055. 975	10736. 799	M	8789. 00
314	522. 1094	5059. 975	10735. 848	M	8789. 00
315	522. 3428	5060. 975	10735. 267	M	8789. 00
317	522. 8261	5068. 975	10734. 607	M	8526. 00
319	523. 4094	5061. 975	10728. 641	M	8526. 00
320	523. 6928	5055. 975	10732. 935	M	8526. 00
322	524. 1928	5063. 975	10731. 974	M	8526. 00
324	524. 6261	5065. 975	10731. 184	M	8518. 15
325	524. 8761	5061. 975	10730. 753	M	8514. 00
327	525. 3761	5079. 975	10729. 842	M	8514. 00
329	525. 8761	5089. 975	10729. 072	M	8514. 00
330	526. 1261	5087. 975	10728. 511	M	8514. 00
332	526. 6094	5081. 975	10727. 410	M	9362. 00
333	526. 8594	5091. 975	10726. 489	M	10051. 00
335	527. 2428	5092. 975	10726. 179	M	10051. 00
337	527. 7428	5083. 975	10725. 448	M	10051. 00
338	527. 9928	5094. 975	10724. 848	M	10051. 00
340	528. 6094	5085. 975	10723. 597	M	9443. 43
342	529. 1094	5087. 975	10723. 467	M	8646. 00
343	529. 3594	5086. 975	10722. 886	M	8646. 00
345	529. 8594	5089. 975	10721. 915	M	8646. 00
347	530. 3594	5089. 975	10721. 134	M	8646. 00
348	530. 6094	5069. 975	10720. 594	M	8646. 00
350	531. 1094	5061. 975	10719. 373	M	8646. 00
352	531. 4761	5065. 975	10718. 872	M	8646. 00

* M - MEASURED
C - CALCULATED

DRAWDOWN NO. 4 OF 5/17-18/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASD4A
WASP FILE: BF-D4

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE (MPW) PSI/CP*BD	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BD PER CYCLE
22	2.22611	11022.865	14992.9940	2411.62	0.00000	0.00000
23	40.6261	11270.016	15526.7378	169.82	0.00000	0.00000
45	41.2803	11088.593	15133.4093	-723.44	0.00000	0.00000
46	41.4533	11265.962	15517.8561	3449.03	0.00000	0.00000
55	41.8428	11060.078	15072.3570	-64.37	0.00000	0.00000
68	42.3428	10878.405	14688.2262	130.68	0.00000	0.00000
81	43.3428	10781.718	14487.1558	2457.09	0.00000	0.00000
87	44.3428	10709.102	14337.6604	3890.90	0.00000	0.00000
91	45.3428	10386.880	13689.6814	5446.03	0.00000	0.00000
96	46.5206	10533.153	13980.7487	7160.93	0.00000	0.00000
97	196.243	11343.151	15686.4000	185.17	0.00000	0.00000
98	197.643	11193.017	15358.7621	716.33	0.00000	0.00000
99	198.259	11243.062	15467.7608	2059.02	0.00000	0.00000
100	198.609	11193.017	15358.7621	-62.09	0.00000	0.00000
101	378.273	11401.232	15817.6000	101.72	0.00000	0.00000
102	378.276	11387.250	15785.6000	-15670.63	0.00000	0.00000
219	409.116	10953.863	14846.7655	9695.66	0.00000	0.00000
220	505.197	11381.505	15779.2000	851.73	0.00000	0.00000
221	505.282	11356.262	15712.0000	-8583.56	0.00000	0.00000
222	505.469	11381.064	15772.8000	2274.84	0.00000	0.00000
223	505.480	11351.708	15705.6000	-14991.63	0.00000	0.00000
224	505.790	11380.824	15769.6000	1571.79	0.00000	0.00000
225	505.791	11351.878	15712.0000	-22881.18	-2.77815	1.76042
227	505.797	11235.295	15450.8015	-17284.75	-2.14133	2.50352
228	505.801	11143.342	15251.2113	-15549.86	-1.94352	2.71466
230	505.812	11016.649	14979.7727	-12963.01	-1.64782	2.89753
232	505.822	10979.245	14900.4168	-11603.37	-1.49184	2.93911
233	505.826	10961.209	14862.2773	-11144.01	-1.43903	2.95776
235	505.843	10930.612	14797.7626	-9723.65	-1.27527	2.98759
237	505.889	10894.960	14722.8865	-7394.88	-1.00485	3.01983
238	505.930	10879.456	14690.4244	-6090.85	-0.85215	3.03309
240	506.043	10843.734	14615.8574	-3928.46	-0.59678	3.06211

DRAWDOWN NO. 4 OF 5/17-18/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASD4A
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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
242	506.214	10839.220	14606.4573	-2046.06	-0.37275	3.06563
243	506.297	10833.665	14594.8964	-1392.71	-0.29480	3.06993
245	506.518	10821.694	14570.0091	8.53	-0.13784	3.07903
246	506.689	10813.877	14553.7766	771.15	-0.04629	3.08487
248	507.043	10801.375	14527.8486	1933.56	0.09797	3.09403
250	507.409	10793.388	14511.3030	2846.16	0.20944	3.09978
251	507.593	10789.565	14503.3883	3229.83	0.25601	3.10251
253	507.959	10782.979	14489.7635	3894.94	0.33640	3.10715
255	508.309	10778.645	14480.8035	4434.46	0.40135	3.11018
256	508.343	10777.844	14479.1486	4481.96	0.40706	3.11074
258	508.859	10772.600	14468.3128	5219.56	0.48710	3.11437
260	509.359	10768.706	14460.2730	5695.54	0.55263	3.11705
261	509.609	10766.504	14455.7277	5918.36	0.58203	3.11855
263	510.109	10764.112	14450.7912	6330.94	0.63546	3.12018
265	510.609	10760.799	14443.9569	6675.36	0.68302	3.12243
266	510.859	10760.198	14442.7183	6815.64	0.70498	3.12283
268	511.359	10756.315	14434.7110	7200.10	0.74583	3.12545
269	511.543	10752.892	14427.6561	7325.56	0.75990	3.12773
271	511.976	10752.281	14426.3981	7601.85	0.79144	3.12814
273	512.343	10750.399	14422.5215	7817.91	0.81644	3.12939
274	512.609	10751.661	14425.1195	7974.04	0.83377	3.12855
276	512.909	10747.767	14417.0998	8129.56	0.85246	3.13114
278	513.409	10745.845	14413.1428	8376.82	0.88194	3.13241
279	513.659	10744.965	14411.3295	8494.58	0.89596	3.13299
281	514.159	10743.133	14407.5593	8719.20	0.92271	3.13419
283	514.526	10741.251	14403.6869	8774.15	0.94133	3.13542
284	514.776	10740.440	14402.0187	8789.43	0.95359	3.13595
286	515.276	10738.919	14398.8888	9157.41	0.97710	3.13695
288	515.776	10737.117	14395.1830	9433.16	0.99941	3.13812
289	516.026	10736.197	14393.2892	9555.97	1.01015	3.13872
291	516.343	10735.376	14391.6015	9701.82	1.02338	3.13925
292	516.609	10734.415	14389.6258	10115.84	1.03422	3.13987

DRAWDOWN NO. 4 OF 5/17-18/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASD4A
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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
294	517.076	10732.844	14386.3952	10079.13	1.05256	3.14089
296	517.576	10731.452	14383.5356	10153.26	1.07138	3.14178
297	517.826	10730.652	14381.8899	10202.85	1.08050	3.14230
299	518.343	10729.431	14379.3806	10315.83	1.09875	3.14308
301	518.859	10728.099	14376.6455	10423.81	1.11627	3.14394
302	519.109	10727.319	14375.0416	10488.48	1.12450	3.14444
304	519.609	10726.188	14372.7183	10612.87	1.14050	3.14516
306	520.109	10725.337	14370.9709	10733.16	1.15593	3.14570
307	520.343	10724.726	14369.7170	10788.12	1.16295	3.14609
309	520.859	10723.485	14367.1684	10835.92	1.17811	3.14688
310	521.109	10723.045	14366.2641	10935.08	1.18525	3.14716
312	521.609	10721.774	14363.6543	11100.04	1.19920	3.14797
314	522.109	10720.823	14361.7024	11243.71	1.21271	3.14857
315	522.343	10720.242	14360.5108	11306.39	1.21888	3.14894
317	522.826	10719.582	14359.1549	11512.95	1.23138	3.14936
319	523.409	10713.616	14346.9160	11562.79	1.24600	3.15311
320	523.693	10717.910	14355.7247	11601.19	1.25293	3.15041
322	524.193	10716.949	14353.7531	11676.66	1.26489	3.15102
324	524.626	10716.159	14352.1308	11748.60	1.27500	3.15151
325	524.876	10715.728	14351.2479	11790.08	1.28072	3.15178
327	525.376	10714.817	14349.3795	11867.80	1.29195	3.15236
329	525.876	10714.047	14347.7987	11947.13	1.30290	3.15284
330	526.126	10713.486	14346.6491	11986.82	1.30827	3.15319
332	526.609	10712.385	14344.3912	11795.45	1.31847	3.15388
333	526.859	10711.464	14342.5030	11573.39	1.32366	3.15445
335	527.243	10711.154	14341.8668	12066.08	1.33149	3.15465
337	527.743	10710.423	14340.3688	12453.35	1.34149	3.15510
338	527.993	10709.823	14339.1377	12603.94	1.34641	3.15548
340	528.609	10708.572	14336.5730	13039.34	1.35831	3.15625
342	529.109	10708.442	14336.3063	13330.57	1.36772	3.15634
343	529.359	10707.861	14335.1165	13231.28	1.37235	3.15670
345	529.859	10706.890	14333.1267	13146.66	1.38147	3.15730

DRAWDOWN NO. 4 OF 5/17-18/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: MASD4A
 WASP FILE: BF-D4

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SHORT TERM WELL TEST
 PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*80	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*80 PER CYCLE
347	530.359	10706.109	14331.5269	13126.97	1.39040	3.15778
348	530.609	10705.569	14330.4194	13129.39	1.39480	3.15812
350	531.109	10704.348	14327.9176	13148.66	1.40346	3.15887
352	531.476	10703.847	14326.8924	13170.97	1.40970	3.15918

*SUPERPOSED RATE-TIME SCHEDULE:

$SUM((Q(K)-Q(K-1))*LOG(T(J)-T(K-1)))$

LOG(DT) IS LOG BASE 10 OF CONSTANT RATE TRANSIENT TIMES

BUILDUP NO. 4 OF 5/18-20/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: MASB4A
 WASP FILE: BF-B4

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SHORT TERM WELL TEST
 MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
22	2. 226111	4274. 975	11037. 890	M	6939. 00
23	40. 62611	5370. 975	11285. 041	M	0. 00
55	41. 84278	5140. 975	11075. 103	M	4042. 01
68	42. 34278	4950. 975	10893. 430	M	7200. 00
81	43. 34278	4903. 975	10796. 743	M	7800. 00
87	44. 34278	4823. 975	10724. 127	M	9696. 00
91	45. 34278	4451. 975	10401. 905	M	10272. 00
96	46. 52056	4653. 975	10548. 178	M	14016. 00
97	196. 2428	5584. 975	11358. 176	M	0. 00
98	197. 6428	5234. 975	11208. 042	M	3646. 00
99	198. 2594	5334. 975	11258. 087	M	0. 00
100	198. 6094	5284. 975	11208. 042	M	3646. 00
101	378. 2733	5340. 975	11416. 257	M	0. 00
219	409. 1158	4972. 975	10968. 888	M	6448. 85
225	505. 7914	5461. 975	11366. 903	M	8. 88
352	531. 4761	5065. 975	10718. 872	M	8726. 49
353	531. 4928	-15. 025	10721. 405	M	0. 00
355	531. 5261	4503. 975	10752. 573	M	0. 00
357	531. 5594	4099. 975	10788. 595	M	0. 00
359	531. 5928	3667. 975	10823. 167	M	0. 00
361	531. 6261	3153. 975	10870. 029	M	0. 00
363	531. 6622	2762. 975	10907. 162	M	0. 00
365	531. 7067	2236. 975	10972. 191	M	0. 00
367	531. 7456	928. 975	11209. 843	M	0. 00
369	531. 7733	845. 975	11265. 223	M	0. 00
371	531. 8428	842. 975	11295. 660	M	0. 00
373	531. 9817	829. 975	11314. 827	M	0. 00
375	532. 1164	814. 975	11324. 205	M	0. 00
377	532. 2511	808. 975	11330. 501	M	0. 00
379	532. 3428	792. 975	11333. 814	M	0. 00
381	532. 5178	781. 975	11338. 839	M	0. 00
383	532. 6886	775. 975	11342. 622	M	0. 00
385	532. 8594	758. 975	11345. 645	M	0. 00
387	533. 0344	759. 975	11348. 177	M	0. 00
389	533. 2094	743. 975	11350. 399	M	0. 00

BUILDUP NO. 4 OF 5/18-20/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASB4A
WASP FILE: BF-B4

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
391	533.3428	743.975	11351.830	M	0.00
393	533.7011	731.975	11354.963	M	0.00
395	534.0428	718.975	11357.285	M	0.00
397	534.3428	720.975	11358.956	M	0.00
399	534.7011	699.975	11360.618	M	0.00
401	535.0428	702.975	11361.959	M	0.00
403	535.4094	701.975	11363.160	M	0.00
405	535.7761	684.975	11364.141	M	0.00
407	536.3094	685.975	11366.203	M	0.00
408	536.3428	687.975	11366.273	M	0.00
410	536.8594	681.975	11367.144	M	0.00
412	537.3594	684.975	11367.874	M	0.00
414	537.8594	680.975	11368.515	M	0.00
416	538.3428	668.975	11369.035	M	0.00
418	538.8594	666.975	11369.596	M	0.00
420	539.3594	674.975	11370.006	M	0.00
422	539.8594	674.975	11370.467	M	0.00
424	540.3594	667.975	11370.847	M	0.00
426	540.8594	664.975	11371.227	M	0.00
428	541.3594	666.975	11371.548	M	0.00
430	541.8594	665.975	11371.868	M	0.00
432	542.3094	666.975	11372.138	M	0.00
434	543.1761	670.975	11372.589	M	0.00
436	543.6761	678.975	11372.819	M	0.00
438	544.1761	684.975	11373.039	M	0.00
440	544.6761	687.975	11373.219	M	0.00
442	545.1761	686.975	11373.419	M	0.00
444	545.6761	687.975	11373.589	M	0.00
446	546.1761	693.975	11373.740	M	0.00
448	546.6761	692.975	11373.890	M	0.00
450	547.1761	688.975	11374.110	M	0.00
452	547.6761	693.975	11374.360	M	0.00
454	548.1761	693.975	11374.490	M	0.00
456	548.6761	691.975	11374.610	M	0.00
458	549.1567	690.975	11374.710	M	0.00

BUILDUP NO. 4 OF 5/18-20/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: MASB4A
 WASP FILE: BF-B4

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SHORT TERM WELL TEST
 MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW QSF RESBPD
460	549.6761	689.975	11374.781	M	0.00
462	550.1761	678.975	11374.851	M	0.00
463	550.4261	684.975	11374.911	M	0.00
465	550.9261	683.975	11375.011	M	0.00
467	551.4261	682.975	11375.101	M	0.00
469	551.9261	680.975	11375.181	M	0.00
471	552.4261	673.975	11375.261	M	0.00
473	552.9261	667.975	11375.391	M	0.00
475	553.6761	656.975	11375.201	M	0.00
477	554.1761	647.975	11375.361	M	0.00
479	554.6761	633.975	11375.451	M	0.00
481	555.1761	632.975	11375.551	M	0.00
483	555.6761	622.975	11375.641	M	0.00
485	556.1761	618.975	11375.721	M	0.00
487	556.6761	623.975	11375.791	M	0.00
489	557.1761	624.975	11375.831	M	0.00
491	557.6761	621.975	11375.881	M	0.00
493	558.1761	611.975	11375.932	M	0.00
495	558.6761	613.975	11375.982	M	0.00
497	559.1761	608.975	11376.052	M	0.00
499	559.6761	609.975	11376.122	M	0.00
501	560.1761	610.975	11376.212	M	0.00
503	560.6761	607.975	11376.312	M	0.00
505	561.1761	604.975	11376.432	M	0.00
507	561.6761	592.975	11376.552	M	0.00
509	562.1761	595.975	11376.672	M	0.00
511	562.6761	597.975	11376.772	M	0.00
513	563.1761	594.975	11376.842	M	0.00
515	563.6761	589.975	11376.902	M	0.00
517	565.8206	5679.975	11385.300	M	0.00

* M - MEASURED
 C - CALCULATED

BUILDUP NO. 4 OF 5/18-20/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASB4A
WASP FILE: BF-B4

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE (MPW) PSI/CP*BD	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BD PER CYCLE
22	2. 22611	11022. 865	14992. 9942	2411. 62	0. 00000	0. 00000
23	40. 6261	11270. 016	15526. 7451	169. 82	0. 00000	0. 00000
55	41. 8428	11060. 078	15072. 3577	509. 01	0. 00000	0. 00000
68	42. 3428	10878. 405	14688. 2261	160. 70	0. 00000	0. 00000
81	43. 3428	10781. 718	14487. 1557	2469. 36	0. 00000	0. 00000
87	44. 3428	10709. 102	14337. 6603	3897. 08	0. 00000	0. 00000
91	45. 3428	10386. 880	13689. 6813	5449. 72	0. 00000	0. 00000
96	46. 5206	10533. 153	13980. 7487	7163. 22	0. 00000	0. 00000
97	196. 243	11343. 151	15687. 7307	185. 18	0. 00000	0. 00000
98	197. 643	11193. 017	15358. 7664	716. 34	0. 00000	0. 00000
99	198. 259	11243. 062	15467. 7671	2059. 02	0. 00000	0. 00000
100	198. 609	11193. 017	15358. 7664	-62. 09	0. 00000	0. 00000
101	378. 273	11401. 232	15816. 5849	101. 72	0. 00000	0. 00000
219	409. 116	10953. 863	14846. 7653	9695. 63	0. 00000	0. 00000
225	505. 791	11351. 878	15707. 0363	865. 07	0. 00000	0. 00000
352	531. 476	10703. 847	14326. 8923	13005. 08	0. 00000	0. 00000
353	531. 493	10706. 380	14332. 0806	28524. 45	-1. 77815	0. 71502
355	531. 526	10737. 548	14396. 0681	24365. 61	-1. 30103	1. 83995
357	531. 559	10773. 570	14470. 3181	22434. 40	-1. 07918	2. 15663
359	531. 593	10808. 142	14541. 8768	21163. 95	-0. 93305	2. 33241
361	531. 626	10855. 004	14639. 3486	20216. 24	-0. 82391	2. 49479
363	531. 662	10892. 137	14716. 9722	19403. 85	-0. 73023	2. 59115
365	531. 707	10957. 166	14853. 7376	18598. 55	-0. 63722	2. 72168
367	531. 746	11194. 818	15362. 6792	18013. 31	-0. 56953	3. 01527
369	531. 773	11250. 198	15483. 3637	17645. 38	-0. 52692	3. 06313
371	531. 843	11280. 635	15550. 0337	16859. 39	-0. 43573	3. 08748
373	531. 982	11299. 802	15592. 1419	15661. 55	-0. 29623	3. 10218
375	532. 116	11309. 180	15612. 7804	14785. 01	-0. 19363	3. 10920
377	532. 251	11315. 476	15626. 6478	14079. 99	-0. 11070	3. 11386
379	532. 343	11318. 789	15633. 9494	13668. 98	-0. 06215	3. 11629
381	532. 518	11323. 814	15645. 0288	12996. 00	0. 01773	3. 11996
383	532. 689	11327. 597	15653. 3757	12443. 79	0. 08368	3. 12270

BUILDUP NO. 4 OF 5/18-20/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASB4A
WASP FILE: BF-B4

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
385	532.859	11330.620	15660.0472	11967.42	0.14093	3.12488
387	533.034	11333.152	15665.6380	11539.56	0.19266	3.12670
389	533.209	11335.374	15670.5452	11159.64	0.23888	3.12829
391	533.343	11336.805	15673.7069	10896.54	0.27107	3.12931
393	533.701	11339.938	15680.6290	10278.31	0.34733	3.13153
395	534.043	11342.260	15685.7614	9781.43	0.40937	3.13318
397	534.343	11343.931	15689.4567	9401.12	0.45738	3.13436
399	534.701	11345.593	15693.1307	9000.34	0.50853	3.13553
401	535.043	11346.934	15696.0969	8661.65	0.55226	3.13647
403	535.409	11348.135	15698.7536	8336.31	0.59476	3.13731
405	535.776	11349.116	15700.9236	8043.48	0.63347	3.13800
407	536.309	11351.178	15705.4858	7664.75	0.68425	3.13944
408	536.343	11351.248	15705.6408	7642.69	0.68723	3.13949
410	536.859	11352.119	15707.5679	7321.52	0.73105	3.14009
412	537.359	11352.849	15709.1850	7043.19	0.76962	3.14060
414	537.859	11353.490	15710.6029	6791.39	0.80505	3.14105
416	538.343	11354.010	15711.7550	6569.34	0.83675	3.14141
418	538.859	11354.571	15712.9958	6351.81	0.86825	3.14180
420	539.359	11354.981	15713.9043	6158.17	0.89671	3.14208
422	539.859	11355.442	15714.9237	5978.99	0.92342	3.14240
424	540.359	11355.822	15715.7658	5812.50	0.94858	3.14266
426	540.859	11356.202	15716.6080	5657.27	0.97236	3.14293
428	541.359	11356.523	15717.3172	5512.05	0.99490	3.14315
430	541.859	11356.843	15718.0264	5375.82	1.01634	3.14337
432	542.309	11357.113	15718.6248	5260.14	1.03476	3.14356
434	543.176	11357.564	15719.6223	5053.77	1.06819	3.14387
436	543.676	11357.794	15720.1321	4943.47	1.08636	3.14403
438	544.176	11358.014	15720.6198	4838.90	1.10380	3.14418
440	544.676	11358.194	15721.0188	4739.58	1.12057	3.14430
442	545.176	11358.394	15721.4622	4645.08	1.13672	3.14444
444	545.676	11358.564	15721.8390	4555.04	1.15229	3.14456
446	546.176	11358.715	15722.1716	4469.12	1.16732	3.14466

BUILDUP NO. 4 OF 5/18-20/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASB4A
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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
448	546.676	11358.865	15722.5041	4387.02	1.18184	3.14476
450	547.176	11359.085	15722.9918	4308.47	1.19590	3.14492
452	547.676	11359.335	15723.5461	4233.22	1.20952	3.14509
454	548.176	11359.465	15723.8343	4161.06	1.22272	3.14518
456	548.676	11359.585	15724.1004	4091.78	1.23553	3.14526
458	549.157	11359.685	15724.3221	4027.75	1.24750	3.14533
460	549.676	11359.756	15724.4773	3961.16	1.26007	3.14538
462	550.176	11359.826	15724.6325	3899.50	1.27184	3.14543
463	550.426	11359.886	15724.7655	3869.52	1.27761	3.14547
465	550.926	11359.986	15724.9872	3811.17	1.28892	3.14554
467	551.426	11360.076	15725.1868	3754.88	1.29994	3.14560
469	551.926	11360.156	15725.3642	3700.52	1.31069	3.14565
471	552.426	11360.236	15725.5416	3648.00	1.32118	3.14571
473	552.926	11360.366	15725.8298	3597.21	1.33143	3.14580
475	553.676	11360.176	15725.4085	3524.08	1.34635	3.14567
477	554.176	11360.336	15725.7633	3477.25	1.35603	3.14578
479	554.676	11360.426	15725.9629	3431.86	1.36549	3.14584
481	555.176	11360.526	15726.1846	3387.85	1.37475	3.14591
483	555.676	11360.616	15726.3842	3345.14	1.38382	3.14597
485	556.176	11360.696	15726.5616	3303.69	1.39270	3.14603
487	556.676	11360.766	15726.7168	3263.42	1.40140	3.14607
489	557.176	11360.806	15726.8055	3224.30	1.40993	3.14610
491	557.676	11360.856	15726.9163	3186.26	1.41830	3.14614
493	558.176	11360.907	15727.0272	3149.26	1.42651	3.14617
495	558.676	11360.957	15727.1381	3113.25	1.43457	3.14620
497	559.176	11361.027	15727.2933	3078.19	1.44248	3.14625
499	559.676	11361.097	15727.4485	3044.05	1.45025	3.14630
501	560.176	11361.187	15727.6481	3010.78	1.45788	3.14636
503	560.676	11361.287	15727.8699	2978.36	1.46538	3.14643
505	561.176	11361.407	15728.1360	2946.74	1.47276	3.14651
507	561.676	11361.527	15728.4021	2915.89	1.48001	3.14660
509	562.176	11361.647	15728.6682	2885.79	1.48714	3.14668

BUILDUP NO. 4 OF 5/18-20/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: MASB4A
 WASP FILE: BF-B4

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SHORT TERM WELL TEST
 PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
511	562.676	11361.747	15728.8900	2856.41	1.49415	3.14675
513	563.176	11361.817	15729.0452	2827.72	1.50106	3.14680
515	563.676	11361.877	15729.1783	2799.69	1.50786	3.14684
517	565.821	11370.275	15747.7945	2686.46	1.53586	3.15256

*SUPERPOSED RATE-TIME SCHEDULE:

$SUM((Q(K)-Q(K-1))*LOG(T(J)-T(K-1)))$

LOG(DT) IS LOG BASE 10 OF CONSTANT RATE TRANSIENT TIMES

DRAWDOWN NO. 5 OF 05/20-26/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASD5A
WASP FILE: BF-D5

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
22	2. 226111	4274. 975	11037. 890	M	6939. 00
23	40. 62611	5370. 975	11285. 041	M	0. 00
55	41. 84278	5140. 975	11075. 103	M	4042. 01
81	43. 34278	4903. 975	10796. 743	M	7600. 00
87	44. 34278	4823. 975	10724. 127	M	9696. 00
91	45. 34278	4451. 975	10401. 905	M	10272. 00
96	46. 52056	4653. 975	10548. 178	M	14016. 00
97	196. 2428	5584. 975	11358. 176	M	0. 00
98	197. 6428	5234. 975	11208. 042	M	3646. 00
99	198. 2594	5334. 975	11258. 087	M	0. 00
100	198. 6094	5284. 975	11208. 042	M	3646. 00
101	378. 2733	5340. 975	11416. 257	M	0. 00
219	409. 1158	4972. 975	10968. 888	M	6448. 85
220	505. 1969	-15. 025	11396. 530	M	0. 00
224	505. 7897	5517. 975	11395. 849	M	1422. 84
352	531. 4761	5065. 975	10718. 872	M	8726. 50
353	565. 8206	5679. 975	11385. 300	M	0. 00
355	565. 8331	5640. 975	11330. 370	M	10398. 00
358	565. 8469	5475. 975	11215. 020	M	10398. 00
361	565. 8608	5325. 975	11092. 860	M	10398. 00
364	565. 8914	4911. 975	10764. 440	M	10398. 00
367	565. 9553	4812. 975	10655. 570	M	10398. 00
370	566. 0636	4793. 975	10613. 100	M	10398. 00
373	566. 2428	4801. 975	10586. 640	M	10398. 00
376	566. 5094	4797. 975	10557. 320	M	10954. 25
379	566. 8428	4834. 975	10550. 060	M	11288. 00
382	567. 3428	4836. 975	10534. 700	M	11288. 00
385	567. 9094	4827. 975	10519. 160	M	11288. 00
388	568. 5428	4828. 975	10510. 440	M	11243. 47
391	569. 0928	4821. 975	10502. 180	M	11147. 00
394	569. 7094	4806. 975	10495. 590	M	11147. 00
397	570. 3428	4798. 975	10489. 420	M	11147. 00
400	570. 9761	4803. 975	10483. 120	M	11109. 00
402	571. 4428	4793. 975	10478. 770	M	11109. 00
405	572. 1928	4789. 975	10473. 680	M	11109. 00

DRAWDOWN NO. 5 OF 05/20-26/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
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PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASD5A
WASP FILE: BF-D5

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
408	572.8094	4782.975	10468.900	M	11199.81
411	573.6761	4787.975	10462.370	M	11229.00
414	574.3428	4771.975	10458.980	M	11229.00
417	575.0761	4773.975	10455.280	M	11037.00
420	575.7261	4771.975	10452.580	M	11037.00
423	576.3428	4773.975	10449.720	M	11037.00
426	577.0094	4762.975	10447.630	M	11097.00
429	577.7428	4762.975	10445.260	M	11097.00
432	578.3428	4763.975	10443.530	M	11097.00
435	579.0428	4740.975	10441.290	M	11037.00
438	579.7094	4741.975	10437.720	M	11037.00
441	580.6594	4750.975	10448.470	M	10997.00
444	581.5761	4736.975	10431.820	M	10917.00
447	582.3428	4734.975	10429.930	M	10917.00
450	583.0428	4741.975	10428.060	M	11041.00
452	583.5094	4723.975	10426.850	M	11041.00
455	584.3428	4731.975	10424.860	M	11041.00
458	585.1094	4728.975	10423.630	M	11109.00
461	585.8594	4720.975	10421.720	M	11109.00
464	586.6094	4731.975	10420.410	M	11128.20
467	587.2594	4729.975	10418.050	M	11163.00
470	588.0094	4720.975	10416.600	M	11163.00
473	588.8594	4752.975	10414.810	M	11042.65
476	589.8594	4741.975	10413.030	M	10965.00
479	590.6094	4749.975	10411.480	M	10943.67
482	591.5928	4754.975	10409.680	M	10905.00
485	592.3428	4748.975	10407.110	M	10905.00
488	593.1094	4732.975	10405.340	M	11276.00
491	594.1094	4737.975	10403.140	M	11276.00
494	594.7928	4735.975	10397.950	M	11079.76
497	595.6761	4727.975	10393.460	M	10978.00
499	596.3428	4719.975	10392.580	M	10978.00
502	597.0928	4718.975	10391.160	M	11121.00
505	597.8428	4714.975	10390.230	M	11121.00
508	598.9928	4706.975	10389.120	M	11093.87

DRAWDOWN NO. 5 OF 05/20-26/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASDSA
WASP FILE: BF-D5

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW QSF RESBPD
511	600.3428	4705.975	10384.340	M	11073.00
514	601.8594	4701.975	10382.440	M	10966.00
517	603.3594	4693.975	10380.520	M	11046.66
520	604.8594	4690.975	10376.930	M	11066.40
523	606.3428	4683.975	10374.580	M	11031.00
526	607.7928	4688.975	10372.630	M	10904.00
529	609.3594	4673.975	10369.570	M	10982.52
532	610.8594	4675.975	10364.030	M	10988.14
535	612.3428	4694.975	10361.570	M	10918.00
538	613.8594	4682.975	10360.350	M	10702.00
541	615.4594	4689.975	10359.970	M	10910.68
544	616.7094	4696.975	10358.330	M	11001.00
547	618.3433	4689.975	10356.190	M	11017.66
549	619.3594	4682.975	10354.640	M	11049.00
552	620.8594	4671.975	10350.340	M	10974.94
555	622.3428	4681.975	10348.290	M	10834.00
558	623.7761	4676.975	10344.270	M	10822.00
561	625.3094	4667.975	10343.180	M	10784.17
564	626.8594	4651.975	10340.350	M	10838.00
567	628.3428	4654.975	10339.020	M	10990.00
570	629.8594	4645.975	10337.150	M	10822.00
573	631.3928	4648.975	10334.660	M	11043.18
576	632.8594	4647.975	10333.620	M	11111.18
579	634.3428	4643.975	10331.480	M	11049.00
582	635.8594	4633.975	10330.110	M	10905.00
585	637.3428	4663.975	10326.900	M	10985.90
588	638.8594	4665.975	10324.420	M	11025.00
591	640.3428	4661.975	10326.880	M	11025.00
594	641.7261	4663.975	10325.270	M	10989.00
597	643.3428	4655.975	10322.180	M	10833.74
599	644.3428	4655.975	10321.570	M	10738.00
602	645.9428	4650.975	10321.510	M	10929.00
605	647.3594	4647.975	10319.310	M	11023.73
608	648.8594	4643.975	10316.040	M	11040.68
611	650.3428	4656.975	10314.240	M	11002.00

DRAWDOWN NO. 5 OF 05/20-26/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASD5A
WASP FILE: BF-D5

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW QSF RESBPD
614	651. 8594	4629. 975	10311. 660	M	11085. 00
617	653. 3594	4626. 975	10310. 190	M	11052. 47
620	654. 8261	4615. 975	10308. 070	M	11044. 91
623	656. 3428	4623. 975	10305. 690	M	11061. 00
626	657. 9928	4619. 975	10304. 090	M	11121. 00
629	659. 3428	4619. 975	10301. 870	M	11103. 22
632	660. 7094	4636. 975	10300. 240	M	11132. 15
635	662. 3428	4643. 975	10297. 350	M	11228. 00
638	663. 6928	4637. 975	10295. 010	M	11145. 00
641	664. 9594	4629. 975	10291. 570	M	11063. 21
644	666. 3428	4632. 975	10289. 500	M	10977. 00
646	667. 2094	4626. 975	10290. 250	M	10894. 00
649	668. 7094	4613. 975	10276. 940	M	10894. 00
652	669. 8261	4613. 975	10275. 040	M	10894. 00
655	671. 3761	4601. 975	10273. 290	M	10925. 89
658	672. 8428	4607. 975	10271. 250	M	10762. 68
661	674. 3428	4603. 975	10269. 430	M	10416. 00
664	675. 8428	4588. 975	10267. 030	M	11049. 00
667	677. 3594	4588. 975	10264. 230	M	11065. 09
670	678. 8761	4569. 975	10261. 220	M	10921. 44
673	680. 3428	4578. 975	10257. 880	M	10642. 00
676	681. 8428	4576. 975	10256. 210	M	10822. 00
679	683. 3761	4567. 975	10254. 520	M	10770. 78
682	684. 8594	4591. 975	10253. 950	M	10793. 30
685	686. 3428	4593. 975	10252. 450	M	10786. 00
688	687. 8594	4591. 975	10252. 150	M	10870. 00
691	689. 3428	4555. 975	10251. 230	M	10700. 79
694	690. 7761	4601. 975	10250. 310	M	10619. 00
696	691. 3803	5305. 975	10871. 720	M	524. 97
699	691. 5803	4676. 975	10344. 600	M	10380. 00
702	692. 3428	4627. 975	10300. 490	M	10380. 00
705	693. 0428	4621. 975	10290. 390	M	10870. 00
708	693. 7928	4638. 975	10286. 570	M	10870. 00
711	694. 7094	4621. 975	10281. 760	M	10903. 60
714	695. 7261	4609. 975	10280. 240	M	10954. 00

DRAWDOWN NO. 5 OF 05/20-26/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: MASD5A
 WASP FILE: BF-D5

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SHORT TERM WELL TEST
 MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW QSF RESBPD
717	696. 7094	4613. 975	10277. 500	M	10882. 41
720	697. 8428	4604. 975	10273. 970	M	10762. 00
723	699. 3428	4604. 975	10272. 450	M	10810. 00
726	700. 8428	4604. 975	10268. 310	M	10882. 00
729	702. 3428	4604. 975	10265. 180	M	10978. 00
732	703. 8428	4604. 975	10261. 570	M	10798. 00
735	705. 3428	4604. 975	10259. 930	M	10885. 33
738	706. 8428	4604. 975	10255. 140	M	10873. 33
741	708. 3428	4604. 975	10251. 470	M	10762. 00
744	709. 8372	4604. 975	10247. 650	M	10762. 00

* M - MEASURED
 C - CALCULATED

DRAWDOWN NO. 5 OF 05/20-26/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASD5A
WASP FILE: BF-D5

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE (MPW) PSI/CP*80	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*80 PER CYCLE
22	2.22611	11022.865	14992.9940	2411.62	0.00000	0.00000
23	40.6261	11270.016	15526.7378	169.82	0.00000	0.00000
55	41.8428	11060.078	15072.3570	509.01	0.00000	0.00000
81	43.3428	10781.718	14487.1558	2539.80	0.00000	0.00000
87	44.3428	10709.102	14337.6604	3875.64	0.00000	0.00000
91	45.3428	10386.880	13689.6814	5441.28	0.00000	0.00000
96	46.5206	10533.153	13980.7487	7159.09	0.00000	0.00000
97	196.243	11343.151	15686.4000	185.17	0.00000	0.00000
98	197.643	11193.017	15358.7621	716.33	0.00000	0.00000
99	198.259	11243.062	15467.7608	2059.02	0.00000	0.00000
100	198.609	11193.017	15358.7621	-62.09	0.00000	0.00000
101	378.273	11401.232	15817.6000	101.72	0.00000	0.00000
219	409.116	10953.863	14846.7655	9695.63	0.00000	0.00000
220	505.197	11381.505	15779.2000	851.73	0.00000	0.00000
224	505.790	11380.824	15769.6000	524.32	0.00000	0.00000
352	531.476	10703.847	14326.8924	13013.41	0.00000	0.00000
353	565.821	11370.275	15747.2000	2688.94	0.00000	0.00000
355	565.833	11315.345	15622.4000	-17099.98	-1.90309	2.09621
358	565.847	11199.995	15373.9216	-13726.41	-1.57858	2.57203
361	565.861	11077.835	15110.3508	-11817.58	-1.39493	2.80404
364	565.891	10749.415	14420.4936	-9269.82	-1.14976	3.12277
367	565.955	10640.545	14197.7022	-6369.90	-0.87056	3.19019
370	566.064	10598.075	14111.5722	-3710.66	-0.61429	3.21368
373	566.243	10571.615	14058.1308	-1225.75	-0.37446	3.22765
376	566.509	10542.295	13999.1096	652.52	-0.16185	3.24256
379	566.843	10535.035	13984.5271	2455.18	0.00955	3.24617
382	567.343	10519.675	13953.7163	4508.71	0.18248	3.25370
385	567.909	10504.135	13922.6018	6086.93	0.31992	3.26117
388	568.543	10495.415	13905.1677	7394.69	0.43492	3.26530
391	569.093	10487.155	13888.6700	8300.72	0.51484	3.26917
394	569.709	10480.565	13875.5194	9092.36	0.58983	3.27223
397	570.343	10474.395	13863.2163	9789.61	0.65535	3.27508

DRAWDOWN NO. 5 OF 05/20-26/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: MASDSA
 WASP FILE: BF-D5

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SHORT TERM WELL TEST
 PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
400	570.976	10468.095	13850.6634	10402.65	0.71228	3.27796
402	571.443	10463.745	13842.0013	10793.00	0.74991	3.27994
405	572.193	10458.655	13831.8715	11359.98	0.80429	3.28224
408	572.809	10453.875	13822.3642	11759.17	0.84441	3.28439
411	573.676	10447.345	13809.3849	12320.17	0.89518	3.28731
414	574.343	10443.955	13802.6508	12708.99	0.93055	3.28882
417	575.076	10440.255	13795.3040	13122.15	0.96640	3.29046
420	575.726	10437.555	13789.9449	13384.38	0.99588	3.29165
423	576.343	10434.695	13784.2700	13632.13	1.02211	3.29290
426	577.009	10432.605	13780.1243	13879.24	1.04879	3.29382
429	577.743	10430.235	13775.4243	14167.86	1.07636	3.29486
432	578.343	10428.505	13771.9944	14386.58	1.09768	3.29561
435	579.043	10426.265	13767.5544	14636.31	1.12130	3.29659
438	579.709	10422.695	13760.4807	14835.29	1.14267	3.29814
441	580.659	10433.445	13781.7904	15112.37	1.17140	3.29345
444	581.576	10416.795	13748.7967	15356.72	1.19743	3.30068
447	582.343	10414.905	13745.0556	15530.97	1.21807	3.30150
450	583.043	10413.035	13741.3549	15671.67	1.23609	3.30230
452	583.509	10411.825	13738.9608	15804.20	1.24770	3.30282
455	584.343	10409.835	13735.0242	16016.30	1.26769	3.30367
458	585.109	10408.605	13732.5914	16188.83	1.28531	3.30419
461	585.859	10406.695	13728.8144	16376.03	1.30187	3.30500
464	586.609	10405.385	13726.2244	16544.97	1.31783	3.30556
467	587.259	10403.025	13721.5595	16683.99	1.33120	3.30656
470	588.009	10401.575	13718.6940	16853.71	1.34614	3.30718
473	588.859	10399.785	13715.1572	17039.29	1.36246	3.30793
476	589.859	10398.005	13711.6410	17193.86	1.38091	3.30868
479	590.609	10396.455	13708.5797	17299.00	1.39426	3.30934
482	591.593	10394.655	13705.0254	17434.18	1.41115	3.31009
485	592.343	10392.085	13699.9519	17530.91	1.42361	3.31117
488	593.109	10390.315	13696.4587	17590.43	1.43599	3.31191
491	594.109	10388.115	13692.1178	17858.91	1.45162	3.31283

DRAWDOWN NO. 5 OF 05/20-26/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASD5A
WASP FILE: BF-D5

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
494	594.793	10382.925	13681.8818	18034.76	1.46198	3.31499
497	595.676	10378.435	13673.0314	18134.71	1.47503	3.31684
499	596.343	10377.555	13671.2974	18194.80	1.48462	3.31721
502	597.093	10376.135	13668.4997	18257.39	1.49516	3.31779
505	597.843	10375.205	13666.6676	18385.59	1.50545	3.31817
508	598.993	10374.095	13664.4812	18552.21	1.52077	3.31863
511	600.343	10369.315	13655.0694	18720.94	1.53810	3.32059
514	601.859	10367.415	13651.3297	18879.29	1.55677	3.32136
517	603.359	10365.495	13647.5516	19032.05	1.57448	3.32215
520	604.859	10361.905	13640.4896	19205.33	1.59150	3.32360
523	606.343	10359.555	13635.8685	19362.52	1.60769	3.32456
526	607.793	10357.605	13632.0349	19482.22	1.62296	3.32534
529	609.359	10354.545	13626.0210	19606.22	1.63888	3.32658
532	610.859	10349.005	13615.1385	19746.63	1.65359	3.32880
535	612.343	10346.545	13610.3086	19867.31	1.66766	3.32978
538	613.859	10345.325	13607.9138	19937.33	1.68159	3.33027
541	615.459	10344.945	13607.1679	20032.61	1.69582	3.33042
544	616.709	10343.305	13603.9493	20155.95	1.70662	3.33107
547	618.343	10341.165	13599.7505	20324.83	1.72035	3.33192
549	619.359	10339.615	13596.7099	20418.51	1.72867	3.33254
552	620.859	10335.315	13588.2776	20545.38	1.74067	3.33424
555	622.343	10333.265	13584.2592	20624.02	1.75222	3.33504
558	623.776	10329.245	13576.3819	20681.83	1.76310	3.33662
561	625.309	10328.155	13574.2466	20751.77	1.77444	3.33705
564	626.859	10325.325	13568.7041	20835.53	1.78561	3.33816
567	628.343	10323.995	13566.1000	20954.44	1.79603	3.33868
570	629.859	10322.125	13562.4393	21061.41	1.80644	3.33940
573	631.393	10319.635	13557.5661	21168.63	1.81672	3.34037
576	632.859	10318.595	13555.5311	21318.75	1.82633	3.34077
579	634.343	10316.455	13551.3446	21445.23	1.83583	3.34160
582	635.859	10315.085	13548.6650	21520.66	1.84534	3.34213
585	637.343	10311.875	13542.3883	21588.90	1.85444	3.34337

DRAWDOWN NO. 5 OF 05/20-26/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASD5A
WASP FILE: BF-D5

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
588	638.859	10309.395	13537.5406	21690.97	1.86355	3.34433
591	640.343	10311.855	13542.3492	21789.59	1.87229	3.34338
594	641.726	10310.245	13539.2019	21869.59	1.88027	3.34400
597	643.343	10307.155	13533.1632	21920.00	1.88943	3.34518
599	644.343	10306.545	13531.9714	21939.95	1.89499	3.34542
602	645.943	10306.485	13531.8542	21990.54	1.90375	3.34544
605	647.359	10304.285	13527.5565	22092.87	1.91136	3.34628
608	648.859	10301.015	13521.1707	22206.09	1.91928	3.34753
611	650.343	10299.215	13517.6566	22296.44	1.92697	3.34822
614	651.859	10296.635	13512.6211	22388.92	1.93469	3.34920
617	653.359	10295.165	13509.7527	22484.04	1.94220	3.34975
620	654.826	10293.045	13505.6169	22560.19	1.94942	3.35055
623	656.343	10290.665	13500.9751	22638.98	1.95676	3.35145
626	657.993	10289.065	13497.8553	22738.28	1.96460	3.35206
629	659.343	10286.845	13493.5276	22818.94	1.97091	3.35289
632	660.709	10285.215	13490.3508	22893.53	1.97722	3.35350
635	662.343	10282.325	13484.7198	23005.62	1.98463	3.35458
638	663.693	10279.985	13480.1618	23090.04	1.99066	3.35546
641	664.959	10276.545	13473.4635	23135.68	1.99624	3.35674
644	666.343	10274.475	13469.4342	23160.52	2.00226	3.35751
646	667.209	10275.225	13470.8940	23177.17	2.00599	3.35723
649	668.709	10261.915	13445.0071	23177.40	2.01237	3.36214
652	669.826	10260.015	13441.3151	23196.60	2.01706	3.36284
655	671.376	10258.265	13437.9153	23239.39	2.02348	3.36348
658	672.843	10256.225	13433.9531	23261.81	2.02947	3.36422
661	674.343	10254.405	13430.4189	23200.78	2.03552	3.36488
664	675.843	10252.005	13425.7597	23229.07	2.04148	3.36576
667	677.359	10249.205	13420.3256	23392.71	2.04743	3.36677
670	678.876	10246.195	13414.4859	23475.00	2.05329	3.36786
673	680.343	10242.855	13408.0085	23470.05	2.05889	3.36907
676	681.843	10241.185	13404.7708	23466.12	2.06454	3.36967
679	683.376	10239.495	13401.4949	23513.31	2.07024	3.37027

DRAWDOWN NO. 5 OF 05/20-26/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASD5A
WASP FILE: BF-D5

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BD	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BD PER CYCLE
682	684.859	10238.925	13400.3902	23549.14	2.07569	3.37048
685	686.343	10237.425	13397.4834	23591.21	2.08107	3.37102
688	687.859	10237.125	13396.9021	23647.69	2.08650	3.37112
691	689.343	10236.205	13395.1196	23684.89	2.09175	3.37145
694	690.776	10235.285	13393.3372	23676.99	2.09676	3.37178
696	691.380	10856.695	14642.8766	25881.40	2.09885	3.04310
699	691.580	10329.575	13577.0284	17739.17	2.09954	3.33649
702	692.343	10285.465	13490.8380	21542.84	2.10217	3.35341
705	693.043	10275.365	13471.1665	22192.71	2.10456	3.35718
708	693.793	10271.545	13463.7326	22696.88	2.10712	3.35859
711	694.709	10266.735	13454.3769	23028.13	2.11022	3.36037
714	695.726	10265.215	13451.4215	23264.86	2.11363	3.36093
717	696.709	10262.475	13446.0954	23436.90	2.11690	3.36194
720	697.843	10258.945	13439.2363	23551.08	2.12065	3.36323
723	699.343	10257.425	13436.2837	23643.44	2.12555	3.36378
726	700.843	10253.285	13428.2444	23750.58	2.13041	3.36529
729	702.343	10250.155	13422.1691	23869.54	2.13520	3.36643
732	703.843	10246.545	13415.1648	23950.85	2.13995	3.36774
735	705.343	10244.905	13411.9839	24003.11	2.14464	3.36833
738	706.843	10240.115	13402.6966	24075.13	2.14929	3.37005
741	708.343	10236.445	13395.5846	24116.86	2.15388	3.37137
744	709.837	10232.625	13388.1851	24141.29	2.15841	3.37273

*SUPERPOSED RATE-TIME SCHEDULE:

$SUM((Q(K)-Q(K-1))*LOG(T(J)-T(K-1)))$

LOG(DT) IS LOG BASE 10 OF CONSTANT RATE TRANSIENT TIMES

BUILDUP NO. 5 OF 05/26-06/02/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MASB5A
WASP FILE: BF-B5

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW QSF RESBPD
22	2. 226111	4274. 975	11037. 890	M	6939. 00
23	40. 62611	5370. 975	11285. 041	M	0. 00
45	41. 28028	5190. 975	11103. 618	M	4831. 49
46	41. 45333	5378. 975	11280. 987	M	0. 00
55	41. 84278	5140. 975	11075. 103	M	4512. 00
81	43. 34278	4903. 975	10796. 743	M	7600. 00
87	44. 34278	4823. 975	10724. 127	M	9696. 00
91	45. 34278	4451. 975	10401. 905	M	10272. 00
96	46. 52056	4653. 975	10548. 178	M	14016. 00
97	196. 2428	5584. 975	11358. 176	M	0. 00
98	197. 6428	5234. 975	11208. 042	M	3646. 00
99	198. 2594	5334. 975	11258. 087	M	0. 00
100	198. 6094	5284. 975	11208. 042	M	3646. 00
101	378. 2733	5340. 975	11416. 257	M	0. 00
219	409. 1158	4972. 975	10968. 888	M	6448. 85
220	505. 1969	--	11396. 530	M	0. 00
224	505. 7897	5517. 975	11395. 849	M	1422. 84
352	531. 4761	5065. 975	10718. 872	M	8726. 50
353	565. 8206	5679. 975	11385. 300	M	0. 00
744	709. 8372	4604. 975	10247. 650	M	10914. 19
746	709. 8400	5062. 975	10603. 580	M	0. 00
749	709. 8472	5367. 975	10856. 050	M	0. 00
751	709. 8561	5462. 975	10948. 310	M	0. 00
754	709. 8739	5531. 975	11023. 330	M	0. 00
756	709. 8856	5557. 975	11049. 210	M	0. 00
759	709. 9167	5591. 975	11087. 230	M	0. 00
761	709. 9442	5614. 975	11106. 060	M	0. 00
764	709. 9942	5634. 975	11127. 130	M	0. 00
766	710. 0456	5640. 975	11140. 950	M	0. 00
769	710. 1636	5652. 975	11160. 860	M	0. 00
772	710. 3428	5651. 975	11178. 630	M	0. 00
774	710. 5928	5649. 975	11194. 040	M	0. 00
777	711. 1594	5660. 975	11213. 970	M	0. 00
779	711. 6094	5662. 975	11223. 330	M	0. 00
782	712. 3428	5667. 975	11233. 400	M	0. 00

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DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
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PARC PERDUE FIELD
VERMILION PARISH, LA.

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
784	712.9261	5675.975	11238.830	M	0.00
787	713.5761	5588.975	11236.930	M	0.00
789	714.1261	5688.975	11246.570	M	0.00
792	714.9094	5678.975	11249.950	M	0.00
795	715.6261	5676.975	11252.520	M	0.00
797	715.9761	5672.975	11253.630	M	0.00
800	716.5428	5670.975	11255.240	M	0.00
802	717.0928	5674.975	11256.660	M	0.00
805	717.8094	5673.975	11258.310	M	0.00
807	718.3428	5674.975	11259.430	M	0.00
810	719.1094	5665.975	11260.860	M	0.00
812	719.6094	5669.975	11261.730	M	0.00
815	720.3594	5658.975	11262.920	M	0.00
818	721.1261	5653.975	11264.060	M	0.00
820	721.6261	5644.975	11264.720	M	0.00
823	722.3761	5639.975	11265.670	M	0.00
825	722.8761	5622.975	11266.260	M	0.00
828	723.6261	5619.975	11267.060	M	0.00
830	724.1261	5613.975	11267.590	M	0.00
833	724.8761	5617.975	11268.290	M	0.00
835	725.3761	5604.975	11268.730	M	0.00
838	726.1261	5606.975	11269.350	M	0.00
841	726.8761	5607.975	11269.940	M	0.00
843	727.3761	5611.975	11270.220	M	0.00
846	728.1261	5604.975	11270.640	M	0.00
848	728.5594	5620.975	11270.270	M	0.00
851	729.1094	5605.975	11271.660	M	0.00
853	729.6094	5604.975	11271.890	M	0.00
856	730.3594	5607.975	11272.210	M	0.00
858	730.8594	5610.975	11272.400	M	0.00
861	731.6094	5602.975	11272.690	M	0.00
864	732.3428	5605.975	11272.960	M	0.00
866	732.8594	5613.975	11273.160	M	0.00
869	733.6094	5615.975	11273.460	M	0.00
871	734.1094	5620.975	11273.650	M	0.00

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 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
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 VERMILION PARISH, LA.

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SHORT TERM WELL TEST
 MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
874	734.8594	5638.975	11273.950	M	0.00
876	735.3594	5645.975	11274.110	M	0.00
879	736.1094	5639.975	11274.350	M	0.00
881	736.6094	5637.975	11274.520	M	0.00
884	737.3594	5641.975	11274.740	M	0.00
887	738.0928	5654.975	11274.950	M	0.00
889	738.5928	5642.975	11275.080	M	0.00
892	739.3428	5642.975	11275.270	M	0.00
894	739.8428	5640.975	11275.400	M	0.00
897	740.8428	5644.975	11275.640	M	0.00
899	741.8428	5645.975	11275.870	M	0.00
902	743.3428	5636.975	11276.220	M	0.00
904	744.3428	5633.975	11276.440	M	0.00
907	745.8428	5613.975	11276.760	M	0.00
910	747.3428	5595.975	11277.070	M	0.00
912	748.3428	5588.975	11277.270	M	0.00
915	749.8428	5590.975	11277.560	M	0.00
917	750.8428	5591.975	11277.730	M	0.00
920	752.3428	5589.975	11277.970	M	0.00
922	753.3428	5590.975	11278.140	M	0.00
925	754.8428	5589.975	11278.370	M	0.00
927	755.8428	5591.975	11278.530	M	0.00
930	757.3428	5603.975	11278.750	M	0.00
932	758.3428	5611.975	11278.900	M	0.00
935	759.8428	5620.975	11279.110	M	0.00
938	761.3428	5624.975	11279.310	M	0.00
940	762.3428	5629.975	11279.430	M	0.00
943	763.8428	5633.975	11279.610	M	0.00
945	764.8428	5629.975	11279.710	M	0.00
948	766.3428	5625.975	11279.870	M	0.00
950	767.3428	5623.975	11279.990	M	0.00
953	768.8428	5617.975	11280.140	M	0.00
955	769.8428	5595.975	11280.260	M	0.00
958	771.3428	5587.975	11280.410	M	0.00
961	772.8428	5590.975	11280.570	M	0.00

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 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
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SHORT TERM WELL TEST
 MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW QSF RESBPD
963	773. 3428	5582. 975	11280. 680	M	0. 00
966	775. 3428	5586. 975	11280. 820	M	0. 00
968	776. 3428	5593. 975	11280. 910	M	0. 00
971	777. 3428	5586. 975	11281. 020	M	0. 00
973	778. 3428	5575. 975	11281. 130	M	0. 00
976	780. 3428	5585. 975	11281. 250	M	0. 00
978	781. 3428	5585. 975	11281. 340	M	0. 00
981	783. 3428	5608. 975	11281. 490	M	0. 00
984	786. 3428	5613. 975	11281. 720	M	0. 00
986	788. 3428	5617. 975	11281. 850	M	0. 00
989	791. 3428	5616. 975	11282. 030	M	0. 00
991	793. 3428	5607. 975	11282. 160	M	0. 00
994	796. 3428	5563. 975	11282. 350	M	0. 00
996	798. 3428	5569. 975	11282. 480	M	0. 00
999	801. 3428	5563. 975	11282. 660	M	0. 00
1001	803. 3428	5565. 975	11282. 760	M	0. 00
1004	806. 3428	5583. 975	11282. 900	M	0. 00
1007	809. 3428	5603. 975	11283. 060	M	0. 00
1009	811. 3428	5611. 975	11283. 140	M	0. 00
1012	814. 3428	5615. 975	11283. 260	M	0. 00
1014	816. 3428	5595. 975	11283. 340	M	0. 00
1017	819. 3428	5564. 975	11283. 460	M	0. 00
1019	821. 3428	5571. 975	11283. 550	M	0. 00
1022	824. 3428	5578. 975	11283. 670	M	0. 00
1024	826. 3428	5564. 975	11283. 750	M	0. 00
1027	829. 3428	5580. 975	11283. 830	M	0. 00
1030	832. 3428	5595. 975	11283. 940	M	0. 00
1032	834. 3428	5594. 975	11283. 990	M	0. 00
1035	837. 3428	5614. 975	11284. 080	M	0. 00
1037	839. 3428	5606. 975	11284. 140	M	0. 00
1040	842. 3428	5582. 975	11284. 200	M	0. 00
1042	844. 3428	5561. 975	11284. 260	M	0. 00
1045	847. 3428	5565. 975	11284. 340	M	0. 00
1047	849. 3428	5562. 975	11284. 400	M	0. 00
1050	852. 3428	5560. 975	11284. 470	M	0. 00

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DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
1053	856. 8108	5552. 975	11283. 390	M	0. 00
1055	858. 3428	5595. 975	11284. 680	M	0. 00
1058	861. 3428	5594. 975	11284. 510	M	0. 00
1060	863. 3428	5597. 975	11284. 680	M	0. 00
1063	866. 6428	5512. 975	11284. 560	M	0. 00
1065	868. 6428	5518. 975	11284. 470	M	0. 00
1068	871. 6428	5509. 975	11284. 460	M	0. 00
1070	873. 6428	5520. 975	11284. 470	M	0. 00
1073	876. 6594	5514. 975	11284. 650	M	0. 00
1076	880. 2594	5585. 975	11284. 480	M	0. 00

* M - MEASURED
C - CALCULATED

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DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE (MPW) PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
22	2. 22611	11022. 865	14992. 9940	2411. 62	0. 00000	0. 00000
23	40. 6261	11270. 016	15526. 7378	169. 82	0. 00000	0. 00000
45	41. 2803	11088. 593	15133. 4093	-723. 44	0. 00000	0. 00000
46	41. 4533	11265. 962	15517. 8561	3449. 03	0. 00000	0. 00000
55	41. 8428	11060. 078	15072. 3570	-64. 37	0. 00000	0. 00000
81	43. 3428	10781. 718	14487. 1558	2527. 53	0. 00000	0. 00000
87	44. 3428	10709. 102	14337. 6604	3869. 46	0. 00000	0. 00000
91	45. 3428	10386. 880	13689. 6814	5437. 59	0. 00000	0. 00000
96	46. 5206	10533. 153	13980. 7487	7156. 80	0. 00000	0. 00000
97	196. 243	11343. 151	15686. 4000	185. 17	0. 00000	0. 00000
98	197. 643	11193. 017	15358. 7621	716. 33	0. 00000	0. 00000
99	198. 259	11243. 062	15467. 7608	2059. 01	0. 00000	0. 00000
100	198. 609	11193. 017	15358. 7621	-62. 10	0. 00000	0. 00000
101	378. 273	11401. 232	15817. 6000	101. 72	0. 00000	0. 00000
219	409. 116	10953. 863	14846. 7655	9695. 63	0. 00000	0. 00000
220	505. 197	11381. 505	15779. 2000	851. 73	0. 00000	0. 00000
224	505. 790	11380. 824	15769. 6000	524. 32	0. 00000	0. 00000
352	531. 476	10703. 847	14326. 8924	13013. 41	0. 00000	0. 00000
353	565. 821	11370. 275	15747. 2000	2688. 94	0. 00000	0. 00000
744	709. 837	10232. 625	13388. 1851	24391. 73	0. 00000	0. 00000
746	709. 840	10588. 555	14092. 3252	52291. 73	-2. 55630	2. 84766
749	709. 847	10841. 025	14610. 2163	46220. 36	-2. 00000	3. 08708
751	709. 856	10933. 285	14803. 3897	43206. 06	-1. 72379	3. 15082
754	709. 874	11008. 305	14962. 0392	40062. 59	-1. 43573	3. 19696
756	709. 886	11034. 185	15017. 0992	38753. 50	-1. 31575	3. 21190
759	709. 917	11072. 205	15098. 2959	36398. 95	-1. 09994	3. 23302
761	709. 944	11091. 035	15138. 6463	34990. 79	-0. 97084	3. 24315
764	709. 994	11112. 105	15183. 9042	33174. 09	-0. 80425	3. 25424
766	710. 046	11125. 925	15213. 6511	31833. 01	-0. 68124	3. 26137
769	710. 164	11145. 835	15256. 5927	29708. 46	-0. 48626	3. 27147
772	710. 343	11163. 605	15295. 0051	27639. 63	-0. 29623	3. 28031
774	710. 593	11179. 015	15328. 3819	25742. 43	-0. 12173	3. 28785

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DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*80	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*80 PER CYCLE
777	711.159	11198.945	15371.6398	23106.35	0.12130	3.29742
779	711.609	11208.305	15391.9911	21730.96	0.24852	3.30186
782	712.343	11218.375	15413.9115	20110.80	0.39890	3.30658
784	712.926	11223.805	15425.7425	19135.50	0.48980	3.30911
787	713.576	11221.905	15421.6018	18248.89	0.57274	3.30823
789	714.126	11231.545	15442.6198	17614.07	0.63234	3.31269
792	714.909	11234.925	15449.9949	16841.18	0.70520	3.31425
795	715.626	11237.495	15455.6045	16235.00	0.76260	3.31543
797	715.976	11238.605	15458.0279	15966.61	0.78809	3.31594
800	716.543	11240.215	15461.5435	15564.03	0.82643	3.31667
802	717.093	11241.635	15464.6448	15205.76	0.86067	3.31732
805	717.809	11243.285	15468.2490	14779.26	0.90158	3.31808
807	718.343	11244.405	15470.6959	14487.13	0.92970	3.31859
810	719.109	11245.835	15473.8206	14099.26	0.96718	3.31924
812	719.609	11246.705	15475.7218	13864.08	0.98999	3.31963
815	720.359	11247.895	15478.3228	13534.16	1.02211	3.32017
818	721.126	11249.035	15480.8147	13221.75	1.05265	3.32069
820	721.626	11249.695	15482.2576	13029.93	1.07147	3.32099
823	722.376	11250.645	15484.3347	12757.90	1.09826	3.32142
825	722.876	11251.235	15485.6248	12586.06	1.11524	3.32169
828	723.626	11252.035	15487.3742	12341.15	1.13953	3.32205
830	724.126	11252.565	15488.5333	12185.71	1.15500	3.32229
833	724.876	11253.265	15490.0643	11963.25	1.17722	3.32261
835	725.376	11253.705	15491.0266	11821.52	1.19142	3.32281
838	726.126	11254.325	15492.3828	11617.96	1.21189	3.32309
841	726.876	11254.915	15493.6735	11424.37	1.23144	3.32335
843	727.376	11255.195	15494.2860	11300.42	1.24400	3.32348
846	728.126	11255.615	15495.2049	11121.58	1.26219	3.32367
848	728.559	11255.245	15494.3954	11021.89	1.27236	3.32350
851	729.109	11256.635	15497.4366	10898.96	1.28493	3.32413
853	729.609	11256.865	15497.9399	10790.52	1.29606	3.32423
856	730.359	11257.185	15498.6401	10633.43	1.31222	3.32438

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 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
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SHORT TERM WELL TEST
 PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*80	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*80 PER CYCLE
858	730.859	11257.375	15499.0559	10532.21	1.32268	3.32446
861	731.609	11257.665	15499.6905	10385.29	1.33790	3.32459
864	732.343	11257.935	15500.2813	10247.00	1.35229	3.32471
866	732.859	11258.135	15500.7190	10152.57	1.36215	3.32480
869	733.609	11258.435	15501.3756	10019.64	1.37607	3.32494
871	734.109	11258.625	15501.7914	9933.61	1.38511	3.32502
874	734.859	11258.925	15502.4480	9808.25	1.39833	3.32516
876	735.359	11259.085	15502.7982	9727.02	1.40692	3.32523
879	736.109	11259.325	15503.3235	9608.49	1.41950	3.32534
881	736.609	11259.495	15503.6956	9531.59	1.42768	3.32542
884	737.359	11259.715	15504.1771	9419.26	1.43968	3.32551
887	738.093	11259.925	15504.6368	9312.75	1.45110	3.32561
889	738.593	11260.055	15504.9214	9241.93	1.45872	3.32567
892	739.343	11260.245	15505.3373	9138.31	1.46990	3.32575
894	739.843	11260.375	15505.6218	9070.90	1.47720	3.32581
897	740.843	11260.615	15506.1472	8939.88	1.49144	3.32592
899	741.843	11260.845	15506.6507	8813.66	1.50523	3.32602
902	743.343	11261.195	15507.4170	8632.68	1.52512	3.32618
904	744.343	11261.415	15507.8986	8517.21	1.53789	3.32628
907	745.843	11261.735	15508.5992	8351.15	1.55637	3.32642
910	747.343	11262.045	15509.2779	8193.04	1.57410	3.32656
912	748.343	11262.245	15509.7158	8091.73	1.58552	3.32665
915	749.843	11262.535	15510.3508	7945.49	1.60212	3.32678
917	750.843	11262.705	15510.7231	7851.58	1.61284	3.32686
920	752.343	11262.945	15511.2486	7715.74	1.62845	3.32696
922	753.343	11263.115	15511.6208	7628.34	1.63854	3.32704
925	754.843	11263.345	15512.1245	7501.68	1.65327	3.32714
927	755.843	11263.505	15512.4749	7420.05	1.66281	3.32721
930	757.343	11263.725	15512.9567	7301.56	1.67674	3.32731
932	758.343	11263.875	15513.2851	7225.07	1.68579	3.32738
935	759.843	11264.085	15513.7450	7113.89	1.69902	3.32747
938	761.343	11264.285	15514.1831	7006.73	1.71185	3.32756

BUILDUP NO. 5 OF 05/26-06/02/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: MASB5A
 WASP FILE: BF-B5

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SHORT TERM WELL TEST
 PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
940	762.343	11264.405	15514.4459	6937.40	1.72021	3.32762
943	763.843	11264.585	15514.8401	6836.42	1.73244	3.32770
945	764.843	11264.685	15515.0591	6771.02	1.74041	3.32774
948	766.343	11264.845	15515.4095	6675.64	1.75209	3.32781
950	767.343	11264.965	15515.6724	6613.79	1.75971	3.32787
953	768.843	11265.115	15516.0009	6523.51	1.77089	3.32793
955	769.843	11265.235	15516.2638	6464.90	1.77819	3.32799
958	771.343	11265.385	15516.5923	6379.27	1.78891	3.32805
961	772.843	11265.545	15516.9428	6296.24	1.79938	3.32813
963	773.843	11265.655	15517.1837	6242.27	1.80622	3.32818
966	775.343	11265.795	15517.4904	6163.29	1.81628	3.32824
968	776.343	11265.885	15517.6875	6111.91	1.82286	3.32828
971	777.843	11265.995	15517.9285	6036.67	1.83254	3.32833
973	778.843	11266.105	15518.1694	5987.69	1.83888	3.32838
976	780.343	11266.225	15518.4323	5915.89	1.84822	3.32843
978	781.343	11266.315	15518.6295	5869.12	1.85434	3.32847
981	783.343	11266.465	15518.9581	5778.06	1.86632	3.32854
984	786.343	11266.695	15519.4619	5647.35	1.88369	3.32864
986	788.343	11266.825	15519.7467	5563.88	1.89490	3.32870
989	791.343	11267.005	15520.1410	5443.77	1.91119	3.32878
991	793.343	11267.135	15520.4258	5366.90	1.92172	3.32884
994	796.343	11267.325	15520.8421	5256.05	1.93704	3.32892
996	798.343	11267.455	15521.1269	5184.95	1.94697	3.32898
999	801.343	11267.635	15521.5213	5082.25	1.96145	3.32906
1001	803.343	11267.735	15521.7404	5016.27	1.97084	3.32910
1004	806.343	11267.875	15522.0471	4920.78	1.98455	3.32917
1007	809.343	11268.035	15522.3977	4829.24	1.99785	3.32924
1009	811.343	11268.115	15522.5730	4770.27	2.00649	3.32927
1012	814.343	11268.235	15522.8359	4684.74	2.01914	3.32933
1014	816.343	11268.315	15523.0112	4629.57	2.02737	3.32936
1017	819.343	11268.435	15523.2741	4549.44	2.03944	3.32942
1019	821.343	11268.525	15523.4713	4497.68	2.04730	3.32946

BUILDUP NO. 5 OF 05/26-06/02/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: MASB5A
 WASP FILE: BF-B5

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SHORT TERM WELL TEST
 PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
1022	824.343	11268.645	15523.7343	4422.42	2.05883	3.32951
1024	826.343	11268.725	15523.9096	4373.76	2.06635	3.32955
1027	829.343	11268.805	15524.0849	4302.91	2.07739	3.32958
1030	832.343	11268.915	15524.3259	4234.51	2.08816	3.32963
1032	834.343	11268.965	15524.4355	4190.21	2.09519	3.32965
1035	837.343	11269.055	15524.6327	4125.62	2.10553	3.32969
1037	839.343	11269.115	15524.7642	4083.74	2.11229	3.32972
1040	842.343	11269.175	15524.8957	4022.61	2.12223	3.32975
1042	844.343	11269.235	15525.0272	3982.94	2.12874	3.32977
1045	847.343	11269.315	15525.2025	3925.00	2.13832	3.32981
1047	849.343	11269.375	15525.3339	3887.37	2.14459	3.32983
1050	852.343	11269.445	15525.4873	3832.36	2.15383	3.32987
1053	856.811	11268.365	15523.1208	3753.45	2.16724	3.32938
1055	858.343	11269.655	15525.9476	3727.20	2.17174	3.32996
1058	861.343	11269.485	15525.5750	3676.90	2.18043	3.32988
1060	863.343	11269.655	15525.9476	3644.16	2.18612	3.32996
1063	866.643	11269.535	15525.6846	3591.49	2.19536	3.32991
1065	868.643	11269.445	15525.4873	3560.35	2.20087	3.32987
1068	871.643	11269.435	15525.4654	3514.71	2.20899	3.32986
1070	873.643	11269.445	15525.4873	3484.96	2.21433	3.32987
1073	876.659	11269.625	15525.8818	3441.10	2.22225	3.32995
1076	880.259	11269.455	15525.5093	3390.26	2.23153	3.32987

*SUPERPOSED RATE-TIME SCHEDULE:

SUM((Q(K)-Q(K-1))*LOG(T(J)-T(K-1)))

LOG(DT) IS LOG BASE 10 OF CONSTANT RATE TRANSIENT TIMES

PRODUCTION TEST OF 6/2 - 28/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO.1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MD7&8
WASP FILE: BF-D78

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW QSF RESBPD
22	2. 226111	4274. 975	11037. 890	M	6939. 00
23	40. 62611	5370. 975	11285. 041	M	0. 00
45	41. 28028	5190. 975	11103. 618	M	4831. 49
46	41. 45333	5378. 975	11280. 987	M	0. 00
55	41. 84278	5140. 975	11075. 103	M	4512. 00
81	43. 34278	4903. 975	10796. 743	M	7600. 00
87	44. 34278	4823. 975	10724. 127	M	9696. 00
91	45. 34278	4451. 975	10401. 905	M	10272. 00
96	46. 52056	4653. 975	10548. 178	M	14016. 00
97	196. 2428	5584. 975	11358. 176	M	0. 00
98	197. 6428	5234. 975	11208. 042	M	3646. 00
99	198. 2594	5334. 975	11258. 087	M	0. 00
100	198. 6094	5284. 975	11208. 042	M	3646. 00
101	378. 2733	5340. 975	11416. 257	M	0. 00
219	409. 1158	4972. 975	10968. 888	M	6448. 85
220	505. 1969	--	11396. 530	M	0. 00
224	505. 7897	5517. 975	11395. 849	M	1422. 84
352	531. 4761	5065. 975	10718. 872	M	8726. 50
353	565. 8206	5679. 975	11385. 300	M	0. 00
744	709. 8372	4604. 975	10247. 650	M	10914. 19
745	886. 1281	5591. 975	11284. 500	M	0. 00
746	886. 6761	4624. 975	10500. 000	E	8331. 00
747	887. 4986	5175. 975	10600. 000	E	0. 00
748	900. 8594	4596. 975	10000. 000	E	8331. 00
749	910. 8281	5221. 975	10800. 000	E	0. 00
750	930. 3428	4243. 975	10000. 000	E	11575. 00
751	931. 4094	5228. 975	10000. 000	E	0. 00
752	1055. 859	4839. 975	10000. 000	E	9801. 00
753	1095. 876	5084. 975	11000. 000	E	0. 00
754	1382. 493	4124. 975	10000. 000	E	9568. 00
755	1384. 779	4953. 975	10999. 360	M	0. 00
756	1384. 784	4906. 975	10962. 570	M	9605. 00
758	1384. 797	4600. 975	10716. 050	M	9605. 00
760	1384. 805	4349. 975	10579. 060	M	9605. 00
762	1384. 819	4345. 975	10516. 900	M	9605. 00

PRODUCTION TEST OF 6/2 - 28/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MD7&B
WASP FILE: BF-D78

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
764	1384.857	4314.975	10454.250	M	9605.00
766	1384.989	4257.975	10393.320	M	9605.00
767	1385.076	4241.975	10373.210	M	9605.00
769	1385.247	4224.975	10350.970	M	9605.00
771	1385.484	4209.975	10330.990	M	9586.51
773	1385.809	4189.975	10313.850	M	9574.00
775	1386.143	4186.975	10304.290	M	9574.00
777	1386.543	4172.975	10294.700	M	9559.50
778	1386.876	4174.975	10288.850	M	9545.00
780	1387.343	4177.975	10282.640	M	9545.00
782	1387.859	4173.975	10277.900	M	9523.00
784	1388.343	4162.975	10274.170	M	9523.00
786	1388.859	4163.975	10272.260	M	9507.00
788	1389.343	4158.975	10269.680	M	9507.00
789	1389.609	4158.975	10268.460	M	9507.00
791	1390.343	4159.975	10265.880	M	9507.00
793	1390.876	4165.975	10264.200	M	9497.00
795	1391.218	--	10262.600	M	9495.46
797	1391.726	--	10260.650	M	9490.00
799	1392.226	--	10259.890	M	9490.00
801	1392.726	--	10258.050	M	9490.00
802	1392.976	--	10257.960	M	9490.00
804	1393.476	--	10256.750	M	9490.00
806	1393.976	--	10256.670	M	9490.00
808	1394.343	--	10255.510	M	9490.00
810	1394.859	--	10254.760	M	9508.00
812	1395.359	--	10253.720	M	9508.00
813	1395.609	--	10253.190	M	9508.00
815	1396.109	--	10252.650	M	9508.00
817	1396.609	--	10251.980	M	9508.00
819	1397.109	--	10251.090	M	9508.00
821	1397.609	--	10250.120	M	9508.00
823	1398.109	--	10249.460	M	9508.00
824	1398.343	--	10249.420	M	9508.00
826	1398.909	--	10251.120	M	9516.00

PRODUCTION TEST OF 6/2 - 28/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MD7&8
WASP FILE: BF-D78

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
828	1399.459	--	10251.380	M	9516.00
830	1399.959	--	10250.260	M	9516.00
832	1400.426	--	10248.400	M	9516.00
834	1400.876	--	10246.890	M	9516.00
835	1401.126	--	10246.860	M	9516.00
837	1401.626	--	10245.920	M	9516.00
839	1402.126	--	10245.850	M	9516.00
841	1402.859	--	10245.330	M	9517.41
843	1403.859	--	10244.320	M	9518.00
845	1404.759	--	10243.590	M	9518.00
847	1405.726	--	10242.070	M	9518.00
848	1406.226	--	10241.540	M	9518.00
850	1406.859	--	10241.350	M	9487.00
852	1407.859	--	10240.030	M	9480.00
854	1408.859	--	10238.940	M	9480.00
856	1409.893	--	10238.210	M	9480.00
858	1410.793	--	10236.840	M	9467.50
859	1411.293	--	10236.800	M	9455.00
861	1412.293	--	10236.190	M	9455.00
863	1413.293	--	10235.730	M	9455.00
865	1414.293	--	10234.590	M	9455.00
867	1414.893	--	10233.810	M	9460.50
869	1415.893	--	10233.200	M	9461.00
870	1416.393	--	10233.160	M	9461.00
872	1417.393	--	10232.260	M	9461.00
874	1418.343	--	10232.070	M	9461.00
876	1419.393	--	10231.870	M	9484.00
878	1420.393	--	10231.340	M	9484.00
880	1421.393	--	10231.000	M	9484.00
881	1422.093	--	10230.590	M	9484.00
883	1423.493	--	10230.510	M	9502.89
885	1425.493	--	10228.900	M	9507.00
887	1427.493	--	10228.380	M	9507.00
889	1429.393	--	10227.360	M	9495.39
891	1431.443	--	10226.780	M	9486.00

PRODUCTION TEST OF 6/2 - 28/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MD7&8
WASP FILE: BF-D78

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
893	1433.043	--	10224.720	M	9486.00
894	1433.993	--	10223.660	M	9486.00
896	1435.393	--	10223.460	M	9478.50
898	1437.643	--	10221.890	M	9476.00
900	1439.643	--	10220.670	M	9476.00
902	1441.143	--	10219.560	M	9498.00
904	1443.143	--	10218.370	M	9498.00
905	1444.143	--	10218.320	M	9498.00
907	1445.543	--	10217.110	M	9498.00
909	1447.393	--	10216.970	M	9503.11
911	1449.143	--	10215.850	M	9507.00
913	1451.143	--	10215.470	M	9507.00
915	1452.343	--	10215.280	M	9507.00
916	1453.443	--	10214.930	M	9507.00
918	1454.943	--	10214.000	M	9507.00
920	1456.943	--	10213.340	M	9507.00
922	1458.343	--	10212.000	M	9507.00
924	1459.843	--	10211.900	M	9500.00
926	1461.843	--	10210.720	M	9500.00
927	1462.843	--	10210.460	M	9500.00
929	1464.869	--	10209.590	M	9500.00
931	1466.893	--	10209.390	M	9500.00
933	1468.893	--	10208.160	M	9500.00
935	1470.343	--	10207.340	M	9500.00
937	1472.393	--	10207.170	M	9497.00
939	1474.393	--	10205.740	M	9497.00
940	1475.393	--	10205.820	M	9497.00
942	1477.143	--	10204.470	M	9490.14
944	1479.143	--	10203.650	M	9482.00
946	1481.143	--	10203.640	M	9482.00
948	1482.343	--	10203.510	M	9482.00
950	1484.393	--	10203.180	M	9468.00
951	1485.393	--	10202.420	M	9468.00
953	1487.393	--	10202.070	M	9468.00
955	1489.343	--	10201.250	M	9468.00

PRODUCTION TEST OF 6/2 - 28/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: MD7&8
 WASP FILE: BF-D78

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SHORT TERM WELL TEST
 MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
957	1491.343	--	10201.050	M	9468.00
959	1493.343	--	10200.350	M	9468.00
961	1495.393	--	10199.700	M	9474.66
962	1496.393	--	10199.220	M	9481.00
964	1498.426	--	10196.670	M	9481.00
966	1500.326	--	10195.370	M	9481.00
968	1501.076	--	10194.810	M	9465.00
970	1502.943	--	10193.790	M	9465.00
972	1504.393	--	10192.400	M	9465.00
974	1506.377	--	10191.810	M	9465.00

* M - MEASURED, E - ESTIMATED
 C - CALCULATED

PRODUCTION TEST OF 6/2 - 28/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MD7&8
WASP FILE: BF-D78

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE (MPW) PSI/CP*BD	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BD PER CYCLE
22	2.22611	11022.865	14992.9940	2411.62	0.00000	0.00000
23	40.6261	11270.016	15526.7378	169.82	0.00000	0.00000
45	41.2803	11088.593	15133.4093	-723.44	0.00000	0.00000
46	41.4533	11265.962	15517.8561	3449.03	0.00000	0.00000
55	41.8428	11060.078	15072.3570	-64.37	0.00000	0.00000
81	43.3428	10781.718	14487.1558	2527.53	0.00000	0.00000
87	44.3428	10709.102	14337.6604	3869.46	0.00000	0.00000
91	45.3428	10386.880	13689.6814	5437.59	0.00000	0.00000
96	46.5206	10533.153	13980.7487	7156.80	0.00000	0.00000
97	196.243	11343.151	15686.4000	185.17	0.00000	0.00000
98	197.643	11193.017	15358.7621	716.33	0.00000	0.00000
99	198.259	11243.062	15467.7608	2059.01	0.00000	0.00000
100	198.609	11193.017	15358.7621	-62.10	0.00000	0.00000
101	378.273	11401.232	15817.6000	101.72	0.00000	0.00000
219	409.116	10953.863	14846.7655	9695.63	0.00000	0.00000
220	505.197	11381.505	15779.2000	851.73	0.00000	0.00000
224	505.790	11380.824	15769.6000	524.32	0.00000	0.00000
352	531.476	10703.847	14326.8924	13013.41	0.00000	0.00000
353	565.821	11370.275	15747.2000	2688.94	0.00000	0.00000
744	709.837	10232.625	13388.1851	24391.73	0.00000	0.00000
745	886.128	11269.475	15525.5531	3310.72	0.00000	0.00000
746	886.676	10484.975	13884.3186	1127.65	0.00000	0.00000
747	887.499	10584.975	14085.0930	5140.20	0.00000	0.00000
748	900.859	9984.975	12915.6149	12643.89	0.00000	0.00000
749	910.828	10784.975	14493.8919	6172.60	0.00000	0.00000
750	930.343	9984.975	12915.6149	19151.16	0.00000	0.00000
751	931.409	9984.975	12915.6149	19043.57	0.00000	0.00000
752	1055.86	9984.975	12915.6149	23564.37	0.00000	0.00000
753	1095.88	10984.975	14912.5498	8651.76	0.00000	0.00000
754	1382.49	9984.975	12915.6149	26345.26	0.00000	0.00000
755	1384.78	10984.335	14911.1941	22929.87	0.00000	0.00000
756	1384.78	10947.545	14833.4371	819.48	-2.30103	1.89074

PRODUCTION TEST OF 6/2 - 28/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MD7&8
WASP FILE: BF-D78

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*80	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*80 PER CYCLE
758	1384. 80	10701. 025	14321. 1115	6152. 12	-1. 74339	2. 77091
760	1384. 80	10564. 035	14042. 8525	7720. 18	-1. 57858	2. 93869
762	1384. 82	10501. 875	13918. 0816	9487. 50	-1. 39195	2. 99700
764	1384. 86	10439. 225	13793. 2594	12181. 20	-1. 10452	3. 04842
766	1384. 99	10378. 295	13672. 7555	16056. 41	-0. 67778	3. 09287
767	1385. 08	10358. 185	13633. 1751	17366. 91	-0. 52651	3. 10654
769	1385. 25	10335. 945	13589. 5128	18995. 14	-0. 32944	3. 12113
771	1385. 48	10315. 965	13550. 3862	20376. 14	-0. 15130	3. 13380
773	1385. 81	10298. 825	13516. 8954	21529. 49	0. 01319	3. 14436
775	1386. 14	10289. 265	13498. 2453	22295. 59	0. 13487	3. 15013
777	1386. 54	10279. 675	13479. 5581	22939. 78	0. 24654	3. 15583
778	1386. 88	10273. 825	13468. 1692	23335. 71	0. 32170	3. 15927
780	1387. 34	10267. 615	13456. 0881	23745. 12	0. 40895	3. 16289
782	1387. 86	10262. 875	13446. 8729	24092. 49	0. 48867	3. 16564
784	1388. 34	10259. 145	13439. 6249	24334. 01	0. 55196	3. 16778
786	1388. 86	10257. 235	13435. 9147	24547. 00	0. 61075	3. 16887
788	1389. 34	10254. 655	13430. 9043	24702. 83	0. 65936	3. 17035
789	1389. 61	10253. 435	13428. 5356	24778. 50	0. 68402	3. 17104
791	1390. 34	10250. 855	13423. 5276	24956. 25	0. 74540	3. 17251
793	1390. 88	10249. 175	13420. 2673	25066. 06	0. 78515	3. 17346
795	1391. 22	10247. 575	13417. 1630	25125. 50	0. 80883	3. 17436
797	1391. 73	10245. 625	13413. 3803	25205. 81	0. 84183	3. 17546
799	1392. 23	10244. 865	13411. 9063	25273. 44	0. 87201	3. 17589
801	1392. 73	10243. 025	13408. 3381	25334. 66	0. 90023	3. 17692
802	1392. 98	10242. 935	13408. 1636	25363. 05	0. 91368	3. 17697
804	1393. 48	10241. 725	13405. 8176	25415. 88	0. 93939	3. 17765
806	1393. 98	10241. 645	13405. 6625	25464. 01	0. 96367	3. 17769
808	1394. 34	10240. 485	13403. 4138	25496. 68	0. 98065	3. 17834
810	1394. 86	10239. 735	13401. 9601	25534. 25	1. 00350	3. 17876
812	1395. 36	10238. 695	13399. 9445	25577. 62	1. 02452	3. 17934
813	1395. 61	10238. 165	13398. 9174	25597. 30	1. 03466	3. 17963
815	1396. 11	10237. 625	13397. 8709	25633. 88	1. 05426	3. 17993

PRODUCTION TEST OF 6/2 - 28/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MD7&B
WASP FILE: BF-D78

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
817	1396.61	10236.955	13396.5727	25667.46	1.07302	3.18030
819	1397.11	10236.065	13394.8483	25698.57	1.09099	3.18080
821	1397.61	10235.095	13392.9692	25727.56	1.10825	3.18134
823	1398.11	10234.435	13391.6907	25754.69	1.12486	3.18170
824	1398.34	10234.395	13391.6132	25766.78	1.13239	3.18172
826	1398.91	10236.095	13394.9065	25792.80	1.15017	3.18078
828	1399.46	10236.355	13395.4102	25820.64	1.16675	3.18064
830	1399.96	10235.235	13393.2404	25843.80	1.18130	3.18126
832	1400.43	10233.375	13389.6376	25864.11	1.19444	3.18229
834	1400.88	10231.865	13386.7134	25882.67	1.20676	3.18312
835	1401.13	10231.835	13386.6553	25892.61	1.21345	3.18314
837	1401.63	10230.895	13384.8351	25911.74	1.22654	3.18366
839	1402.13	10230.825	13384.6996	25929.98	1.23924	3.18370
841	1402.86	10230.305	13383.6928	25955.09	1.25722	3.18398
843	1403.86	10229.295	13381.7375	25987.69	1.28060	3.18454
845	1404.76	10228.565	13380.3244	26014.92	1.30061	3.18494
847	1405.73	10227.045	13377.3825	26042.14	1.32113	3.18577
848	1406.23	10226.515	13376.3568	26055.51	1.33138	3.18606
850	1406.86	10226.325	13375.9892	26077.97	1.34402	3.18617
852	1407.86	10225.005	13373.4350	26089.70	1.36325	3.18689
854	1408.86	10223.915	13371.3262	26104.25	1.38167	3.18748
856	1409.89	10223.185	13369.9140	26121.11	1.39992	3.18788
858	1410.79	10221.815	13367.2641	26136.67	1.41521	3.18863
859	1411.29	10221.775	13367.1867	26146.33	1.42348	3.18865
861	1412.29	10221.165	13366.0070	26153.84	1.43956	3.18898
863	1413.29	10220.705	13365.1174	26165.23	1.45506	3.18923
865	1414.29	10219.565	13362.9130	26177.66	1.47003	3.18985
867	1414.89	10218.785	13361.4048	26184.09	1.47877	3.19027
869	1415.89	10218.175	13360.2255	26199.26	1.49296	3.19060
870	1416.39	10218.135	13360.1482	26206.42	1.49988	3.19062
872	1417.39	10217.235	13358.4084	26220.21	1.51341	3.19111
874	1418.34	10217.045	13358.0411	26232.91	1.52588	3.19121

PRODUCTION TEST OF 6/2 - 28/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: MD7&8
WASP FILE: BF-D78

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
876	1419.39	10216.845	13357.6545	26247.06	1.53925	3.19132
878	1420.39	10216.315	13356.6301	26266.46	1.55162	3.19161
880	1421.39	10215.975	13355.9729	26282.87	1.56365	3.19179
881	1422.09	10215.565	13355.1805	26293.49	1.57187	3.19201
883	1423.49	10215.485	13355.0259	26316.19	1.58787	3.19206
885	1425.49	10213.875	13351.9147	26351.19	1.60975	3.19292
887	1427.49	10213.355	13350.9099	26381.11	1.63057	3.19320
889	1429.39	10212.335	13348.9393	26403.58	1.64947	3.19375
891	1431.44	10211.755	13347.8188	26422.86	1.66898	3.19406
893	1433.04	10209.695	13343.8398	26438.03	1.68362	3.19517
894	1433.99	10208.635	13341.7928	26447.38	1.69209	3.19573
896	1435.39	10208.435	13341.4066	26460.18	1.70427	3.19584
898	1437.64	10206.865	13338.3752	26478.42	1.72316	3.19668
900	1439.64	10205.645	13336.0200	26495.81	1.73929	3.19733
902	1441.14	10204.535	13333.8774	26513.02	1.75100	3.19792
904	1443.14	10203.345	13331.5808	26538.94	1.76615	3.19855
905	1444.14	10203.295	13331.4843	26550.22	1.77352	3.19858
907	1445.54	10202.085	13329.1494	26565.20	1.78365	3.19922
909	1447.39	10201.945	13328.8793	26585.41	1.79667	3.19929
911	1449.14	10200.825	13326.7184	26605.00	1.80864	3.19989
913	1451.14	10200.445	13325.9853	26626.30	1.82193	3.20009
915	1452.34	10200.255	13325.6187	26638.38	1.82972	3.20019
916	1453.44	10199.905	13324.9435	26649.16	1.83673	3.20037
918	1454.94	10198.975	13323.1496	26663.52	1.84612	3.20086
920	1456.94	10198.315	13321.8767	26682.17	1.85832	3.20121
922	1458.34	10196.975	13319.2925	26694.95	1.86667	3.20192
924	1459.84	10196.875	13319.0996	26707.19	1.87543	3.20197
926	1461.84	10195.695	13316.8243	26722.27	1.88685	3.20259
927	1462.84	10195.435	13316.3231	26730.22	1.89245	3.20273
929	1464.87	10194.565	13314.6458	26746.51	1.90358	3.20318
931	1466.89	10194.365	13314.2602	26762.84	1.91442	3.20329
933	1468.89	10193.135	13311.8892	26778.90	1.92487	3.20393

PRODUCTION TEST OF 6/2 - 28/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: MD7&8
 WASP FILE: BF-D78

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SHORT TERM WELL TEST
 PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
935	1470.34	10192.315	13310.3088	26790.48	1.93229	3.20436
937	1472.39	10192.145	13309.9812	26805.80	1.94257	3.20445
939	1474.39	10190.715	13307.2254	26820.64	1.95238	3.20520
940	1475.39	10190.795	13307.3796	26828.17	1.95720	3.20515
942	1477.14	10189.445	13304.7784	26839.72	1.96550	3.20586
944	1479.14	10188.625	13303.1987	26850.08	1.97481	3.20628
946	1481.14	10188.615	13303.1794	26861.38	1.98392	3.20629
948	1482.34	10188.485	13302.9290	26868.87	1.98929	3.20636
950	1484.39	10188.155	13302.2933	26877.83	1.99832	3.20653
951	1485.39	10187.395	13300.8293	26882.05	2.00266	3.20692
953	1487.39	10187.045	13300.1552	26892.43	2.01121	3.20711
955	1489.34	10186.225	13298.5759	26903.68	2.01938	3.20753
957	1491.34	10186.025	13298.1907	26915.78	2.02761	3.20764
959	1493.34	10185.325	13296.8427	26928.21	2.03569	3.20800
961	1495.39	10184.675	13295.5910	26943.25	2.04381	3.20833
962	1496.39	10184.195	13294.6668	26950.77	2.04772	3.20858
964	1498.43	10181.645	13289.7577	26968.33	2.05556	3.20990
966	1500.33	10180.345	13287.2557	26982.81	2.06276	3.21057
968	1501.08	10179.785	13286.1779	26990.33	2.06557	3.21086
970	1502.94	10178.765	13284.2152	26995.11	2.07249	3.21138
972	1504.39	10177.375	13281.5408	27002.30	2.07778	3.21210
974	1506.38	10176.785	13280.4058	27013.39	2.08493	3.21240

*SUPERPOSED RATE-TIME SCHEDULE:

SUM((Q(K)-Q(K-1))*LOG(T(J)-T(K-1)))

LOG(DT) IS LOG BASE 10 OF CONSTANT RATE TRANSIENT TIMES

BUILDUP TEST NO. 8 OF 6/28-7/6/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: M-BU8
 WASP FILE: BF-BB

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SHORT TERM WELL TEST
 MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
22	2. 226111	4274. 975	11037. 890	M	6939. 00
23	40. 62611	5370. 975	11285. 041	M	0. 00
45	41. 28028	5190. 975	11103. 618	M	4831. 49
46	41. 45333	5378. 975	11280. 987	M	0. 00
55	41. 84278	5140. 975	11075. 103	M	4512. 00
81	43. 34278	4903. 975	10796. 743	M	7600. 00
87	44. 34278	4823. 975	10724. 127	M	9696. 00
91	45. 34278	4451. 975	10401. 905	M	10272. 00
96	46. 52056	4653. 975	10548. 178	M	14016. 00
97	196. 2428	5584. 975	11358. 176	M	0. 00
98	197. 6428	5234. 975	11208. 042	M	3646. 00
99	198. 2594	5334. 975	11258. 087	M	0. 00
100	198. 6094	5284. 975	11208. 042	M	3646. 00
101	378. 2733	5340. 975	11416. 257	M	0. 00
219	409. 1158	4972. 975	10968. 888	M	6448. 85
220	505. 1969	--	11396. 530	M	0. 00
224	505. 7897	5517. 975	11395. 849	M	1422. 84
352	531. 4761	5065. 975	10718. 872	M	8726. 50
353	565. 8206	5679. 975	11385. 300	M	0. 00
744	709. 8372	4604. 975	10247. 650	M	10914. 19
745	886. 1281	5591. 975	11284. 500	M	0. 00
746	886. 6761	4624. 975	10500. 000	M	8331. 00
747	887. 4986	5175. 975	10600. 000	M	0. 00
748	900. 8594	4596. 975	10000. 000	M	8331. 00
749	910. 8281	5221. 975	10800. 000	M	0. 00
750	930. 3428	4243. 975	10000. 000	M	11575. 00
751	931. 4094	5228. 975	10000. 000	M	0. 00
752	1055. 859	4839. 975	10000. 000	M	9801. 00
753	1095. 876	5084. 975	11000. 000	M	0. 00
754	1382. 493	4124. 975	10000. 000	M	9568. 00
755	1384. 779	4953. 975	10999. 360	M	0. 00
975	1506. 403	--	10192. 420	M	9491. 23
980	1506. 412	--	10562. 880	M	0. 00
985	1506. 426	--	10657. 700	M	0. 00
991	1506. 496	--	10773. 580	M	0. 00

BUILDUP TEST NO. 8 OF 6/28-7/6/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: M-BUB
 WASP FILE: BF-BB

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SHORT TERM WELL TEST
 MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW QSF RESBPD
996	1506.676	--	10843.110	M	0.00
1001	1507.009	--	10887.850	M	0.00
1007	1507.576	--	10921.530	M	0.00
1012	1508.643	--	10949.480	M	0.00
1017	1509.893	--	10964.940	M	0.00
1023	1511.393	--	10975.200	M	0.00
1028	1512.643	--	10980.910	M	0.00
1033	1513.893	--	10985.300	M	0.00
1039	1515.393	--	10989.370	M	0.00
1044	1516.643	--	10992.270	M	0.00
1049	1517.893	--	10994.330	M	0.00
1055	1520.343	--	10999.890	M	0.00
1060	1522.843	--	11003.090	M	0.00
1066	1525.843	--	11005.310	M	0.00
1071	1528.343	--	11006.820	M	0.00
1076	1530.843	--	11008.190	M	0.00
1082	1533.843	--	11009.670	M	0.00
1087	1536.343	--	11010.730	M	0.00
1092	1538.893	--	11011.660	M	0.00
1098	1542.693	--	11012.930	M	0.00
1103	1545.193	--	11013.790	M	0.00
1108	1546.993	--	11014.250	M	0.00
1114	1549.993	--	11015.070	M	0.00
1119	1552.093	--	11015.580	M	0.00
1124	1554.693	--	11016.210	M	0.00
1130	1557.843	--	11016.930	M	0.00
1135	1560.343	--	11017.550	M	0.00
1140	1562.843	--	11018.050	M	0.00
1146	1565.143	--	11016.580	M	0.00
1151	1566.043	--	11018.710	M	0.00
1157	1569.043	--	11019.870	M	0.00
1162	1571.493	--	11020.100	M	0.00
1167	1573.943	--	11020.450	M	0.00
1173	1576.943	--	11020.970	M	0.00
1178	1579.443	--	11021.670	M	0.00

BUILDUP TEST NO. 8 OF 6/28-7/6/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: M-BU8
 WASP FILE: BF-88

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SHORT TERM WELL TEST
 MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
1183	1581.943	--	11022.650	M	0.00
1189	1584.843	--	11023.250	M	0.00
1194	1587.343	--	11023.180	M	0.00
1199	1589.843	--	11023.740	M	0.00
1205	1592.843	--	11023.780	M	0.00
1210	1595.343	--	11024.190	M	0.00
1215	1597.843	--	11024.540	M	0.00
1221	1600.843	--	11024.950	M	0.00
1226	1603.343	--	11025.370	M	0.00
1231	1605.843	--	11025.740	M	0.00
1237	1608.843	--	11019.800	M	0.00
1242	1611.343	--	11026.350	M	0.00
1248	1614.343	--	11026.950	M	0.00
1253	1616.843	--	11027.400	M	0.00
1258	1619.343	--	11027.720	M	0.00
1264	1622.343	--	11028.200	M	0.00
1269	1624.843	--	11028.480	M	0.00
1274	1627.343	--	11028.910	M	0.00
1280	1634.657	--	11029.720	M	0.00
1285	1639.343	--	11030.860	M	0.00
1290	1644.343	--	11031.440	M	0.00
1296	1650.343	--	11032.360	M	0.00
1301	1655.343	--	11033.170	M	0.00
1306	1660.343	--	11033.910	M	0.00
1312	1666.343	--	11034.670	M	0.00
1317	1671.343	--	11035.180	M	0.00
1322	1676.343	--	11035.650	M	0.00
1328	1682.343	--	11036.290	M	0.00
1333	1687.343	--	11036.630	M	0.00
1339	1693.537	--	11037.040	M	0.00

* M - MEASURED
 C - CALCULATED

BUILDUP TEST NO. 8 OF 6/28-7/6/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: M-BU8
 WASP FILE: BF-B8

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SHORT TERM WELL TEST
 PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE (MPW) PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
22	2.22611	11022.865	14992.9940	2411.62	0.00000	0.00000
23	40.6261	11270.016	15526.7378	169.82	0.00000	0.00000
45	41.2803	11088.593	15133.4093	-723.44	0.00000	0.00000
46	41.4533	11265.962	15517.8561	3449.03	0.00000	0.00000
55	41.8428	11060.078	15072.3570	-64.37	0.00000	0.00000
81	43.3428	10781.718	14487.1558	2527.53	0.00000	0.00000
87	44.3428	10709.102	14337.6604	3869.46	0.00000	0.00000
91	45.3428	10386.880	13689.6814	5437.59	0.00000	0.00000
96	46.5206	10533.153	13980.7487	7156.80	0.00000	0.00000
97	196.243	11343.151	15686.4000	185.17	0.00000	0.00000
98	197.643	11193.017	15358.7621	716.33	0.00000	0.00000
99	198.259	11243.062	15467.7608	2059.01	0.00000	0.00000
100	198.609	11193.017	15358.7621	-62.10	0.00000	0.00000
101	378.273	11401.232	15817.6000	101.72	0.00000	0.00000
219	409.116	10953.863	14846.7655	9695.63	0.00000	0.00000
220	505.197	11381.505	15779.2000	851.73	0.00000	0.00000
224	505.790	11380.824	15769.6000	524.32	0.00000	0.00000
352	531.476	10703.847	14326.8924	13013.41	0.00000	0.00000
353	565.821	11370.275	15747.2000	2688.94	0.00000	0.00000
744	709.837	10232.625	13388.1851	24391.73	0.00000	0.00000
745	886.128	11269.475	15525.5531	3310.72	0.00000	0.00000
746	886.676	10484.975	13884.3186	1127.65	0.00000	0.00000
747	887.499	10584.975	14085.0930	5140.20	0.00000	0.00000
748	900.859	9984.975	12915.6149	12643.89	0.00000	0.00000
749	910.828	10784.975	14493.8919	6172.60	0.00000	0.00000
750	930.343	9984.975	12915.6149	19151.16	0.00000	0.00000
751	931.409	9984.975	12915.6149	19043.57	0.00000	0.00000
752	1055.86	9984.975	12915.6149	23564.37	0.00000	0.00000
753	1095.88	10984.975	14912.5498	8651.76	0.00000	0.00000
754	1382.49	9984.975	12915.6149	26345.26	0.00000	0.00000
755	1384.78	10984.335	14911.1941	22929.87	0.00000	0.00000
975	1506.40	10177.395	13281.5793	27041.33	0.00000	0.00000

BUILDUP TEST NO. 8 OF 6/28-7/6/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: M-BUB
WASP FILE: BF-BB

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
980	1506.41	10547.855	14010.2861	46640.19	-2.06494	2.86255
985	1506.43	10642.675	14202.0333	42630.70	-1.64249	2.96400
991	1506.50	10758.555	14439.3295	36866.94	-1.03516	3.06361
996	1506.68	10828.085	14583.2921	32398.08	-0.56419	3.11452
1001	1507.01	10872.825	14676.5593	29109.37	-0.21745	3.14457
1007	1507.58	10906.505	14747.0990	26392.49	0.06922	3.16599
1012	1508.64	10934.455	14805.8531	23733.52	0.35014	3.18306
1017	1509.89	10949.915	14838.4360	21913.93	0.54276	3.19225
1023	1511.39	10960.175	14860.0927	20450.23	0.69805	3.19825
1028	1512.64	10965.885	14872.1568	19537.20	0.79515	3.20155
1033	1513.89	10970.275	14881.4375	18792.99	0.87445	3.20408
1039	1515.39	10974.345	14890.0461	18050.62	0.95373	3.20641
1044	1516.64	10977.245	14896.1826	17522.37	1.01028	3.20807
1049	1517.89	10979.305	14900.5429	17055.98	1.06030	3.20924
1055	1520.34	10984.865	14912.3167	16275.57	1.14425	3.21238
1060	1522.84	10988.065	14919.0966	15612.18	1.21589	3.21419
1066	1525.84	10990.285	14923.8017	14941.00	1.28868	3.21543
1071	1528.34	10991.795	14927.0026	14458.66	1.34123	3.21628
1076	1530.84	10993.165	14929.9074	14030.09	1.38809	3.21704
1082	1533.84	10994.645	14933.0458	13572.19	1.43838	3.21787
1087	1536.34	10995.705	14935.2940	13228.80	1.47624	3.21846
1092	1538.89	10996.635	14937.2667	12908.13	1.51174	3.21898
1098	1542.69	10997.905	14939.9609	12476.23	1.55978	3.21968
1103	1545.19	10998.765	14941.7856	12217.32	1.58871	3.22016
1108	1546.99	10999.225	14942.7616	12041.60	1.60841	3.22042
1114	1549.99	11000.045	14944.5017	11766.32	1.63938	3.22087
1119	1552.09	11000.555	14945.5840	11585.36	1.65982	3.22115
1124	1554.69	11001.185	14946.9211	11373.22	1.68385	3.22150
1130	1557.84	11001.905	14948.4493	11132.01	1.71130	3.22190
1135	1560.34	11002.525	14949.7654	10951.59	1.73191	3.22224
1140	1562.84	11003.025	14950.8268	10779.96	1.75158	3.22252
1146	1565.14	11001.555	14947.7064	10629.16	1.76893	3.22171

BUILDUP TEST NO. 8 OF 6/28-7/6/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: M-BU8
 WASP FILE: BF-B8

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SHORT TERM WELL TEST
 PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*80	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*80 PER CYCLE
1151	1566.04	11003.685	14952.2280	10571.88	1.77553	3.22289
1157	1569.04	11004.845	14954.6909	10387.50	1.79685	3.22352
1162	1571.49	11005.075	14955.1793	10243.92	1.81351	3.22365
1167	1573.94	11005.425	14955.9225	10106.10	1.82956	3.22384
1173	1576.94	11005.945	14957.0267	9944.61	1.84843	3.22413
1178	1579.44	11006.645	14958.5133	9815.68	1.86356	3.22452
1183	1581.94	11007.625	14960.5948	9691.52	1.87817	3.22505
1189	1584.84	11008.225	14961.8693	9553.04	1.89453	3.22538
1194	1587.34	11008.155	14961.7206	9438.13	1.90816	3.22535
1199	1589.84	11008.715	14962.9102	9327.09	1.92137	3.22565
1205	1592.84	11008.755	14962.9951	9198.62	1.93671	3.22568
1210	1595.34	11009.165	14963.8661	9095.31	1.94909	3.22590
1215	1597.84	11009.515	14964.6097	8995.18	1.96113	3.22609
1221	1600.84	11009.925	14965.4808	8879.01	1.97515	3.22632
1226	1603.34	11010.345	14966.3732	8785.32	1.98650	3.22655
1231	1605.84	11010.715	14967.1593	8694.31	1.99756	3.22675
1237	1608.84	11004.775	14954.5423	8588.44	2.01047	3.22349
1242	1611.34	11011.325	14968.4555	8502.87	2.02094	3.22708
1248	1614.34	11011.925	14969.7306	8403.18	2.03318	3.22741
1253	1616.84	11012.375	14970.6869	8322.49	2.04312	3.22766
1258	1619.34	11012.695	14971.3670	8243.85	2.05285	3.22783
1264	1622.34	11013.175	14972.3872	8152.06	2.06423	3.22809
1269	1624.84	11013.455	14972.9824	8077.63	2.07350	3.22825
1274	1627.34	11013.885	14973.8964	8004.98	2.08257	3.22848
1280	1634.66	11014.695	14975.6182	7801.98	2.10807	3.22892
1285	1639.34	11015.835	14978.0419	7678.84	2.12365	3.22954
1290	1644.34	11016.415	14979.2751	7552.88	2.13969	3.22986
1296	1650.34	11017.335	14981.2313	7408.58	2.15818	3.23036
1301	1655.34	11018.145	14982.9539	7293.62	2.17301	3.23080
1306	1660.34	11018.885	14984.5278	7183.11	2.18735	3.23120
1312	1666.34	11019.645	14986.1443	7055.97	2.20396	3.23161
1317	1671.34	11020.155	14987.2291	6954.26	2.21732	3.23189

BUILDUP TEST NO. 8 OF 6/28-7/6/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: M-BU8
 WASP FILE: BF-B8

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SHORT TERM WELL TEST
 PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
1322	1676.34	11020.625	14988.2290	6856.16	2.23029	3.23214
1328	1682.34	11021.265	14989.5905	6742.90	2.24536	3.23249
1333	1687.34	11021.605	14990.3139	6651.99	2.25753	3.23267
1339	1693.54	11022.015	14991.1862	6543.48	2.27215	3.23290

*SUPERPOSED RATE-TIME SCHEDULE:

SUM((Q(K)-Q(K-1))*LOG(T(J)-T(K-1)))

LOG(DT) IS LOG BASE 10 OF CONSTANT RATE TRANSIENT TIMES

DRAWDOWN TEST 9 OF 7/6-8/27/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: M-DD9
 WASP FILE: BF-D9

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SHORT TERM WELL TEST
 MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
22	2. 226111	4274. 975	11037. 890	M	6939. 00
23	40. 62611	5370. 975	11285. 041	M	0. 00
45	41. 28028	5190. 975	11103. 618	M	4831. 49
46	41. 45333	5378. 975	11280. 987	M	0. 00
96	46. 52056	4653. 975	10548. 178	M	9794. 89
97	196. 2428	5584. 975	11358. 176	M	0. 00
98	197. 6428	5234. 975	11208. 042	M	3646. 00
99	198. 2594	5334. 975	11258. 087	M	0. 00
100	198. 6094	5284. 975	11208. 042	M	3646. 00
101	378. 2733	5340. 975	11416. 257	M	0. 00
219	409. 1158	4972. 975	10968. 888	M	6448. 85
220	505. 1969	--	11396. 530	M	0. 00
352	531. 4761	5065. 975	10718. 872	M	8561. 75
353	565. 8206	5679. 975	11385. 300	M	0. 00
744	709. 8372	4604. 975	10247. 650	M	10914. 19
745	886. 1281	5591. 975	11284. 500	M	0. 00
746	886. 6761	4624. 975	10500. 000	E	8331. 00
747	887. 4986	5175. 975	10600. 000	E	0. 00
748	900. 8594	4596. 975	10000. 000	E	8331. 00
749	910. 8281	5221. 975	10800. 000	E	0. 00
750	930. 3428	4243. 975	10000. 000	E	11575. 00
751	931. 4094	5228. 975	10000. 000	E	0. 00
752	1055. 859	4839. 975	10000. 000	E	9801. 00
753	1095. 876	5084. 975	11000. 000	E	0. 00
754	1382. 493	4124. 975	10000. 000	E	9568. 00
755	1384. 779	4953. 975	10999. 360	M	0. 00
975	1506. 403	--	10192. 420	M	9491. 23
976	1696. 676	--	11037. 100	M	0. 00
999	2197. 726	--	10283. 000	E	9422. 94
1000	2205. 909	--	10400. 000	E	0. 00
1003	2248. 093	--	10320. 000	E	9515. 17
1004	2254. 843	--	10400. 000	E	0. 00
1035	2925. 843	--	10438. 000	E	9503. 27
1036	2928. 492	--	10489. 562	M	0. 00
1037	2928. 492	--	10488. 262	M	9718. 00

DRAWDOWN TEST 9 OF 7/6-8/27/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: M-DD9
WASP FILE: BF-D9

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
1038	2928.504	--	10472.600	M	9718.00
1039	2928.506	--	10456.618	M	9718.00
1040	2928.508	--	10440.375	M	9718.00
1041	2928.509	--	10421.465	M	9718.00
1042	2928.510	--	10404.053	M	9718.00
1043	2928.512	--	10380.614	M	9718.00
1044	2928.514	--	10363.483	M	9718.00
1045	2928.516	--	10347.520	M	9718.00
1046	2928.517	--	10328.670	M	9718.00
1047	2928.521	--	10313.367	M	9718.00
1048	2928.531	--	10294.206	M	9718.00
1049	2928.532	--	10279.214	M	9718.00
1050	2928.536	--	10263.821	M	9718.00
1051	2928.551	--	10248.398	M	9718.00
1052	2928.588	--	10233.926	M	9408.00
1053	2928.744	--	10223.860	M	9408.00
1054	2928.761	--	10210.727	M	9408.00
1055	2928.934	--	10207.768	M	9408.00
1056	2929.101	--	10203.051	M	9408.00
1057	2929.276	--	10196.094	M	9408.00
1058	2929.443	--	10199.512	M	9408.00
1059	2929.609	--	10198.003	M	9408.00
1060	2929.793	--	10197.023	M	9408.00
1061	2929.959	--	10193.465	M	9408.00
1062	2930.126	--	10192.806	M	9408.00
1063	2930.309	--	10192.306	M	9408.00
1064	2930.476	--	10187.468	M	9408.00
1065	2930.643	--	10186.649	M	9408.00
1066	2930.826	--	10181.811	M	9408.00
1067	2930.993	--	10187.458	M	9408.00
1068	2931.159	--	10186.698	M	9408.00
1069	2931.343	--	10188.558	M	9408.00
1070	2931.609	--	10187.338	M	9552.00
1071	2931.859	--	10184.580	M	9552.00
1072	2932.109	--	10184.909	M	9552.00

DRAWDOWN TEST 9 OF 7/6-8/27/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: M-DD9
 WASP FILE: BF-D9

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SHORT TERM WELL TEST
 MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
1073	2932.343	---	10185.519	M	9552.00
1074	2932.609	---	10184.480	M	9120.00
1075	2932.859	---	10181.091	M	9120.00
1076	2933.109	---	10182.770	M	9120.00
1077	2933.359	---	10180.781	M	9120.00
1078	2933.609	---	10180.072	M	9120.00
1079	2933.859	---	10179.022	M	9120.00
1080	2934.109	---	10178.592	M	9120.00
1081	2934.359	---	10179.892	M	9120.00
1082	2934.609	---	10179.552	M	9120.00
1083	2934.859	---	10179.402	M	9120.00
1084	2935.109	---	10179.252	M	9120.00
1085	2935.359	---	10174.654	M	9120.00
1086	2935.609	---	10177.613	M	9120.00
1087	2935.859	---	10175.314	M	9120.00
1088	2936.109	---	10178.113	M	9120.00
1089	2936.343	---	10178.862	M	9120.00
1090	2936.609	---	10179.172	M	9624.00
1091	2936.859	---	10178.772	M	9624.00
1092	2936.926	---	10177.863	M	9624.00
1093	2937.093	---	10177.623	M	9624.00
1094	2937.109	---	10177.443	M	9624.00
1095	2937.359	---	10172.925	M	9624.00
1096	2937.609	---	10174.504	M	9624.00
1097	2937.859	---	10174.285	M	9624.00
1098	2938.109	---	10174.984	M	9624.00
1099	2938.343	---	10174.614	M	9624.00
1100	2938.609	---	10176.134	M	9348.00
1101	2938.843	---	10165.659	M	9348.00
1102	2939.093	---	10163.650	M	9348.00
1103	2939.343	---	10165.159	M	9348.00
1104	2939.593	---	10167.288	M	9348.00
1105	2939.876	---	10167.658	M	9348.00
1106	2940.126	---	10165.949	M	9348.00
1107	2940.343	---	10164.439	M	9348.00

DRAWDOWN TEST 9 OF 7/6-8/27/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: M-DD9
 WASP FILE: BF-D9

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SHORT TERM WELL TEST
 MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
1108	2940.593	--	10176.144	M	9360.00
1109	2940.843	--	10172.935	M	9360.00
1110	2941.093	--	10169.637	M	9360.00
1111	2941.343	--	10162.170	M	9360.00
1112	2941.593	--	10153.705	M	9360.00
1113	2941.859	--	10157.243	M	9360.00
1114	2942.093	--	10169.637	M	9360.00
1115	2942.343	--	10160.141	M	9360.00
1116	2942.594	--	10161.491	M	9360.00
1117	2942.843	--	10154.074	M	9360.00
1118	2943.093	--	10161.081	M	9360.00
1119	2943.343	--	10130.976	M	9360.00
1120	2943.593	--	10137.173	M	9360.00
1121	2943.826	--	10125.388	M	9360.00

* M - MEASURED, E - ESTIMATED
 C - CALCULATED

DRAWDOWN TEST 9 OF 7/6-8/27/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO.1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: M-DD9
WASP FILE: BF-D9

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE (MPW) PSI/CP*80	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*80 PER CYCLE
22	2.22611	11022.865	14992.9940	2411.62	0.00000	0.00000
23	40.6261	11270.016	15526.7378	169.82	0.00000	0.00000
45	41.2803	11088.593	15133.4093	-723.44	0.00000	0.00000
46	41.4533	11265.962	15517.8561	3449.03	0.00000	0.00000
96	46.5206	10533.153	13980.7487	7297.74	0.00000	0.00000
97	196.243	11343.151	15686.4000	184.81	0.00000	0.00000
98	197.643	11193.017	15358.7621	715.97	0.00000	0.00000
99	198.259	11243.062	15467.7608	2058.66	0.00000	0.00000
100	198.609	11193.017	15358.7621	-62.45	0.00000	0.00000
101	378.273	11401.232	15817.6000	101.65	0.00000	0.00000
219	409.116	10953.863	14846.7655	9695.57	0.00000	0.00000
220	505.197	11381.505	15779.2000	851.69	0.00000	0.00000
352	531.476	10703.847	14326.8924	12851.87	0.00000	0.00000
353	565.821	11370.275	15747.2000	2679.42	0.00000	0.00000
744	709.837	10232.625	13388.1851	24391.08	0.00000	0.00000
745	886.128	11269.475	15525.5531	3310.54	0.00000	0.00000
746	886.676	10484.975	13884.3186	1127.46	0.00000	0.00000
747	887.499	10584.975	14085.0930	5140.01	0.00000	0.00000
748	900.859	9984.975	12915.6149	12643.72	0.00000	0.00000
749	910.828	10784.975	14493.8919	6172.44	0.00000	0.00000
750	930.343	9984.975	12915.6149	19151.01	0.00000	0.00000
751	931.409	9984.975	12915.6149	19043.42	0.00000	0.00000
752	1055.86	9984.975	12915.6149	23564.28	0.00000	0.00000
753	1095.88	10984.975	14912.5498	8651.68	0.00000	0.00000
754	1382.49	9984.975	12915.6149	26345.23	0.00000	0.00000
755	1384.78	10984.335	14911.1941	22929.83	0.00000	0.00000
975	1506.40	10177.395	13281.5793	27041.31	0.00000	0.00000
976	1696.68	11022.075	14991.3139	6490.12	0.00000	0.00000
999	2197.73	10267.975	13456.7882	28475.48	0.00000	0.00000
1000	2205.91	10384.975	13685.9241	19914.77	0.00000	0.00000
1003	2248.09	10304.975	13528.9043	28147.18	0.00000	0.00000
1004	2254.84	10384.975	13685.9241	20386.44	0.00000	0.00000

DRAWDOWN TEST 9 OF 7/6-8/27/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: M-DD9
WASP FILE: BF-D9

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
1035	2925.84	10422.975	13761.0354	31034.47	0.00000	0.00000
1036	2928.49	10474.537	13863.4988	27020.63	0.00000	0.00000
1037	2928.49	10473.237	13860.9089	-7539.84	-3.55630	0.41328
1038	2928.50	10457.575	13829.7227	8316.03	-1.92283	1.52861
1039	2928.51	10441.593	13797.9596	8949.56	-1.85733	1.81650
1040	2928.51	10425.350	13765.7421	9572.52	-1.79287	1.99015
1041	2928.51	10406.440	13728.3095	9852.28	-1.76391	2.13094
1042	2928.51	10389.028	13693.9192	10114.43	-1.73676	2.22937
1043	2928.51	10365.589	13647.7373	10650.08	-1.68124	2.33397
1044	2928.51	10348.458	13614.0638	10867.66	-1.65868	2.39696
1045	2928.52	10332.495	13582.7508	11366.41	-1.60691	2.44832
1046	2928.52	10313.645	13545.8481	11505.04	-1.59251	2.50195
1047	2928.52	10298.342	13515.9525	12136.09	-1.52692	2.54101
1048	2928.53	10279.181	13478.5965	13286.14	-1.40708	2.58535
1049	2928.53	10264.189	13449.4261	13373.72	-1.39794	2.61708
1050	2928.54	10248.796	13419.5320	13837.46	-1.34948	2.64735
1051	2928.55	10233.373	13389.6347	15016.02	-1.22589	2.67565
1052	2928.59	10218.901	13361.6282	17433.46	-1.01723	2.70059
1053	2928.74	10208.835	13342.1798	21058.11	-0.59774	2.71710
1054	2928.76	10195.702	13316.8375	21296.92	-0.56953	2.73772
1055	2928.93	10192.743	13311.1342	23074.53	-0.35381	2.74223
1056	2929.10	10188.026	13302.0439	24157.99	-0.21507	2.74931
1057	2929.28	10181.069	13288.6489	24970.68	-0.10544	2.75955
1058	2929.44	10184.487	13295.2295	25560.70	-0.02177	2.75455
1059	2929.61	10182.978	13292.3237	26032.73	0.04836	2.75677
1060	2929.79	10181.998	13290.4381	26456.52	0.11431	2.75820
1061	2929.96	10178.440	13283.5902	26778.10	0.16666	2.76336
1062	2930.13	10177.781	13282.3210	27053.59	0.21337	2.76431
1063	2930.31	10177.281	13281.3595	27314.93	0.25954	2.76503
1064	2930.48	10172.443	13272.0554	27522.20	0.29764	2.77191
1065	2930.64	10171.624	13270.4796	27705.94	0.33266	2.77307
1066	2930.83	10166.786	13261.1818	27885.58	0.36818	2.77983

DRAWDOWN TEST 9 OF 7/6-8/27/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: M-DD9
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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
1067	2930.99	10172.433	13272.0362	28031.75	0.39813	2.77193
1068	2931.16	10171.673	13270.5757	28164.09	0.42615	2.77300
1069	2931.34	10173.533	13274.1503	28295.99	0.45501	2.77037
1070	2931.61	10172.313	13271.8055	28383.66	0.49385	2.77210
1071	2931.86	10169.555	13266.5024	28565.45	0.52734	2.77597
1072	2932.11	10169.884	13267.1364	28715.14	0.55844	2.77551
1073	2932.34	10170.494	13268.3083	28836.69	0.58559	2.77466
1074	2932.61	10169.455	13266.3103	29207.60	0.61466	2.77611
1075	2932.86	10166.066	13259.7991	29186.38	0.64026	2.78082
1076	2933.11	10167.745	13263.0255	29205.32	0.66443	2.77849
1077	2933.36	10165.756	13259.2038	29237.00	0.68733	2.78125
1078	2933.61	10165.047	13257.8405	29273.20	0.70908	2.78223
1079	2933.86	10163.997	13255.8245	29310.61	0.72979	2.78367
1080	2934.11	10163.567	13254.9990	29347.71	0.74956	2.78426
1081	2934.36	10164.867	13257.4949	29383.79	0.76847	2.78248
1082	2934.61	10164.527	13256.8420	29418.47	0.78659	2.78294
1083	2934.86	10164.377	13256.5541	29451.62	0.80399	2.78315
1084	2935.11	10164.227	13256.2661	29483.19	0.82071	2.78336
1085	2935.36	10159.629	13247.4370	29513.19	0.83682	2.78962
1086	2935.61	10162.588	13253.1177	29541.68	0.85234	2.78560
1087	2935.86	10160.289	13248.7035	29568.72	0.86734	2.78873
1088	2936.11	10163.088	13254.0775	29594.38	0.88183	2.78492
1089	2936.34	10163.837	13255.5173	29617.17	0.89493	2.78389
1090	2936.61	10164.147	13256.1125	29352.59	0.90944	2.78347
1091	2936.86	10163.747	13255.3445	29519.36	0.92261	2.78401
1092	2936.93	10162.838	13253.5976	29551.61	0.92606	2.78526
1093	2937.09	10162.598	13253.1369	29620.50	0.93455	2.78559
1094	2937.11	10162.418	13252.7914	29626.67	0.93540	2.78583
1095	2937.36	10157.900	13244.1177	29708.37	0.94781	2.79196
1096	2937.61	10159.479	13247.1491	29775.48	0.95989	2.78983
1097	2937.86	10159.260	13246.7270	29833.00	0.97164	2.79012
1098	2938.11	10159.959	13248.0702	29883.66	0.98307	2.78918

DRAWDOWN TEST 9 OF 7/6-8/27/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: M-DD9
WASP FILE: BF-D9

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*80	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*80 PER CYCLE
1099	2938.34	10159.589	13247.3602	29926.22	0.99349	2.78968
1100	2938.61	10161.109	13250.2771	30128.88	1.00509	2.78762
1101	2938.84	10150.634	13230.1767	30089.06	1.01499	2.80162
1102	2939.09	10148.625	13226.3244	30075.79	1.02535	2.80426
1103	2939.34	10150.134	13229.2183	30074.21	1.03547	2.80228
1104	2939.59	10152.263	13233.3013	30078.26	1.04537	2.79948
1105	2939.88	10152.633	13234.0107	30086.46	1.05631	2.79899
1106	2940.13	10150.924	13230.7325	30095.48	1.06575	2.80124
1107	2940.34	10149.414	13227.8384	30104.08	1.07376	2.80323
1108	2940.59	10161.119	13250.2963	30107.29	1.08283	2.78760
1109	2940.84	10157.910	13244.1369	30121.65	1.09171	2.79194
1110	2941.09	10154.612	13237.8073	30134.62	1.10041	2.79636
1111	2941.34	10147.145	13223.4885	30146.98	1.10894	2.80619
1112	2941.59	10138.680	13207.2683	30158.92	1.11731	2.81706
1113	2941.86	10142.218	13214.0455	30171.28	1.12606	2.81255
1114	2942.09	10154.612	13237.8073	30181.80	1.13357	2.79636
1115	2942.34	10145.116	13219.5995	30192.78	1.14148	2.80882
1116	2942.59	10146.466	13222.1857	30203.51	1.14929	2.80707
1117	2942.84	10139.049	13207.9765	30213.87	1.15689	2.81659
1118	2943.09	10146.056	13221.4002	30223.99	1.16439	2.80760
1119	2943.34	10115.951	13163.8019	30233.85	1.17176	2.84491
1120	2943.59	10122.148	13175.6412	30243.45	1.17901	2.83750
1121	2943.83	10110.363	13153.1350	30252.17	1.18566	2.85148

*SUPERPOSED RATE-TIME SCHEDULE:

SUM((Q(K)-Q(K-1))*LOG(T(J)-T(K-1)))

LOG(DT) IS LOG BASE 10 OF CONSTANT RATE TRANSIENT TIMES

BUILDUP TEST 9 OF 8/27-30/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

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SHORT TERM WELL TEST
 MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW QSF RESBPD
22	2. 226111	4274. 975	11037. 890	M	6939. 00
23	40. 62611	5370. 975	11285. 041	M	0. 00
45	41. 28028	5190. 975	11103. 618	M	4831. 49
46	41. 45333	5378. 975	11280. 987	M	0. 00
96	46. 52056	4653. 975	10548. 178	M	9794. 89
97	196. 2428	5584. 975	11358. 176	M	0. 00
98	197. 6428	5234. 975	11208. 042	M	3646. 00
99	198. 2594	5334. 975	11258. 087	M	0. 00
100	198. 6094	5284. 975	11208. 042	M	3646. 00
101	378. 2733	5340. 975	11416. 257	M	0. 00
219	409. 1158	4972. 975	10968. 888	M	6448. 85
220	505. 1969	--	11396. 530	M	0. 00
352	531. 4761	5065. 975	10718. 872	M	8561. 75
353	565. 8206	5679. 975	11385. 300	M	0. 00
744	709. 8372	4604. 975	10247. 650	M	10914. 19
745	886. 1281	5591. 975	11284. 500	M	0. 00
746	886. 6761	4624. 975	10500. 000	E	8331. 00
747	887. 4986	5175. 975	10600. 000	E	0. 00
748	900. 8594	4596. 975	10000. 000	E	8331. 00
749	910. 8281	5221. 975	10800. 000	E	0. 00
750	930. 3428	4243. 975	10000. 000	E	11575. 00
751	931. 4094	5228. 975	10000. 000	E	0. 00
752	1055. 859	4839. 975	10000. 000	E	9801. 00
753	1095. 876	5084. 975	11000. 000	E	0. 00
754	1382. 493	4124. 975	10000. 000	E	9568. 00
755	1384. 779	4953. 975	10999. 360	M	0. 00
975	1506. 403	--	10192. 420	M	9491. 23
976	1696. 676	--	11037. 100	E	0. 00
999	2197. 726	--	10283. 000	E	9422. 94
1000	2205. 909	--	10400. 000	E	0. 00
1003	2248. 093	--	10320. 000	E	9515. 17
1004	2254. 843	--	10400. 000	E	0. 00
1035	2925. 843	--	10438. 000	E	9503. 27
1036	2928. 492	--	10489. 562	M	0. 00
1121	2943. 826	--	10125. 388	M	9352. 91

BUILDUP TEST 9 OF 8/27-30/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: M-BU9
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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
1124	2943.827	--	10377.016	M	0.00
1127	2943.840	--	10442.704	M	0.00
1131	2943.980	--	10466.843	M	0.00
1134	2944.133	--	10470.831	M	0.00
1137	2944.301	--	10473.210	M	0.00
1141	2944.626	--	10475.808	M	0.00
1144	2944.843	--	10476.988	M	0.00
1147	2945.343	--	10478.867	M	0.00
1151	2945.859	--	10480.236	M	0.00
1154	2946.643	--	10481.865	M	0.00
1158	2947.643	--	10482.945	M	0.00
1161	2948.393	--	10483.874	M	0.00
1164	2949.143	--	10484.554	M	0.00
1168	2950.143	--	10485.294	M	0.00
1171	2950.893	--	10485.973	M	0.00
1174	2951.643	--	10486.453	M	0.00
1178	2952.643	--	10487.063	M	0.00
1181	2953.393	--	10487.173	M	0.00
1185	2954.393	--	10487.783	M	0.00
1188	2955.143	--	10488.212	M	0.00
1191	2955.893	--	10488.622	M	0.00
1195	2956.893	--	10489.222	M	0.00
1198	2957.643	--	10489.592	M	0.00
1201	2958.343	--	10489.942	M	0.00
1205	2959.343	--	10490.481	M	0.00
1208	2960.093	--	10490.831	M	0.00
1211	2960.843	--	10491.161	M	0.00
1215	2961.843	--	10491.591	M	0.00
1218	2962.593	--	10491.901	M	0.00
1222	2963.593	--	10492.310	M	0.00
1225	2964.343	--	10492.680	M	0.00
1228	2965.093	--	10492.970	M	0.00
1232	2966.093	--	10493.360	M	0.00
1235	2966.843	--	10493.510	M	0.00
1238	2967.593	--	10493.650	M	0.00

BUILDUP TEST 9 OF 8/27-30/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: M-BU9
 WASP FILE: BF-B9

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SHORT TERM WELL TEST
 MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
1242	2968.593	---	10494.030	M	0.00
1245	2969.343	---	10494.319	M	0.00
1249	2970.343	---	10494.699	M	0.00
1252	2971.859	---	10495.039	M	0.00
1255	2973.359	---	10495.839	M	0.00
1259	2975.359	---	10496.358	M	0.00
1262	2976.859	---	10496.778	M	0.00
1265	2978.359	---	10497.038	M	0.00
1269	2980.343	---	10497.658	M	0.00
1272	2981.843	---	10498.178	M	0.00
1275	2983.343	---	10498.547	M	0.00
1279	2985.343	---	10499.207	M	0.00
1282	2986.843	---	10499.707	M	0.00
1286	2988.843	---	10499.977	M	0.00
1289	2990.343	---	10500.596	M	0.00
1292	2991.843	---	10500.776	M	0.00
1296	2993.843	---	10501.386	M	0.00
1299	2995.343	---	10501.786	M	0.00
1302	2996.843	---	10502.106	M	0.00
1306	2998.843	---	10502.695	M	0.00
1309	3000.343	---	10503.005	M	0.00
1313	3002.343	---	10503.635	M	0.00
1316	3003.843	---	10503.925	M	0.00
1319	3005.343	---	10504.285	M	0.00
1323	3007.343	---	10504.704	M	0.00
1326	3008.843	---	10504.994	M	0.00
1329	3010.343	---	10505.494	M	0.00
1333	3012.343	---	10505.824	M	0.00
1336	3013.843	---	10506.304	M	0.00
1340	3015.843	---	10506.683	M	0.00

* M - MEASURED, E - ESTIMATED
 C - CALCULATED

BUILDUP TEST 9 OF 8/27-30/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: M-BU9
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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE (MPW) PSI/CP*80	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*80 PER CYCLE
22	2.22611	11022.865	14992.9940	2411.62	0.00000	0.00000
23	40.6261	11270.016	15526.7378	169.82	0.00000	0.00000
45	41.2803	11088.593	15133.4093	-723.44	0.00000	0.00000
46	41.4533	11265.962	15517.8561	3449.03	0.00000	0.00000
96	46.5206	10533.153	13980.7487	7297.74	0.00000	0.00000
97	196.243	11343.151	15686.4000	184.81	0.00000	0.00000
98	197.643	11193.017	15358.7621	715.97	0.00000	0.00000
99	198.259	11243.062	15467.7608	2058.66	0.00000	0.00000
100	198.609	11193.017	15358.7621	-62.45	0.00000	0.00000
101	378.273	11401.232	15817.6000	101.65	0.00000	0.00000
219	409.116	10953.863	14846.7655	9695.57	0.00000	0.00000
220	505.197	11381.505	15779.2000	851.69	0.00000	0.00000
352	531.476	10703.847	14326.8924	12851.87	0.00000	0.00000
353	565.821	11370.275	15747.2000	2679.42	0.00000	0.00000
744	709.837	10232.625	13388.1851	24391.08	0.00000	0.00000
745	886.128	11269.475	15525.5531	3310.54	0.00000	0.00000
746	886.676	10484.975	13884.3186	1127.46	0.00000	0.00000
747	887.499	10584.975	14085.0930	5140.01	0.00000	0.00000
748	900.859	9984.975	12915.6149	12643.72	0.00000	0.00000
749	910.828	10784.975	14493.8919	6172.44	0.00000	0.00000
750	930.343	9984.975	12915.6149	19151.01	0.00000	0.00000
751	931.409	9984.975	12915.6149	19043.42	0.00000	0.00000
752	1055.86	9984.975	12915.6149	23564.28	0.00000	0.00000
753	1095.88	10984.975	14912.5498	8651.68	0.00000	0.00000
754	1382.49	9984.975	12915.6149	26345.23	0.00000	0.00000
755	1384.78	10984.335	14911.1941	22929.83	0.00000	0.00000
975	1506.40	10177.395	13281.5793	27041.31	0.00000	0.00000
976	1696.68	11022.075	14991.3139	6490.12	0.00000	0.00000
999	2197.73	10267.975	13456.7882	28475.48	0.00000	0.00000
1000	2205.91	10384.975	13685.9241	19914.77	0.00000	0.00000
1003	2248.09	10304.975	13528.9043	28147.18	0.00000	0.00000
1004	2254.84	10384.975	13685.9241	20386.44	0.00000	0.00000

BUILDUP TEST 9 OF 8/27-30/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO.1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: M-BU9
WASP FILE: BF-B9

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*80	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*80 PER CYCLE
1035	2925.84	10422.975	13761.0354	31034.47	0.00000	0.00000
1036	2928.49	10474.537	13863.4988	27020.63	0.00000	0.00000
1121	2943.83	10110.363	13153.1350	30243.33	0.00000	0.00000
1124	2943.83	10361.991	13640.6590	56967.71	-2.85733	2.68800
1127	2943.84	10427.679	13770.3577	47456.00	-1.84030	2.79044
1131	2943.98	10451.818	13818.2739	37836.45	-0.81123	2.82291
1134	2944.13	10455.806	13826.2037	35048.55	-0.51255	2.82806
1137	2944.30	10458.185	13830.9356	33282.31	-0.32305	2.83110
1141	2944.63	10460.783	13836.1065	31177.23	-0.09676	2.83440
1144	2944.84	10461.963	13838.4538	30211.39	0.00730	2.83589
1147	2945.34	10463.842	13842.1942	28603.43	0.18097	2.83826
1151	2945.86	10465.211	13844.9205	27428.83	0.30827	2.83997
1154	2946.64	10466.840	13848.1647	26127.99	0.44978	2.84200
1158	2947.64	10467.920	13850.3146	24920.50	0.58172	2.84334
1161	2948.39	10468.849	13852.1661	24210.10	0.65963	2.84450
1164	2949.14	10469.529	13853.5201	23609.54	0.72566	2.84534
1168	2950.14	10470.269	13854.9936	22930.63	0.80051	2.84625
1171	2950.89	10470.948	13856.3478	22489.63	0.84923	2.84709
1174	2951.64	10471.428	13857.3037	22093.78	0.89304	2.84768
1178	2952.64	10472.038	13858.5187	21622.08	0.94532	2.84843
1181	2953.39	10472.148	13858.7377	21302.62	0.98077	2.84856
1185	2954.39	10472.758	13859.9528	20914.03	1.02395	2.84931
1188	2955.14	10473.187	13860.8093	20646.27	1.05373	2.84983
1191	2955.89	10473.597	13861.6261	20395.87	1.08160	2.85033
1195	2956.89	10474.197	13862.8214	20085.42	1.11617	2.85107
1198	2957.64	10474.567	13863.5586	19867.92	1.14041	2.85152
1201	2958.34	10474.917	13864.2559	19675.41	1.16188	2.85194
1205	2959.34	10475.456	13865.3319	19416.03	1.19081	2.85260
1208	2960.09	10475.806	13866.0293	19232.32	1.21131	2.85303
1211	2960.84	10476.136	13866.6869	19056.94	1.23088	2.85343
1215	2961.84	10476.566	13867.5438	18834.82	1.25568	2.85395
1218	2962.59	10476.876	13868.1616	18676.22	1.27339	2.85432

BUILDUP TEST 9 OF 8/27-30/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: M-BU9
WASP FILE: BF-B9

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BD	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BD PER CYCLE
1222	2963. 59	10477. 285	13868. 9787	18474. 38	1. 29594	2. 85482
1225	2964. 34	10477. 655	13869. 7161	18329. 62	1. 31211	2. 85527
1228	2965. 09	10477. 945	13870. 2941	18190. 08	1. 32771	2. 85562
1232	2966. 09	10478. 335	13871. 0715	18011. 53	1. 34766	2. 85609
1235	2966. 84	10478. 485	13871. 3705	17882. 82	1. 36205	2. 85627
1238	2967. 59	10478. 625	13871. 6495	17758. 25	1. 37597	2. 85644
1242	2968. 59	10479. 005	13872. 4070	17598. 15	1. 39387	2. 85689
1245	2969. 34	10479. 294	13872. 9851	17482. 28	1. 40683	2. 85724
1249	2970. 34	10479. 674	13873. 7426	17332. 99	1. 42352	2. 85770
1252	2971. 86	10480. 014	13874. 4205	17117. 02	1. 44768	2. 85811
1255	2973. 36	10480. 814	13876. 0155	16914. 65	1. 47032	2. 85907
1259	2975. 36	10481. 333	13877. 0523	16660. 31	1. 49877	2. 85969
1262	2976. 86	10481. 753	13877. 8898	16479. 96	1. 51896	2. 86019
1265	2978. 36	10482. 013	13878. 4083	16307. 65	1. 53824	2. 86050
1269	2980. 34	10482. 633	13879. 6447	16091. 02	1. 56249	2. 86124
1272	2981. 84	10483. 153	13880. 6817	15934. 89	1. 57998	2. 86186
1275	2983. 34	10483. 522	13881. 4197	15784. 84	1. 59678	2. 86230
1279	2985. 34	10484. 182	13882. 7361	15593. 44	1. 61823	2. 86309
1282	2986. 84	10484. 682	13883. 7334	15455. 90	1. 63364	2. 86368
1286	2988. 84	10484. 952	13884. 2720	15279. 83	1. 65338	2. 86400
1289	2990. 34	10485. 571	13885. 5089	15152. 88	1. 66761	2. 86473
1292	2991. 84	10485. 751	13885. 8680	15030. 00	1. 68139	2. 86495
1296	2993. 84	10486. 361	13887. 0850	14872. 05	1. 69912	2. 86567
1299	2995. 34	10486. 761	13887. 8831	14757. 72	1. 71195	2. 86614
1302	2996. 84	10487. 081	13888. 5216	14646. 71	1. 72441	2. 86652
1306	2998. 84	10487. 670	13889. 6989	14503. 54	1. 74050	2. 86721
1309	3000. 34	10487. 980	13890. 3175	14399. 59	1. 75218	2. 86758
1313	3002. 34	10488. 610	13891. 5747	14265. 25	1. 76728	2. 86832
1316	3003. 84	10488. 900	13892. 1535	14167. 53	1. 77827	2. 86866
1319	3005. 34	10489. 260	13892. 8720	14072. 25	1. 78899	2. 86908
1323	3007. 34	10489. 679	13893. 7103	13948. 82	1. 80289	2. 86957
1326	3008. 84	10489. 969	13894. 2891	13858. 82	1. 81303	2. 86991

BUILDUP TEST 9 OF 8/27-30/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: M-BU9
 WASP FILE: BF-B9

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SHORT TERM WELL TEST
 PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*80	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*80 PER CYCLE
1329	3010.34	10490.469	13895.2871	13770.91	1.82293	2.87049
1333	3012.34	10490.799	13895.9459	13656.80	1.83580	2.87088
1336	3013.84	10491.279	13896.9041	13573.42	1.84520	2.87144
1340	3015.84	10491.658	13897.6627	13465.04	1.85743	2.87188

*SUPERPOSED RATE-TIME SCHEDULE:

SUM((Q(K)-Q(K-1))*LOG(T(J)-T(K-1)))

LOG(DT) IS LOG BASE 10 OF CONSTANT RATE TRANSIENT TIMES

DRAWDOWN TEST 10 OF 8/31-11/2/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: M-D10
WASP FILE: BF-D10

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW QSF RESBPD
22	2. 226111	4274. 975	11037. 890	M	6939. 00
23	40. 62611	5370. 975	11285. 041	M	0. 00
45	41. 28028	5190. 975	11103. 618	M	4831. 49
46	41. 45333	5378. 975	11280. 987	M	0. 00
96	46. 52056	4653. 975	10548. 178	M	9794. 89
97	196. 2428	5584. 975	11358. 176	M	0. 00
100	198. 6094	5284. 975	11208. 042	M	2695. 99
101	378. 2733	5340. 975	11416. 257	M	0. 00
219	409. 1158	4972. 975	10968. 888	M	6448. 85
220	505. 1969	--	11396. 530	M	0. 00
352	531. 4761	5065. 975	10718. 872	M	8561. 75
353	565. 8206	5679. 975	11385. 300	M	0. 00
744	709. 8372	4604. 975	10247. 650	M	10914. 19
745	886. 1281	5591. 975	11284. 500	M	0. 00
746	886. 6761	4624. 975	10500. 000	E	8331. 00
747	887. 4986	5175. 975	10600. 000	E	0. 00
748	900. 8594	4596. 975	10000. 000	E	8331. 00
749	910. 8281	5221. 975	10800. 000	E	0. 00
750	930. 3428	4243. 975	10000. 000	E	11575. 00
751	931. 4094	5228. 975	10000. 000	E	0. 00
752	1055. 859	4839. 975	10000. 000	E	9801. 00
753	1095. 876	5084. 975	11000. 000	E	0. 00
754	1382. 493	4124. 975	10000. 000	E	9568. 00
755	1384. 779	4953. 975	10999. 360	M	0. 00
975	1506. 403	--	10192. 420	M	9491. 23
976	1696. 676	--	11037. 100	M	0. 00
999	2197. 726	--	10283. 000	E	9422. 94
1000	2205. 909	--	10400. 000	E	0. 00
1003	2248. 093	--	10320. 000	E	9515. 17
1004	2254. 843	--	10400. 000	E	0. 00
1035	2925. 843	--	10438. 000	E	9503. 27
1036	2928. 492	--	10489. 562	M	0. 00
1121	2943. 826	--	10125. 388	M	9352. 91
1122	3036. 843	--	10512. 000	M	0. 00
1123	3039. 259	4129. 975	10000. 000	M	7555. 00

DRAWDOWN TEST 10 OF 8/31-11/2/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: M-D10
WASP FILE: BF-D10

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
1124	3040.009	4484.975	10000.000	E	0.00
1125	3067.509	4122.975	10000.000	E	8740.00
1126	3212.109	4416.975	10000.000	E	0.00
1132	3378.909	4114.975	10000.000	E	9220.17
1133	3382.543	4144.975	10000.000	E	0.00
1167	4524.343	3771.975	10000.000	E	9039.49
1168	4529.323	--	10085.530	M	0.00
1169	4530.243	--	10064.120	M	5000.00
1170	4537.158	--	10199.810	M	0.00
1172	4537.226	--	10193.820	M	5000.00
1174	4537.466	--	10187.330	M	5000.00
1176	4537.467	--	10172.880	M	5000.00
1179	4537.470	--	10152.830	M	5000.00
1181	4537.471	--	10133.190	M	5000.00
1183	4537.474	--	10122.970	M	5000.00
1186	4537.487	--	10107.640	M	5000.00
1188	4537.513	--	10099.860	M	5000.00
1190	4537.651	--	10091.240	M	5000.00
1193	4537.843	--	10088.000	M	5000.00
1194	4537.847	--	10087.970	M	4896.00
1195	4538.026	--	10086.280	M	4896.00
1196	4538.193	--	10085.270	M	4896.00
1197	4538.359	--	10084.160	M	4896.00
1198	4538.543	--	10083.410	M	4896.00
1199	4538.593	--	10083.500	M	4896.00
1200	4538.609	--	10083.420	M	6432.00
1201	4538.705	--	10088.490	M	6432.00
1202	4538.708	--	10014.770	M	6432.00
1203	4538.709	--	9990.160	M	6432.00
1204	4538.711	--	9973.900	M	6432.00
1205	4538.712	--	9965.840	M	6432.00
1206	4538.714	--	9957.980	M	6432.00
1207	4538.722	--	9948.370	M	6432.00
1208	4538.730	--	9941.340	M	6432.00
1209	4538.764	--	9935.950	M	6432.00

DRAWDOWN TEST 10 OF 8/31-11/2/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: M-D10
WASP FILE: BF-D10

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
1210	4538.843	--	9937.440	M	6432.00
1211	4538.851	--	9937.030	M	9504.00
1212	4539.026	--	9933.770	M	9504.00
1213	4539.093	--	9932.560	M	9504.00
1214	4539.109	--	9930.710	M	8928.00
1215	4539.343	--	9926.430	M	8928.00
1216	4539.609	--	9922.690	M	9000.00
1217	4539.859	--	9925.250	M	9000.00
1218	4540.109	--	9923.250	M	9000.00
1219	4540.343	--	9913.190	M	9000.00
1220	4540.609	--	9912.520	M	8832.00
1221	4540.859	--	9912.620	M	8832.00
1222	4541.109	--	9910.580	M	8832.00
1223	4541.343	--	9915.480	M	8832.00
1224	4541.609	--	9915.980	M	8520.00
1225	4541.859	--	9917.210	M	8520.00
1226	4542.043	--	9911.830	M	8520.00
1227	4542.343	--	9914.480	M	8520.00
1228	4542.609	--	9913.650	M	8928.00
1229	4542.859	--	9913.250	M	8928.00
1230	4543.109	--	9913.540	M	8928.00
1231	4543.359	--	9913.880	M	8928.00
1232	4543.609	--	9912.990	M	8928.00
1233	4543.859	--	9913.120	M	8928.00
1234	4544.109	--	9912.410	M	8928.00
1235	4544.343	--	9912.440	M	8928.00
1236	4544.609	--	9911.720	M	8976.00
1237	4544.859	--	9910.410	M	8976.00
1238	4545.109	--	9910.750	M	8976.00
1239	4545.359	--	9910.550	M	8976.00
1240	4545.609	--	9911.370	M	8976.00
1241	4545.859	--	9912.610	M	8976.00
1242	4546.109	--	9912.760	M	8976.00
1243	4546.343	--	9913.710	M	8976.00
1244	4546.609	--	9911.920	M	8292.00

DRAWDOWN TEST 10 OF 8/31-11/2/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: M-D10
 WASP FILE: BF-D10

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SHORT TERM WELL TEST
 MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW QSF RESBPD
1245	4546.859	--	9911.650	M	8292.00
1246	4547.109	--	9910.730	M	8292.00
1247	4547.359	--	9910.640	M	8292.00
1248	4547.609	--	9910.270	M	8292.00
1249	4547.859	--	9907.070	M	8292.00
1250	4548.109	--	9906.420	M	8292.00
1251	4548.343	--	9907.710	M	8292.00
1252	4548.593	--	9906.720	M	8952.00
1253	4548.843	--	9905.970	M	8952.00
1254	4549.093	--	9905.640	M	8952.00
1255	4549.343	--	9905.960	M	8952.00
1256	4549.593	--	9905.310	M	8952.00
1257	4549.859	--	9905.010	M	8952.00
1258	4550.093	--	9904.270	M	8952.00
1259	4550.343	--	9904.150	M	8952.00
1260	4550.609	--	9907.630	M	8940.00
1261	4550.859	--	9907.810	M	8940.00
1262	4551.109	--	9908.950	M	8940.00
1263	4551.343	--	9908.410	M	8940.00
1264	4551.593	--	9908.980	M	8940.00
1265	4551.843	--	9909.610	M	8940.00
1266	4552.093	--	9909.950	M	8940.00
1267	4552.343	--	9909.030	M	8940.00
1268	4552.609	--	9908.650	M	8520.00
1269	4552.859	--	9908.310	M	8520.00
1270	4553.109	--	9908.000	M	8520.00
1271	4553.359	--	9908.770	M	8520.00
1272	4553.609	--	9907.280	M	8520.00
1273	4553.843	--	9907.150	M	8520.00
1274	4554.109	--	9906.230	M	8520.00
1275	4554.359	--	9906.080	M	8520.00
1276	4554.609	--	9906.600	M	8520.00
1277	4554.930	--	9905.980	M	8520.00

* M - MEASURED, E - ESTIMATED
 C - CALCULATED

DRAWDOWN TEST 10 OF 8/31-11/2/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: M-D10
WASP FILE: BF-D10

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE (MPW) PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
22	2. 22611	11022. 865	14992. 9940	2411. 62	0. 00000	0. 00000
23	40. 6261	11270. 016	15526. 7378	169. 82	0. 00000	0. 00000
45	41. 2803	11088. 593	15133. 4093	-723. 44	0. 00000	0. 00000
46	41. 4533	11265. 962	15517. 8561	3449. 03	0. 00000	0. 00000
96	46. 5206	10533. 153	13980. 7487	7297. 74	0. 00000	0. 00000
97	196. 243	11343. 151	15686. 4000	184. 81	0. 00000	0. 00000
100	198. 609	11193. 017	15358. 7621	1190. 76	0. 00000	0. 00000
101	378. 273	11401. 232	15817. 6000	101. 66	0. 00000	0. 00000
219	409. 116	10953. 863	14846. 7655	9695. 58	0. 00000	0. 00000
220	505. 197	11381. 505	15779. 2000	851. 70	0. 00000	0. 00000
352	531. 476	10703. 847	14326. 8924	12851. 87	0. 00000	0. 00000
353	565. 821	11370. 275	15747. 2000	2679. 43	0. 00000	0. 00000
744	709. 837	10232. 625	13388. 1851	24391. 08	0. 00000	0. 00000
745	886. 128	11269. 475	15525. 5531	3310. 54	0. 00000	0. 00000
746	886. 676	10484. 975	13884. 3186	1127. 47	0. 00000	0. 00000
747	887. 499	10584. 975	14085. 0930	5140. 02	0. 00000	0. 00000
748	900. 859	9984. 975	12915. 6149	12643. 72	0. 00000	0. 00000
749	910. 828	10784. 975	14493. 8919	6172. 44	0. 00000	0. 00000
750	930. 343	9984. 975	12915. 6149	19151. 01	0. 00000	0. 00000
751	931. 409	9984. 975	12915. 6149	19043. 42	0. 00000	0. 00000
752	1055. 86	9984. 975	12915. 6149	23564. 28	0. 00000	0. 00000
753	1095. 88	10984. 975	14912. 5498	8651. 68	0. 00000	0. 00000
754	1382. 49	9984. 975	12915. 6149	26345. 23	0. 00000	0. 00000
755	1384. 78	10984. 335	14911. 1941	22929. 84	0. 00000	0. 00000
975	1506. 40	10177. 395	13281. 5793	27041. 31	0. 00000	0. 00000
976	1696. 68	11022. 075	14991. 3139	6490. 12	0. 00000	0. 00000
999	2197. 73	10267. 975	13456. 7882	28475. 48	0. 00000	0. 00000
1000	2205. 91	10384. 975	13685. 9241	19914. 77	0. 00000	0. 00000
1003	2248. 09	10304. 975	13528. 9043	28147. 18	0. 00000	0. 00000
1004	2254. 84	10384. 975	13685. 9241	20386. 44	0. 00000	0. 00000
1035	2925. 84	10422. 975	13761. 0354	31034. 47	0. 00000	0. 00000
1036	2928. 49	10474. 537	13863. 4988	27020. 63	0. 00000	0. 00000

DRAWDOWN TEST 10 OF 8/31-11/2/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

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 WASP FILE: BF-D10

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SHORT TERM WELL TEST
 PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BD	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BD PER CYCLE
1121	2943.83	10110.363	13153.1350	30243.33	0.00000	0.00000
1122	3036.84	10496.975	13908.2853	12484.08	0.00000	0.00000
1123	3039.26	9984.975	12915.6149	15281.37	0.00000	0.00000
1124	3040.01	9984.975	12915.6149	17082.27	0.00000	0.00000
1125	3067.51	9984.975	12915.6149	24251.30	0.00000	0.00000
1126	3 -11	9984.975	12915.6149	9268.51	0.00000	0.00000
1132	3378.91	9984.975	12915.6149	27743.90	0.00000	0.00000
1133	3382.54	9984.975	12915.6149	22633.00	0.00000	0.00000
1167	4524.34	9984.975	12915.6149	31564.45	0.00000	0.00000
1168	4529.32	10070.505	13077.2459	25269.06	0.00000	0.00000
1169	4530.24	10049.095	13036.6310	24423.02	0.00000	0.00000
1170	4537.16	10184.785	13295.8028	21841.92	0.00000	0.00000
1172	4537.23	10178.795	13284.2729	15991.83	0.00000	0.00000
1174	4537.47	10172.305	13271.7898	19185.12	0.00000	0.00000
1176	4537.47	10157.855	13244.0310	19190.70	0.00000	0.00000
1179	4537.47	10137.805	13205.5937	19207.34	0.00000	0.00000
1181	4537.47	10118.165	13168.0315	19214.70	0.00000	0.00000
1183	4537.47	10107.945	13148.5203	19234.77	0.00000	0.00000
1186	4537.49	10092.615	13119.2980	19318.33	0.00000	0.00000
1188	4537.51	10084.835	13104.4882	19477.07	0.00000	0.00000
1190	4537.65	10076.215	13088.0954	20143.05	0.00000	0.00000
1193	4537.84	10072.975	13081.9382	20793.90	0.00000	0.00000
1194	4537.85	10072.945	13081.8812	21053.27	-2.38021	-1.24413
1195	4538.03	10071.255	13078.6706	21327.30	-0.73676	0.51424
1196	4538.19	10070.245	13076.7521	21627.27	-0.45593	0.71485
1197	4538.36	10069.135	13074.6439	21882.56	-0.28679	0.86298
1198	4538.54	10068.385	13073.2196	22121.55	-0.15490	0.94045
1199	4538.59	10068.475	13073.3905	22180.43	-0.12494	0.93185
1200	4538.61	10068.395	13073.2386	19468.28	-0.11539	0.93950
1201	4538.71	10073.465	13082.8693	20847.02	-0.06424	-0.03104
1202	4538.71	9999.745	12943.4087	20866.21	-0.06284	2.14154
1203	4538.71	9975.135	12897.1256	20875.66	-0.06215	2.26673

DRAWDOWN TEST 10 OF 8/31-11/2/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
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VERMILION PARISH, LA.

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
1204	4538.71	9958.875	12866.6207	20885.01	-0.06145	2.33308
1205	4538.71	9950.815	12851.5216	20894.27	-0.06076	2.36251
1206	4538.71	9942.955	12836.8112	20903.44	-0.06006	2.38939
1207	4538.72	9933.345	12818.8444	20960.06	-0.05565	2.42011
1208	4538.73	9926.315	12805.7142	21006.97	-0.05183	2.44126
1209	4538.76	9920.925	12795.6546	21185.79	-0.03582	2.45680
1210	4538.84	9922.415	12798.4348	21517.24	0.00000	2.45256
1211	4538.85	9922.005	12797.6697	15159.78	0.00360	2.45373
1212	4539.03	9918.745	12791.5878	19784.09	0.07311	2.46292
1213	4539.09	9917.535	12789.3310	20347.76	0.09691	2.46629
1214	4539.11	9915.685	12785.8812	21493.19	0.10266	2.47138
1215	4539.34	9911.405	12777.9028	22074.18	0.17609	2.48292
1216	4539.61	9907.665	12770.9345	22792.67	0.24715	2.49277
1217	4539.86	9910.225	12775.7039	23374.26	0.30463	2.48605
1218	4540.11	9908.225	12771.9777	23849.21	0.35539	2.49131
1219	4540.34	9898.165	12753.2482	24226.05	0.39794	2.51679
1220	4540.61	9897.495	12752.0016	24695.29	0.44196	2.51843
1221	4540.86	9897.595	12752.1876	24953.30	0.47953	2.51819
1222	4541.11	9895.555	12748.3926	25197.62	0.51410	2.52316
1223	4541.34	9900.455	12757.5097	25408.58	0.54407	2.51112
1224	4541.61	9900.955	12758.4403	25809.51	0.57596	2.50987
1225	4541.86	9902.185	12760.7298	25911.04	0.60387	2.50679
1226	4542.04	9896.805	12750.7179	26000.83	0.62325	2.52012
1227	4542.34	9899.455	12755.6486	26151.77	0.65321	2.51360
1228	4542.61	9898.625	12754.1041	26048.79	0.67821	2.51565
1229	4542.86	9898.225	12753.3598	26284.17	0.70042	2.51664
1230	4543.11	9898.515	12753.8994	26466.98	0.72154	2.51593
1231	4543.36	9898.855	12754.5321	26624.48	0.74168	2.51509
1232	4543.61	9897.965	12752.8761	26765.67	0.76092	2.51728
1233	4543.86	9898.095	12753.1179	26894.81	0.77936	2.51696
1234	4544.11	9897.385	12751.7969	27014.34	0.79704	2.51870
1235	4544.34	9897.415	12751.8528	27118.64	0.81291	2.51863

DRAWDOWN TEST 10 OF 8/31-11/2/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
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PARC PERDUE FIELD
VERMILION PARISH, LA.

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*80	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*80 PER CYCLE
1236	4544.61	9896.695	12750.5133	27202.91	0.83037	2.52039
1237	4544.86	9895.385	12748.0764	27315.26	0.84613	2.52357
1238	4545.11	9895.725	12748.7088	27416.67	0.86134	2.52274
1239	4545.36	9895.525	12748.3368	27510.89	0.87603	2.52323
1240	4545.61	9896.345	12749.8622	27599.42	0.89023	2.52124
1241	4545.86	9897.585	12752.1690	27683.11	0.90399	2.51821
1242	4546.11	9897.735	12752.4481	27762.54	0.91733	2.51784
1243	4546.34	9898.685	12754.2158	27833.23	0.92942	2.51551
1244	4546.61	9896.895	12750.8853	28302.95	0.94283	2.51990
1245	4546.86	9896.625	12750.3830	28175.47	0.95505	2.52056
1246	4547.11	9895.705	12748.6716	28124.30	0.96692	2.52279
1247	4547.36	9895.615	12748.5042	28103.82	0.97848	2.52301
1248	4547.61	9895.245	12747.8160	28099.35	0.98975	2.52391
1249	4547.86	9892.045	12741.8651	28104.34	1.00072	2.53157
1250	4548.11	9891.395	12740.6566	28115.32	1.01143	2.53311
1251	4548.34	9892.685	12743.0551	28129.15	1.02119	2.53005
1252	4548.59	9891.695	12741.2144	27749.23	1.03141	2.53240
1253	4548.84	9890.945	12739.8200	27967.21	1.04139	2.53418
1254	4549.09	9890.615	12739.2066	28103.99	1.05115	2.53495
1255	4549.34	9890.935	12739.8015	28207.85	1.06070	2.53420
1256	4549.59	9890.285	12738.5931	28293.72	1.07004	2.53573
1257	4549.86	9889.985	12738.0355	28372.86	1.07978	2.53644
1258	4550.09	9889.245	12736.6600	28434.73	1.08814	2.53817
1259	4550.34	9889.125	12736.4369	28495.36	1.09691	2.53845
1260	4550.61	9892.605	12742.9064	28561.86	1.10608	2.53024
1261	4550.86	9892.785	12743.2411	28610.48	1.11450	2.52981
1262	4551.11	9893.925	12745.3610	28657.42	1.12276	2.52708
1263	4551.34	9893.385	12744.3568	28699.40	1.13033	2.52838
1264	4551.59	9893.955	12745.4168	28742.50	1.13830	2.52701
1265	4551.84	9894.585	12746.5885	28783.78	1.14613	2.52550
1266	4552.09	9894.925	12747.2208	28823.41	1.15381	2.52468
1267	4552.34	9894.005	12745.5098	28861.53	1.16137	2.52689

DRAWDOWN TEST 10 OF 8/31-11/2/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
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 VERMILION PARISH, LA.

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SHORT TERM WELL TEST
 PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
1268	4552.61	9893.625	12744.8031	29141.75	1.16928	2.52780
1269	4552.86	9893.285	12744.1708	29056.46	1.17657	2.52862
1270	4553.11	9892.975	12743.5944	29018.63	1.18374	2.52936
1271	4553.36	9893.745	12745.0263	29000.21	1.19080	2.52752
1272	4553.61	9892.255	12742.2556	28992.12	1.19774	2.53107
1273	4553.84	9892.125	12742.0139	28990.29	1.20412	2.53138
1274	4554.11	9891.205	12740.3034	28992.61	1.21130	2.53356
1275	4554.36	9891.055	12740.0245	28997.74	1.21792	2.53392
1276	4554.61	9891.575	12740.9913	29004.87	1.22445	2.53269
1277	4554.93	9890.955	12739.8386	29016.09	1.23267	2.53415

*SUPERPOSED RATE-TIME SCHEDULE:

$SUM((Q(K)-Q(K-1))*LOG(T(J)-T(K-1)))$

LOG(DT) IS LOG BASE 10 OF CONSTANT RATE TRANSIENT TIMES

BUILDUP TEST 10 OF 11/2-5/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

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SHORT TERM WELL TEST
 MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW QSF RESBPD
22	2. 226111	4274. 975	11037. 890	M	6939. 00
23	40. 62611	5370. 975	11285. 041	M	0. 00
45	41. 28028	5190. 975	11103. 618	M	4831. 49
46	41. 45333	5378. 975	11280. 987	M	0. 00
96	46. 52056	4653. 975	10548. 178	M	9794. 89
97	196. 2428	5584. 975	11358. 176	M	0. 00
100	198. 6094	5284. 975	11208. 042	M	2695. 99
101	378. 2733	5340. 975	11416. 257	M	0. 00
219	409. 1158	4972. 975	10968. 888	M	6448. 85
220	505. 1969	--	11396. 530	M	0. 00
352	531. 4761	5065. 975	10718. 872	M	8561. 75
353	565. 8206	5679. 975	11385. 300	M	0. 00
744	709. 8372	4604. 975	10247. 650	M	10914. 19
745	886. 1281	5591. 975	11284. 500	M	0. 00
746	886. 6761	4624. 975	10500. 000	E	8331. 00
747	887. 4986	5175. 975	10600. 000	E	0. 00
748	900. 8594	4596. 975	10000. 000	E	8331. 00
749	910. 8281	5221. 975	10800. 000	E	0. 00
750	930. 3428	4243. 975	10000. 000	E	11575. 00
751	931. 4094	5228. 975	10000. 000	E	0. 00
752	1055. 859	4839. 975	10000. 000	E	9801. 00
753	1095. 876	5084. 975	11000. 000	E	0. 00
754	1382. 493	4124. 975	10000. 000	E	9568. 00
755	1384. 779	4953. 975	10999. 360	M	0. 00
975	1506. 403	--	10192. 420	M	9491. 23
976	1696. 676	--	11037. 100	E	0. 00
999	2197. 726	--	10283. 000	E	9422. 94
1000	2205. 909	--	10400. 000	E	0. 00
1003	2248. 093	--	10320. 000	E	9515. 17
1004	2254. 843	--	10400. 000	E	0. 00
1035	2925. 843	--	10438. 000	E	9503. 27
1036	2928. 492	--	10489. 562	M	0. 00
1121	2943. 826	--	10125. 388	M	9352. 91
1122	3036. 843	--	10512. 000	E	0. 00
1123	3039. 259	4129. 975	10000. 000	E	7555. 00

BUILDUP TEST 10 OF 11/2-5/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
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VERMILION PARISH, LA.

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
1124	3040.009	4484.975	10000.000	E	0.00
1125	3067.509	4122.975	10000.000	E	8740.00
1126	3212.109	4416.975	10000.000	E	0.00
1132	3378.909	4114.975	10000.000	E	9220.17
1133	3382.543	4144.975	10000.000	E	0.00
1167	4524.343	3771.975	10000.000	E	9039.49
1168	4529.323	--	10085.530	M	0.00
1169	4530.243	--	10064.120	M	5000.00
1170	4537.158	--	10199.810	M	0.00
1277	4554.931	--	9907.980	M	8433.62
1281	4554.932	--	10097.030	M	0.00
1285	4554.943	--	10140.450	M	0.00
1290	4554.994	--	10160.630	M	0.00
1294	4555.134	--	10167.660	M	0.00
1299	4555.459	--	10173.250	M	0.00
1303	4555.843	--	10175.440	M	0.00
1307	4556.559	--	10178.630	M	0.00
1312	4557.609	--	10181.020	M	0.00
1316	4558.593	--	10183.120	M	0.00
1321	4559.843	--	10184.570	M	0.00
1325	4560.843	--	10184.910	M	0.00
1330	4562.093	--	10185.940	M	0.00
1334	4563.093	--	10186.760	M	0.00
1338	4564.093	--	10187.410	M	0.00
1343	4565.343	--	10188.100	M	0.00
1347	4566.343	--	10189.320	M	0.00
1352	4567.593	--	10189.440	M	0.00
1356	4568.593	--	10190.630	M	0.00
1360	4569.593	--	10190.570	M	0.00
1365	4570.843	--	10191.790	M	0.00
1369	4571.843	--	10191.680	M	0.00
1374	4573.093	--	10192.280	M	0.00
1378	4574.093	--	10192.710	M	0.00
1383	4575.343	--	10193.820	M	0.00
1387	4576.343	--	10193.630	M	0.00

BUILDUP TEST 10 OF 11/2-5/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
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VERMILION PARISH, LA.

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
1391	4577.343	--	10194.060	M	0.00
1396	4578.593	--	10194.570	M	0.00
1400	4579.593	--	10194.950	M	0.00
1405	4580.843	--	10195.440	M	0.00
1409	4581.843	--	10195.810	M	0.00
1413	4582.843	--	10196.210	M	0.00
1418	4584.093	--	10197.280	M	0.00
1422	4585.093	--	10197.040	M	0.00
1427	4586.343	--	10198.100	M	0.00
1431	4587.343	--	10198.460	M	0.00
1436	4588.593	--	10198.900	M	0.00
1440	4589.593	--	10198.630	M	0.00
1444	4590.593	--	10199.520	M	0.00
1449	4591.843	--	10199.300	M	0.00
1453	4592.843	--	10200.170	M	0.00
1458	4594.093	--	10200.010	M	0.00
1462	4595.093	--	10200.980	M	0.00
1466	4596.093	--	10200.750	M	0.00
1471	4602.843	--	10202.850	M	0.00
1475	4604.843	--	10203.470	M	0.00
1480	4607.343	--	10204.250	M	0.00
1484	4609.343	--	10205.470	M	0.00
1489	4611.843	--	10205.580	M	0.00
1493	4613.843	--	10206.130	M	0.00
1497	4615.843	--	10206.660	M	0.00
1502	4618.343	--	10207.390	M	0.00
1506	4620.343	--	10207.970	M	0.00
1511	4622.843	--	10208.890	M	0.00
1515	4624.843	--	10209.610	M	0.00
1520	4627.343	--	10210.260	M	0.00

* M - MEASURED, E - ESTIMATED
C - CALCULATED

BUILDUP TEST 10 OF 11/2-5/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE (MPW) PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
22	2.22611	11022.865	14992.9940	2411.62	0.00000	0.00000
23	40.6261	11270.016	15526.7378	169.82	0.00000	0.00000
45	41.2803	11088.593	15133.4093	-723.44	0.00000	0.00000
46	41.4533	11265.962	15517.8561	3449.03	0.00000	0.00000
96	46.5206	10533.153	13980.7487	7297.74	0.00000	0.00000
97	196.243	11343.151	15686.4000	184.81	0.00000	0.00000
100	198.609	11193.017	15358.7621	1190.76	0.00000	0.00000
101	378.273	11401.232	15817.6000	101.66	0.00000	0.00000
219	409.116	10953.863	14846.7655	9695.58	0.00000	0.00000
220	505.197	11381.505	15779.2000	851.70	0.00000	0.00000
352	531.476	10703.847	14326.8924	12851.87	0.00000	0.00000
353	565.821	11370.275	15747.2000	2679.43	0.00000	0.00000
744	709.837	10232.625	13388.1851	24391.08	0.00000	0.00000
745	886.128	11269.475	15525.5531	3310.54	0.00000	0.00000
746	886.676	10484.975	13884.3186	1127.47	0.00000	0.00000
747	887.499	10584.975	14085.0930	5140.02	0.00000	0.00000
748	900.859	9984.975	12915.6149	12643.72	0.00000	0.00000
749	910.828	10784.975	14493.8919	6172.44	0.00000	0.00000
750	930.343	9984.975	12915.6149	19151.01	0.00000	0.00000
751	931.409	9984.975	12915.6149	19043.42	0.00000	0.00000
752	1055.86	9984.975	12915.6149	23564.28	0.00000	0.00000
753	1095.88	10984.975	14912.5498	8651.68	0.00000	0.00000
754	1382.49	9984.975	12915.6149	26345.23	0.00000	0.00000
755	1384.78	10984.335	14911.1941	22929.84	0.00000	0.00000
975	1506.40	10177.395	13281.5793	27041.31	0.00000	0.00000
976	1696.68	11022.075	14991.3139	6490.12	0.00000	0.00000
999	2197.73	10267.975	13456.7882	28475.48	0.00000	0.00000
1000	2205.91	10384.975	13685.9241	19914.77	0.00000	0.00000
1003	2248.09	10304.975	13528.9043	28147.18	0.00000	0.00000
1004	2254.84	10384.975	13685.9241	20386.44	0.00000	0.00000
1035	2925.84	10422.975	13761.0354	31034.47	0.00000	0.00000
1036	2928.49	10474.537	13863.4988	27020.63	0.00000	0.00000

BUILDUP TEST 10 OF 11/2-5/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: M-B10
WASP FILE: BF-B10

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*80	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*80 PER CYCLE
1121	2943.83	10110.363	13153.1350	30243.33	0.00000	0.00000
1122	3036.84	10496.975	13908.2853	12484.08	0.00000	0.00000
1123	3039.26	9984.975	12915.6149	15281.37	0.00000	0.00000
1124	3040.01	9984.975	12915.6149	17082.27	0.00000	0.00000
1125	3067.51	9984.975	12915.6149	24251.30	0.00000	0.00000
1126	3212.11	9984.975	12915.6149	9268.51	0.00000	0.00000
1132	3378.91	9984.975	12915.6149	27743.90	0.00000	0.00000
1133	3382.54	9984.975	12915.6149	22633.00	0.00000	0.00000
1167	4524.34	9984.975	12915.6149	31564.45	0.00000	0.00000
1168	4529.32	10070.505	13077.2459	25269.06	0.00000	0.00000
1169	4530.24	10049.095	13036.6310	24423.02	0.00000	0.00000
1170	4537.16	10184.785	13295.8028	21841.92	0.00000	0.00000
1277	4554.93	9892.955	12743.5572	28801.76	0.00000	0.00000
1281	4554.93	10082.005	13099.1045	53716.76	-2.95424	2.55090
1285	4554.94	10125.425	13181.9062	44934.91	-1.91285	2.64182
1290	4554.99	10145.605	13220.5359	38929.21	-1.20028	2.67850
1294	4555.13	10152.635	13234.0150	34651.38	-0.69179	2.69060
1299	4555.46	10158.225	13244.7412	31177.87	-0.27709	2.70000
1303	4555.84	10160.415	13248.9453	29207.00	-0.04016	2.70363
1307	4556.56	10163.605	13255.0712	27131.08	0.21174	2.70886
1312	4557.61	10165.995	13259.6623	25374.30	0.42786	2.71274
1316	4558.59	10168.095	13263.6974	24285.56	0.56368	2.71612
1321	4559.84	10169.545	13266.4841	23275.72	0.69123	2.71844
1325	4560.84	10169.885	13267.1376	22645.28	0.77171	2.71898
1330	4562.09	10170.915	13269.1175	21998.30	0.85501	2.72062
1334	4563.09	10171.735	13270.6939	21560.59	0.91178	2.72192
1338	4564.09	10172.385	13271.9436	21175.55	0.96197	2.72295
1343	4565.34	10173.075	13273.2704	20751.53	1.01752	2.72404
1347	4566.34	10174.295	13275.6164	20448.68	1.05735	2.72596
1352	4567.59	10174.415	13275.8472	20106.51	1.10249	2.72615
1356	4568.59	10175.605	13278.1359	19856.90	1.13550	2.72801
1360	4569.59	10175.545	13278.0205	19625.33	1.16618	2.72792

BUILDUP TEST 10 OF 11/2-5/82
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: M-B10
WASP FILE: BF-B10

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*80	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*80 PER CYCLE
1365	4570.84	10176.765	13280.3673	19357.53	1.20172	2.72982
1369	4571.84	10176.655	13280.1557	19158.24	1.22819	2.72965
1374	4573.09	10177.255	13281.3099	18925.25	1.25916	2.73058
1378	4574.09	10177.685	13282.1372	18750.21	1.28243	2.73125
1383	4575.34	10178.795	13284.2729	18543.85	1.30988	2.73297
1387	4576.34	10178.605	13283.9073	18387.67	1.33065	2.73268
1391	4577.34	10179.035	13284.7347	18238.59	1.35047	2.73334
1396	4578.59	10179.545	13285.7161	18061.26	1.37405	2.73413
1400	4579.59	10179.925	13286.4474	17925.96	1.39202	2.73471
1405	4580.84	10180.415	13287.3904	17764.24	1.41350	2.73547
1409	4581.84	10180.785	13288.1025	17640.30	1.42994	2.73603
1413	4582.84	10181.185	13288.8723	17520.80	1.44579	2.73665
1418	4584.09	10182.255	13290.9319	17377.19	1.46481	2.73828
1422	4585.09	10182.015	13290.4699	17266.57	1.47946	2.73792
1427	4586.34	10183.075	13292.5105	17133.22	1.49709	2.73954
1431	4587.34	10183.435	13293.2036	17030.21	1.51070	2.74008
1436	4588.59	10183.875	13294.0507	16905.70	1.52714	2.74075
1440	4589.59	10183.605	13293.5309	16809.28	1.53985	2.74034
1444	4590.59	10184.495	13295.2444	16715.52	1.55220	2.74169
1449	4591.84	10184.275	13294.8208	16601.83	1.56716	2.74136
1453	4592.84	10185.145	13296.4961	16513.52	1.57877	2.74268
1458	4594.09	10184.985	13296.1880	16406.25	1.59286	2.74244
1462	4595.09	10185.955	13298.0559	16322.78	1.60381	2.74390
1466	4596.09	10185.725	13297.6130	16241.29	1.61449	2.74355
1471	4602.84	10187.825	13301.6576	15736.43	1.68044	2.74671
1475	4604.84	10188.445	13302.8519	15599.93	1.69820	2.74764
1480	4607.34	10189.225	13304.3546	15436.50	1.71943	2.74881
1484	4609.34	10190.445	13306.7052	15311.04	1.73569	2.75062
1489	4611.84	10190.555	13306.9171	15160.29	1.75520	2.75079
1493	4613.84	10191.105	13307.9769	15044.20	1.77020	2.75160
1497	4615.84	10191.635	13308.9983	14931.81	1.78470	2.75239
1502	4618.34	10192.365	13310.4052	14796.20	1.80217	2.75347

BUILDUP TEST 10 OF 11/2-5/82
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO.1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: M-B10
 WASP FILE: BF-B10

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SHORT TERM WELL TEST
 PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*80	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*80 PER CYCLE
1506	4620.34	10192.945	13311.5230	14691.36	1.81566	2.75432
1511	4622.84	10193.865	13313.2964	14564.54	1.83194	2.75568
1515	4624.84	10194.585	13314.6843	14466.28	1.84455	2.75673
1520	4627.34	10195.235	13315.9375	14347.17	1.85981	2.75768

*SUPERPOSED RATE-TIME SCHEDULE:

$SUM((Q(K)-Q(K-1))*LOG(T(J)-T(K-1)))$

LOG(DT) IS LOG BASE 10 OF CONSTANT RATE TRANSIENT TIMES

DRAWDOWN 11 OF 11/15/82-1/19/83
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: M-D11
WASP FILE: BF-D11

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
22	2. 226111	4274. 975	11037. 890	M	6939. 00
23	40. 62611	5370. 975	11285. 041	M	0. 00
45	41. 28028	5190. 975	11103. 618	M	4831. 49
46	41. 45333	5378. 975	11280. 987	M	0. 00
96	46. 52056	4653. 975	10548. 178	M	9794. 89
97	196. 2428	5584. 975	11358. 176	M	0. 00
100	198. 6094	5284. 975	11208. 042	M	2695. 99
101	378. 2733	5340. 975	11416. 257	M	0. 00
219	409. 1158	4972. 975	10968. 888	M	6448. 85
220	505. 1969	--	11396. 530	M	0. 00
352	531. 4761	5065. 975	10718. 872	M	8561. 75
353	565. 8206	5679. 975	11385. 300	M	0. 00
744	709. 8372	4604. 975	10247. 650	M	10914. 19
745	886. 1281	5591. 975	11284. 500	M	0. 00
746	886. 6761	4624. 975	10500. 000	E	8331. 00
747	887. 4986	5175. 975	10600. 000	E	0. 00
748	900. 8594	4596. 975	10000. 000	E	8331. 00
749	910. 8281	5221. 975	10800. 000	E	0. 00
750	930. 3428	4243. 975	10000. 000	E	11575. 00
751	931. 4094	5228. 975	10000. 000	E	0. 00
752	1055. 859	4839. 975	10000. 000	E	9801. 00
753	1095. 876	5084. 975	11000. 000	E	0. 00
754	1382. 493	4124. 975	10000. 000	E	9568. 00
755	1384. 779	4953. 975	10999. 360	M	0. 00
975	1506. 403	--	10192. 420	M	9491. 23
976	1696. 676	--	11037. 100	E	0. 00
999	2197. 726	--	10283. 000	E	9422. 94
1000	2205. 909	--	10400. 000	E	0. 00
1003	2248. 093	--	10320. 000	E	9515. 17
1004	2254. 843	--	10400. 000	E	0. 00
1035	2925. 843	--	10438. 000	E	9503. 27
1036	2928. 492	--	10489. 562	M	0. 00
1121	2943. 826	--	10125. 388	M	9352. 91
1122	3036. 843	--	10512. 000	M	0. 00
1123	3039. 259	4129. 975	10000. 000	E	7555. 00

DRAWDOWN 11 OF 11/15/82-1/19/83
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: M-D11
WASP FILE: BF-D11

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
1124	3040.009	4484.975	10000.000	E	0.00
1125	3067.509	4122.975	10000.000	E	8740.00
1126	3212.109	4416.975	10000.000	E	0.00
1132	3378.909	4114.975	10000.000	E	9220.17
1133	3382.543	4144.975	10000.000	E	0.00
1167	4524.343	3771.975	10000.000	E	9039.49
1168	4529.323	--	10085.530	M	0.00
1169	4530.243	--	10064.120	M	5000.00
1170	4537.158	--	10199.810	M	0.00
1277	4554.931	--	9907.980	M	8433.62
1279	4869.843	4984.975	10200.000	E	0.00
1280	4885.343	4184.975	9500.000	E	3702.00
1281	4887.426	4284.975	9650.000	E	0.00
1283	4932.343	4164.975	9500.000	E	5511.50
1284	4956.343	4144.975	9500.000	E	6434.00
1285	5028.343	4034.975	9500.000	E	7902.00
1289	5385.276	3869.975	9500.000	E	8573.28
1290	5387.676	4034.975	9600.000	E	0.00
1291	5412.343	4049.975	9500.000	E	4785.00
1292	5436.343	3984.975	9500.000	E	6340.00
1294	5531.343	3804.975	9500.000	E	9610.41
1295	5561.509	4034.975	9600.000	E	0.00
1296	5580.343	3929.975	9500.000	E	4799.00
1297	5604.343	3854.975	9500.000	E	6132.00
1298	5628.343	3689.975	9500.000	E	8757.00
1302	6204.343	3584.975	9500.000	E	9405.79
1303	6376.759	3544.975	9500.000	E	8294.00
1304	6380.759	3634.975	9500.000	E	0.00
1305	6398.593	3544.975	9500.000	E	8234.00
1306	6403.993	3634.975	9869.150	M	0.00
1307	6403.994	3670.975	9842.730	M	8127.00
1308	6403.996	3645.975	9737.240	M	8127.00
1309	6403.997	3579.975	9745.290	M	8127.00
1310	6403.998	3585.975	9722.050	M	8127.00
1311	6403.999	3576.975	9719.370	M	8127.00

DRAWDOWN 11 OF 11/15/82-1/19/83
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEZY NO.1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: M-D11
 WASP FILE: BF-D11

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SHORT TERM WELL TEST
 MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
1312	6404.001	3572.975	9712.520	M	8127.00
1313	6404.003	3566.975	9707.550	M	8127.00
1314	6404.007	3562.975	9701.930	M	8127.00
1315	6404.010	3558.975	9698.720	M	8127.00
1316	6404.015	3555.975	9695.080	M	8127.00
1317	6404.021	3552.975	9691.270	M	8127.00
1318	6404.028	3549.975	9688.050	M	8127.00
1319	6404.040	3545.975	9684.620	M	8127.00
1320	6404.074	3541.975	9678.300	M	8127.00
1321	6404.105	3538.975	9674.900	M	8127.00
1322	6404.151	3537.975	9671.820	M	8127.00
1323	6404.226	3538.975	9668.590	M	8127.00
1324	6404.343	3541.975	9665.570	M	8127.00
1325	6404.514	3542.975	9662.510	M	8127.00
1326	6404.680	3545.975	9660.940	M	8127.00
1327	6404.859	3547.975	9659.610	M	8127.00
1328	6405.043	3546.975	9657.400	M	8127.00
1329	6405.209	3547.975	9655.590	M	8127.00
1330	6405.343	3547.975	9654.610	M	8127.00
1331	6405.609	3546.975	9653.110	M	8328.00
1332	6405.859	3544.975	9652.040	M	8328.00
1333	6406.109	3546.975	9651.100	M	8328.00
1334	6406.359	3546.975	9650.070	M	8328.00
1335	6406.609	3546.975	9649.400	M	8328.00
1336	6406.859	3547.975	9648.630	M	8328.00
1337	6407.109	3546.975	9648.260	M	8328.00
1338	6407.343	3546.975	9647.730	M	8328.00
1339	6407.609	3549.975	9647.180	M	8364.00
1340	6407.859	3550.975	9646.930	M	8364.00
1341	6408.109	3549.975	9645.730	M	8364.00
1342	6408.359	3548.975	9645.830	M	8364.00
1343	6408.609	3546.975	9644.870	M	8364.00
1344	6408.859	3546.975	9644.750	M	8364.00
1345	6409.109	3545.975	9644.440	M	8364.00
1346	6409.343	3544.975	9644.230	M	8364.00

DRAWDOWN 11 OF 11/15/82-1/19/83
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: M-D11
WASP FILE: BF-D11

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW QSF RESBPD
1347	6409.609	3544.975	9643.980	M	8352.00
1348	6409.859	3544.975	9643.780	M	8352.00
1349	6410.109	3544.975	9643.350	M	8352.00
1350	6410.359	3543.975	9642.810	M	8352.00
1351	6410.609	3543.975	9642.690	M	8352.00
1352	6410.859	3544.975	9642.440	M	8352.00
1353	6411.109	3543.975	9642.030	M	8352.00
1354	6411.343	3543.975	9641.780	M	8352.00
1355	6411.609	3543.975	9641.470	M	8352.00
1356	6411.859	3543.975	9641.410	M	8352.00
1357	6412.109	3543.975	9641.250	M	8352.00
1358	6412.359	3543.975	9641.000	M	8352.00
1359	6412.609	3542.975	9640.990	M	8352.00
1360	6412.859	3542.975	9640.970	M	8352.00
1361	6413.109	3541.975	9641.270	M	8352.00
1362	6413.343	3540.975	9641.110	M	8352.00
1363	6413.609	3541.975	9640.970	M	8904.00
1364	6413.859	3540.975	9640.800	M	8904.00
1365	6414.109	3541.975	9640.650	M	8904.00
1366	6414.343	3540.975	9640.380	M	8904.00
1367	6414.859	3541.975	9640.810	M	8322.00
1368	6415.359	3540.975	9640.480	M	8322.00
1369	6415.859	3543.975	9641.840	M	8322.00
1370	6416.359	3543.975	9641.620	M	8322.00
1371	6416.859	3543.975	9641.540	M	8322.00
1372	6417.343	3542.975	9641.410	M	8322.00
1373	6417.859	3542.975	9640.600	M	8344.00
1374	6418.359	3544.975	9640.320	M	8344.00
1375	6418.859	3544.975	9640.070	M	8344.00
1376	6419.359	3543.975	9640.050	M	8344.00
1377	6419.859	3541.975	9639.880	M	8344.00
1378	6420.343	3542.975	9639.680	M	8344.00
1379	6420.859	3543.975	9639.460	M	8331.00
1380	6421.359	3541.975	9638.570	M	8331.00
1381	6421.860	3541.975	9639.090	M	8331.00

DRAWDOWN 11 OF 11/15/82-1/19/83
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: M-D11
WASP FILE: BF-D11

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW QSF RESBPD
1382	6422.343	3541.975	9638.820	M	8331.00
1383	6422.859	3540.975	9638.480	M	8331.00
1384	6423.359	3540.975	9638.270	M	8331.00
1385	6423.859	3542.975	9637.930	M	8331.00
1386	6423.929	3541.975	9637.620	M	8331.00

* M - MEASURED
C - CALCULATED

DRAWDOWN 11 OF 11/15/82-1/19/83
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: M-D11
 WASP FILE: BF-D11

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SHORT TERM WELL TEST
 PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE (MPW) PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
22	2. 22611	11022. 865	14992. 9940	2411. 62	0. 00000	0. 00000
23	40. 6261	11270. 016	15526. 7378	169. 82	0. 00000	0. 00000
45	41. 2803	11088. 593	15133. 4093	-723. 44	0. 00000	0. 00000
46	41. 4533	11265. 962	15517. 8561	3449. 03	0. 00000	0. 00000
96	46. 5206	10533. 153	13980. 7487	7297. 74	0. 00000	0. 00000
97	196. 243	11343. 151	15686. 4000	184. 81	0. 00000	0. 00000
100	198. 609	11193. 017	15358. 7621	1190. 76	0. 00000	0. 00000
101	378. 273	11401. 232	15817. 6000	101. 66	0. 00000	0. 00000
219	409. 116	10953. 863	14846. 7655	9695. 58	0. 00000	0. 00000
220	505. 197	11381. 505	15779. 2000	851. 70	0. 00000	0. 00000
352	531. 476	10703. 847	14326. 8924	12851. 87	0. 00000	0. 00000
353	565. 821	11370. 275	15747. 2000	2679. 43	0. 00000	0. 00000
744	709. 837	10232. 625	13388. 1851	24391. 08	0. 00000	0. 00000
745	886. 128	11269. 475	15525. 5531	3310. 54	0. 00000	0. 00000
746	886. 676	10484. 975	13884. 3186	1127. 47	0. 00000	0. 00000
747	887. 499	10584. 975	14085. 0930	5140. 02	0. 00000	0. 00000
748	900. 859	9984. 975	12915. 6149	12643. 72	0. 00000	0. 00000
749	910. 828	10784. 975	14493. 8919	6172. 44	0. 00000	0. 00000
750	930. 343	9984. 975	12915. 6149	19151. 01	0. 00000	0. 00000
751	931. 409	9984. 975	12915. 6149	19043. 42	0. 00000	0. 00000
752	1055. 86	9984. 975	12915. 6149	23564. 28	0. 00000	0. 00000
753	1095. 88	10984. 975	14912. 5498	8651. 68	0. 00000	0. 00000
754	1382. 49	9984. 975	12915. 6149	26345. 23	0. 00000	0. 00000
755	1384. 78	10984. 335	14911. 1941	22929. 84	0. 00000	0. 00000
975	1506. 40	10177. 395	13281. 5793	27041. 31	0. 00000	0. 00000
976	1696. 68	11022. 075	14991. 3139	6490. 12	0. 00000	0. 00000
999	2197. 73	10267. 975	13456. 7882	28475. 48	0. 00000	0. 00000
1000	2205. 91	10384. 975	13685. 9241	19914. 77	0. 00000	0. 00000
1003	2248. 09	10304. 975	13528. 9043	28147. 18	0. 00000	0. 00000
1004	2254. 84	10384. 975	13685. 9241	20386. 44	0. 00000	0. 00000
1035	2925. 84	10422. 975	13761. 0354	31034. 47	0. 00000	0. 00000
1036	2928. 49	10474. 537	13863. 4988	27020. 63	0. 00000	0. 00000

DRAWDOWN 11 OF 11/15/82-1/19/83
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: M-D11
WASP FILE: BF-D11

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*80	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*80 PER CYCLE
1121	2943.83	10110.363	13153.1350	30243.33	0.00000	0.00000
1122	3036.84	10496.975	13908.2853	12484.08	0.00000	0.00000
1123	3039.26	9984.975	12915.6149	15281.37	0.00000	0.00000
1124	3040.01	9984.975	12915.6149	17082.27	0.00000	0.00000
1125	3067.51	9984.975	12915.6149	24251.30	0.00000	0.00000
1126	3212.11	9984.975	12915.6149	9268.51	0.00000	0.00000
1132	3378.91	9984.975	12915.6149	27743.90	0.00000	0.00000
1133	3382.54	9984.975	12915.6149	22633.00	0.00000	0.00000
1167	4524.34	9984.975	12915.6149	31564.45	0.00000	0.00000
1168	4529.32	10070.505	13077.2459	25269.06	0.00000	0.00000
1169	4530.24	10049.095	13036.6310	24423.02	0.00000	0.00000
1170	4537.16	10184.785	13295.8028	21841.92	0.00000	0.00000
1277	4554.93	9892.955	12743.5572	28801.76	0.00000	0.00000
1279	4869.84	10184.975	13296.1687	9307.84	0.00000	0.00000
1280	4885.34	9484.975	12003.1677	13552.48	0.00000	0.00000
1281	4887.43	9634.975	12271.1845	12554.05	0.00000	0.00000
1283	4932.34	9484.975	12003.1677	18265.98	0.00000	0.00000
1284	4956.34	9484.975	12003.1677	20218.34	0.00000	0.00000
1285	5028.34	9484.975	12003.1677	24518.21	0.00000	0.00000
1289	5385.28	9484.975	12003.1677	29133.74	0.00000	0.00000
1290	5387.68	9584.975	12181.3101	25884.36	0.00000	0.00000
1291	5412.34	9484.975	12003.1677	23626.40	0.00000	0.00000
1292	5436.34	9484.975	12003.1677	24914.11	0.00000	0.00000
1294	5531.34	9484.975	12003.1677	31121.06	0.00000	0.00000
1295	5561.51	9584.975	12181.3101	17232.86	0.00000	0.00000
1296	5580.34	9484.975	12003.1677	21494.94	0.00000	0.00000
1297	5604.34	9484.975	12003.1677	23569.78	0.00000	0.00000
1298	5628.34	9484.975	12003.1677	27497.94	0.00000	0.00000
1302	6204.34	9484.975	12003.1677	32981.07	0.00000	0.00000
1303	6376.76	9484.975	12003.1677	30867.15	0.00000	0.00000
1304	6380.76	9484.975	12003.1677	25870.40	0.00000	0.00000
1305	6398.59	9484.975	12003.1677	30047.76	0.00000	0.00000

DRAWDOWN 11 OF 11/15/82-1/19/83
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO.1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
1306	6403.99	9854.125	12671.5207	24163.78	0.00000	0.00000
1307	6403.99	9827.705	12622.6982	154.00	-2.95424	1.68862
1308	6404.00	9722.215	12429.2931	3015.28	-2.60206	2.38422
1309	6404.00	9730.265	12443.9660	4312.46	-2.44236	2.35709
1310	6404.00	9707.025	12401.6447	5258.59	-2.32585	2.43116
1311	6404.00	9704.345	12396.7719	6003.69	-2.23408	2.43894
1312	6404.00	9697.495	12384.3242	7017.82	-2.10914	2.45818
1313	6404.00	9692.525	12375.2991	7903.41	-2.00000	2.47162
1314	6404.01	9686.905	12365.1003	8916.66	-1.87506	2.48632
1315	6404.01	9683.695	12359.2780	9702.11	-1.77815	2.49449
1316	6404.02	9680.055	12352.6785	10624.93	-1.66421	2.50358
1317	6404.02	9676.245	12345.7739	11497.98	-1.55630	2.51288
1318	6404.03	9673.025	12339.9410	12309.09	-1.45593	2.52059
1319	6404.04	9669.595	12333.7301	13296.15	-1.33359	2.52865
1320	6404.07	9663.275	12322.2928	15210.38	-1.09540	2.54311
1321	6404.11	9659.875	12316.1434	16364.03	-0.95100	2.55069
1322	6404.15	9656.795	12310.5750	17546.65	-0.80195	2.55744
1323	6404.23	9653.565	12304.7375	18872.90	-0.63306	2.56441
1324	6404.34	9650.545	12299.2817	20235.90	-0.45662	2.57082
1325	6404.51	9647.485	12293.7555	21539.49	-0.28376	2.57722
1326	6404.68	9645.915	12290.9210	22424.39	-0.16308	2.58047
1327	6404.86	9644.585	12288.5202	23142.21	-0.06243	2.58320
1328	6405.04	9642.375	12284.5318	23720.35	0.02096	2.58770
1329	6405.21	9640.565	12281.2660	24152.58	0.08497	2.59135
1330	6405.34	9639.585	12279.4981	24450.96	0.13016	2.59331
1331	6405.61	9638.085	12276.7926	24838.50	0.20847	2.59630
1332	6405.86	9637.015	12274.8629	25283.30	0.27094	2.59842
1333	6406.11	9636.075	12273.1678	25645.04	0.32554	2.60027
1334	6406.36	9635.045	12271.3107	25951.22	0.37404	2.60229
1335	6406.61	9634.375	12270.1028	26215.96	0.41766	2.60360
1336	6406.86	9633.605	12268.7148	26448.25	0.45729	2.60510
1337	6407.11	9633.235	12268.0478	26654.38	0.49361	2.60581

DRAWDOWN 11 OF 11/15/82-1/19/83
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
1338	6407.34	9632.705	12267.0925	26827.24	0.52497	2.60684
1339	6407.61	9632.155	12266.1013	26984.82	0.55824	2.60790
1340	6407.86	9631.905	12265.6507	27146.39	0.58727	2.60839
1341	6408.11	9630.705	12263.4882	27290.66	0.61449	2.61069
1342	6408.36	9630.805	12263.6684	27421.82	0.64009	2.61050
1343	6408.61	9629.845	12261.9386	27542.09	0.66428	2.61234
1344	6408.86	9629.725	12261.7224	27653.02	0.68718	2.61257
1345	6409.11	9629.415	12261.1638	27755.81	0.70894	2.61316
1346	6409.34	9629.205	12260.7855	27845.25	0.72831	2.61356
1347	6409.61	9628.955	12260.3351	27947.52	0.74944	2.61404
1348	6409.86	9628.755	12259.9748	28027.59	0.76835	2.61442
1349	6410.11	9628.325	12259.2001	28103.91	0.78648	2.61523
1350	6410.36	9627.785	12258.2274	28176.17	0.80387	2.61626
1351	6410.61	9627.665	12258.0112	28244.55	0.82060	2.61649
1352	6410.86	9627.415	12257.5609	28309.30	0.83671	2.61696
1353	6411.11	9627.005	12256.8224	28370.68	0.85224	2.61773
1354	6411.34	9626.755	12256.3721	28425.16	0.86625	2.61820
1355	6411.61	9626.445	12255.8138	28484.34	0.88173	2.61879
1356	6411.86	9626.385	12255.7057	28537.07	0.89576	2.61890
1357	6412.11	9626.225	12255.4176	28587.33	0.90935	2.61920
1358	6412.36	9625.975	12254.9673	28635.30	0.92252	2.61967
1359	6412.61	9625.965	12254.9493	28681.13	0.93531	2.61969
1360	6412.86	9625.945	12254.9133	28724.98	0.94773	2.61973
1361	6413.11	9626.245	12255.4536	28766.97	0.95981	2.61916
1362	6413.34	9626.085	12255.1654	28804.60	0.97079	2.61946
1363	6413.61	9625.945	12254.9133	28529.00	0.98300	2.61973
1364	6413.86	9625.775	12254.6072	28724.67	0.99415	2.62005
1365	6414.11	9625.625	12254.3370	28854.96	1.00501	2.62033
1366	6414.34	9625.355	12253.8508	28950.74	1.01492	2.62083
1367	6414.86	9625.785	12254.6252	29284.70	1.03607	2.62003
1368	6415.36	9625.455	12254.0309	29242.35	1.05561	2.62065
1369	6415.86	9626.815	12256.4802	29250.74	1.07431	2.61809

DRAWDOWN 11 OF 11/15/82-1/19/83
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: M-D11
 WASP FILE: BF-D11

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SHORT TERM WELL TEST
 PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
1370	6416.36	9626.595	12256.0840	29274.92	1.09223	2.61850
1371	6416.86	9626.515	12255.9399	29305.20	1.10945	2.61866
1372	6417.34	9626.385	12255.7057	29336.69	1.12546	2.61890
1373	6417.86	9625.575	12254.2470	29364.68	1.14195	2.62042
1374	6418.36	9625.295	12253.7427	29404.10	1.15734	2.62095
1375	6418.86	9625.045	12253.2926	29440.18	1.17220	2.62141
1376	6419.36	9625.025	12253.2565	29474.25	1.18656	2.62145
1377	6419.86	9624.855	12252.9504	29506.68	1.20047	2.62177
1378	6420.34	9624.655	12252.5903	29536.64	1.21350	2.62214
1379	6420.86	9624.435	12252.1941	29571.00	1.22701	2.62255
1380	6421.36	9623.545	12250.5917	29595.54	1.23970	2.62421
1381	6421.86	9624.065	12251.5279	29620.48	1.25204	2.62324
1382	6422.34	9623.795	12251.0418	29644.12	1.26362	2.62374
1383	6422.86	9623.455	12250.4297	29668.69	1.27568	2.62438
1384	6423.36	9623.245	12250.0516	29691.70	1.28704	2.62477
1385	6423.86	9622.905	12249.4395	29713.93	1.29811	2.62540
1386	6423.93	9622.595	12248.8814	29716.96	1.29963	2.62597

*SUPERPOSED RATE-TIME SCHEDULE:

$SUM((Q(K)-Q(K-1))*LOG(T(J)-T(K-1)))$

LOG(DT) IS LOG BASE 10 OF CONSTANT RATE TRANSIENT TIMES

BUILDUP TEST 11 OF 1/19 - 23/83
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

DATA FILE: M-B11
WASP FILE: BF-B11

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SHORT TERM WELL TEST
MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
22	2. 226111	4274. 975	11037. 890	M	6939. 00
23	40. 62611	5370. 975	11285. 041	M	0. 00
45	41. 28028	5190. 975	11103. 618	M	4831. 49
46	41. 45333	5378. 975	11280. 987	M	0. 00
96	46. 52056	4653. 975	10548. 178	M	9794. 89
97	196. 2428	5584. 975	11358. 176	M	0. 00
100	198. 6094	5284. 975	11208. 042	M	2695. 99
101	378. 2733	5340. 975	11416. 257	M	0. 00
219	409. 1158	4972. 975	10968. 888	M	6448. 85
220	505. 1969	--	11396. 530	M	0. 00
352	531. 4761	5065. 975	10718. 872	M	8561. 75
353	565. 8206	5679. 975	11385. 300	M	0. 00
744	709. 8372	4604. 975	10247. 650	M	10914. 19
745	886. 1281	5591. 975	11284. 500	M	0. 00
746	886. 6761	4624. 975	10500. 000	E	8331. 00
747	887. 4986	5175. 975	10600. 000	E	0. 00
748	900. 8594	4596. 975	10000. 000	E	8331. 00
749	910. 8281	5221. 975	10800. 000	E	0. 00
750	930. 3428	4243. 975	10000. 000	E	11575. 00
751	931. 4094	5228. 975	10000. 000	E	0. 00
752	1055. 859	4839. 975	10000. 000	E	9801. 00
753	1095. 876	5084. 975	11000. 000	E	0. 00
754	1382. 493	4124. 975	10000. 000	E	9568. 00
755	1384. 779	4953. 975	10999. 360	M	0. 00
975	1506. 403	--	10192. 420	M	9491. 23
976	1696. 676	--	11037. 100	M	0. 00
999	2197. 726	--	10283. 000	E	9422. 94
1000	2205. 909	--	10400. 000	E	0. 00
1003	2248. 093	--	10320. 000	E	9515. 17
1004	2254. 843	--	10400. 000	E	0. 00
1035	2925. 843	--	10438. 000	E	9503. 27
1036	2928. 492	--	10489. 562	M	0. 00
1121	2943. 826	--	10125. 388	M	9352. 91
1122	3036. 843	--	10512. 000	M	0. 00
1123	3039. 259	4129. 975	10000. 000	M	7555. 00

BUILDUP TEST 11 OF 1/19 - 23/83
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO.1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: M-B11
 WASP FILE: BF-B11

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SHORT TERM WELL TEST
 MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW GSF RESBPD
1124	3040.009	4484.975	10000.000	E	0.00
1125	3067.509	4122.975	10000.000	E	8740.00
1126	3212.109	4416.975	10000.000	E	0.00
1132	3378.909	4114.975	10000.000	E	9220.17
1133	3382.543	4144.975	10000.000	E	0.00
1167	4524.343	3771.975	10000.000	E	9039.49
1168	4529.323	--	10085.530	M	0.00
1169	4530.243	--	10064.120	M	5000.00
1170	4537.158	--	10199.810	M	0.00
1277	4554.931	--	9907.980	M	8433.62
1279	4869.843	4984.975	10200.000	E	0.00
1280	4885.343	4184.975	9500.000	E	3702.00
1281	4887.426	4284.975	9650.000	E	0.00
1283	4932.343	4164.975	9500.000	E	5511.50
1284	4956.343	4144.975	9500.000	E	6434.00
1285	5028.343	4034.975	9500.000	E	7902.00
1289	5385.276	3869.975	9500.000	E	8573.28
1290	5387.676	4034.975	9600.000	E	0.00
1291	5412.343	4049.975	9500.000	E	4785.00
1292	5436.343	3984.975	9500.000	E	6340.00
1294	5531.343	3804.975	9500.000	E	9610.41
1295	5561.509	4034.975	9600.000	E	0.00
1296	5580.343	3929.975	9500.000	E	4799.00
1297	5604.343	3854.975	9500.000	E	6132.00
1298	5628.343	3689.975	9500.000	E	8757.00
1302	6204.343	3584.975	9500.000	E	9405.79
1303	6376.759	3544.975	9500.000	E	8294.00
1304	6380.759	3634.975	9500.000	E	0.00
1305	6398.593	3544.975	9500.000	E	8234.00
1306	6403.993	3634.975	9869.150	M	0.00
1386	6423.929	3541.975	9637.620	M	8353.76
1388	6423.931	3903.975	9691.670	M	0.00
1391	6423.935	3765.975	9815.430	M	0.00
1394	6424.026	3840.975	9845.340	M	0.00
1396	6424.097	3842.975	9848.670	M	0.00

BUILDUP TEST 11 OF 1/19 - 23/83
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: M-B11
 WASP FILE: BF-B11

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SHORT TERM WELL TEST
 MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW QSF RESBPD
1399	6424.226	3842.975	9851.660	M	0.00
1402	6424.459	3848.975	9854.410	M	0.00
1405	6424.743	3846.975	9856.210	M	0.00
1407	6425.043	3843.975	9857.650	M	0.00
1410	6425.559	3840.975	9859.400	M	0.00
1413	6426.076	3837.975	9860.560	M	0.00
1416	6426.593	3835.975	9861.620	M	0.00
1418	6427.093	3832.975	9862.420	M	0.00
1421	6427.843	3832.975	9863.380	M	0.00
1424	6428.593	3829.975	9864.250	M	0.00
1427	6429.343	3823.975	9865.070	M	0.00
1429	6429.843	3825.975	9865.400	M	0.00
1432	6430.593	3823.975	9866.090	M	0.00
1435	6431.343	3823.975	9866.850	M	0.00
1438	6432.093	3823.975	9867.410	M	0.00
1440	6432.593	3822.975	9867.770	M	0.00
1443	6433.343	3821.975	9868.290	M	0.00
1446	6434.093	3820.975	9868.810	M	0.00
1449	6434.843	3819.975	9869.290	M	0.00
1451	6435.343	3818.975	9869.590	M	0.00
1454	6436.093	3816.975	9870.000	M	0.00
1457	6436.843	3815.975	9870.420	M	0.00
1460	6437.593	3814.975	9870.870	M	0.00
1462	6438.093	3813.975	9871.140	M	0.00
1465	6438.843	3812.975	9871.630	M	0.00
1468	6439.593	3811.975	9872.030	M	0.00
1471	6440.343	3810.975	9872.450	M	0.00
1473	6440.843	3810.975	9872.720	M	0.00
1476	6441.593	3809.975	9873.160	M	0.00
1479	6442.343	3809.975	9873.540	M	0.00
1482	6443.093	3810.975	9873.900	M	0.00
1484	6443.593	3809.975	9874.120	M	0.00
1487	6444.343	3808.975	9874.430	M	0.00
1490	6445.093	3809.975	9874.780	M	0.00
1492	6445.843	3808.975	9875.010	M	0.00

BUILDUP TEST 11 OF 1/19 - 23/83
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

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 WASP FILE: BF-B11

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SHORT TERM WELL TEST
 MEASURED DATA

POINT	CUMULATIVE TIME HRS	SURFACE PRESSURE PSIG	SUBSURFACE PRESSURE PSIA	B. H. P. * SOURCE M/C	FLOW QSF RESBPD
1495	6447.343	3807.975	9875.580	M	0.00
1498	6448.843	3808.975	9876.140	M	0.00
1501	6450.343	3806.975	9876.690	M	0.00
1503	6451.343	--	9877.060	M	0.00
1506	6452.843	--	9877.600	M	0.00
1509	6454.343	--	9878.120	M	0.00
1512	6455.843	--	9878.670	M	0.00
1514	6456.843	--	9878.970	M	0.00
1517	6458.343	--	9879.580	M	0.00
1520	6459.843	--	9880.050	M	0.00
1523	6461.343	--	9880.580	M	0.00
1525	6462.343	--	9880.920	M	0.00
1528	6463.843	--	9881.420	M	0.00
1531	6465.343	--	9881.920	M	0.00
1534	6466.843	--	9882.480	M	0.00
1536	6467.843	--	9882.810	M	0.00
1539	6469.376	--	9883.340	M	0.00
1542	6470.876	--	9883.900	M	0.00
1545	6472.343	--	9884.380	M	0.00
1547	6473.609	--	9884.790	M	0.00
1550	6474.843	--	9885.180	M	0.00
1553	6476.343	--	9885.650	M	0.00
1556	6477.843	--	9886.150	M	0.00
1558	6478.893	--	9886.520	M	0.00
1561	6480.343	--	9887.050	M	0.00
1564	6482.843	--	9887.820	M	0.00
1567	6485.343	--	9888.480	M	0.00
1569	6487.343	--	9889.040	M	0.00
1572	6490.343	--	9889.850	M	0.00
1575	6493.343	--	9890.760	M	0.00
1578	6496.343	--	9891.640	M	0.00

* M - MEASURED
 C - CALCULATED

BUILDUP TEST 11 OF 1/19 - 23/83
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: M-B11
 WASP FILE: BF-B11

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SHORT TERM WELL TEST
 PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE (MPW) PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
22	2.22611	11022.865	14992.9940	2411.62	0.00000	0.00000
23	40.6261	11270.016	15526.7378	169.82	0.00000	0.00000
45	41.2803	11088.593	15133.4093	-723.44	0.00000	0.00000
46	41.4533	11265.962	15517.8561	3449.03	0.00000	0.00000
96	46.5206	10533.153	13980.7487	7297.74	0.00000	0.00000
97	196.243	11343.151	15686.4000	184.81	0.00000	0.00000
100	198.609	11193.017	15358.7621	1190.76	0.00000	0.00000
101	378.273	11401.232	15817.6000	101.66	0.00000	0.00000
219	409.116	10953.863	14846.7655	9695.58	0.00000	0.00000
220	505.197	11381.505	15779.2000	851.70	0.00000	0.00000
352	531.476	10703.847	14326.8924	12851.87	0.00000	0.00000
353	565.821	11370.275	15747.2000	2679.43	0.00000	0.00000
744	709.837	10232.625	13388.1851	24391.08	0.00000	0.00000
745	886.128	11269.475	15525.5531	3310.54	0.00000	0.00000
746	886.676	10484.975	13884.3186	1127.47	0.00000	0.00000
747	887.499	10584.975	14085.0930	5140.02	0.00000	0.00000
748	900.859	9984.975	12915.6149	12643.72	0.00000	0.00000
749	910.828	10784.975	14493.8919	6172.44	0.00000	0.00000
750	930.343	9984.975	12915.6149	19151.01	0.00000	0.00000
751	931.409	9984.975	12915.6149	19043.42	0.00000	0.00000
752	1055.86	9984.975	12915.6149	23564.28	0.00000	0.00000
753	1095.88	10984.975	14912.5498	8651.68	0.00000	0.00000
754	1382.49	9984.975	12915.6149	26345.23	0.00000	0.00000
755	1384.78	10984.335	14911.1941	22929.84	0.00000	0.00000
975	1506.40	10177.395	13281.5793	27041.31	0.00000	0.00000
976	1696.68	11022.075	14991.3139	6490.12	0.00000	0.00000
999	2197.73	10267.975	13456.7882	28475.48	0.00000	0.00000
1000	2205.91	10384.975	13685.9241	19914.77	0.00000	0.00000
1003	2248.09	10304.975	13528.9043	28147.18	0.00000	0.00000
1004	2254.84	10384.975	13685.9241	20386.44	0.00000	0.00000
1035	2925.84	10422.975	13761.0354	31034.47	0.00000	0.00000
1036	2928.49	10474.537	13863.4988	27020.63	0.00000	0.00000

BUILDUP TEST 11 OF 1/19 - 23/83
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

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 WASP FILE: BF-B11

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SHORT TERM WELL TEST
 PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
1121	2943.83	10110.363	13153.1350	30243.33	0.00000	0.00000
1122	3036.84	10496.975	13908.2853	12484.08	0.00000	0.00000
1123	3039.26	9984.975	12915.6149	15281.37	0.00000	0.00000
1124	3040.01	9984.975	12915.6149	17082.27	0.00000	0.00000
1125	3067.51	9984.975	12915.6149	24251.30	0.00000	0.00000
1126	3212.11	9984.975	12915.6149	9268.51	0.00000	0.00000
1132	3378.91	9984.975	12915.6149	27743.90	0.00000	0.00000
1133	3382.54	9984.975	12915.6149	22633.00	0.00000	0.00000
1167	4524.34	9984.975	12915.6149	31564.45	0.00000	0.00000
1168	4529.32	10070.505	13077.2459	25269.06	0.00000	0.00000
1169	4530.24	10049.095	13036.6310	24423.02	0.00000	0.00000
1170	4537.16	10184.785	13295.8028	21841.92	0.00000	0.00000
1277	4554.93	9892.955	12743.5572	28801.76	0.00000	0.00000
1279	4869.84	10184.975	13296.1687	9307.84	0.00000	0.00000
1280	4885.34	9484.975	12003.1677	13552.48	0.00000	0.00000
1281	4887.43	9634.975	12271.1845	12554.05	0.00000	0.00000
1283	4932.34	9484.975	12003.1677	18265.98	0.00000	0.00000
1284	4956.34	9484.975	12003.1677	20218.34	0.00000	0.00000
1285	5028.34	9484.975	12003.1677	24518.21	0.00000	0.00000
1289	5385.28	9484.975	12003.1677	29133.74	0.00000	0.00000
1290	5387.68	9584.975	12181.3101	25884.36	0.00000	0.00000
1291	5412.34	9484.975	12003.1677	23626.40	0.00000	0.00000
1292	5436.34	9484.975	12003.1677	24914.11	0.00000	0.00000
1294	5531.34	9484.975	12003.1677	31121.06	0.00000	0.00000
1295	5561.51	9584.975	12181.3101	17232.86	0.00000	0.00000
1296	5580.34	9484.975	12003.1677	21494.94	0.00000	0.00000
1297	5604.34	9484.975	12003.1677	23569.78	0.00000	0.00000
1298	5628.34	9484.975	12003.1677	27497.94	0.00000	0.00000
1302	6204.34	9484.975	12003.1677	32981.07	0.00000	0.00000
1303	6376.76	9484.975	12003.1677	30867.15	0.00000	0.00000
1304	6380.76	9484.975	12003.1677	25870.40	0.00000	0.00000
1305	6398.59	9484.975	12003.1677	30047.76	0.00000	0.00000

BUILDUP TEST 11 OF 1/19 - 23/83
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

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SHORT TERM WELL TEST
PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BD	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BD PER CYCLE
1306	6403.99	9854.125	12671.5207	24163.78	0.00000	0.00000
1386	6423.93	9622.595	12248.8814	29721.47	0.00000	0.00000
1388	6423.93	9676.645	12346.4987	51458.53	-2.60206	1.98953
1391	6423.93	9800.405	12572.4116	48215.94	-2.21388	2.50991
1394	6424.03	9830.315	12627.5144	38181.96	-1.01223	2.57822
1396	6424.10	9833.645	12633.6614	36199.68	-0.77455	2.58521
1399	6424.23	9836.635	12639.1830	34137.01	-0.52692	2.59140
1402	6424.46	9839.385	12644.2630	32045.39	-0.27527	2.59702
1405	6424.74	9841.185	12647.5890	30505.59	-0.08943	2.60065
1407	6425.04	9842.625	12650.2504	29380.22	0.04684	2.60354
1410	6425.56	9844.375	12653.4853	28019.49	0.21234	2.60703
1413	6426.08	9845.535	12655.6299	27041.81	0.33188	2.60933
1416	6426.59	9846.595	12657.5899	26279.71	0.42552	2.61141
1418	6427.09	9847.395	12659.0694	25674.42	0.50022	2.61298
1421	6427.84	9848.355	12660.8449	24929.59	0.59261	2.61486
1424	6428.59	9849.225	12662.4541	24319.13	0.66875	2.61655
1427	6429.34	9850.045	12663.9710	23802.45	0.73351	2.61814
1429	6429.84	9850.375	12664.5815	23497.54	0.77187	2.61878
1432	6430.59	9851.065	12665.8581	23086.79	0.82373	2.62011
1435	6431.34	9851.825	12667.2643	22721.27	0.87005	2.62157
1438	6432.09	9852.385	12668.3005	22392.10	0.91190	2.62265
1440	6432.59	9852.745	12668.9667	22189.58	0.93771	2.62334
1443	6433.34	9853.265	12669.9290	21907.38	0.97377	2.62433
1446	6434.09	9853.785	12670.8914	21647.48	1.00706	2.62532
1449	6434.84	9854.265	12671.7798	21406.65	1.03798	2.62624
1451	6435.34	9854.565	12672.3351	21255.39	1.05743	2.62681
1454	6436.09	9854.975	12673.0940	21040.82	1.08507	2.62758
1457	6436.84	9855.395	12673.8714	20839.45	1.11106	2.62838
1460	6437.59	9855.845	12674.7045	20649.75	1.13557	2.62923
1462	6438.09	9856.115	12675.2043	20529.12	1.15118	2.62974
1465	6438.84	9856.605	12676.1115	20356.12	1.17359	2.63066
1468	6439.59	9857.005	12676.8521	20191.81	1.19490	2.63141

BUILDUP TEST 11 OF 1/19 - 23/83
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

DATA FILE: M-B11
 WASP FILE: BF-B11

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SHORT TERM WELL TEST
 PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
1471	6440.34	9857.425	12677.6297	20035.34	1.21521	2.63220
1473	6440.84	9857.695	12678.1297	19935.03	1.22824	2.63271
1476	6441.59	9858.135	12678.9444	19790.09	1.24709	2.63353
1479	6442.34	9858.515	12679.6481	19651.29	1.26515	2.63424
1482	6443.09	9858.875	12680.3148	19518.12	1.28248	2.63491
1484	6443.59	9859.095	12680.7222	19432.25	1.29367	2.63532
1487	6444.34	9859.405	12681.2963	19307.50	1.30993	2.63590
1490	6445.09	9859.755	12681.9445	19187.31	1.32560	2.63655
1492	6445.84	9859.985	12682.3705	19071.36	1.34072	2.63698
1495	6447.34	9860.555	12683.4263	18851.01	1.36947	2.63803
1498	6448.84	9861.115	12684.4636	18644.45	1.39644	2.63907
1501	6450.34	9861.665	12685.4825	18450.03	1.42183	2.64008
1503	6451.34	9862.035	12686.1679	18326.48	1.43797	2.64077
1506	6452.84	9862.575	12687.1684	18149.36	1.46111	2.64176
1509	6454.34	9863.095	12688.1318	17981.20	1.48307	2.64271
1512	6455.84	9863.645	12689.1509	17821.11	1.50398	2.64372
1514	6456.84	9863.945	12689.7068	17718.50	1.51738	2.64427
1517	6458.34	9864.555	12690.8372	17570.25	1.53673	2.64538
1520	6459.84	9865.025	12691.7083	17428.29	1.55526	2.64623
1523	6461.34	9865.555	12692.6905	17292.09	1.57303	2.64720
1525	6462.34	9865.895	12693.3207	17204.26	1.58449	2.64781
1528	6463.84	9866.395	12694.2475	17076.67	1.60112	2.64872
1531	6465.34	9866.895	12695.1743	16953.73	1.61715	2.64962
1534	6466.84	9867.455	12696.2124	16835.11	1.63260	2.65063
1536	6467.84	9867.785	12696.8242	16758.29	1.64260	2.65122
1539	6469.38	9868.315	12697.8068	16643.77	1.65751	2.65217
1542	6470.88	9868.875	12698.8451	16535.37	1.67161	2.65318
1545	6472.34	9869.355	12699.7351	16432.62	1.68497	2.65404
1547	6473.61	9869.765	12700.4953	16346.32	1.69619	2.65477
1550	6474.84	9870.155	12701.2185	16264.35	1.70684	2.65546
1553	6476.34	9870.625	12702.0901	16167.24	1.71945	2.65630
1556	6477.84	9871.125	12703.0174	16072.82	1.73170	2.65719

BUILDUP TEST 11 OF 1/19 - 23/83
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

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 WASP FILE: BF-B11

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SHORT TERM WELL TEST
 PROCESSED DATA

POINT	CUMULATIVE TIME HRS	SUBSURFACE PRESSURE PSIG	SUBSURFACE POTENTIAL PSI/CP*BO	X(J)* RESBPD PER CYCLE	LOG(DT) HRS/CYCLE	LOG(DMPW) PSI/CP*BO PER CYCLE
1558	6478.89	9871.495	12703.7037	16008.25	1.74008	2.65784
1561	6480.34	9872.025	12704.6867	15921.04	1.75139	2.65878
1564	6482.84	9872.795	12706.1150	15775.72	1.77022	2.66014
1567	6485.34	9873.455	12707.3393	15636.32	1.78827	2.66130
1569	6487.34	9874.015	12708.3783	15528.76	1.80218	2.66228
1572	6490.34	9874.825	12709.8811	15373.48	1.82226	2.66370
1575	6493.34	9875.735	12711.5697	15224.93	1.84145	2.66529
1578	6496.34	9876.615	12713.2027	15082.55	1.85982	2.66682

*SUPERPOSED RATE-TIME SCHEDULE:

SUM((Q(K)-Q(K-1))*LOG(T(J)-T(K-1)))

LOG(DT) IS LOG BASE 10 OF CONSTANT RATE TRANSIENT TIMES

DRAWDOWN 11 OF 11/15/82-1/19/83
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

BASIC FILE- M-D11
ONASP FILE- BF-D11

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DRAWDOWN 11 OF 11/15/82-1/19/83
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

BASIC FILE- M-D11
ONASP FILE- BF-D11

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DRAWDOWN 11 OF 11/15/82-1/19/83
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEEZY NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

BASIC FILE- M-D11
 ONASP FILE- BF-D11

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DRAWDOWN 11 OF 11/15/82-1/19/83
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

BASIC FILE- M-D11
 ONASP FILE- BF-D11
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DRAWDOWN 11 OF 11/15/82-1/19/83
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

BASIC FILE- M-D11
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BHP .
WHP O
DIFF —

BASIC FILE- M-B11
ONASP FILE- BF-B11
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OTIS
WELL TEST ANALYSIS

BUILDUP TEST 11 OF 1/19 - 23/83
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

BASIC FILE- M-B11
ONASP FILE- BF-B11

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BUILDUP TEST 11 OF 1/19 - 23/83
 DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
 L. R. SWEETZ NO. 1 WELL
 PERFS: 13342 - 13406 FEET
 PARC PERDUE FIELD
 VERMILION PARISH, LA.

BASIC FILE- M-B11
 ONASP FILE- BF-B11

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BUILDUP TEST 11 OF 1/19 - 23/83
DOW/DOE GEOPRESSURE - GEOTHERMAL TEST
L. R. SWEETZ NO. 1 WELL
PERFS: 13342 - 13406 FEET
PARC PERDUE FIELD
VERMILION PARISH, LA.

BASIC FILE- M-B11
ONASP FILE- BF-B11

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SECTION IV
NOMENCLATURE
AND
REFERENCES

AIME NOMENCLATURE

S T A N D A R D

Computer Symbols for
Petroleum Reservoir Engineering,
Natural Gas Engineering and
Well Logging Quantities

1968

Society of Petroleum Engineers
AMERICAN INSTITUTE OF MINING, METALLURGICAL AND
PETROLEUM ENGINEERS, INC.

6200 North Central Expressway Dallas, Texas 75206

Standard Computer Symbols for Petroleum Reservoir Engineering, Natural Gas Engineering and Well Logging Quantities

Letter Symbols In Alphabetical Order

Letter Symbol	Computer Symbol			Quantity	Dimensions
English	Operator Field	Quantity Symbol Field	Subscript Field		
<i>a</i>		A C T		activity	
<i>a</i>		A I R		air requirement	various
<i>a_s</i>		A I R E X		unit air requirement in laboratory experimental run, volumes of air per unit mass of pack	L ³ /m
<i>a_r</i>		A I R R		unit air requirement in reservoir, volumes of air per unit bulk volume of reservoir rock	
<i>A</i>		A R A		area	L ²
<i>b</i>		R V F		reciprocal formation volume factor, volume at standard conditions divided by volume at reservoir conditions	
<i>b_g</i>		R V F G		reciprocal gas formation volume factor	
<i>b_g</i>		R V F G B		reciprocal gas formation volume factor at bubble-point conditions	
<i>b_o</i>		R V F O		reciprocal oil formation volume factor (shrinkage factor)	
<i>B</i>		F V F		formation volume factor, volume at reservoir conditions divided by volume at standard conditions	
<i>B_g</i>		F V F G		gas formation volume factor	
<i>B_g</i>		F V F G B		gas formation volume factor at bubble-point conditions	
<i>B_o</i>		F V F O		oil formation volume factor	
<i>B_o</i>		F V F O B		oil formation volume factor at bubble-point conditions	
<i>B_t</i>		F V F T		total (two-phase) formation volume factor	
<i>B_w</i>		F V F W		water formation volume factor	
<i>c</i>		C M P		compressibility	Lt ³ /m
<i>c_r</i>		C M P F		formation (rock) compressibility	Lt ³ /m
<i>c_g</i>		C M P G		gas compressibility	Lt ³ /m
<i>c_o</i>		C M P O		oil compressibility	Lt ³ /m
<i>c_r</i>		C M P P R D		pseudo-reduced compressibility	
<i>c_w</i>		C M P W		water compressibility	Lt ³ /m
<i>C</i>		C G W		coefficient of gas-well back-pressure curve	L ³⁻²ⁿ t ⁿ /m ²ⁿ
<i>C</i>		C N C		concentration	various
<i>C</i>		E C N		conductivity (electrical logging) ^a	tq ² /mL ²
<i>C</i>		H S P		specific heat (always with phase or system subscripts)	L ² /t ² T
<i>C</i>		W D C		water-drive constant	L ⁴ /m
<i>C_a</i>		E C N A		apparent conductivity	tq ² /mL ²
<i>C_c</i>		C N C C 1		methane concentration (concentration of other paraffin hydrocarbons would be indicated similarly, C _{c2} , C _{c3} , etc.)	various
<i>C₁</i>		C N T L		condensate or natural gas liquids content	various
<i>C₂</i>		C N C F U		unit fuel concentration (see symbol <i>m</i>)	various
<i>C_{o2}</i>		C N C O 2		oxygen concentration (concentration of other elements or compounds would be indicated similarly, C _{co2} , C _{x2} , etc.)	various
<i>C_{o2}</i>		C N T W G		wet-gas content	various
<i>d</i>		D I A		diameter	L
<i>d_h</i>		D I A H		hole diameter	L
<i>d_i</i>		D I A I		electrically equivalent diameter of the invaded zone	L
<i>$\bar{d}$</i>		D I A A V P		diameter, mean particle	L
<i>D</i>		D L V		deliverability (gas well)	L ³ /t
<i>D</i>		D P H		depth	L

Letter Symbol	Computer Symbol			Quantity	Dimensions
	English	Operator Field	Quantity Symbol Field Subscript Field		
D			D F N	diffusion coefficient	L^2/t
e			E N C	influx (encroachment) rate	L^3/t
e_g			E N C G	gas influx (encroachment) rate	L^3/t
e_o			E N C O	oil influx (encroachment) rate	L^3/t
e_{O_2}			U T L O 2	oxygen utilization	
e_w			E N C W	water influx (encroachment) rate	L^3/t
E			E F F	efficiency	
E			E M F	electromotive force	mL^2/t^2q
E_A			E F F A	areal efficiency (used in describing results of model studies only): area swept in a model divided by total model reservoir area (see E_r)	
E_e			E M F C	electrochemical component of the SP	mL^2/t^2q
E_D			E F F D	displacement efficiency: volume of hydrocarbons (oil or gas) displaced from individual pores or small groups of pores divided by the volume of hydrocarbons in the same pores just prior to displacement	
E_{D_b}			E F F D B	displacement efficiency from burned portion of in situ combustion pattern	
E_{D_u}			E F F D U	displacement efficiency from unburned portion of in situ combustion pattern	
E_i			E F F I	invasion (vertical) efficiency: hydrocarbon pore space invaded (affected, contacted) by the injected-fluid or heat front divided by the hydrocarbon pore space enclosed in all layers behind the injected-fluid or heat front	
E_k			E M F K	electrokinetic component of the SP	mL^2/t^2q
E_p			E F F P	pattern sweep efficiency (developed from areal efficiency by proper weighting for variations in net pay thickness, porosity and hydrocarbon saturation: hydrocarbon pore space enclosed behind the injected-fluid or heat front divided by total hydrocarbon pore space of the reservoir or project)	
E_R			E F F R	reservoir recovery efficiency, over-all: volume of hydrocarbons recovered divided by volume of hydrocarbons in place at start of project. ($E_R = E_p E_i E_D = E_p E_i E_D$)	
E_v			E F F V	volumetric efficiency: product of pattern sweep and invasion efficiencies	
E_{v_b}			E F F V B	volumetric efficiency for burned portion only, in situ combustion pattern	
f			F R C	fraction (such as the fraction of a flow stream consisting of a particular phase)	
f			F F C	friction factor	
f			F U G	fugacity	m/Lt^2
F			F A C	factor in general, including ratios (always with identifying subscripts)	various
F			F C E	force	mL/t^2
F			F R F	formation resistivity factor — equals R_w/R_o (a numerical subscript to F indicates the value of R_o)	
$F_{a,r}$			F A C A F U	air-fuel ratio	various
F_t			F A C B	turbulence factor	
$F_{w,r}$			F A C W F U	water-fuel ratio	various
$F_{w,i}$			F A C W O	instantaneous producing water-oil ratio	
$F_{w,c}$			F A C W O P	cumulative water-oil ratio	
g			G R V	acceleration of gravity	L/t^2

Letter Symbol	Computer Symbol			Quantity	Dimensions
	Operator Field	Quantity Symbol Field	Subscript Field		
g		G R V C		conversion factor in Newton's Second Law of Motion	
G		G A S		gas (any gas, including air) — always with identifying subscripts	various
G		G M F		geometrical factor (electrical logging)	
G		G A S T I		total initial gas in place in reservoir	L^3
G_c		G A S E		cumulative gas influx (encroachment)	L^3
G_{ri}		G A S F I		initial reservoir free-gas volume ($= mNB_{oi}$)	L^3
G_{rn}		G A S F P		cumulative free gas produced	L^3
G_i		G A S I		cumulative gas injected	L^3
G_c		N G L T I		initial condensate liquids in place in reservoir	L^3
G_{icp}		N G L P		cumulative condensate liquid produced	L^3
G_m		G M F M		geometrical factor, mud	
G_p		G A S P		cumulative gas produced	L^3
G_{px}		G A S P E X		produced gas from experimental tube run	L^3
G_t		G M F T		geometrical factor, true (non-invaded zone)	
G_{wn}		G A S W G P		cumulative wet gas produced	L^3
G_{xo}		G M F X O		geometrical factor, flushed zone	
ΔG_c	D E L	G A S E		gas influx (encroachment) during an interval	L^3
ΔG_i	D E L	G A S I		gas injected during an interval	L^3
ΔG_p	D E L	G A S P		gas produced during an interval	L^3
h		T H K		thickness (general and individual bed)	L
h_{mc}		T H K M C		mud-cake thickness	L
h_n		T H K N		net pay thickness	L
h_t		T H K T		gross (total) pay thickness	L
H		H E N		enthalpy (always with phase or system subscripts)	mL^3/t^2
i		I N J		injection rate	L^3/t
i_a		I N J A		air injection rate	L^3/t
i_g		I N J G		gas injection rate	L^3/t
i_w		I N J W		water injection rate	L^3/t
I		I J X		injectivity index	L^3/m
I		R S X		resistivity index — equals R_i/R_o	
I_s		I J X S		specific injectivity index	L^3/m
J		P D X		productivity index	L^3/m
J_s		P D X S		specific productivity index	L^3/m
k		P R M		absolute permeability (fluid flow)	L^3
k_g		P R M G		effective permeability to gas	L^3
k_g/k_o		P R M G O		permeability ratio, gas-oil	
k_a		H C N		thermal conductivity (always with additional phase or system subscripts)	mL/t^2
k_o		P R M O		effective permeability to oil	L^3
k_{rg}		P R M R G		relative permeability to gas	
k_{ro}		P R M R O		relative permeability to oil	
k_{rw}		P R M R W		relative permeability to water	
k_w		P R M W		effective permeability to water	L^3
k_o/k_w		P R M W O		permeability ratio, water-oil	
K		K S P		coefficient in the equation of the electrochemical component of the SP (spontaneous electromotive force)	mL^3/t^2q
K		E Q R		equilibrium ratio (y/x)	
$\ln$				natural logarithm, base e	
$\log$				common logarithm, base 10	
L		L T H		length	L
L		M O L L		moles of liquid phase	
L_v		H L T V		latent heat of vaporization	L^3/t^2
m		F C M		fuel consumption	various
m		M A S		mass	m
m		M X P		porosity exponent (in an empirical relation between F and ϕ)	
m		M G O		ratio of initial reservoir free-gas volume to initial reservoir oil volume	

Letter Symbol	Computer Symbol			Quantity	Dimensions
	English	Operator Field	Quantity Symbol Field	Subscript Field	
m			S L P		slope
m_k			F C M E X		fuel consumption in experimental tube run
m_{kx}			F C M E X G		fuel consumption in experimental tube run (mass of fuel per mole of produced gas)
m_k			F C M R		fuel consumption in reservoir
M			M B R		mobility ratio ¹ ($\lambda_{displacing}/\lambda_{displaced}$)
M			M W T		molecular weight
$\bar{M}_L$			M W T A V L		mole-weighted average molecular weight of produced liquids
n			N G W		exponent of back-pressure curve, gas well
n			N X P		saturation exponent
n			M O L		total moles
n_j			M O L J		moles of component j
n_{pj}			M O L P J		moles of component j produced, cumulative
N			N U M Q ¹⁰		dimensionless number, in general (always with identifying subscripts) ¹⁰
N			O I L T I		initial oil in place in reservoir
N			O I L		oil (always with identifying subscripts)
N_o			O I L E		cumulative oil influx (encroachment)
N_p			O I L P		cumulative oil produced
N_{Re}			R E Y Q ¹⁰		Reynolds number (dimensionless number)
ΔN_o		D E L O I L E			oil influx (encroachment) during an interval
ΔN_p		D E L O I L P			oil produced during an interval
p			P R S		pressure
p_a			P R S A		atmospheric pressure
p_b			P R S B		bubble-point (saturation) pressure
p_c			P R S C		critical pressure
p_{cf}			P R S C F		casing pressure, flowing
p_{cs}			P R S C S		casing pressure, static
p_d			P R S D		dew-point pressure
p_D			P R S Q		dimensionless pressure
p_e			P R S E		external boundary pressure
p_{ex}			P R S X T		pressure, extrapolated
p_f			P R S F		front or interface pressure
p_i			P R S I		initial pressure
p_{iwf}			P R S I W F		injection well bottom-hole pressure, flowing
p_{iws}			P R S I W S		injection well bottom-hole pressure, static
p_{pc}			P R S P C		pseudo-critical pressure
p_{pr}			P R S P R D		pseudo-reduced pressure
p_r			P R S R D		reduced pressure
p_{sc}			P R S S C		pressure, standard conditions
p_{sp}			P R S S P		separator pressure
p_{10}			P R S T Q Q		dimensionless pressure function at dimensionless time t_D
p_{1f}			P R S T F		tubing pressure, flowing
p_{1s}			P R S T S		tubing pressure, static
p_o			P R S W		bottom-hole pressure, general
p_{of}			P R S W F		bottom-hole pressure, flowing
p_{os}			P R S W S		bottom-hole pressure, static
p_{∞}			P R S W S		bottom-hole pressure at any time after shut-in
$\bar{p}$			P R S A V		average pressure
$\bar{p}_R$			P R S A V R		pressure, reservoir average
p_c			P R S C P		capillary pressure
q			R T E		production rate or flow rate
q_D			R T E Q		dimensionless production rate
q_g			R T E G		gas production rate
q_{go}			R T E G Q		production rate, gas, dimensionless
q_o			R T E O		oil production rate

Letter Symbol	Computer Symbol			Quantity	Dimensions
	English	Operator Field	Quantity Symbol Field	Subscript Field	
q_o			R T E O Q		production rate, oil, dimensionless
q_p			R T E P A V		production rate or flow rate at mean pressure
q_s			R T E S		segregation rate (in gravity drainage)
q_w			R T E W		water production rate
q_{w-o}			R T E W Q		production rate, water, dimensionless
$\bar{q}$			R T E A V		production rate or flow rate, average
Q			C H G		charge
Q_{i-o}			E N C T Q Q		dimensionless fluid influx function at dimensionless time t_D
$\dot{Q}$			H R T		heat flow rate
r			R A D		radial distance
r			R S T		resistance
r_d			R A D D		radius of drainage
r_o			R A D Q		dimensionless radial distance
r_e			R A D E		external boundary radius
r_s			R A D S		radius of well damage or stimulation (skin)
r_w			R A D W		well radius
r_{wa}			R A D W A		apparent or effective wellbore radius (includes effects of well damage or stimulation)
R			G O R		producing gas-oil ratio
R			R E S		resistivity (electrical logging)*
R			R R R		universal gas constant (per mole)
R_a			R E S A		apparent resistivity
R_r			G O R F		free producing gas-oil ratio (free-gas volume/oil volume)
R_i			R E S I		invaded zone resistivity
R_m			R E S M		mud resistivity
R_{mc}			R E S M C		mud-cake resistivity
R_{mf}			R E S M F		mud-filtrate resistivity
R_o			R E S O		resistivity, formation 100 per cent saturated with water of resistivity R_o
R_p			G O R P		cumulative gas-oil ratio
R_s			R E S S		resistivity of surrounding formations
R_{sg}			G O R S		solution gas-oil ratio (gas solubility in oil)
R_{sgb}			G O R S B		solution gas-oil ratio at bubble-point conditions
R_{sh}			R E S S H		shale resistivity
R_{sio}			G O R S I		initial solution gas-oil ratio
R_{sw}			G W R S		gas solubility in water
R_t			R E S T		true formation resistivity
R_w			R E S W		water resistivity
R_{wif}			R E S X O		resistivity, flushed zone (that part of the invaded zone closest to the wall of the hole, where flushing has been maximum)
R_z			R E S Z		apparent resistivity of the conductive fluids in an invaded zone (due to fingering or juxtaposition)
s			S K N		skin effect
S			S A T		saturation
S_g			S A T G		gas saturation
S_{gc}			S A T G C		critical gas saturation
S_{gr}			S A T G R		residual gas saturation
S_{hr}			S A T H R		residual hydrocarbon saturation
S_l			S A T L		total (combined) liquid saturation
S_o			S A T O		oil saturation
S_{oi}			S A T O G		interstitial-oil saturation in gas cap
S_{or}			S A T O R		residual oil saturation
S_w			S A T W		water saturation
S_{wc}			S A T W C		critical water saturation

Letter Symbol	Computer Symbol	Quantity	Dimensions
English	Operator Field	Quantity Symbol Field	Subscript Field
S_{wg}		SATWG	
S_{wr}		SATWR	
t		TIM	
Δt		TAC	
Δt_a		TACA	
t_D		TIMQ	
t_{Dm}		TIMQM	
Δt_f		TACF	
Δt_{ma}		TACMA	
t_p		TIMP	
			interstitial-water saturation in gas cap
			residual water saturation
			time
			acoustic transit time
			apparent acoustic transit time
			dimensionless time
			dimensionless time at condition m
			fluid acoustic transit time
			matrix acoustic transit time
			equivalent time well was on production prior to shut-in (pseudo-time)
t_s		TIMS	
Δt_{sh}		TACSH	
Δt_{wi}	DELTIMWF		
			time for stabilization of a well
			shale acoustic transit time
			time after well is opened to production (pressure drawdown)
Δt_{ws}	DELTIMWS		
T		TEM	
T_c		TEMC	
T_f		TEMF	
T_{pc}		TEMPC	
T_{pr}		TEMPRD	
T_r		TEMRD	
T_R		TEMR	
T_{sc}		TEMSC	
u		FLX	
u		VELV	
			temperature
			critical temperature
			formation temperature
			pseudo-critical temperature
			pseudo-reduced temperature
			reduced temperature
			reservoir temperature
			temperature, standard conditions
			flux
			volumetric velocity (flow rate or flux, per unit area)
v		VAC	
v		SPV	
v		VEL	
v_a		VACA	
v_b		VELB	
v_f		VACF	
v_{fa}		VACMA	
v_{sh}		VACSH	
V		MOLV	
V		VOL	
V_b		VOLB	
V_{bx}		VOLBEX	
			moles of vapor phase
			volume
			bulk volume
			bulk volume of pack burned in experimental tube run
V_{bp}		VOLBP	
V_m		VOLM	
V_p		VOLP	
V_{po}		VOLPQ	
V_{rb}		VOLRB	
V_{ru}		VOLRU	
V_s		VOLS	
w		MRT	
W		WTRTI	
W		WTR	
			volume at bubble-point pressure
			volume per mole
			pore volume
			dimensionless pore volume
			volume of reservoir rock burned
			volume of reservoir rock unburned
			solid volume
			mass flow rate
			initial water in place in reservoir
			water (always with identifying subscripts)
W		WRK	
W_a		WTRE	
W_i		WTRI	
W_p		WTRP	
ΔW	DELWTRE		
			work
			cumulative water influx (encroachment)
			cumulative water injected
			cumulative water produced
			water influx (encroachment) during an interval
ΔW_i	DELWTRI		
ΔW_p	DELWTRP		
x		MFR L	
			water injected during an interval
			water produced during an interval
			mole fraction of a component in liquid phase
y		MFR V	
			mole fraction of a component in vapor phase
z		ZED	
			gas deviation factor (compressibility factor, $z = pV/nRT$)

Letter Symbol	Computer Symbol			Quantity	Dimensions
	English	Operator Field	Quantity Symbol Field	Subscript Field	
Z	z		M F R M		mole fraction of a component in mixture
	z_p		Z E D P A V		gas deviation factor (compressibility factor) at mean pressure
	Z		Z E L		elevation referred to datum L
Greek					
α	α		A N G		angle
	α		A S P		SP reduction factor
	α_d		A N G D		angle of dip
β	β		H E C		thermal cubic expansion coefficient 1/T
	γ		S P G		specific gravity
	γ_g		S P G G		gas specific gravity
γ_o	γ_o		S P G O		oil specific gravity
	γ_w		S P G W		water specific gravity
	δ		D P R		displacement ratio
δ_{ov}	δ_{ov}		D P R O B		oil displaced from burned volume, volume per unit volume of burned reservoir rock
	δ_{ou}		D P R O U		oil displaced from unburned volume, volume per unit volume of unburned reservoir rock
	δ_{ow}		D P R W B		water displaced from burned volume, volume per unit volume of burned reservoir rock
Δ	Δ	D E L			difference ($\Delta x = x_2 - x_1$ or $x_1 - x_2$) [x]
	η		D F S		hydraulic diffusivity ($k/\phi c \mu$ or $\lambda/\phi c$) L ² /t
	θ		A G L		angle
θ_c	θ_c		A G L C		contact angle
	λ		M O B		mobility (k/μ) L ² /m
	λ		W V L		wave length (1/ σ) L
λ_g	λ_g		M O B G		gas mobility L ² /m
	λ_o		M O B O		oil mobility L ² /m
	λ_w		M O B W		water mobility L ² /m
μ	μ		V I S		viscosity m/Lt
	μ_a		V I S A		air viscosity m/Lt
	μ_g		V I S G		gas viscosity m/Lt
μ_{go}	μ_{go}		V I S G A		gas viscosity at 1 atm m/Lt
	μ_o		V I S O		oil viscosity m/Lt
	μ_p		V I S P A V		viscosity at mean pressure m/Lt
μ_w	μ_w		V I S W		water viscosity m/Lt
	ν		V S K		kinematic viscosity L ² /t
ρ	ρ		D E N		density m/L ³
	ρ		R H O		resistivity (electrical) ^a mL ² /tq ²
	ρ_b		D E N B		bulk density m/L ³
ρ_f	ρ_f		D E N F		fluid density m/L ³
	ρ_f		D E N F U		density, fuel m/L ³
	ρ_g		D E N G		gas density m/L ³
ρ_m	ρ_m		D E N M A		matrix (solids, grain) density m/L ³
	ρ_o		D E N O		oil density m/L ³
	ρ_{ox}		D E N S E X		density of solid particles making up experimental pack m/L ³
ρ_w	ρ_w		D E N W		water density m/L ³
	ρ_w		D E N A V L		weight-weighted average density of produced liquid m/L ³
σ	σ		S I G		conductivity ^a various
	σ		S F T		surface tension (interfacial tension) m/t ²
	σ		W V N		wave number (1/ λ) 1/L
τ	τ		T O R		tortuosity
	ϕ		P O R		porosity
	ϕ_a		P O R A		apparent porosity

Letter Symbol	Computer Symbol			Quantity	Dimensions
	Operator Field	Symbol Field	Subscript Field		
ϕ_e		P O R E		effective porosity	
ϕ_x		P O R E X		porosity of experimental pack	
ϕ_h		P O R H		hydrocarbon-filled porosity, fraction or per cent of rock bulk volume occupied by hydrocarbons	
ϕ_R		P O R R		porosity of reservoir or formation	
ϕ_t		P O R T		total porosity	
Φ		P O T		potential	various
Ψ		S T R		stream function	various

Subscripts

Letter Symbol Subscript	Computer Symbol Subscript Field		
a	A		air
a	A		apparent
a	A		atmospheric
aF	A F U		air-fuel
A	A		areal
b	B		bank or bank region
b	B		bubble-point or saturation
b	B		bulk (usually with volume, V_b)
b	B		burned or burning
bE	B E X		burned in experimental tube run (usually with volume, V_{bx})
bp	B P		bubble-point or saturation (usually with volume, V_{bp})
B	B		turbulence (used with F only, F_B)
c	C P		capillary (usually with capillary pressure, P_c)
c	C		contact (usually with contact angle, θ_c)
c	C		conversion (usually with conversion factor in Newton's Second Law of Motion, g_c)
c	C		critical
c	C		electrochemical
c/f	C F		casing, flowing (usually with pressure)
cs	C S		casing, static (usually with pressure)
C_1	C 1		methane ^a
C_2	C 2		ethane ^a
CO	C O		carbon monoxide ^a
CO_2	C O 2		carbon dioxide ^a
d	D		depleted region, depletion
d	D		dew-point
d	D		differential separation
d	D		dip (usually with angle, α_d)
d	D		displaced
d	D		drainage (usually with drainage radius, r_d)
D	Q		dimensionless quantity
D	D		displacement (usually with displacement efficiency, E_D)
Db	D B		displacement from burned portion of in situ combustion pattern (usually with efficiency, E_{Db})
Dm	Q M		dimensionless quantity at condition m
Du	D U		displacement from unburned portion of in situ combustion pattern (usually with efficiency, E_{Du})
e	E		cumulative influx (encroachment)
e	E		effective (or equivalent)
e	E		external boundary conditions
E	E X		experimental (usually with laboratory-measured parameters)
Eg	E X G		experimental value per mole of produced gas (usually with fuel consumption, m_{fg})
ext	X T		extrapolated
f	F		flash separation
f	F		fluid
f	F		formation (rock)
f	F		front region, front, or interface

Letter Symbol Subscript	Computer Symbol Subscript Field	Quantity
<i>F</i>	F	free (usually with gas or 'gas-oil ratio quantities)
<i>F</i>	F U	fuel (usually with fuel properties, such as ρ_f)
<i>Fi</i>	F I	initial free value (usually with gas, G_{fi})
<i>Fp</i>	F P	cumulative produced free value (usually with gas, G_{fp})
<i>g</i>	G	gas
<i>ga</i>	G A	gas at atmospheric conditions
<i>gb</i>	G B	gas at bubble-point conditions
<i>g^D</i>	G Q	gas, dimensionless
<i>h</i>	H	hole
<i>h</i>	H	hydrocarbon
<i>h</i>	H T	thermal (heat) (usually with thermal conductivity, k_a , and always with additional phase or system subscripts)
<i>hr</i>	H R	hydrocarbon, residual
<i>H₂S</i>	H 2 S	hydrogen sulfide ^a
<i>i</i>	I	cumulative injected
<i>i</i>	I	initial value or conditions
<i>i</i>	I	injection or injected
<i>i</i>	I	invaded zone
<i>iwf</i>	I W F	injection well, flowing conditions (usually with pressure, p_{iwf})
<i>iws</i>	I W S	injection well, static conditions (usually with pressure, p_{iws})
<i>I</i>	I	invasion (usually with invasion efficiency, E_i)
<i>j</i>	J	component j
<i>k</i>	K	electrokinetic
<i>L</i>	L	liquid
<i>l₂</i>	L	liquid phase
<i>Lp</i>	l ₁	liquid produced, cumulative (usually with condensate, G_{lp})
<i>lim</i>	L M	limiting value
<i>m</i>	F U	fuel (mass of) (usually with fuel concentration, C_a)
<i>m</i>	M	mud
<i>ma</i>	M A	matrix (solids, grain)
<i>mc</i>	M C	mud cake
<i>mf</i>	M F	mud filtrate
<i>l₂</i>	M	mixture
<i>M</i>	M	molal (usually with volume, V_m)
<i>max</i>	M X	maximum
<i>min</i>	M N	minimum
<i>n</i>	N	net
<i>N₂</i>	N 2	nitrogen ^a
<i>o</i>	O	formation 100 per cent saturated with water (used in R_o only)
<i>o</i>	O	oil (except when used with resistivity)
<i>ob</i>	O B	oil at bubble-point conditions (usually with formation volume factor, B_o)
<i>ob</i>	O B	oil from burned volume (usually with displacement ratio, δ_o)
<i>oD</i>	O Q	oil, dimensionless
<i>og</i>	O G	oil in gas cap (usually with saturation, S_o)
<i>ou</i>	O U	oil from unburned volume (usually with displacement ratio, δ_o)
<i>O₂</i>	O 2	oxygen ^a
<i>p</i>	P	cumulative produced
<i>p</i>	P	particle (usually with diameter, $\bar{d}_p$)
<i>p</i>	P	pore (usually with volume, V_p)
<i>p</i>	P	production period (usually with time, t_p)
<i>$\bar{p}$</i>	P A V	mean or average pressure
<i>pc</i>	P C	pseudo-critical
<i>pD</i>	P Q	dimensionless pore value (usually with volume, V_{pD})
<i>pE</i>	P E X	produced in experiment
<i>pj</i>	P J	produced component j (usually with moles, n_j)
<i>pr</i>	P R D	pseudo-reduced

Letter Symbol Subscript	Computer Symbol Subscript Field	Quantity
<i>P</i>	P	pattern (usually with pattern efficiency, E_p)
<i>r</i>	R D	reduced
<i>r</i>	R	relative
<i>r</i>	R	residual
<i>R</i>	R	recovery (usually with recovery efficiency, E_R)
<i>R</i>	R	reservoir
<i>Rb</i>	R B	reservoir rock, burned
<i>Re</i>	11	Reynolds (used with Reynolds number only, N_{Re})
<i>Ru</i>	R U	reservoir rock, unburned
<i>s</i>	S	segregation (usually with segregation rate, q_s)
<i>s</i>	S	skin (stimulation or damage)
<i>s</i>	S	solid (usually with volume or density)
<i>s</i>	S	solution (usually with gas-oil ratios)
<i>s</i>	S	specific (usually with J and I)
<i>s</i>	S	stabilization (usually with time)
<i>s</i>	S	surrounding formation
<i>s</i>	S	swept or swept region
<i>sb</i>	S B	solution at bubble-point conditions (usually with gas-oil ratio, R_{so})
<i>sc</i>	S C	standard conditions
<i>sE</i>	S E X	solids in experiment
<i>sh</i>	S H	shale
<i>si</i>	S I	solution, initial (usually with gas-oil ratio, R_{si})
<i>sp</i>	S P	separator conditions
<i>sw</i>	11	solution in water (usually with gas solubility in water, R_{sw})
<i>t</i>	T	gross
<i>t</i>	T	total, total system
12	T I	total initial in place in reservoir
<i>t</i>	T	true (electrical logging)
<i>tD</i>	T Q	dimensionless time
<i>tf</i>	T F	tubing, flowing (usually with pressure)
<i>ts</i>	T S	tubing, static (usually with pressure)
<i>u</i>	U	unburned
<i>v</i>	V	vaporization (usually with thermodynamic quantities)
12	V	vapor phase
12	V	velocity
<i>V</i>	V	volumetric (usually with volumetric efficiency, E_v)
<i>Vb</i>	V B	volumetric of burned portion of in situ combustion pattern (usually with efficiency, E_v)
<i>w</i>	W	water
<i>w</i>	W	well conditions
<i>wa</i>	W A	wellbore, apparent (usually with wellbore radius, r_{wa})
<i>wb</i>	W B	water from burned volume (usually with displacement ratio, δ_{wb})
<i>wD</i>	W Q	water, dimensionless
<i>wf</i>	W F	bottom-hole, flowing (usually with pressure or time)
<i>wf</i>	W F	well, flowing conditions (usually with time)
<i>wF</i>	W F U	water-fuel
<i>wg</i>	W G	water in gas cap (usually with saturation, S_{wg})
<i>wg</i>	W G	wet gas (usually with composition or content, C_{wg})
<i>wgp</i>	W G P	wet gas produced
<i>wo</i>	W O	water-oil (usually with instantaneous producing water-oil ratio, F_{wo})
<i>wop</i>	W O P	water-oil, produced (cumulative) (usually with cumulative water-oil ratio, F_{wop})
<i>ws</i>	W S	bottom-hole, static (usually with pressure or time)
<i>ws</i>	W S	well, static conditions (usually with time)
<i>xo</i>	X O	flushed zone
<i>z</i>	Z	conductive fluids in an invaded zone (either interfingered or juxtaposed)
1,2,3,etc.	13	numerical subscripts intended primarily to represent times or time periods; available secondarily as location subscripts

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