NEW MEXICO OIL CONSERVATION COMMISSION

This form is <u>not</u> to be used for reporting packer leakage tests in Southeast New Mexico

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

		-	NEW PERTOO INC.			Well					
Operator AL	erada Hess Co	rperation	Le	ase <u>McKen</u>	zim Federal	No•1					
Tagation											
of Well: Uni	t <u>K</u> _Sec25		Type of Prod.	Method	of Prod.	Prod. Medium					
	Name of Reser	voir or Pool	(Oil or Gas)	(Flow or	Art. Lift)	(Tbg. or Csg.)					
Upper						. '					
Completion G	ompletion Gallup		011	Gas i	<u>ift</u>	Tbg.					
Lower	aleada		Gas	Flouri	in er	Tha					
Completion D	акота	PRE-F	LOW SHUT-IN PRE	PRESSURE DATA							
Upper Hour, d	ate	Longth	o.€	SI press.		Stabilized?					
Compl Shut-in Producing time shut			c-in psig			(Yes or No) Stabilized?					
Lower Hour, date 9:30 A.M. Length of			of t in 120 hms	SI pre		(Yes_or No)					
Lower Hour, date 9:30 A.M. Length of SI press. Stabilized? Compl Shut-in 8-10-72 time shut-in 120 hrs psig565 (Yes_or No) FLOW TEST NO. 1											
Commonand at (hour date)* Zone producing (Upper or Lower):											
Time	Lapsed time	Pres	sure	Prod. Zone							
(hour, date)	since*	Upper Compl.	Lower Compl.	Temp.	Ren	narks					
9:30 A.M.	24	45	551		Gallup zone	nmoducing					
8-11-72	24	43			uni iup zune	producting					
8-12-72	48	45	5 55		by gas lift	- Pressures					
	70		F .C.D.		Askan sekan	l mbaumi bbau					
8-13-72	72	45	560		taken after intermitter						
8-14-72	96	45	563		opened and I	P. was normal.					
8-15-72	120	45	<u> 565</u>								
Production ra	te during tes	st.				con					
Oil:3	BOPD ba	sed on	Bbls. in_	24 Hr	sGr	av. 41 Gun					
Gas:	^	CFPD; Tested " MTD_T	thru (Orifice of EST SHUT-IN PRI	ESSURE DATA							
Upper Hour, d	at.e					Stabilized?					
	Compl Shut-in time shut										
Lower Hour, d	Lower Hour, date Length				1 /						
Compl Shut-	<u>in</u>	time shu	t-in FLOW TEST N	psig		(Tes of No)					
Commenced at	(hour, date)		PHOW THOT IN	Zone p	roducing (Upp	er or Lower):					
Time	Lapsed time	Pres	sure	Prod. Zone							
(hour, date)	since **	Upper Compl.	Lower Compl.	Temp.	Remarks						
	 										
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	1					001301972					
						001 30 12.					
					 \	OIL CON. COM					
						DIST. 3					
Production re	ite during te	st									
<u>-</u>	2000 1	 	Bbls. in_	Hrs.	Grav.	GOR					
Gas:		MCFPD; Tested	thru (Orifice	or Meter):							
DENIADEO. TI			l fo seemdanee	with 0 C C	letter date	d 9-29-60 to					
REMARKS: The above test was performed in accordance with O.C.C. letter dated 9-29-60 to											
Kern County Land Co.											
I hereby certify that the information herein contained is true and complete to the best of my											
knowledge. Operator Amerada Hess Corporation											
Annroved •	10	30 197	7/								
Approved: 1977 New Mexico Oil Conservation Commission By Roaughell											
Maria Amon Sungalan de											
Ву	1	1 2	TITTE_	AIRA SU	inei illeunent						
Title PETROLEUM ENGINEER DIST. NO. 3 Date 10 24-72											

- 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 completion 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 Commission.
- 2. At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Commission 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 shutin, 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-hour 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, 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-bour 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 Commission on Northwest New Mexico Packer Leakage Test Form Revised 11-1-58, with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only). A pressure versus time curve for each zone of each test shall be constructed on the reverse side of the Packer Leakage Test Form with all deadweight pressure points taken indicated thereon. For oil zones, the pressure curve should also indicate all key pressure changes which may be reflected by the recording gauge charts. These key pressure changes should also be tabulated on the front of the Packer Leakage Test Form.

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