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STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

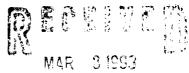
OIL CONSERVATION DIVISION

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

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator _	SOUTHERN	UNION EXP.	CO. Lease	JICARILLA	<u> </u>	Vell No. 22Y	
Location of Well: Uni	t <u>K</u> Sec	24 Twp26	N Rge.	. 4W	County _	RIO ARRIBA	
	NAME OF RE	BERVOIR OR FOOL	TYPE OF I		METHOD OF PROD. (Flow or Art. Lift)	PHDD. MEDIUM (fbg. 6r Csq.)	
Upper Completion BLANCO MESA VERDE			GAS		FLOW	TUBING	
Completion BASIN DAKOTA			GAS	GAS		TUBING	
		PRE-	FLOW SHUT-IN P	RESSURE DATA			
Upper Completion	date shul-in 03/29/92	Length of time	DAYS	Bi press, paig		Stabilized? (Yes or No) NO	
Lower ompletion 03/29/92		Length of time	ehut-in DAYS	SI press, psig		Stabilized? (Yes or No) NO	
			FLOW TEST	<u>N</u> O. 1			
onimenced at (ho	ur, date) *			Zone producing (U.	r wigwerk		
TIME (hour, date)	LAPSED TIM SINCE*	Upper Completion	RESSURE Lower Completion	PROD. ZONE TEMP,		IEMARKS	
03/30/	92 24	430	720	0		, A.	
03/31/	92 24	500	840	0			
04/01/	92 24	520	880	0	LOWER ZO	NE ON ,	
04/02/	92 24	530	515	0	, K	•	
04/03/	92 24	545	482	0	TEST COMPLETE		
1 1	0	0	0	0			
0	te during test		0	0		56.50 0	
oil:		OPD based	bots, in	Hours.	METER	GOR	
25:		M(CFPD; Tested thru	(Orifice or Meter)	:		
THOU	Interest la	MID-	TEST SHUT-IN PR		[Clabillan	42 Was as Na	
Upper ompletion				SI press, paig		Stabilized? (Yes or No)	
Lower Hour, o	Hour, date shut-in		shul-in	Si press, psiç	Stabilized	17 (Yes or No)	



FLOW TEST NO. 2

nmanced at fhour, da	1(0) 本本	A	Zona protocing (Upgat or Lower):		
TIME	LAPSED TIME BINCE **	PRESBURE		PROD. ZOWE	
(hour, date)		Upper Completion	Lower Completion	TEMP.	ñéMAñks
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					Grav GOR
narks:				. [9	
provedM	AR 3 199 Conservation Di	n herein containe)3 vision	d is true and com	perator <u>Sou</u>	of my knowledge. Then Union Explore Stable
Original Sig	aned by CHARLES	GHOLSO₩		_	20.
DEPUTY OF	L & GAS INSPECT	CK, DIST. #3	D2	te <u>12-10</u>	792

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.

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- 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.
- 3. 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 hours tests: immediately prior to the beginning of each flow-period, at fifteen-minute intervals during the first hour thereof, and at hously 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 13 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).