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

NEW MEXICO OIL CONSERVATION DIVISION

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NORTHWEST NEW MEXICO PACKER LEAKAGE TEST

Revised June 10, 2003

Name of Reservoir or Pool Type of Prod. Method of Prod. Prod. Medium (Tbg. Or Csg.	Operator X70 Energy			Lease Name Fee				Well No. 74
Upper Completion Picture Cliff Gas Flow Csg. Lower Completion MeSa Vende Gas Flow Csg. Pre-Flow Shut-In Pressure Data Pre-Flow Shut-In Pressure Data Upper Completion 8'.00 a.m. 12/1/15 244 0/ays 166 Lower Hour, Date, Shut-In Completion 8'.00 a.m. 8/13/16 72 440 0/ays 166 Commenced at (hour, date)* 8'.00 a.m. 8/13/16 Zone producing (Upper or Cower) Lower Completion Since* Upper Compl. Lower Compl. Temp. Since* Upper Compl. Lower Compl. Temp. 3337 Flow Test No. 1 Commenced at (hour, date)* 8'.00 a.m. 8/14/16 Zone producing (Upper or Cower) Lower Compl. Temp. 8'.00 a.m. 8/14/16 Zone producing (Upper or Cower) Lower Compl. Temp. 8'.00 a.m. 8/15/16 24 hoves 167 329 W/A Well Shot In Since* Blew well Lower Compl. Since* Since* 167 333 W/A Well Shot In Since* Since* 167 136 W/A Lower Thin will cover the complete, Toward Since a.m. 8/15/16 24 hoves 167 136 W/A Lower Thin will cover the complete, Toward Since a.m. 8/15/16 24 hoves 167 136 W/A Lower Thin will cover the complete Since a.m. 8/15/16 24 hoves 167 136 W/A Lower Thin will cover the complete Since a.m. 8/15/16 24 hoves 167 136 W/A Lower Thin will cover the cover Thin will cover the cover			-	7_ Twp 30	N Rge /	lW	_ API # 30-0_ 4	5-25388
Completion Picture Offer Gas Flow Tog Lower Completion Mesa Verde Gas Flow Tog Pre-Flow Shut-In Pressure Data Upper Hour, Date, Shut-In Si Press, Psig Stabilized? (Yes) Offer Stabilized? (Yes) Of		Name of Reservoir or Pool				The state of the s		Prod. Medium (Tbg. Or Csg.)
Pre-Flow Shut-In Pressure Data Upper Completion	Completion	Picture 0	Cliff	Gas		Flow		Csg
Upper Completion 8:00 a.m., 12/11/15 Length of Time Shut-In 2 44 34 5 166 Stabilized? (Yes) 167 Stabilized? (Y		Mesa Ve.	nde	Gas		Flow		769
Completion 8.00 a.m., 12/11/15 244 0/49 166 Lower Completion 8.00 a.m., 12/11/15 244 0/49 166 Lower Completion 8.00 a.m., 8/13/16 24 60 a.m., 8/13/16 72 Hove 3337 Flow Test No. 1 Commenced at (hour, date)* 9.00 a.m., 8/16/16 Zone producing (Upper or Cower) Lower Completion 10 Expect Time (Hour, Date) Since* Upper Completion 10 Lower Completion 10 Temp. 8.00 a.m. 24 hoves 167 329 N/A Well Shot IN 8.105/16 24 hoves 167 333 N/A Well Shot IN 8.105/16 24 hoves 167 130 N/A Lower Then where 20ne 18/16/16 24 hoves 167 136 N/A Lower Then where 20ne 18/16/16 24 hoves 167 136 N/A Well on Line 1600 Oil CONS. DIV DIST. 3 Production rate during test Oil: BOPD based on Bbls. In Hrs. Grav. GOR Gas: 37 MCFPD; Test thru (Orifice or Meter): Oil Fig. Mid-Test Shut-In Pressure Data Upper Hour, Date, Shut-In Length of Time Shut-In SI Press. Psig Stabilized? (Yes or			Pr	e-Flow Shut-In	Pressure Da	ıta		
Completion Si Press, Psig Stabilized? (Yes)		Hour, Date, Shut	12/11/15					Stabilized? (Yes) or No)
Flow Test No. 1 Zone producing (Upper or Cower) Lower		Hour, Date, Shut-In		Length of Time Shut-In				Stabilized? (Yes or No)
Commenced at (hour, date)* 8, o a.m., 8/16/16 Zone producing (Upper or Cower) Lower Time (Hour, Date) Since* Upper Compl. Lower Compl. Temp. 8:00 a.m. 24 hours 167 329 N/A Well Shot IN 8:00 a.m. 24 hours 167 333 N/A Well Shot IN 8:10-10 A.M. 24 hours 167 120 N/A Lower Then upper Jone the upper Jone then upper Jone then upper Jone the upper Jone th								
Time (Hour, Date) Since* Upper Compl. Lower Compl. Temp. 8'00 a.m. 3/4/16 24 hoves 167 329 N/A Well Shot IN 8'00 a.m. 2/16/16 24 hoves 167 333 N/A Well Shot IN 8'16/16 24 hoves 167 130 N/A Lower Lower Lower Lower Then viller, Joneth Shot In Shot In Grav. 8/17/16 24 hoves 167 136 N/A Well on Line Production rate during test Oil: BOPD based on Bbls. In Hrs. Grav. GOR Gas: 27 MCFPD; Test thru (Orifice or Meter): OriFice Mid-Test Shut-In Pressure Data Upper Hour, Date, Shut-In Length of Time Shut-In SI Press. Psig Stabilized? (Yes or	Commenced	at (hour, date)* §	1,00 a.m. 8/	16/16		ıg (Up	per or Lower):	Lower
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S 15 6 24 hoves 6 333 W 4 Well Short In S 16 16 14 hoves 167 130 W 4 Lower Then whier, I short In S 16 16 14 hoves 167 136 W 4 Lower Then whier, I short In S 17 16 24 Hoves 167 136 W 4 Well on Line 100 Oil: BOPD based on Bbls. In Hrs Grav GOR Gas: John McFPD; Test thru (Orifice or Meter): OriFice Mid-Test Shut-In Pressure Data Upper		24 hours	167	329	N	1A Well Sh.		TIN
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Sind and S	8/16/16	24 horrs	1/-		130 N/A		Lower the	n uffer, Jonathon
Production rate during test Oil:BOPD based onBbls. InHrsGravGOR Gas:MCFPD; Test thru (Orifice or Meter):Of Frag. Mid-Test Shut-In Pressure Data Upper Hour, Date, Shut-In	The state of the s	24 Hours	167	136	N/	A		2 /
Production rate during test Oil: BOPD based on Bbls. In Hrs Grav GOR Gas: MCFPD; Test thru (Orifice or Meter): Of Free Mid-Test Shut-In Pressure Data Upper Hour, Date, Shut-In Length of Time Shut-In SI Press. Psig Stabilized? (Yes or						OIL CO		NS. DIV DIST. 3
Oil:BOPD based onBbls. InHrsGravGOR	talka ki							
Gas: 37 MCFPD; Test thru (Orifice or Meter): Of Free Mid-Test Shut-In Pressure Data Upper Hour, Date, Shut-In Length of Time Shut-In SI Press. Psig Stabilized? (Yes or	Production rat	e during test					70	00 2 2 2010
Upper Hour, Date, Shut-In Length of Time Shut-In SI Press. Psig Stabilized? (Yes or	Oil:	BOPD based o	nBb	ls. In	Hrs		Grav.	GOR
Upper Hour, Date, Shut-In Length of Time Shut-In SI Press. Psig Stabilized? (Yes or	Gas:	37 MCFP	D; Test thru (Orif	fice or Meter): _	OriFi	u		
			M	id-Test Shut-In	Pressure Da	-		
The state of the s	Upper Completion	Hour, Date, Shut	-In					Stabilized? (Yes or No)
Lower Completion Hour, Date, Shut-In Length of Time Shut-In SI Press. Psig Stabilized? (Yes or Completion Completion Completion SI Press. Psig Stabilized? (Yes or Completion SI Press. Psig SI Press		Hour, Date, Shut			SI Press. Psig		Stabilized? (Yes or No)	

Flow Test No. 2

			Flow Test					
	t (hour, date)**		Zo	Zone producing (Upper or Lower):				
Time (Hour, Date)	Lapsed Time Since**	Pressure Upper Compl. Lower Comp		Prod. Zone Temp.	Remarks			
						a e a la Milliana di		
Production rate Oil:	during test BOPD base	d on(Ori	Bbls. In	Hrs	Grav	GOR		
Approved	il Conservation I	Division	ned is true and cor	Operator	Yto Ener	n n		
Ву	Brand	fell		Operator Vto Energy By Ken Durham Title So Prod Foreman E-mail Address Ken-durham @ Ktoenergy. Co				
Title UFP	DISTRI	GAS INSPEC	TOR	E-mail Address <u>Ken-durham @ Kto energy . C.</u> Date 8/16/16				

Northwest New Mexico Packer Leakage Test Instructions

- 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.
- 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 gauge shall be required on the oil zone only, with deadweight pressures as required above being taken on the gas zone.

8. The results of the above-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the Aztec District Office of the New Mexico Oil Conservation Division on Northwest New Mexico Packer Leakage Test Form Revised 11-16-98, with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).