

30.015.23850

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See Rule 401 & Rule 1122

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505

Month - Year  
APR 12 2007  
OCD - ARTESIA, NM

Form C-122  
Revised October, 1999

# MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

|                                                                                                                           |                             |                                           |                             |                                                           |                                                                                                      |                                          |                         |
|---------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------|-----------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------|
| Operator<br>OGX RESOURCES LLC                                                                                             |                             |                                           |                             | Lease or Unit Name<br>VASQUEZ <del>100</del>              |                                                                                                      |                                          |                         |
| Type Test<br><input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special |                             |                                           |                             | Test Date<br>11/10/06                                     |                                                                                                      | Well No.<br>1                            |                         |
| Completion Date                                                                                                           |                             | Total Depth                               |                             | Plug Back TD                                              |                                                                                                      | Elevation                                |                         |
| Csg. Size<br>5 1/2                                                                                                        |                             | Wt.<br>d                                  |                             | Set At                                                    |                                                                                                      | Perforations:<br>From: 12705 To: 12718   |                         |
| Tbg. Size<br>2 7/8                                                                                                        |                             | Wt.<br>6.5                                |                             | d<br>2.441                                                |                                                                                                      | Set At<br>12587                          |                         |
| Type Well-Single-Bradenhead-G.G. or G.O. Multiple<br>SINGLE                                                               |                             |                                           |                             | Packer Set At<br>12587                                    |                                                                                                      | Formation<br>MORROW                      |                         |
| Producing Thru<br>TBG                                                                                                     |                             | Reservoir Temp. °F<br>199 @ 12587         |                             | Mean Annual Temp. °F<br>60                                |                                                                                                      | Baro. Press. -P <sub>a</sub><br>13.2     |                         |
| L<br>12587                                                                                                                |                             | H<br>12587                                |                             | Gg<br>0.572                                               |                                                                                                      | %CO <sub>2</sub>                         |                         |
|                                                                                                                           |                             |                                           |                             | %N <sub>2</sub>                                           |                                                                                                      | %H <sub>2</sub> S                        |                         |
|                                                                                                                           |                             |                                           |                             | Prover<br>N/A                                             |                                                                                                      | Meter Run<br>4.068                       |                         |
|                                                                                                                           |                             |                                           |                             |                                                           |                                                                                                      | Taps<br>FLG                              |                         |
| FLOW DATA                                                                                                                 |                             |                                           |                             | TUBING DATA                                               |                                                                                                      | CASING DATA                              |                         |
| No.                                                                                                                       | Prover<br>Line<br>Size      | Orifice<br>x<br>Size                      | Press<br>p.s.i.g.           | Diff.<br>h <sub>w</sub>                                   | Temp.<br>°F                                                                                          | Press<br>p.s.i.g.                        | Temp.<br>°F             |
| SI                                                                                                                        |                             |                                           |                             |                                                           | 74                                                                                                   | 1000                                     |                         |
| 1                                                                                                                         | 4                           | X .750                                    | 429                         | 18                                                        | 57                                                                                                   | 480                                      |                         |
| 2                                                                                                                         |                             |                                           |                             |                                                           |                                                                                                      |                                          |                         |
| 3                                                                                                                         |                             |                                           |                             |                                                           |                                                                                                      |                                          |                         |
| 4                                                                                                                         |                             |                                           |                             |                                                           |                                                                                                      |                                          |                         |
| 5                                                                                                                         |                             |                                           |                             |                                                           |                                                                                                      |                                          |                         |
| RATE OF FLOW CALCULATIONS                                                                                                 |                             |                                           |                             |                                                           |                                                                                                      |                                          |                         |
| No.                                                                                                                       | COEFFICIENT<br>(24 Hour)    |                                           | $\sqrt{h_w P_m}$            | Pressure<br>P <sub>m</sub>                                | Flow Temp.<br>Factor Ft.                                                                             | Super Compress<br>Factor F <sub>pv</sub> | Rate of Flow<br>Q, Mcfd |
| 1                                                                                                                         |                             |                                           |                             |                                                           |                                                                                                      |                                          | 576                     |
| 2                                                                                                                         |                             |                                           |                             | TOTAL                                                     | FLOW                                                                                                 | METER                                    |                         |
| 3                                                                                                                         |                             |                                           |                             |                                                           |                                                                                                      |                                          |                         |
| 4                                                                                                                         |                             |                                           |                             |                                                           |                                                                                                      |                                          |                         |
| 5                                                                                                                         |                             |                                           |                             |                                                           |                                                                                                      |                                          |                         |
| No.                                                                                                                       | P <sub>r</sub>              | Temp. °R                                  | T <sub>r</sub>              | Z                                                         | Gas Liquid Hydrocarbon Ratio DRY Mcf bbl.                                                            |                                          |                         |
| 1                                                                                                                         |                             |                                           |                             |                                                           | A.P. I. Gravity of Liquid Hydrocarbons DRY GAS Deg.                                                  |                                          |                         |
| 2                                                                                                                         |                             |                                           |                             |                                                           | Specific Gravity Separator Gas 0.572 XXXXXXXX                                                        |                                          |                         |
| 3                                                                                                                         |                             |                                           | N/A                         |                                                           | Specific Gravity Flowing Fluid XXXXXX N/A                                                            |                                          |                         |
| 4                                                                                                                         |                             |                                           |                             |                                                           | Critical Pressure P.S.I.A. 672 P.S.I.A.                                                              |                                          |                         |
| 5                                                                                                                         |                             |                                           |                             |                                                           | Critical Temperature R. 346 R                                                                        |                                          |                         |
| P <sub>c</sub> 1013.2                                                                                                     |                             | P <sub>2</sub> 1026.6                     |                             |                                                           |                                                                                                      |                                          |                         |
| No.                                                                                                                       | P <sub>t</sub> <sup>2</sup> | P <sub>w</sub>                            | P <sub>w</sub> <sup>2</sup> | P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> | (1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.318$ (2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.318$ |                                          |                         |
| 1                                                                                                                         |                             | 497.8                                     | 247.8                       | 778.8                                                     |                                                                                                      |                                          |                         |
| 2                                                                                                                         |                             |                                           |                             |                                                           |                                                                                                      |                                          |                         |
| 3                                                                                                                         |                             |                                           |                             |                                                           |                                                                                                      |                                          |                         |
| 4                                                                                                                         |                             |                                           |                             |                                                           |                                                                                                      |                                          |                         |
| 5                                                                                                                         |                             |                                           |                             |                                                           |                                                                                                      |                                          |                         |
| Absolute Open Flow 759                                                                                                    |                             |                                           |                             | Mcf @ 15.025                                              | Angle of Slope (°)                                                                                   | 45                                       | Slope n: 1              |
| Remarks:<br>Well produced 2400 bbls during 24 hr test                                                                     |                             |                                           |                             |                                                           |                                                                                                      |                                          |                         |
| Approved By Division:                                                                                                     |                             | Conducted By:<br>Sonic Petroleum Services |                             | Calculated By:<br>BM                                      |                                                                                                      | Checked By:<br>BM                        |                         |

|   |                             |  |                |  |                      |  |                 |  |                       |  |            |  |             |  |              |  |   |
|---|-----------------------------|--|----------------|--|----------------------|--|-----------------|--|-----------------------|--|------------|--|-------------|--|--------------|--|---|
| 0 | COMPANY : OGX RESOURCES LLC |  |                |  | LEASE : VASQUEZ FED. |  |                 |  | WELL NO. : 1          |  |            |  | Pc = 1013.2 |  | Pc2 = 1026.6 |  | * |
|   | UNIT :                      |  |                |  | SECTION :            |  |                 |  | TOWNSHIP :            |  |            |  |             |  |              |  | * |
|   | L : 12587                   |  | H : 12587      |  | L/H : 1              |  | G/GMIX : 0.572  |  | Pt2 = 243.2           |  | Pw = 497.8 |  | *           |  |              |  | * |
|   | %CO2 :                      |  | %N2 :          |  | H2S :                |  | DATE : 11/10/06 |  | 0.0                   |  | ERR        |  | *           |  |              |  | * |
|   | d : 2.441                   |  | Fr : 0.010763  |  | GH : 7199.8          |  | RANGE :         |  | 0.0                   |  | ERR        |  | *           |  |              |  | * |
|   |                             |  |                |  |                      |  |                 |  | 0.0                   |  | ERR        |  | *           |  |              |  | * |
|   |                             |  |                |  |                      |  |                 |  |                       |  |            |  | *           |  |              |  | * |
|   | VOL 1 : 576                 |  | PSIA 1 : 493.2 |  | RESV.TEMP 199.0      |  | Pc2-Pw2= 778.8  |  | Pw2 = 247.8           |  | *          |  |             |  |              |  | * |
|   | VOL 2 :                     |  | PSIA 2 :       |  |                      |  | ERR             |  | ERR                   |  | *          |  |             |  |              |  | * |
|   | VOL 3 :                     |  | PSIA 3 :       |  | SHUT-IN PR= 1013.2   |  | ERR             |  | ERR                   |  | *          |  |             |  |              |  | * |
|   | VOL 4 :                     |  | PSIA 4 :       |  |                      |  | ERR             |  | ERR                   |  | *          |  |             |  |              |  | * |
|   |                             |  |                |  |                      |  |                 |  |                       |  | *          |  |             |  |              |  | * |
|   |                             |  | PCR : 672      |  |                      |  |                 |  | n = 1.000             |  | *          |  |             |  |              |  | * |
|   |                             |  | TCR : 346      |  |                      |  |                 |  |                       |  | *          |  |             |  |              |  | * |
|   |                             |  |                |  |                      |  |                 |  | Pc2/(Pc2-Pw2) = 1.318 |  | *          |  |             |  |              |  | * |
|   |                             |  |                |  |                      |  |                 |  | ERR                   |  | *          |  |             |  |              |  | * |
|   |                             |  |                |  |                      |  |                 |  | ERR                   |  | *          |  |             |  |              |  | * |
|   |                             |  |                |  |                      |  |                 |  | ERR                   |  | *          |  |             |  |              |  | * |
|   |                             |  |                |  |                      |  |                 |  |                       |  | *          |  |             |  |              |  | * |
|   |                             |  |                |  |                      |  |                 |  |                       |  |            |  |             |  |              |  | * |
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|   |                             |  |                |  |                      |  |                 |  |                       |  |            |  |             |  |              |  | * |
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|   |                             |  |                |  |                      |  |                 |  |                       |  |            |  |             |  |              |  | * |
|   |                             |  |                |  |                      |  |                 |  |                       |  |            |  |             |  |              |  | * |
|   |                             |  |                |  |                      |  |                 |  |                       |  |            |  |             |  |              |  | * |
|   |                             |  |                |  |                      |  |                 |  |                       |  |            |  |             |  |              |  | * |
|   |                             |  |                |  |                      |  |                 |  |                       |  |            |  |             |  |              |  | * |
|   |                             |  |                |  |                      |  |                 |  |                       |  |            |  |             |  |              |  | * |
|   |                             |  |                |  |                      |  |                 |  |                       |  |            |  |             |  |              |  | * |
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|   |                             |  |                |  |                      |  |                 |  |                       |  |            |  |             |  |              |  | * |
|   |                             |  |                |  |                      |  |                 |  |                       |  |            |  |             |  |              |  | * |
|   |                             |  |                |  |                      |  |                 |  |                       |  |            |  |             |  |              |  | * |
|   |                             |  |                |  |                      |  |                 |  |                       |  |            |  |             |  |              |  | * |
|   |                             |  |                |  |                      |  |                 |  |                       |  |            |  |             |  |              |  | * |
|   |                             |  |                |  |                      |  |                 |  |                       |  |            |  |             |  |              |  | * |
|   |                             |  |                |  |                      |  |                 |  |                       |  |            |  |             |  |              |  | * |
|   |                             |  |                |  |                      |  |                 |  |                       |  |            |  |             |  |              |  | * |
|   |                             |  |                |  |                      |  |                 |  |                       |  |            |  |             |  |              |  | * |
|   |                             |  |                |  |                      |  |                 |  |                       |  |            |  |             |  |              |  | * |
|   |                             |  |                |  |                      |  |                 |  |                       |  |            |  |             |  |              |  | * |
|   |                             |  |                |  |                      |  |                 |  |                       |  |            |  |             |  |              |  | * |

# OGX RESOURCES LLC

VASQUEZ FED. # 1

