NEW MEXICO OIL CONSERVATION COMMISSION GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA EXCEPT BARKER DOME STORAGE AREA)

| Purchasing Pipeline Lease Well No. Unit Sec. Twp. Rge. Pay Zone: From To Casing: OD WT. Set At Tubing: OD WT. T. Perf. Produced Through: Casing Tubing: Gas Gravity: Measured Estimated Estimated Meter Run Size Orifice Size Orifice Size Type Chart Type Taps OBSERVED DATA Flowing neter pressure (Dwt) Plowing meter pressure (Dwt) Plowing meter pressure (meter reading when Dwt. measurement taken: Nomal chart reading Square root chart reading () 2x spring constant Well no. Paig + 12 = psia (d) Meter error (c) - (d) or (d) - (c) Flow through tabing calumn to meter: (b) - (c) Flow through tabing: (a) - (c) Flow through casing Seven day average static meter pressure (from meter chart): Nomal chart average reading () 2x spring constant Square root chart reade reading () 2x spring constant Seven day average static meter pressure (from meter chart): Nomal chart average reading () 2x spring constant Square root chart average reading () 2x spring constant Square root chart average reading () 2x spring constant Square root chart average reading () 2x spring constant Square root chart average reading () 2x spring constant Square root chart average reading () 2x spring constant Square root chart average reading () 2x spring constant Square root chart average reading () 2x spring constant Square root chart average reading () 2x spring constant Square root chart average reading () 2x spring constant Square root chart average reading () 2x spring constant Square root chart average reading () 2x spring constant Square root chart average reading () 2x spring constant Square root chart average reading () 2x spring constant Square root chart average reading () 2x spring constant Square root chart average reading () 2x spring constant Square root chart average reading () 2x spring constant Square root chart average reading () 2x spring constant Square root chart average reading () 2x spring constant Square root c | Pool ASS | | C.III | Formati | on Finance (L) | County | | |
|---|---------------------------------------|---|----------------|--|---------------------------------------|-----------------|----------------|----------------|
| Constitution Cons | Purchasina F | Pipeline | PAGE BAT | SHAL CAS (NOT) | Date | _ | ocupants 4, 39 | 96 |
| Unit Sec. Twp. Rge. Pay Zone: From To Casing: OD. WT. Set At Tubing: OD. WT. T. Perf. Produced Through: Casing Tubing. Gas Growty: Measured Estimated Date of Flow Test: From To To Tobres I.P. Measured Meter Run Size Orifice Size Type Chart Type Tape OBSERVED DATA Flowing cosing pressure (Owt) Play 12 paid 12 paid (c) Flowing neter pressure (Owt) paid 12 paid 12 paid (c) Flowing meter pressure (Owt) paid 12 paid (c) Flowing paid 12 paid (c) Flowing fremp. Owter Run) Flowing fremp. Owter Run paid (c) Flowing fremp. Owter Run) Flowing fremp. Owter Run paid (c) Flowing fremp. The flowing fremp. T | | | * | | | 100111100 | | |
| Unit Sec. Twp. Rige Pay Zone: From To Casting: OD WT. Set At. Tubing: OD. WT. T, Perf. Produced Through: Casting Tubing Gos Gravity: Measured Estimated Date of Flow Test: From To Late Date SI.P. Measured Orifice Size Type Chart Type Taps OBSERVED DATA Flowing casting pressure (Dwt) Flowing casting pressure (Dwt) Flowing neter pressure (Dwt) Playing neter pressure (Dwt) Playing neter pressure (Dwt) Seques not chart reading paid (d) or (d) - (c) Flowing neter pressure (Dwt) Flowing neter pressure (Dwt) Serven day average static meter pressure (From meter chart): Normal chart overage reading (so + (c) Flow through casting Serven day average static meter pressure (Dwt) Serven day average static meter pressure (Dwt) Serven day average static meter pressure (Dwt) Flowing neter pressure (Dwt) Flowing neter pressure (Dwt) Serven day average static meter pressure (From meter chart): Normal chart overage reading (Sause root chart overage root | Operator • | EMPLIAN OIL 4 | G49 G0M | Legse | | We We | II No. | |
| Casing: OD WT. Set At. Tubing: OD WT. T. Perf. Produced Through: Casing Tubing Gas Gravity: Measured Estimated Date of Flow Test: From To To Date St.P. Measured Meter Run Size Onfice Size Type Chart. Type Taps OBSERVED DATA Flowing costing pressure (Dwt) paid + 12 = paid (b) Flowing costing pressure (Dwt) paid + 12 = paid (b) Flowing neter pressure (Dwt) paid + 12 = paid (c) Flowing neter pressure (Dwt) paid + 12 = paid (d) Supers not chart reading paid (d) - (c) Flowing neter pressure (Od) of (d) - (c) Flowing neter pressure (d) of (d) - (c) Flowing chart develops needing (d) of (d) - (c) Flowing chart of of the pressure (d) of (d) - (c) Flowing chart of of the pressure (d) of (d) - (c) Flowing chart of of the pressure (d) of (d) - (c) Flowing chart of of the pressure (d) of (d) - (c) Flowing chart of of the pressure (d) of (d) - (c) Flowing chart of of the pressure (d) of (d) - (c) Flowing chart of of the pressure (d) of (d) - (c) Flowing chart of of the pressure (d) of (d) - (c) Flowing chart of of the pressure (d) of (d) - (c) Flowing chart of of the pressure (d) of (d) - (c) Flowing chart of of the pressure (d) of (d) - (c) Flowing chart of of the pressure (d) of (d) - (c) Flowing chart of the pressure (d) of (d) o | • | Sec. | Twr | | Pay Zone: From | | - | |
| Produced Through: Casing Tubing Gas Grovity: Measured Date of Flow Test: From To April 2014 S.J.P. Measured To Date S.J.P. Measured Type Chart Type Taps OBSERVED DATA Flowing casing pressure (Dwt) | | man. | | | | - 4 | | 505 |
| Dote of Flow Test: From | • | | | | | | | 45 |
| Meter Run Size | | | 2/32/36 | and the state of t | | | /16 | |
| Description | | | ‡ | | and and an | | Type Tope | 7 |
| Flowing casing pressure (Dwt) | Meter Hun Dr | .26 | | | | Charta a | Type Tups | = |
| Flowing meter pressure (Dwt) | | | | OBSEF | RVED DATA | | | |
| Flowing meter pressure (Devt) Powing meter pressure (meter reading when Dwt, measurement taken; Nomal chart reading Square root chart reading (| | C . | i | | | | - | (a) |
| Flowing meter pressure (meter reading when Dwt. measurement taken: Nomal chart reading | | | | | | | | (b) |
| Nomal chart reading | | | | | | + 12 = | psia | (c) |
| Sequer root chart reading (| | • | aging wien D | | | +12= | neia | (4) |
| Meter error (c) - (d) or (d) - (c) ### Triction loss, Flowing column to meter: (b) - (c) Flow through tubing; (d) - (c) Flow through cosing ### Seven day average static meter pressure (from meter chart): Nomal chart average reading | Square root | chart reading (|) 2 x | spring constant | parq | - 12 | | |
| Friction loss, Flowing column to meter: (b) - (c) Flow through tubing; (a) - (c) Flow through casing (b) - (c) Flow through tubing; (a) - (c) Flow through casing (c) Flow through tubing; (a) - (c) Flow through casing (d) Flowing the test pressure (from meter chart); Normal chart average reading Square root chart average reading Corrected seven day average seading (100 2) 2x sp., const. Py = (h) + (1) Wellhead casing shut-in pressure (Dwt) Wellhead casing shut-in pressure (Dwt) Wellhead tubing shut-in pressure (Dwt) Py = (h) or (k) whichever well flowed through Py = (h) or (k) whichever well flowed through Py = (h) or (k) whichever well flowed through Py = (h) Py = (h) (h) Py = (h) | | | | | | | | (e) |
| Seven day average static meter pressure (from meter chart): Normal chart average reading | Friction loss, | Flowing column to | meter: | | | | • | , , |
| Normal chart average reading (sq. sq. paid (sq. sq. sq. paid (sq. sq. sq. sq. sq. sq. sq. sq. sq. sq. | (b) - (c) Flo | ow through tubing: | (a) - (c) Flow | v through casing | • | = | psi | (f) |
| Square root chart average reading (| - | • | , | meter chart): | | | | |
| Corrected seven day avge, meter press, $(p_f)(g) + (e)$ $P_f = (h) + (f)$ wellhead costing shut-in pressure (Dwt) Wellhead taking shut-in pressure (Dwt) $P_c = (f)$ or (h) whichever well flowed through Flowing Temp. (Meter Run) $P_d = \frac{1}{2}P_c = \frac{1}{2}(1)$ $P_d = \frac{1}{2}P_c = \frac{1}{2}(1)$ $P_d = \frac{1}{2}P_c = \frac{1}{2}(1)$ $P_c = (f)$ $P_c = $ | | | 4 4 | . 2 | | + 12 = | • | (g) |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | | = | | • | | =_ | - | (g) |
| Wellhead casing shut-in pressure (Dwt) Wellhead tubing shut-in pressure (Dwt) Ppc = (I) or (k) whicheiver well flowed through Flowing Temp. (Meter Run) Pd = ½ Pc = ½ (I) Pc = (I) or (k) whicheiver well flowed through FLOW RATE CALCULATION V(c) = = = MCF/da Pc = ½ Pc + pd MCF/da. SUMMARY Deliverability Calculation MCF/da. Pc = MCF/da Pc Pc Pc MCF/da MCF/da MCF/da MCF/da Pc Pc MCF/da MCF/da MCF/da MCF/da Pc | | seven day avge. me | uer bress. (bł |) (g) + (e) | | | | |
| Wellhead tubing shut-in pressure (Dwt) | * | na shut-in pressure | (Dwt) | | psig | + 12 = | | |
| $P_{c} = (j) \text{ or } (k) \text{ whichever well flowed through} = $ | | - | - 1 | | | | | (k) |
| Flowing Temp. (Meter Run) $P_{d} = \frac{1}{2} P_{c} = \frac{1}{2} (1)$ $Q = \frac{1}{2} (Integrated)$ $Q = \frac{1}{$ | | | | • | | = | | (1) |
| $Q = \underbrace{\begin{array}{c} X \\ \text{(integrated)} \end{array}} X \underbrace{\begin{array}{c} FLOW \text{RATE CALCULATION} \\ Y(d) \\ \hline \\ V(d) \\ \hline \\ V(d) \\ \hline \end{array}} = \underbrace{\begin{array}{c} MCF/da \\ MCF/da \\ \hline \\ P_c^2 + P_d^2 \\ \hline \\ P_c^2 + P_w^2 \\ \hline \end{array}} = \underbrace{\begin{array}{c} MCF/da \\ MCF/da \\ \hline \\ MC$ | Flowing Temp. | . (Meter Run) | - | •F + | 460 | = | • A bs | s (m |
| Q = | $P_d = \frac{1}{2} P_c = \frac{1}{2}$ | (1) | | | | = | psia | (n) |
| Q = | | | | | | | | |
| (integrated) V(d) DELIVERABILITY CALCULATION $P_c^2 - P_d^2 = P_c^2 - P_w^2 = P_c^2 - P_w^$ | | | | FLOW RATE CA | LCULATION | | | |
| (integrated) V(d) DELIVERABILITY CALCULATION $P_c^2 - P_d^2 = P_c^2 - P_w^2 = P_c^2 - P_w^$ | | | | | | ١. | | |
| DELIVERABILITY CALCULATION $P_{c}^{2} - P_{d}^{2} = $ | Q = | * | × (| <u> </u> | == | }= | MCI | -∕dα |
| DELIVERABILITY CALCULATION $ \begin{array}{cccccccccccccccccccccccccccccccccc$ | (integrate | ed) | \ | VI. | | / | | |
| SUMMARY $ \begin{array}{c} P_c^2 - P_d^2 \\ P_c^2 - P_w^2 \\ \end{array} = \begin{array}{c} P_c^2 - P_w^2 - P_w^2 \\ \end{array} = \begin{array}{c} P_c^2 - P_w^2 - P_w^2 - P_w^2 \\ \end{array} = \begin{array}{c} P_c^2 - P_w^2 -$ | | | \ | N (d) | · · · · · · · · · · · · · · · · · · · | | | |
| SUMMARY $ \begin{array}{c} P_c^2 - P_d^2 \\ P_c^2 - P_w^2 \\ \end{array} = \begin{array}{c} P_c^2 - P_w^2 - P_w^2 \\ \end{array} = \begin{array}{c} P_c^2 - P_w^2 - P_w^2 - P_w^2 \\ \end{array} = \begin{array}{c} P_c^2 - P_w^2 -$ | | | | DELIVERABILI | TY CALCULATION | | | |
| SUMMARY PC = | | Г | 1 52 52\- | - | | | | |
| SUMMARY Pc = | D = 0 | .A93 | PetPa | - 18 3 - A B | n | _ | MGE. | / |
| Posia Company Mcf/day By Posia Title Pod = psia Witnessed by This is date of completion test. Meter error correction factor REMARKS OR FRICTION CALCULATIONS GL (1-e-s) (FcQ)2 (1-e-s) Pt2 Pt2+R2 Pw R2 (Column i) | o - Q | | D2 D2 | | | | MCF | raa. |
| Posia Company Mcf/day By Posia Title Pod = psia Witnessed by This is date of completion test. Meter error correction factor REMARKS OR FRICTION CALCULATIONS GL (1-e-s) (FcQ)2 (1-e-s) Pt2 Pt2+R2 Pw R2 (Column i) | | Ļ | \Pc +Pw/- | | 4 | | | |
| Posia Company Mcf/day By Posia Title Pod = psia Witnessed by This is date of completion test. Meter error correction factor REMARKS OR FRICTION CALCULATIONS GL (1-e-s) (FcQ)2 (1-e-s) Pt2 Pt2+R2 Pw R2 (Column i) | CI D () | LIDV | | _ ,, | | | | |
| Mcf/day psia psia Title psia Witnessed by Company This is date of completion test. Meter error correction factor REMARKS OR FRICTION CALCULATIONS GL (1-e-s) (F _c Q)2 (1-e-s) Pt ² R2 (Column i) Py Mcf/day Py Mcf/day Title Py Mitnessed by Company This is date of completion test. REMARKS OR FRICTION CALCULATIONS | SUMM | MATI | - W. S. | 4105 % | | a file batter | of Sec Server | |
| psia Title | Pc = | | | | | | MBane | 7) |
| psia Witnessed by Company This is date of completion test. Meter error correction factor REMARKS OR FRICTION CALCULATIONS GL (1-e-s) (FcQ)2 (1-e-s) Pt2 Pt2 Pw R2 (Column i) | 9 <u>-</u> | | | | | | p- (Bace | ·/- |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | Pa = | | / | - - | | | | |
| Meter error correction factor REMARKS OR FRICTION CALCULATIONS GL (1-e^-s) $(F_cQ)^2$ $(1-e^{-s})$ Pt^2 $P_t^2 + R^2$ P_w (Column i) | D = | A P | | • | | | | |
| Meter error correction factor REMARKS OR FRICTION CALCULATIONS GL (1-e^-s) $(F_cQ)^2$ $(1-e^{-s})$ Pt^2 $P_t^2 + R^2$ P_w (Column i) | • This is date | of completion test. | | , | | | | |
| GL $(1-e^{-S})$ $(F_cQ)^2$ $(1-e^{-S})$ Pt^2 $P_t^2 + R^2$ P_w | | | | | • | | | |
| GL (1-e ⁻³) (F_cQ)2 R2 (Column i) | | | 1 | REMARKS OR FRIC | TION CALCULATIONS | | | |
| R ² (Column i) | <u></u> | /1 . ==81 | | (Fo | Q) ² (1-e ^{-s}) | Pt ² | 5 2 . 5 2 | |
| | GL. | (1+e _) | (F cQ | n)Z | R ² | (Column i) | Pt" + K" | Pw |
| 227 277 2777 2777 2777 | | - | - | | | , | ### | |
| | | 4 | 4300 | 7 | 11.57 | 54.756 | 66,355 | |
| | | | | 1 | | | | _ |

| | | 4 | | | |
|-----|-------------------|-----------------------|--|--|--|
| • | | | | | |
| | | | | | |
| | OIL CONSERV | ATION COMMISSION | | | |
| | AZIEC DI | AZTEC DISTRICT OFFICE | | | |
| | lo. Copies Rec | | | | |
| | DISTRIBUTION | | | | |
| | | NO. FURNISHED | | | |
| | Operator | | | | |
| e e | Santa Fe | 7 | | | |
| | Proration Office | | | | |
| | State Land Office | | | | |
| • | U S. G. S. | 7 | | | |
| | Transporter | | | | |
| | File | | | | |
| | | | | | |

A CA