NEW MEXICO 'L CONSERVATION COMMISSION

4-1-56

PACKER LEAKAGE TEST

PACKER LEAK	AGE IEGI		to the state	
Operator Magnolia Petroleum Company Pool	1 (Upper Camp)	etion)	Volfcamp	
Lease New Mexico "S" Well 1 Pool	1 (Lower Compl	etion) -	Devonien	
Location: Unit_B_, S. 2 , T_16, R_32,	Lea		Til 4 - ClCoun	tv. N. M.
				,
Pre-Test				
	Upper Com	pletion	Lower Complet	icn
Shut-in at (hour, date)	·····	P.M.	1.15 P.M	<u> </u>
Pressure stabilized at (hour, date)	10:00	P.M	9:00 P.M.	<u> </u>
Length of time required to stabilize (hours).	••••• <u>8:45</u>			
Flow Test	<u>No. 1</u>			
Test commenced at (hour, date) 7:50 A.M. 8-	12-58		Choke size an	/6).0
Completion producing Wlf. Upper Complet:	ion shut-in	· Det		/04
	Upper Complet	ion	Lower Complet	ion
Stabilized pressure at beginning of test	1 255	psi	635	
Maximum pressure during test	. 1080	psi	635	psi
Minimum pressure during test	•8h0	ssi	615	psi
Pressure at end of test	1050	psi	615	psi
Maximum pressure change during test	·		20	•
Oil flow rate during test: <u>176</u> BOPD based	on <u>18.8</u>	_B0 in _	6:40	
Gas flow rate during test: <u>326.</u> MCFPD based	d on <u>81.6</u>	_MCF in_	6	hours.
<u>Mid-Test</u>	Shut-In			
Shut-in at (hour, date) Pressure stabilized at (hour, date) Length of time required to stabilize (hours).	DADAD D M	9 7 9 7 6	0.00 0.10	11-58 11-58
Flow Test	No. 2			
Test commenced at (hour, date) 6100 8-13-58			Choke size 30/	41. n
Completion producing Dev. Lower Completion	etion shut-in	Wif. Ur		QU "
	Upper Complet		Lower Completi	
Stabilized pressure at beginning of test			DOMET OCHUTEOT	
Southing of testine at beginning of test		psi		
Maximum pressure during test	. 1270	psi	<u>600</u> 200	nsi
Maximum pressure during test Minimum pressure during test	. <u>1270</u> . <u>1270</u>	psi psi	600	psi psi
Maximum pressure during test Minimum pressure during test Pressure at end of test	. <u>1270</u> . <u>1270</u> . <u>1270</u>	psi psi psi	<u> </u>	psi psi psi psi
Maximum pressure during test Minimum pressure during test Pressure at end of test Maximum pressure change during test	. <u>1270</u> . <u>1270</u> . <u>1270</u> . <u>0</u>	psi psi psi psi	600 200 20 20 20 580	rsi osi psi osi psi
Maximum pressure during test Minimum pressure during test Pressure at end of test Maximum pressure change during test Oil flow rate during test: <u>158.4</u> BOPD based	. <u>1270</u> . <u>1270</u> . <u>1270</u> . <u>0</u> on <u>35.2</u>	psi psi psi psi B0 in	<u> </u>	_rsi _osi _psi _osi _psi _hours.
Maximum pressure during test Minimum pressure during test Pressure at end of test Maximum pressure change during test	. <u>1270</u> . <u>1270</u> . <u>1270</u> . <u>0</u> on <u>35.2</u>	psi psi psi psi	600 200 20 20 20 580	rsi osi psi osi psi
Maximum pressure during test Minimum pressure during test Pressure at end of test Maximum pressure change during test Oil flow rate during test: <u>158.4</u> BOPD based	. <u>1270</u> . <u>1270</u> . <u>1270</u> . <u>0</u> on <u>35.2</u> d on <u>11.7</u>	psi psi psi psi BO in MCF in	600 200 20 20 20 20 20 580 580 5120 3	_rsi _osi _psi _osi _psi _hours.
Maximum pressure during test Minimum pressure during test Pressure at end of test Maximum pressure change during test Oil flow rate during test: <u>158.4</u> BOPD based Gas flow rate during test: <u>93.6</u> MCFPD based	. 1270 . 1270 . 1270 . 0 on 35.2 d on 11.7 	psi psi psi psi _BO in _MCF in Petroleu	600 200 20 20 580 5120 3 m Engineer	rsi psi psi psi hours. hours.
Maximum pressure during test Minimum pressure during test Pressure at end of test Maximum pressure change during test Oil flow rate during test: <u>158.k</u> BOPD based Gas flow rate during test: <u>93.6</u> MCFPD based Test performed by <u>R. L. Flowers, Jr.</u>	. <u>1270</u> . <u>1270</u> . <u>1270</u> . <u>0</u> on <u>35.2</u> d on <u>11.7</u> 	psi psi psi _BO in _MCF in Petroleu	600 200 20 20 580 5120 3 m Engineer	rsi psi psi psi hours. hours.
Maximum pressure during test Minimum pressure during test Pressure at end of test Maximum pressure change during test Oil flow rate during test: <u>158.4</u> BOPD based Gas flow rate during test: <u>93.6</u> MCFPD based Test performed by <u>R. I. Flowers, Jr.</u> Witnessed by	. <u>1270</u> . <u>1270</u> . <u>1270</u> . <u>0</u> on <u>35.2</u> d on <u>11.7</u> 	psi psi psi _BO in _MCF in Petroleu	600 200 20 20 580 5120 3 m Engineer	rsi psi psi psi hours. hours.
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Maximum pressure during test Minimum pressure during test Pressure at end of test Maximum pressure change during test Oil flow rate during test: <u>158.4</u> BOPD based Gas flow rate during test: <u>93.6</u> MCFPD based Test performed by <u>R. I. Flowers, Jr.</u> Witnessed by	• <u>1270</u> • <u>1270</u> • <u>0</u> • <u>0</u> • <u>0</u> • <u>0</u> • <u>0</u> • <u>0</u> • <u>0</u> • <u>0</u> • <u>0</u> • <u>1270</u> • <u>0</u> • <u>0</u> • <u>0</u> • <u>0</u> • <u>0</u> • <u>1270</u> • <u>0</u> • <u>0</u> • <u>0</u> • <u>0</u> • <u>0</u> • <u>0</u> • <u>0</u> • <u>0</u> • <u>0</u> • <u>11.7</u> •	psi _psi _psi _BO in _MCF in_ Petroleu	600 200 20 20 580 5120 3 m Engineer	rsi psi psi psi hours. hours.

I HEREBY CERTIFY that all conditions prescribed by Oil Conservation Commission of the State of New Mexico for this packer leakage test were complied with and carried out in full, and that all dates and facts set forth in this form and all attached material are true and correct.

(Representative of Company Making Test)	rMAGNOLIA_PETROLEHM_COMPANY (Company Making Test)
SWORN TO AND SUBSCRIBED before me this the <u>S</u> Ky Commission Expires <u>Alen 10 1900</u>	
	Notary Public in and for the County of the State of the The tree.

INSTRUCTIONS SOUTE HAST (IEW MEXICO ONLY)

- 1. At least 24 hours prior to the commencement of this test, the operator shall notify the District Office of the Coll Conservation Commission in willing of the exact time said test is to be commenced.
- 2. The packer leakage test shall commence with both sides of the completion shut-in. Both sides of the completion must be shut-in a sufficient 1: gth of time to allow for complete stabilization of both wellhead pressures, and for : minimum of 2 hours thereafter- this minimum of 2 hours shut-in must show on the chaits of the pressure recorder and also must appear on the data sheet.
- 3. For Flow Test No. 1, one side of the dual completion shall be produced with the other side shut-in. Such test shall be continued until the flow: g wellhead pressure has become stabilized and for a minimum of 2 hours thereafter, a d shall be at a rate of flow approximating the normal rate of flow for the zone bein produced.
- 4. Following the completion of flow test No. 1, the well will a sin be shut-in, and remain so until the well bead pressures have again become stallized and for a minimum of 2 hours thereafter.
- 5. Flow Test No. 2 shall be performed with the previously shut in side of the dual completion flowing and with the flowing side of the complet: in used in test number 1 remaining shut-in. This test shall be conducted exactly as utlined under Flow Test No. 1, and must be performed even though no leak was indicated by Flow Test No. 1.
- 6. All pressures, throughout the entire test, must be continuously measured and recorded with recording pressure gauges.
- 7. The accuracy of the recording gauges shall be checked at regimer intervals throughout the test with a dead weight best gauge, and such readings sill be recorded on the test data sheet provided.
- 8. For any well on which the wellhead pressures will not stabi ze in (24) twenty four hours or less, the minimum producing or shut-in time allowed for stabilization shall be (24) twenty-four hours.
- 9. This form must be completed and filed in duplicate with the Histrict Office of the Oil Conservation Commission within 15 days following the comple on of the testing, and must be accompanied by:
 - a. all of the charts, or copies thereof, used on the pressure recorders during the test.
 - b. the test data-sheet (s), or copies thereof, re ared under paragraph 7 acces.
 - c. a graph depicting the pressures and their chan is, for both these of the completion over the active test.
- 10. This packer leakage terms all he performed upon dual could form of any new wells so approved by the Commission . This test shall also be require each year during the annual GOR test for the location of zone or oil heal so coverned. The Commission may also request packed be know losts at any time they feel hat a new test is desirable.