STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

Page 1 Revised 10/01/78

This form is not to be used for reporting

in Southeast New Mexico NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST							
Operator On		Less Cor WP. 25N	₩. Lease ﴾	apacl 5W	Coun	Well 9 No. Arriba	
NAME OF RESERVOIR OR POOL			TYPE OF PR		METHOD OF PROD. (Flow or Art. Lift)	. PROD, MEDIUM (Tbg. or Cag.)	
Upper Completion			ril	oil flow c			
Lower Completion	Lower			gas flow the			
	CAUCUC	PRE-FLC	W SHOT-IN PR	ESSURE DAT	A	<u> </u>	
Hour, date s	hut-in	Length of time shu	t-in	SI press. psig	12	Stabilized? (Yes or No)	
Completion Hour, date s	-13-99 hul-in -13-89	Length of time shu	arys i	SI press. psig	125	Stabilized? (Yes or No)	
Completion 70	-12 PI	1 de Cl	FLOW TEST I	NO 1			
Conimenced at (hour, dat	tei*		FLOW 1EST I		(Upper or Lower):		
TIME (hour, date)	LAPSED TIME SINCE*	PRES Upper Completion	SURE Lower Completion	PROD. ZONE TEMP.		REMARKS	
8-14	24	450	400				
0-15	48	480	420				
8-16	77	510	425				
0-17	910	510	79		oper	Nakota	
8-18_	120	512	79				
Production rate of			DLIe is	Ho	ours.	Grav GOR	
Oil:	BOP						
Gas:		<u>57</u> мсі	FPD; Tested thru	(Orifice or M	eter):		
			EST SHUT-IN P		ΓΑ	Stabilized? (Yes or No)	
Hour, date shut-in Length of time shut Upper Completion		nut-In	SI press. psig		Stabilized? (Yes or No)		
Hour, date shul-in		Length of time si	hul-in	19 (2) (4)			
Completion					85	ESELAEU	

FLOW TEST NO. 2

Commenced at (hour, date) **				Zone producing (Upper or Lower):			
TIME	LAPSED TIME		SSURE	PROD. ZONE	REMARK\$		
(hour, date)	SINCE **	Upper Completion	Lower Completion	<u> </u>	n upt je nej neu j n jap net sjenej ne		
	·						
	-						
Production rate of	during test	<u> </u>					
Oil:	ВОР	D based on	Bbls. in	Hours	Grav GOR		
Gas:		мс	PD: Tested thru	(Orifice or Meter	r):		
	•			\wedge	st of my knowledge.		
Approved New Mexico C	Oil Conservation I	Division	19 (Operator	merada thess		
•	Justes St	01/2		By <u>A. W</u> Title PLOZ	. Holmes Luction Joreman		
Title			I	Date 8-2	9-89		

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 sone 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 packet leakage test, a gas well is being flowed to the aumosphere due to the lack of a pipeline connection the flow period shall be three hours.
- 3. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 showe.
- 6. Three Test'No. 2 shall be conducted even though no leak was indicated during Flow Ten No. 1. Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 4 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 therked at least twice, once at the beginning and once at the end of each test, with a deadweight pressure gauge. If a well is 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 Attee District Office of the New Mexico Oil Conservation Division on Northwest New Mexico Packet 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 foil zones only).

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	in Southeast New Mexico NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST								
Operator Location of Well:	P	reradad seclle_s	Less Cor	₩. Lease €	apa 5	che W		Well 9 No. 9 Ric arriba	
or wen.	NAME OF RESERVOIR OR POOL			TYPE OF PR		METHOD OF PROD. PROD. MEDI (Flow or Art. LHI) (Tbg. or Ca			
Upper Compission	Dollyo			oil	How cog			Cog.	
Lower Completion	Dakota			gas	gas flow the				
PRE-FLOW SHOT-IN PRESSURE DATA									
Upper Cemplation	Hour, date sh	13-89	Length of time shut	days	Si press. psig Si press. psig	512	,	Ized? (Yes or No)	
Lower Completion	Hour, dale at	-13-89	Length of time shul	ars:	of braser hera	425	S	no	
				FLOW TEST I	NO. 1				
Conmenced	al (hour, deli	•)*			Zone producing (Upper or Lower):				
	ME i	LAPSED TIME SINCE*	PRESS Upper Completion	Lower Completion	PROD. ZO TEMP.		REMARKS		
B-	14	24	450	400					
8-	15	48	480	420					
8-	16	72	510	425				<u> </u>	
8-	-17	96_	510	79			pen	Nakota	
8	18_	120_	512	_79			·		
Producti	Production rate during test								
Oil: BOPD based on Bbls. in Hours Grav GOR									
Gas: 57 MCFPD; Tested thru (Orifice or Meter):									
MID-TEST SHUT-IN PRESSURE DATA									
Upper Hour, date shut-in Length of time shut-i					SI press, paig Stabilized? (Yes or No)				
Completion Hour, date shul-in Length of time shul-in Completion			vi-in	Si press. psig		Sieb	Hized? (Yes or No)		

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This form is not to be used for reporting packer leakage leats

In Southeast New Mexico NORTHWEST NEW MEXICO PACKER-LEARAGE 1251									
Operator amendades s Corp. Lesse J. apache "F" Well 9 Location of Well: Unit P Sec. 16 Twp. 25N Rge. 5W County Rio arriba									
-	<u> </u>	NAME OF RESERVO		TYPE OF PR (Off or Gal), PROD. MEDIUM (Tog. or Cog.)		
Upper Completion	Du	llup		oil		How	Cog:		
Lower Completion	1 1. \ 1 # 4			Jas	gas flow they.				
PRE-FLOW SHUT-IN PRESSURE DATA									
Upper Completion 6-13-99 Capp Stabilized? (Yes or No) Lower Hour, date shul-in Length of time shul-in Si press, psig Stabilized? (Yes or No) Lower Hour, date shul-in Si press, psig Stabilized? (Yes or No) Lower Hour, date shul-in Si press, psig Stabilized? (Yes or No)						no			
Completion		10 1)		FIDAY TEST !	····				
	at (hour, date			FLOW TEST I		ng (Upper or Lower):			
TIN (hour,	AE I	LAPSED TIME SINGE#	PRES: Upper Completion	PRESSURE Upper Completion Lewer Completion		E	REMARKS		
8-	14	24	450	400					
8-	15	48	480	420		<u> </u>			
_8-	16	72	510	425					
&-	17	96	510	79		oper	· Nakota		
8-	18_	120	512	79					
Production rate during test									
Oil: BOPD based on Bbls. in Hours Grav GOR									
Gas: MCFPD; Tested thru (Orifice or Meter):									
MID-TEST SHUT-IN PRESSURE DATA									
Upper	Hour, date s	hut-in	Length of time sho	vi-in	Si press, paig		Stabilized? (Yes or No)		
Completion Hour, date shul-in Length of time shul-in Completion				vi-in	SI press. psig		Stabilized? (Yes or No)		
						_			