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

Completion

NEW MEXICO OIL CONSERVATION DIVISION

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in Southeast New	Mexico I	NORTHWEST N	VEW MEXICO	PACKER LI	EAKAGE TEST	Revised June 10, 2003	
Operator Four STAR oil gcs			Lease Name TicavillA			Well No. <u>C-13</u>	
Location Of We	ell: Unit Letter	Sec	33 Twp 29	<u>S</u> Rge <u>S</u>	API#30-0 <u>3</u> Ω	7-18214	
	Name of Rese	rvoir or Pool	Type of (Oil or		Method of Prod. (Flow or Art. Lift)	Prod. Medium (Tbg. Or Csg.)	
Upper Completion {	Upper Completion Pictured Cliffs Lower		gas		flow	CSG	
Lower Completion	Lower Ompletion CMACre		gas		Glow		
•		Pre	e-Flow Shut-In	Pressure Dat	a		
Completion	Hour, Date, Shut-	In 9-2-14	Length of Tin	Length of Time Shut-In SI Press. Psig 25 μ R 169		Stabilized? (Yes or No)	
Lower Completion	Hour, Date, Shut-	-In 7-2-14	Length of Time Shut-In 2S HR		SI Press. Psig	Stabilized? (Yes or No)	
Common as do	4 (1 1-4-)*	00	Flow Test				
	nt (hour, date)* /				g (Upper or Lower):	love	
Tune (Hour, Date)			ssure Prod. Z Lower Compl. Temp				
12 20 9-3-1	20 min	164	3psI		UpperLost Blown To 3	SPST TILL LOWS-	
					Building Ball	psI THAN STANTOL K UP BUILT Spot Back TO OVIGEN Pressu	
					lower Blea	w down to 3 psZ	
					in APProxi	in Approx Smin	
						RCVD SEP 19'14	
			1			OIL CONS. DIV.	
Production rate	e during test					DIST. 3	
Oil:	BOPD based o	onBb	ls. In	Hrs	Grav	GOR	
Gas:	MCFF	PD; Test thru (Ori	fice or Meter): 1	10 meter	- Installed, B	lown TO ATMONNE	
		M	lid-Test Shut-In	Pressure Da	ita		
Upper Completion	Hour, Date, Shut-In		Length of Time Shut-In		SI Press. Psig	Stabilized? (Yes or No)	
Lower	Hour, Date, Shut-In		Length of Time Shut-In		SI Press. Psig	Stabilized? (Yes or No)	

(Continue on reverse side)

Flow Test No. 3

Commonand at (hours data)**								
				ne producing (Upper or Lower):				
Time	Lapsed Time	<u>Pressure</u>		Prod. Zone	Zone Remarks			
(Hour, Date)	Since**	Upper Compl.	Lower Compl.	Temp.				
				· ·				
	,							
,								
Production rate								
Oil:	BOPD base	d on	Bbls. In	Hrs	Grav GOR			
Gas:	MCFI	D; Test thru (Or	ifice or Meter):					
Remarks:		• •!	· 					
		1						
I hereby certify that the information herein contained is true and complete to the best of my knowledge.								
Approved	• • • • •	4/	0	Orange CHOUSE				
Mon Monico C	Dil Conservation		Operator <u>C</u>	Operator Ct (2010-2				
New Mexico C	in Conservation	Division	D. Qui	By Bandy Calcate				
•		101		ву_ <u>сти</u>	By trunky Callot			
Ву	75			Title CC.	Operator <u>Ctleuron</u> By <u>Randy Calcote</u> Title <u>Calder service</u>			
<i>Dy</i>	100			Thic <u>Ca</u>	ther sorotor			
Title DE	DHTV nlin	CAC INODE	F-mail Add	E-mail Address Randy - cocaldorser				
<u> U.F.</u>		GAS INSPE	- man 100	Date 9-3-14				
	DISTR	1 C T # 3	Date 9					

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 (a 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).