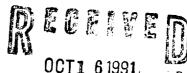
## STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

## OIL CONSERVATION DIVISION



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

1991

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST DIST.

						DIST. 3					
Operator SNYDER OIL CORPORATION			Lesse	ARNST	FTN		Well				
Location of Well:	ı Unit	C Sec. 18	Twp	31N	Rgc.		CIIV	· Co	No.	<u>1E</u> 1 711AN	
NAME OF RESERVOIR OR POOL				TYPE O	TYPE OF PROD.		METHOD OF PROD.		PROD. MEDIUM		
Upper				(OII o	(Oll or Gas)		(Flow or Art, Lift)		(Tbg. or Cag.)		
Completion Lower	MESA VERDE (N/P)			GA.	GAS		FLOW		TBG		
Completion DAKOTA						GAS		FLOW		TBG	
PRE-FLOW SHUT-IN PRESSURE DATA											
Upper Completion	1	lour, date shut-in			ut-in	SI press. psig			Stabilized? (Yes or No)		
Lower			3 Days th of time shut-in		SI press, psig			yes			
Completion	9-20-91			3 Davs	<u> </u>	920			Stabilized? (Yes or No.)		
					FLOW TEST	'NO 1		······································	<u> </u>		
FLOW TEST NO. 1  Commenced at (hour, date)* 9-23-91  Zone producing (Upper ex Lower):   OMP Y											
TIM (hour d	. ,	LAPSED TIME		PRES	<del></del>	PROD. Z		20000,	Lower		
(hour, date)		SINCE*	CSG	TBG	TBG	TEMP	· <u> </u>	REMARKS			
9-21			560	560	920			Both Zi	nnes Sh	uit In	
9-22			560	560	920			H 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
9-2	23		560	560	920			11	II.	ff	
<del></del>		l hr.	560	560	0-			Lower	Zone		
		2 hr.	560	560	-0-			11	. 11		
<del></del> ,			<del></del>					DK logg to -0- p	ed off si in	. Blew dn ll min.	
roduction rate during test  Did not unload any water									d any water.		
oil:BOPD based onBbls. inHoursGravGOR											
MCFFD; Tested thru (Orifice or Meter):											
MID-TEST SHUT-IN PRESSURE DATA											
Upper proof, date shut-in I			Length	of time shut-	SI press, psig			Stabilized? (Yes or No)			
Lower Hour, date shul-in mpletion			Length	Length of time shut-in			SI press, paig			Stabilized? (Yes or No)	
								ŀ		1	

REMARKS

FLOW TEST NO. 2

**Lower Completion** 

PRESSURE

Upper Completion

Zone producing (Upper or Lower):

PROD. ZONE

TEMP.

Production rate during test							
Oil:BOPD based onBbls. inHoursGrav							
Gas: MCFPD: Tested	thru (Orifice or Meter):						
Remarks:							
I hereby certify that the information herein contained is true ar							
Approved	Operator SNYDER OIL CORPORATION						
New Mexico Oil Conservation Division	By Kay & Cakateer						
ByOriginal Signed by CHARLES GHOUSON	Title PRODUCTION & DRILLING TECH.						
DEPUTY OIL & GAS INSPECTOR, DIST. #3	Date October 9, 1991						

## 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.

Commenced at (hour, date) \*\*

LAPSED TIME

SINCE \*\*

TIME

(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

- 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).