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 packer leakage tests in Southeast New Mexico

1992

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operate		SNYDER OIL	_ CORF	PORATI	<u>ON</u>	Lease	J	ACQUE	ΞZ	W	cell 2	
Locatio of Well	n l: Unit	it <u>K</u> Sec. 2 T		wp31		Rge13		County San			an Juan	
		NAME OF RESERV	OIR OR POC	DL .		TYPE OF P (Oll or G	,		METHOD OF PRO		PROD. MEDIUM (Tbg. or Cag.)	************
Upper Completion MESA VERDE ((NON)	(NON-PROD)								
Lower Completion DAKOTA					GAS		FLOW			TBG		
				PRE-FI	.OW SH	UT-IN P	RESSURE	DATA	·····			
Upper Completion NA			Leng	th of time st	nut-In A	SI press, paig 870				Stabilized? (Yes or No) Y C S		
Lower Completion	Lower Completion 8-29		Leng	th of time st	ays		SI press, psig 655			Stabilized? (Yes or No)		
					FLOV	W TEST I	NO. 1	· · · · · · · · · · · · · · · · · · ·				l
Commence	ed at (hour, d	ate)* 9-1	· · · · · · · · · · · · · · · · · · ·					ucing (Upp	per or Lower):		Lower	\neg
TIME (hour, date)		LAPSED TIME SINCE*	PRESSURE Upper Completion Lov			omplation	PROD. ZONE TEMP.		REMARKS			
8-	- 30		csg 870	TBG 870	630 ^{TE}	3G			Both 2	Zones	Shut In	
8-	-31		870	870	642				11	11	11	
9-	-1		870	870	655				Ŧ1	11	11	
9-	-2	l Day	870	870	140				Lower	Zone	Flowing	-
9-	-3	2 Days	870	870	120				11	11	11	
roducti	on rate d	luring test										
Dil:		ВОРГ	D based o	on	······································	Bbls. in		Hours.	(Grav	GOR	
3as:										leter		
								,				
Upper Hour, date shut-in			Length	of time shu		·	PRESSURE DATA St press, psig			Stabilized? (Yos or No)		\neg
Lower ompletion		Length	Length of time shut-in			SI press, psig			Stabilized? (Yes or No)		-	
		<u> </u>							·		:	

FLOW TEST NO. 2

Zone producing /Upper or Lowers

7145		PRES		1	······································			
TIME (hour, date)	LAPSED TIME SINCE **	Upper Completion	Lower Completion	PROD. ZONE TEMP.	REMA	AKS		
<u> </u>								
<u> </u>	<u> </u>	<u> </u>	<u> </u>	1				
Production rate d	luring test							
Oil·	ВОР	D based on	Bhle i	n Hours	Grav	GOR		
Gas:		MCF	PD: Tested thru	(Orifice or Mete	r):			
Remarks								
						···		
L hereby certify th	nat the informati	on herein contain	ad is true and a	amplete to the he	st of my knowledge.			
	_							
Approved SEP 18 1992 19 Operator SNYDER, QIL CORPORATION								
New Mexico O	il Conservation I	Division		" Wast	Pillet -			
				By May	CAMELLE			
By Original Signed Ly GREATER CLOSELY Title Engineering Technician								
mi nebitty	ON SEATING	(108, CIST. # ²		_	ptember 9, 199	2		
Title DEPUTY	UIL C. C.			Date <u>Se</u>				

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 creatment, 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.

Commenced at (hour, date) **

- 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 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 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. Presedure for Flow Test No. 2 is to be the same 2s 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.

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 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).