

## NEW MEXICO ENERGY, MINERALS, &amp; NATURAL RESOURCES DEPARTMENT

## NORTHWEST NEW MEXICO PACKER LEAKAGE TEST

Operator: ConocoPhillips Company Lease Name: STOREY C LS Well No.: 7API Number: 30-045-07198 Unit Letter: B Section 27 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 | PICTURED CLIFFS                | GAS                               | FLOW                                       | TUBING                              |
| Lower Zone | MESA VERDE                     | GAS                               | ART. LIFT                                  | TUBING                              |

## INITIAL SHUT-IN AND FINAL BUILDUP PRESSURES

| Upper Zone | Date Shut In | Hour Shut In | Initial SI Pressure | Final Buildup Press. | Stabilized? ( Yes or No ) |
|------------|--------------|--------------|---------------------|----------------------|---------------------------|
|            | 08/28/06     | 1200 hrs     | 173 psig            | 177 psig             | YES                       |
| Lower Zone | Date Shut In | Hour Shut In | Initial SI Pressure | Final Buildup Press. | Stabilized? ( Yes or No ) |
|            | 08/28/06     | 1200 hrs     | 221 psig            | 232 psig             | YES                       |

## BUILDUP DATA

| Date     | Elapsed Time<br>Since Shut-In | Pressure (psig) |       | Remarks                   |
|----------|-------------------------------|-----------------|-------|---------------------------|
|          |                               | Upper           | Lower |                           |
| 08/30/06 | 48 hrs                        | 173             | 226   | CASING PRESSURE--174 psig |
| 09/02/06 | 116 hrs                       | 176             | 229   | CASING PRESSURE--176 psig |
| 09/04/06 | 165 hrs                       | 177             | 232   | CASING PRESSURE--177 psig |
| 09/05/06 | 188 hrs                       | 177             | 232   | CASING PRESSURE--177 psig |
| 09/06/06 | 219 hrs                       | 177             | 232   | CASING PRESSURE--177 psig |

## FLOW TEST #1

| Commenced at ( Date, Hour ): |                               | 09/07/06        | 1130 hrs | Zone Producing ( Upper or Lower ): |       | LOWER   |
|------------------------------|-------------------------------|-----------------|----------|------------------------------------|-------|---|
| Time<br>(Date or Hour)       | Elapsed Time<br>Since Shut-In | Pressure (psig) |          | Flow Rate                          |       | Remarks   |
|                              |                               | Upper           | Lower    | MCFD                               | BOPD  |   |
| 1130                         | 239.5 hrs                     | 177             | 207      | 273                                | ***** | DP-16.7 LP-123 psig                                 |
| 1300                         | 241 hrs                       | 177             | 185      | 256                                | ***** | DP-15.5 LP-124 psig                                 |
| 1400                         | 242 hrs                       | 177             | 172      | 265                                | ***** | DP-15.9 LP-126 psig. Increased RPM fr. 1770 to 1800 |
| 1530                         | 243.5 hrs                     | 177             | 143      | 278                                | ***** | DP-17.6 LP-123 psig                                 |

## FLOW TEST #2 ( If first flow test fails. )

| Commenced at ( Date, Hour ): |                               |          |       | Zone Producing ( Upper or Lower ): |      |         |
|------------------------------|-------------------------------|----------|-------|------------------------------------|------|---------|
| Time<br>(Date or Hour)       | Elapsed Time<br>Since Shut-In | Pressure |       | Flow Rate                          |      | Remarks |
|                              |                               | Upper    | Lower | MCFD                               | BOPD |         |
|                              |                               |          |       |                                    |      |         |
|                              |                               |          |       |                                    |      |         |
|                              |                               |          |       |                                    |      |         |
|                              |                               |          |       |                                    |      |         |
|                              |                               |          |       |                                    |      |         |
|                              |                               |          |       |                                    |      |         |

## FLOW TEST DATA

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

Remarks 09-07-06. Test was started again today w/MV @ 207 psig and PC @ 177 psig. During 09-06 compressor was run until low suction kill was activated/ PC side was still shut in. Today's test 09-07 MV pressure dropped nearly 20 % below PC side.

*Witness Lost part of Test.*

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

Approved SEP 25 2006

Date

Operator ConocoPhillips Company

New Mexico Oil and Gas Commission

By MARVIN CHARLEY

By

Title

MSO

Title

DEPUTY OIL & GAS INSPECTOR, DIST. 42

Date

Date

09/07/06