STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

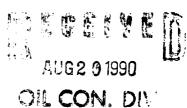
OIL CONSERVATION DIVISION

Page 1 Revised 10/01/78

This form is set to be used for reporting packer leakage tests in Southeast New Mexico

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

) Derator	DEKAL	B Energy	Company	Lease _I	Burns Fed.	We No		
ocation		Sec5		Rge	7W	County Ric	o Arriba	
	NAME OF RESERVOIR OR POOL		TYPE OF P	NOD. ME	THOD OF PROB.	PROD. MEDIUM (Tbg. or Ceg.)		
Upper ompletion	Otero Chacra			Gas		Flow	Tbg.	
Lower completion	Blanco Mesaverde			Gas		Flow	Tbg.	
					RESSURE DATA			
Upper	Hour, date shut-in Length of time shut-in				St press. palg		Stabilized? (Yes or No)	
ompletion	8-5- Hour, date shu		Length of time shu		547# St press, paig	Siahilizari	NO ? (Yes or No)	
Lower	8–5–		3 da		429#	S. S	No	
	6-5-	<i>3</i> U					110	
Descenting	at (hour, date)	* 8-8-90)	FLOW TEST	NO. 1 Zone producing (Uppe	ror Lowert Lower		
TIN (hour,		LAPSED TIME SINCE*	PRES Upper Completion	SURE Lower Completion	PROD. ZONE TEMP.	RE	MARKS	
8-9		1 day	558 # 、	384#		•		
8-1	0-90	2 days	569 #	383#			<u>`</u>	
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il:		ВОР	D based on	Bbls. in	Hours.	Grav	GOR	
32s:	·	55	MCF	PD; Tested thru	(Orifice or Meter)	. <u>Meter</u>		
		,		· ·	RESSURE DATA			
Upper completion	Hour, date sh	ut-in	Length of time sho	ut-in	SI press. psig		Stabilized? (Yes or No)	
Lower Completion Langth of Ikne shut-in			ıt-in	SI press. paig Stabi		? (Yes or No)		



FLOW TEST NO. 2

te) **			Zone producing (Upper er Lower):		
LAPSED TIME			PROD. ZONE	REMARKS	
SINCE **	Upper Completion	Lawer Completion	TEMP.		
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uring test					
BOF	D based on	Bbls. is	Hour	s Gorav GOR	
	мсі	FPD: Tested thru	(Orifice or Mete	rr):	
					
har the informat	ion herein contair	ned is true and co	omplete to the be	est of my knowledge.	
		19 (•	LB Energy Company	
on Conservation	Division	1	By H. P.	Crump.	
nal Signed by CH/	ARLES GHOLSON		_		
			lide <u>Agen</u>	<u> </u>	
PUH UIL & GAS	INDECTOR, DIST.	* *	Date <u>8-20</u>	-90	
	LAPSED TIME SINCE ** DITUING TEST BOF That the informate AUG 2 () Fill Conservation and Signed by CH/	LAPSED TIME SINCE *** Upper Completion uring test BOPD based on MCI hat the information herein contain AUG 2 () 1990 ii Conservation Division ial Signed by CHARLES GHOLSON	LAPSED TIME SINCE *** Upper Completion Lawer Completion uring test BOPD based onBbls. inMCFPD: Tested thrue hat the information herein contained is true and	LAPSED TIME Upper Completion Lower Completion TEMP. Upper Completion Lower Completion TEMP. BOPD based on Bbls. in Hour	

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

- 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 distruthed. Tests shall also be taken at any time that communication is suspected or when requested by the Division.
- 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 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 shur-in while the zone which was previously shur-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).