This form is not to be used for reporting packer leakage tests in Southeast New Mexico

NEW MEXICO OIL CONSERVATION DIVISION

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST

Revised June 10, 2003

Operator ___McElvain Energy Inc_____ Lease Name __Howard Federal_____ Well No. _15 # 43___

Location Of Well: Unit Letter ___I____ Sec __15____ Twp __25N___ Rge ___2W__ API # 30-039-23949_____

	Name of Reservoir or Pool	Type of Prod. (Oil or Gas)	Method of Prod. (Flow or Art. Lift)	Prod. Medium (Tbg. Or Csg.)
Upper Completion	Mesa Verde	Gas	Flow	Tbg
Lower Completion	Dakota	Gas	Flow	Tbg

Pre-Flow Shut-In Pressure Data

Upper Completion	Hour, Date, Shut-In 15:05, 7-15-13	Length of Time Shut-In 3 days	SI Press. Psig 79	Stabilized? (Yes or No) Yes
Lower Completion	Hour, Date, Shut-In 15:05, 7-15-13	Length of Time Shut-In 3 days	SI Press. Psig 577	Stabilized? (Yes or No) Yes

Flow Test No. 1

Commenced at (hour, date)*14:29, 7-18-13				Zone producing (_Upper or Lower): Upper	
Time (Hour, Date)	Lapsed Time Since*	Pressure Upper Compl.	Pressure Lower Compl.	Prod. Zone Temp.	Remarks
14:50 7-18-13	0	79	577		
15:02 7-22-13	4 days	72	578		
12:12 7-25-13	7 days	71	578		OIL CONS. DIV DIST. 3 AUG 23 2013

Production rate during test

Oil: ___0_____ BOPD based on _____Bbls. In _____ Hrs. _____ Grav. _____ GOR _____

Gas: _____200_____ MCFPD; Test thru (Orifice or Meter): _____Orifice_____

Mid-Test Shut-In Pressure Data

Upper Completion	Hour, Date, Shut-In 15:26, 7-26-13	Length of Time Shut-In 4	SI Press. Psig ~~650~~ 65	Stabilized? (Yes or No) Yes
Lower Completion	Hour, Date, Shut-In 15:05, 7-15-13	Length of Time Shut-In 14	SI Press. Psig 578	Stabilized? (Yes or No) Yes

(Continue on reverse side)

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Flow Test No. 2

Commenced at (hour, date)** 12:00, 7030-13				Zone producing (Upper or Lower): Lower	
Time (Hour, Date)	Lapsed Time Since**	Pressure Upper Compl.	Pressure Lower Compl.	Prod. Zone Temp.	Remarks
12:15 7-30-13	.25 Hrs	76	424		Well is temporarily disconnected, vent 3 Hrs for flow test.
12:30 7-30-12	.5 Hr	76	296		
12:45 7-30-13	.75 Hrs	76	222		
13:00 7-30-13	1 Hrs	76	208		
14:00 7-30-13	2 Hrs	76	178		
15:00 7-30-13	3 Hrs	76	156		

Production rate during test

Oil: _____ BOPD based on _____ Bbls. In _____ Hrs. _____ Grav. _____ GOR _____

Gas: _____25_____ MCFPD; Test thru (Orifice or Meter): _____Orifice_____

Remarks:

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

Approved _____9/13_____ 20_13_

New Mexico Oil Conservation Division

By _____

Title Deputy Oil & Gas Inspector, District #3

Operator __McElvain Energy Inc_____

By _____Glenn R Hise_____

Title _____Operations Supervisor_____

E-mail Address _ghise@mcelvain.com_____

Date _____8-20-13_____

Northwest New Mexico Packer Leakage Test Instructions

1. A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracture treatment, and whenever remedial work has been done on a well during which the packer or the tubing have been disturbed. Tests shall also be taken at any time that communication is suspected or when requested by the Division.

2. At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Division in writing of the exact time the test is to be commenced. Offset operators shall also be so notified.

3. The packer leakage test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the well-head pressure in each has stabilized, provided however, that they need not remain shut-in more than seven days.

4. For Flow Test No. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone remains shut-in. Such test shall be continued for seven days in case of a gas well and 24 hours in the case of an oil well. Note: if, on an initial packer leakage test, a gas well is being flowed to the atmosphere due to the lack of a pipeline connection the flow period shall be three hours.

5. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.

6. Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1 except that the previously produced zone shall remain shut-in while the zone which was previously shut-in is produced.

7. Pressures for gas-zone tests must be measured on each zone with a deadweight pressure gauge at time intervals as follows: 3 hour tests: immediately prior to the beginning of each flow-period, at fifteen-minute intervals during the first hour thereof, and at hourly intervals thereafter, including one pressure measurement immediately prior to the beginning of each flow period, at least one time during each flow period (at approximately the midway point) and immediately prior to the conclusion of each flow period. Other pressures may be taken as desired, or may be requested on wells which have previously shown questionable test data.

24-hour oil zone tests: all pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges the accuracy of which must be checked at least twice, once at the beginning and once at the end of each test, with a deadweight pressure gauge. If a well is a gas-oil or an oil-gas dual completion, the recording