

# NEW MEXICO ENERGY, MINERALS, & NATURAL RESOURCES DEPARTMENT

## NORTHWEST NEW MEXICO PACKER LEAKAGE TEST

Operator: ConocoPhillips Company Lease Name: STOREY C LS Well No.: 8  
 API Number: 30-045-06974 Unit Letter: 71K Section: 33 Township: 28N Range: 9W

|            | Name of Formation or Reservoir | Production Type<br>(Oil or Gas) | Production Method<br>(Flow or Art. Lift) | Production Medium<br>(Tbg or Csg) |
|------------|--------------------------------|---------------------------------|------------------------------------------|-----------------------------------|
| Upper Zone | <b>PICTURED CLIFFS</b>         | <b>GAS</b>                      | <b>FLOW</b>                              | <b>CASING</b>                     |
| Lower Zone | <b>MESA VERDE</b>              | <b>GAS</b>                      | <b>ART. LIFT</b>                         | <b>TUBING</b>                     |

| INITIAL SHUT-IN AND FINAL BUILDUP PRESSURES |                                 |                                 |                                        |                                         |                                       |
|---------------------------------------------|---------------------------------|---------------------------------|----------------------------------------|-----------------------------------------|---------------------------------------|
| Upper Zone                                  | Date Shut In<br><b>06/15/06</b> | Hour Shut In<br><b>1200 hrs</b> | Initial SI Pressure<br><b>135 psig</b> | Final Buildup Press.<br><b>173 psig</b> | Stabilized? (Yes or No)<br><b>YES</b> |
| Lower Zone                                  | Date Shut In<br><b>06/15/06</b> | Hour Shut In<br><b>1200 hrs</b> | Initial SI Pressure<br><b>250 psig</b> | Final Buildup Press.<br><b>300 psig</b> | Stabilized? (Yes or No)<br><b>YES</b> |

| BUILDUP DATA |                               |                         |          |                                      |
|--------------|-------------------------------|-------------------------|----------|--------------------------------------|
| Date         | Elapsed Time<br>Since Shut-In | Pressure<br>Upper Lower |          | Remarks                              |
| 06/16/06     | 24 hrs                        | 166 psig                | 296 psig | CASING PRESSURE = 167 psig           |
| 06/18/06     | 69 hrs                        | 169 psig                | 300 psig | CASING PRESSURE = 170 psig           |
| 06/19/06     | 96 hrs                        | 170 psig                | 300 psig | CASING PRESSURE = 171 psig           |
| 06/21/06     | 145 hrs                       | 173 psig                | 300 psig | CASING PRESSURE = 173 psig           |
| 06/22/06     | 170 hrs                       | 173 psig                | 300 psig | CASING PRESSURE = 174 psig           |
|              |                               |                         |          | ALL VALVES SHUT IN DURING BUILD UP!! |

| FLOW TEST #1               |                               |                         |          |                                  |   |                                           |
|----------------------------|-------------------------------|-------------------------|----------|----------------------------------|---|-------------------------------------------|
| Commenced at (Date, Hour): |                               | 06/22/06                | 12:00 AM | Zone Producing (Upper or Lower): |   | Lower (Mesa Verde)                        |
| Time<br>(Date or Hour)     | Elapsed Time<br>Since Shut-In | Pressure<br>Upper Lower |          | Flow Rate<br>MCFD BOPD           |   | Remarks                                   |
| 06-22-06                   | 170 hrs                       | 173 psig                | 187 psig | 868                              | * | L.P.=145 psig D.P.=172" H2O C.P.=177 psig |
| 06-26-06                   | 264 hrs                       | 173 psig                | 139 psig | 294                              | * | L.P.=141 psig D.P.=021" H2O C.P.=177 psig |
| 06-27-06                   | 290 hrs                       | 175 psig                | 130 psig | 0                                | * | L.P.=141 psig D.P.=000" H2O C.P.=177 psig |
| 06-28-06                   | 313 hrs                       | 176 psig                | 135 psig | 88                               | * | L.P.=143 psig D.P.=002" H2O C.P.=177 psig |

| FLOW TEST #2 (If first flow test fails.) |                               |                         |          |                                  |   |                                           |
|------------------------------------------|-------------------------------|-------------------------|----------|----------------------------------|---|-------------------------------------------|
| Commenced at (Date, Hour):               |                               | 06/02/06                | 1200 hrs | Zone Producing (Upper or Lower): |   | Upper (Pictured Cliffs)                   |
| Time<br>(Date or Hour)                   | Elapsed Time<br>Since Shut-In | Pressure<br>Upper Lower |          | Flow Rate<br>MCFD BOPD           |   | Remarks                                   |
| 07-03-06                                 | 430 hrs                       | 178 psig                | 300 psig | *                                | * | C.P.=180 psig prior to start up of test.  |
| 07-03-06                                 | 430 hrs                       | 158 psig                | 300 psig | 137                              | * | L.P.=152 psia D.P.=173" H2O C.P.=174 psig |
| 07-04-06                                 | 453 hrs                       | 146 psig                | 300 psig | 136                              | * | L.P.=151 psia D.P.=173" H2O C.P.=157 psig |
| 07-05-06                                 | 481 hrs                       | 137 psig                | 300 psig | 100                              | * | L.P.=148 psia D.P.=101" H2O C.P.=151 psig |
| 07-06-06                                 | 504 hrs                       | 140 psig                | 300 psig | 134                              | * | L.P.=149 psia D.P.=174" H2O C.P.=155 psig |

| FLOW TEST DATA                   |  |                   |   |                |  |         |
|----------------------------------|--|-------------------|---|----------------|--|---------|
| Gas Measurement (MCFD) based on: |  | EFM Orifice Meter | X | Dry Flow Meter |  | Turbine |
| Oil Measurement (BOPD) based on: |  | Tank Gage         | X | PDM            |  | GOR     |

Remarks:

I hereby certify that the information contained herein is true and complete to the best of my knowledge.

Approved: New Mexico Oil and Gas Commission Date: JUL 12 2006 Operator: ConocoPhillips Company  
 By: H. Villanueva Title: DEPUTY OIL & GAS INSPECTOR, DIST. 8 By: MARVIN J. CHARLEY Title: MSO  
 Date: JUL 12 2006 Date: 07/07/06