NEW MEXICO OIL CONSERVATION COMMISSION MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

| Operator | | | | | | | Lease or Unit Name | | | | |
|---|------------------|---|-------------|--------------------|---|---------------------------------------|-----------------------------------|---------------------|---|---|--|
| Williams Production Company | | | | | | Rosa Unit | | | | | |
| Test Type | | | Test Date | | early the | Wetl Number | | | | | |
| <u>X Initial</u> Annual | | Special | 7/11/99 | | | <u> </u> | | 64A | | | |
| Completion Date Total Depth | | Plug Back TI | |) | Elevation | | Unit J | Sec Twp 1 31 | Rng N 6W | | |
| Casing Size Weight | | Weight | d | Set At | Perforations: | | | County | La Plata | | |
| Tubing Cine | | Waight | d | Set At | From To | | 1 5 19 99 ¹ | Pool | Lariata | | |
| Tubing Size Weight | | weight | u . | Set At | From To |) | | | Blanco MV | | |
| Type Well - Single-Bradenhead-GG or GO Multiple | | | | | Packer Set An Down Down MV Temp. oF Barometer Pressure - Pa Connection | | | | | | |
| Producing Thru Reservoir To | | mp. oF Mean Annua | | Temp. oF Barometer | | Barometer F | Pressure - Pa Connection | | | | |
| | Н | Gq 0.6 | %CO2 | | %N2 | %H2S | | Prover 3/4" | Meter Run | Taps | |
| | | FLOW | DATA | | • | TUBIN | TUBING DATA | | IG DATA | | |
| | Prover X Orifice | | | | Temperature | | Temperature | | Temperature | | |
| | Line | Size | | Pressure | oF | Pressure | oF | Pressure | oF | Duration of | |
| NO | Size | | | p.s.i.q | | p.s.i.q | | p.s.i.q | | Flow | |
| SI | 2" X 3/4" | | | | | 1125 | | 1126 | | 0 | |
| 1 | | | | | | 421 | 63 | 1016 | | 0.5 hr | |
| 2 | | | | | | 411 | 68 | 977 | | 1.0 hr | |
| 3 | | | | | | 387 | 72 | 949 | | 1.5 hrs | |
| 4 | | | | | | 364 | 74 | 916 | | 2.0 hrs | |
| 5 | | | | | | 336 | 74 | 888 | | 3.0 hrs | |
| RATE OF FLOW CALCULATION | | | | | | | | | | | |
| | | | | | | | Flow Temp. | Gravity | Super | Rate of | |
| | | Coef | ficient | | | Pressure | Factor | Factor | Compress. | Flow | |
| NO | | - | Hours) | | hwPm | Pm | Fl | Fq | Factor, Fpv | Q,Mcfd | |
| 1 | | 9.0 | 504 | | | 348 | 0.9868 | 1.29 | 1.026 | 4365 | |
| 2 | | | | | | | | | | | |
| 3 | | | | | | | | | | | |
| 4 | | | | | | <u> </u> | | | | | |
| NO | Pr | Temp. oR | Tr | Z | | | | | | Mcf/bbl. | |
| 1 | | | | ļ | A.P.I Gravity of Liquid Hydrocabrons | | | | | Deq. | |
| 2 | | Specific Gravity Separator Specific Gravity Flowing Fluid xxxxxxxxxx | | | | | | XXXXXX | | | |
| 3 | | | | | | | | | | | |
| 4 | ļ | | | ļ <u></u> | | | | _p.s.i.a. | | p.s.i.a. | |
| 5 | <u></u> | | | | Critical Temp | erature R | | | | R | |
| Pc | 1138 | Pc2 | 1295044 | <u> </u> | | | | (0) | | • | |
| NO | Pt1 | Pw | Pw2 | Pc2-Pw2 | (1) | | <u>2.6699516</u> | (2) | | <u>2.0887071</u> | |
| 1 | | 900 | 810000 | 485044 | 4 | Pc2-Pw2 | | | Pc2-Pw2 | | |
| 2 | | | ļ <u>.</u> | ļ <u>.</u> | 1 | D 0: | 0115 | | | | |
| 3 | ļ | | | 1 | AOF = Q | $\frac{\text{Pc2}^n}{\text{Pc2}^n} =$ | <u>9117</u> | | | | |
| 4 | <u></u> | 0117 | N. 61 0 17 | 225 | 1 1 661 | Pc2 - Pw2 | | 01 | 0.75 | | |
| Absolute C | pen Flow | <u>9117</u> | Mcfd @ 15.0 | J23 | Angle of Slop | e | | Slope, n | 0.75 | | |
| Remarks: | | | la 1 | | | [C-11-7 | | Charles I.P. | - · · · · · · · · · · · · · · · · · · · | | |
| Approved By | Commission | : | Conducted E | - | | Calculated By: | | Checked By: | | | |
| | | | L | Chic Charle | <u>y</u> | Tracy Ross | | L | David Spitz | | |