

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

## NORTHWEST NEW MEXICO PACKER LEAKAGE TEST

Operator: ConocoPhillips Company Lease Name: JICARILLA K Well No.: 18  
 API Number: 30-039-20567 Unit Letter: M Section 2 Township: 25N Range 5W

|            | 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                                       | casing                              |
| Lower Zone | Chacra                         | Gas                               | Flow                                       | 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 ) |
|------------|--------------|--------------|---------------------|----------------------|---------------------------|
|            | 10/03/05     | 8:30 AM      | 147                 | 157                  | yes                       |
| Lower Zone | Date Shut In | Hour Shut In | Initial SI Pressure | Final Buildup Press. | Stabilized? ( Yes or No ) |
|            | 10/03/05     | 8:30am       | 152                 | 373                  | yes                       |

## BUILDUP DATA

| Date     | Elapsed Time<br>Since Shut-In | Pressure |       | Remarks                      |
|----------|-------------------------------|----------|-------|------------------------------|
|          |                               | Upper    | Lower |                              |
| 10/04/05 | 1 Day                         | 152      | 370   | Both Zones Shut in           |
| 10/05/05 | 2 Days                        | 154      | 373   | Turn on Higher pressure zone |
|          |                               |          |       |                              |
|          |                               |          |       |                              |
|          |                               |          |       |                              |
|          |                               |          |       |                              |

## FLOW TEST #1

| Commenced at ( Date, Hour ): |                               | 10/06/05 | 9:15am | Zone Producing ( Upper or Lower ): |      | lower   |
|------------------------------|-------------------------------|----------|--------|------------------------------------|------|---------|
| Time<br>(Date or Hour)       | Elapsed Time<br>Since Shut-In | Pressure |        | Flow Rate                          |      | Remarks |
|                              |                               | Upper    | Lower  | MCFD                               | BOPD |         |
| 10-06-05                     | 3 days                        | 157      | 50     |                                    |      | o.k.    |
|                              |                               |          |        |                                    |      |         |
|                              |                               |          |        |                                    |      |         |
|                              |                               |          |        |                                    |      |         |
|                              |                               |          |        |                                    |      |         |

## 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 |  | Dry Flow Meter |      | Turbine |
| Oil Measurement (BOPD) based on: | Tank Gage         |  | PDM            | LACT | GOR     |

Remarks

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

Approved

A. Villanueva  
 New Mexico Oil and Gas Commission

Date

NOV 23 2005

Operator

ConocoPhillips Company

By

Damian Cassador

Title

MSO

By

Title

DEPUTY OIL & GAS INSPECTOR, DIST. 4

Date

Date

10/07/05