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

## **Oil Conservation Division**

## Northwest New Mexico Packer-Leakage Test

Page 1 Revised June 10, 2003

Operator COP				****	_ Lease	Name SAN	JUAN 28	8-7 UN	IIT	-	Well No. 178
Location of Wel	l: Unit Le	etter	Р	Sec _	31	Twp 028N	I Ro	ge	007W	API	# 30-039-20795
	Name of Reservoir or Pool				Type of Prod			Method of Prod			Prod Medium
Upper Completion	СН				Gas			Flow			Tubing
Lower Completion	PC				Gas			Flow			Tubing
		***		Pre	-Flow S	hut-In Press	ure Data	I			
Upper Completion	Hour, Date, Shut-In 6/28/2012				Length of Time Shut-In 802 hours			SI Press. PSIG 440			Stabilized?(Yes or No) Yes
Lower Completion	Hour, Date, Shut-In 6/28/2012				Length of Time Shut-In 874 hours			SI Press PSIG		218	Stabilized?(Yes or No) Yes
		<u> </u>				w Test No. 1		<del></del>			
Commenced a	t: /31/2	012 10:3	30:00 AM				oducing	(Uppe	r or Lowe	r): UPI	PER
Time (date/time)		Lapsed Time Since* Up		Upp	PRES er zone	SURE Lower zone	Prod Zone Temperature			Remarks	
7/31/2012 10 30:00 AM			0		440	218	84	84			
8/1/2012 10·30·00 AM			24		105	218	84	84			
8/2/2012 10:30:00 AM			48		96	218	84	84 1			***
8/3/2012 10 30:00 AM 72			72	94		218	84				
Production rate	during te	st									
Oil:	BPOD Based on:Bbl				s. InHrs			Grav.			GOR
Gas		MCF	PD; Test	thru (Ori	fice or M	leter)					
				Mia	i_Teet S	hut-in Press	ure Data	•			
Upper Completion	Hour, Date, Shut-In				I-Test Shut-In Pressure Dat Length of Time Shut-In			SI Press PSIG			Stabilized?(Yes or No)
Lower Completion	Hour, Date, Shut-In				Length of Time Shut-In			SI Press. PSIG			Stabilized?(Yes or No)

(Continue on reverse side)

Ca

RCVD AUG 7'12 OIL CONS. DIV. DIST. 3

## Flow Test No. 2

Commenced at:			Zone Producing (Upper or Lower)							
Time	Lapsed Time	PRES	SURE	Prod Zone		Remarks				
(date/time)	Since*	Upper zone	Lower zone	Temperature						
Production rate during	ı test									
Oil:BPOD Based on:Bbls. In _			Hrs.		Grav.	GOR				
Gas	MCFPD; Test the	ru (Orifice or M	eter)		· · · · · · · · · · · · · · · · · · ·					
Remarks:										
I hereby certify that th	e information herein co	ontained is true	and complete	to the best of	my knowledge.					
A	9/18	20 /ス	0	000						
Approved:	_	Operator: COP								
New Mexico Oil Co	By: _	By: Robert Chavez								
By: 13/1/2	(Sell)		Title:	Title: Multi-Skilled Operator						
Deputy Oi	I & Gas Inspector	,	_							
	istrict #3	-	_ Date: _	Date: Monday, August 06, 2012						

## NORTHWEST NEWMEXICO 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
- 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 the case of a gas well and for 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 lack of a pipeline connection the flow period shall be three hours

- 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 hours 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 conclusion of each flow period 7-day tests 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

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 10-01-78 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only)

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