This form is <u>not</u> to be used for reporting packer leakage tests

Lower

Completion

Hour, Date, Shut-In

NEW MEXICO OIL CONSERVATION DIVISION

Revised June 10, 2003

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST

Stabilized? (Yes or No)

Departor WPX ENERGY	in Southeast Ne	w Mexico	HORIHWESI	THE W INTERNE	COTACKER	LEARAGE TEST	XX7-11
Name of Reservoir or Pool Type of Prod. Method of Prod. Flow or Art. Lift) Casing	Operator WPX ENERGY		La	aca Nama Pass	Well		
Name of Reservoir or Pool (Oil or Gas) (Flow or Art. Lift) (Tbg. Or Csg.) Upper Completion Lower Completion Lower Completion Lower Completion Hour, Date, Shut-In Completion Lower Completion Lower Completion Lower Completion Lower Completion Hour, Date, Shut-In Lower Completion Lower Completion Lower Completion Lower Completion Lower Hour, Date, Shut-In Length of Time Shut-In SI Press. Psig Stabilized? (Yes or No. 1) Commenced at (hour, date)* Time (Hour, Date)* Lapsed Time Since* Upper Completion Lower Compl. Temp. Flow Test No. 1 Commenced at (hour, date)* 5-24-16 Pressure Prod. Cone Prod. Since* Upper Completion Lower Compl. Temp. Flow Test No. 1 Completion Since* Upper Completion Lower Compl. Temp. Flow Test No. 1 Completion Since* Upper Completion Lower Compl. Temp. From Test No. 1 Completion Pressure Prod. Zone Remarks Time (Hour, Date) Am 244 192 98 72 Flowers Lower Zone F-25-16 9:30 Am 48 193 96 70 Flowing Lower Zone S-20-16 9:30 Am 48 193 96 70 Flowing Lower Zone S-20-16 9:30 Am 48 193 96 70 Flowing Lower Zone S-20-16 9:30 Am 48 193 96 70 Flowing Lower Zone Oil. CONS. DIV DIST. 3 JUN 0 3 2016 Production rate during test Mid-Test Shut-In Pressure Data Upper Hour, Date, Shut-In Length of Time Shut-In SI Press. Psig Stabilized? (Yes or No. 10) of the Stabilized? (Yes or No. 10) of the Shut-In SI Press. Psig Stabilized? (Yes or No. 10) of the Stabilized? (Yes or No. 10) of the Shut-In SI Press. Psig Stabilized? (Yes or No. 10) of the Stabilized? (Yes or No. 10) of the Shut-In SI Press. Psig Stabilized? (Yes or No. 10) of the Stabilized? (Yes or No. 10) of the Shut-In SI Press. Psig Stabilized? (Yes or No. 10) of the Shut-In SI Press. Psig Stabilized? (Yes or No. 10) of the Shut-In SI Press. Psig Stabilized? (Yes or No. 10) of the Shut-In SI Press. Psig Stabilized? (Yes or No. 10) of the Shut-In SI Press. Psig Stabilized? (Yes or No. 10) of the Shut-In SI Press. Psig Stabilized? (Yes or No. 10) of the Shut-In SI Press. Psig Stabilized? (Yes or No. 10) of the Shut-In Si Press. Psig	Operator	WPA ENERG	I	Lea	ase Name _ Kosa	1 Omt	NO. 000 WIV/FC
Upper Completion Lower Completion Pre-Flow Shut-In Pressure Data Pre-Flow Shut-In Pressure Data Upper Completion Hour, Date, Shut-In Length of Time Shut-In SI Press. Psig Stabilized? (Yes or No. 1 Lapsed Time Since* Upper Completion Lower Completion Lapsed Time Lapsed Time Lapsed Time Lapsed Time Since* Upper Completion Lower Completion Lapsed Time Lapsed Time Lapsed Time Lapsed Time Since* Upper Completion Lower Completion Lower Completion Lapsed Time Since* Upper Completion Lower Completion Temp. Lapsed Time Since* Upper Completion Lower Completion Temp. Lower	Location Of V	Well: Unit Letter	<u>E</u> Sec <u>8</u> T	wp <u>31N</u> R	ge <u>06W</u> AP	I#30-0 <u>4525140</u>	
Upper Completion Picture Cliff Gas Flow or Art. Lift) (Tbg. Or Csg.) Lower Completion Mesa Verd Gas Flow Casing Pre-Flow Shut-In Pressure Data Upper Completion 1/120 Am 5-18-16 Length of Time Shut-In SI Press. Psig Stabilized? (Yes or No. 1 Commenced at (hour, Date, Shut-In Lapsed Time Chour, Date Size Completion 1/120 Am 5-18-16 Length of Time Shut-In SI Press. Psig Stabilized? (Yes or No. 1 Commenced at (hour, date)* 5-24-16 9-36 Am Zone producing (Upper or Lower): Lausea Time (Hour, Date) Size Upper Compl. Lower Compl. Temp. 9-36 Am 48 9-3 9-16 72 Flowing Lower Zone 9-36 Am 48 9-3 9-16 70 Flowing Lower Zone 9-37-16 9-36 Am 48 9-3 9-16 70 Flowing Lower Zone 9-37-16 9-36 Am 48 9-3 9-16 70 Flowing Lower Zone 9-38 Am 48 9-3 9-16 70 Flowing Lower Zone 9-39 Am 48 9-3 9-16 70 Flowing Lower Zone 9-39 Am 48 9-3 9-16 70 Flowing Lower Zone 9-30 Am 48 9-3 9-16 70 Flowing Lower Zone 9-30 Am 48 9-3 9-16 70 Flowing Lower Zone 9-30 Am 48 9-3 9-16 70 Flowing Lower Zone 9-30 Am 48 9-3 9-16 70 Flowing Lower Zone 9-30 Am 48 9-3 9-16 70 Flowing Lower Zone 9-30 Am 48 9-3 9-16 70 Flowing Lower Zone 9-30 Am 48 9-3 9-16 70 Flowing Lower Zone 9-30 Am 48 9-3 9-16 70 Flowing Lower Zone 9-30 Am 48 9-3 9-16 70 Flowing Lower Zone 9-30 Am 48 9-3 9-16 70 Flowing Lower Zone 9-30 Am 48 9-3 9-16 70 Flowing Lower Zone 9-30 Am 48 9-3 9-16 70 Flowing Lower Zone 9-30 Am 48 9-3 9-16 70 Flowing Lower Zone 9-30 Am 48 9-3 9-16 70 Flowing Lower Zone 9-30 Am 48 9-3 9-16 70 Flowing Lower Zone 9-30 Am 48 9-3 9-16 70 Flowing Lower Zone 9-30 Am 48 9-3 9-3 70 Flowing Lower Zone 9-30 Am 48 9-3 9-3 9-3 70 Flowing Lower Zone 9-30 Am 48 9-3 9-3 9-3		Name of Re	servoir or Pool	Type	e of Prod.	Method of Prod.	Prod. Medium
Completion Picture Cliff Gas Flow Casing						(Flow or Art. Lift	(Tbg. Or Csg.)
Pre-Flow Shut-In Pressure Data		Picture Cli	FE	0	las	F/ow	Casina
Pre-Flow Shut-In Pressure Data	Lower						,
Pre-Flow Shut-In Pressure Data	Completion	Mesa Verd		a d	as	I/ow	Tabing
Completion 1/520 Am 5-18-16 Codays 194 Yes				re-Flow Shut-	In Pressure Da	ata	, ,
Lower Completion Hour, Date, Shut-In Length of Time Shut-In SI Press. Psig 3llo Stabilized? (Yes or No. 1)	Upper	Hour, Date, Shu	t-In	Length of	Time Shut-In	SI Press. Psig	Stabilized? (Yes or No)
		1/220 Am	5-18-16	(0)	dase	194	Yes
Flow Test No. 1 Commenced at (hour, date)* 5-24-16 9:30 MCFPD; Test thru (Orifice or Meter): Ore Pressure Prod. Zone Remarks	Lower	Hour, Date, Shu	t-In	Length of	Time Shut-In	SI Press. Psig	Stabilized? (Yes or No)
Flow Test No. 1 Commenced at (hour, date)* 5-24-16 9:30 MCFPD; Test thru (Orifice or Meter): Ore Pressure Prod. Zone Remarks	Completion	11:20 Am	5-18-16	6	days	316	Yes
Commenced at (hour, date)* 5-24-16 - 9:30 Am Zone producing (Upper or Lower): Lower Fressure Prod. Zone Remarks		. ,			1	,	
Time Lapsed Time Since* Upper Compl. Lower Compl. Temp.	Commenced	at (hour, date)*	5-24-16- 9:		Zone producir	0 1 11	Lower
5-25-16 9:30 Am 24 192 98 72 Flowing Lower Zone 5-24-16 9:30 Am 48 193 96 70 Flowing lower Zone 5-27-16 9:30 72 193 101 71 Test Complete Oil CONS. DIV DIST. 3 JUN 0 3 2016 Production rate during test Dil: BOPD based on Bbls. In Hrs. Grav. GOR Gas: 80 MCFPD; Test thru (Orifice or Meter): Or Cice Maker Mid-Test Shut-In Pressure Data Upper Hour, Date, Shut-In Length of Time Shut-In SI Press. Psig Stabilized? (Yes or No.	Time	Lapsed Time			Prod. Z	Zone Remarks	
9:30 Am 24 192 98 72 Flowing Lower Zone 5-24-16 9:30 Am 48 193 96 70 Flowing lower Zone 5-27-16 9:30 72 193 101 71 Test Complete Oil. CONS. DIV DIST. 3 JUN 0 3 2016 Production rate during test Dil:BOPD based onBbls. InHrsGravGOR Gas:BDMCFPD; Test thru (Orifice or Meter): Or Give	(Hour, Date)	Since*	Upper Compl.	Lower Com	pl. Tem	p.	
Production rate during test Dil:BOPD based onBbls. InHrsGravGOR Gas:BOMCFPD; Test thru (Orifice or Meter):		24	192	98	72	Flowing	Lower Zone
Production rate during test Dil:BOPD based onBbls. InHrsGravGOR Gas:BOMCFPD; Test thru (Orifice or Meter):		48	193	96	70	Flowing	lower Zone
Production rate during test Dil:BOPD based onBbls. InHrsGravGOR Gas:BOMCFPD; Test thru (Orifice or Meter):		72	193	101	71	Test Con	aplete
Production rate during test Dil:BOPD based onBbls. InHrsGravGOR Gas:BDMCFPD; Test thru (Orifice or Meter):Price			1				
Oil:BOPD based onBbls. InHrsGravGOR							JUN 0 3 2016
Oil:BOPD based onBbls. InHrsGravGOR							
Oil:BOPD based onBbls. InHrsGravGOR	Production rat	e during test					
Gas: 80 MCFPD; Test thru (Orifice or Meter): Or Cie Meter Mid-Test Shut-In Pressure Data Upper Hour, Date, Shut-In Length of Time Shut-In SI Press. Psig Stabilized? (Yes or No.							
Upper Hour, Date, Shut-In Length of Time Shut-In SI Press. Psig Stabilized? (Yes or No.	Oil:	BOPD based of	onBl	ols. In	Hrs	Grav	GOR
Upper Hour, Date, Shut-In Length of Time Shut-In SI Press. Psig Stabilized? (Yes or No	Gas:	go MCFF	PD; Test thru (Ori	ifice or Meter):	Orfice M	refer	T
Upper Hour, Date, Shut-In Length of Time Shut-In SI Press. Psig Stabilized? (Yes or No			TM.	lid-Test Shut-	In Pressure Da	ta	
Completion	Upper Completion						Stabilized? (Yes or No)

(Continue on reverse side)

Length of Time Shut-In

SI Press. Psig

Commenced a	at (hour, date)**		Flow Test N		pper or Lower):	
Time (Hour, Date)	Lapsed Time Since**	The state of the s	essure Lower Compl.	Prod. Zone Temp.	Remarks	
(11011)	Since	оррег сощри	Zower compr.	Tomp.		
			i.			
				Q:		
roduction rate	during test BOPD base	d on	Bbls. In	Hrs	Grav	ĠÖR
Gas: Remarks:	MCFP	D; Test thru (Ori	fice or Meter):	- 197		
hereby certify	that the informa	tion harain contai	ned is true and com	plate to the best	of my knowledge	
approved	9 JUNE		20 <u></u>	Operator		
	il Conservation I			By Mike	Miller / M	Dike Miller
y John	n Hura	M GAS INSPEC		Title Lease	Operator Il	
itle OF			TOR	E-mail Addr	ess Michaeler	Tiller Dap & Energy . Co.
	DISTRI			Date	5-27-16	

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 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).