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

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

perator L.P				Largo Fed		Well No. 3 (CM) y Rio Arriba	
Well: Unit A	Scc. 14	Twp	Rgc. 8	ROD. ME	THOD OF PROD.	PROD. MEDIUM (Tbg. or Ceg.)	
Upper Cha	pper		Gas	Gas F		TBG	
lower	WW Mara Vando		Gas	Gas F1		TBG	
		PRE-FLO	OW SHUT-IN P	RESSURE DATA			
Hour, date shut-in Length of time shut-in			t-in	SI press. pelg 170		Stabilized? (Yes or No) yes	
Lower mpletion 05/09/91 4 Day Lower mpletion 05/09/91 4 Day 4 Day		l-in	Si press. pelg 280		Stabilized? (Yes or No) yes		
			FLOW TEST		_		
nimenced at (hour, date	LAPSED TIME	PRES		Zone producing (Upp PROD. ZONE TEMP.	et or Fower):	Lower	
(hour, dete)	SINCE*	Upper Completion	Lower Completion	IEMF.	Poth 7	ones Shut in	
05/10/91 05/11/91	1 Day 2 Day	160 170	275 280			ones Shut in	
05/13/91	4 Day	170	280		Both Zones Shut in		
05/14/91	l Day	170	240		Lower Zone Producing		
05/15/91	2 Day	168	210		Lower Zone Producing		
05/16/91	3 Day	168	210		Lower Zone Producing		
roduction rate di	uring test						
oil: BOPD based on		Bbls. i	in Hours.	G	rav GOR		
_	45	мс	PD; Tested thr	u (Orifice or Meter):		
Gas:			EST SHUT-IN I	PRESSURE DATA			
jas:		MID-1					
Unper Hour, date 8	hut-in	Length of time sh		SI press. psig		Stabilized? (Yes or No)	

(Continue on reverse side)

OIL CON. DIV

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FLOW TEST NO. 2

Commenced at (hour, dat	1 0)	www.co. programmer.		Zone producing (Upper or Lower):		
TIME (hour, date)	LAPSED TIME SINCE * *	PRES Upper Completion	Lower Completion	PROD. ZONE TEMP.	REMARKS	
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			İ		1	

Production rate du	iring test					
Oil:	ВОРІ	D based on	Bbls. in	Hours.	Grav GOR	
Gas:		MCFI	PD: Tested thru (Orifice or Meter):	
n .						
hereby certify tha	it the informatio	n herein containe	d is true and con	nplete to the hes	t of my knowledge.	
Approved	AHI III	191			P. Moore	
New Mexico Oil	Conservation D	ivision	_		- harff	
Зу	6 0	theta-			per	
TitleDEP(LAY OIL & GAS IN	SPECTOR, DIST. #	2	,	7-91	
		<i>"</i>	Da	c		

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 shur in for pressure stabilization. Both zones shall remain shur-in until the well-head pressure in each has stabilized, provided however, that they need not remain shur-in more than seven days.
- 4. For Flow Test No. 1, one zone of the dual completion shall be produced at the normal tate of production while the other zone termains 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, as 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 it a gat-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).

STATE OF HELV MEXICO SHERGY and MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

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FLOW TEST NO. 2

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Oil:	ВОР	D based on	Bbls. i	n Hour	s. Grav. GOR		
Ga:		MCF	PD: Tested thin	(Orifice or Mete	i):		
Remarks:	- No. 779 www. Mark No Associate control and produced control	managama iro pair kaledain iro damilikada Pama ke — Virin Virin ay Agliakaa saa					
				Company of the Compan			
I hereby certify the	at the informati	on herein contain	ed is true and c	omplete to the b	est of my knowledge.		
Approved DEC 2 9 1989 19			19	Operator	L.P. Moore		
New Mexico Oil Conservation Division				ду/	Desil L. Walter		
Original Signed by CHARLES CAULLON				Title/	Dursper		
Tide DEPUTY OIL & GAS INSPECTOR, DIST. #3				Date	23-20-89		

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