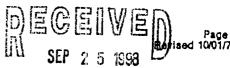
STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

OIL CONSERVATION DIVISION



be used for reporting packer leakage tests in Southeast New Mexico

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST COIN. DIV.

Operator _	DUG	AN PRODUCTION	ON CORP.	Lease _	Jicari	11a E	DISTWAI No	2	
	it <u>K</u>	Sec27	Twp26N	Rge	03W	Co	County RA		
	NAME OF RESERVOIR OR POOL			TYPE OF F		METHOD OF PRO (Flow or Art. LX		PROD. MEDIUM (Tbg. or Ceg.)	
Upper Completion				Gas	Gas Flow		Tbg		
Completion Mesa Verde			Gas	Flow			Tbg		
Hou	r, date sh	ut-in	PRE-FLO	OW SHUT-IN P	Si press. psig		Stabilized? (Yes or	No)	
Upper Completion 11:30 a.m 8-20-98 4 days Lower Completion 11:30 a.m 8-20-98 4 days			ıt-in	SI press. pelg		Stabilized? (Yee or	Stabilized? (Yea or No)		
Completion [[. 30 (am 8,20	181 10	FLOW TEST	<u> </u>				
onimenced at (h	our, date	1* 8:25am	8-24-98			cing (Upper or Lower):	Upper		
TIME (hour, date	,	LAPSED TIME SINCE#	PRES: Upper Completion	SURE Lower Completion	PROD. ZO TEMP.		REMARKS	REMARKS	
9:20am 8-25-98		1 days	255	435	ļ				
8:10 am 8-26-98		2 days	257	440				· · · · · · · · · · · · · · · · · · ·	
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roducti on t	ate du	ring test				· · · · · · · · · · · · · · · · · · ·			
		ВОРІ	D based on	Bbls. in	ı I			GOR	
as:	35		MCFI	PD; Tested thru	(Orifice or	Meter): Mete			
		_		ST SHUT-IN PI		ATA	Stabilized? (Yes or !	40)	
Upper Completion Length of time shut-in				t⊣n	SI press. psig				
	date sh	ut-In	Length of time shu	t-in	Si press. peig	i press. peig		Stabilized? (Yea or No)	

\mathbf{FLO}	W	TEST	NO	7

Zone producing (Upper or Lowert

TIME	LAPSED TIME	PRES	ISURE	PROD. ZONE	REMARKS			
flour, date)	SINCE **	Upper Completion	Lewer Completion	TEMP.				
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Production rate d	uring test		<u></u> -	<u>-</u>		way v		
Oil:	BOPE) based on	Bbls. in	Hours	Grav	GOR		
Gas:		MCFP	D: Tested thru (Orifice or Meter):				
Remarks:				•				
h1								
nereby certify th	at the information	herein contained	is true and com	plete to the best o	f my knowledge.			
Approved	SEP 25	1778	10 05	erator DUGAN P	RODUCTION CORP.			
Approved New Mexico Oil	Conservation Div	ision	., op					
			Ву	Allera	Handardt			
ORIGINAL SIGNED BY CHARLIE T. PERRIN			Tide Production Acctg. Supervisor					
DEPLITY	OIL & GAS INSP	ECTOR, DIST. #3						
itle		<u>"</u>	Dat	<u>9-22 -</u>	98			

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.

Commenced at flour, date) **

- 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.
- 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 houtly 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 thecked 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 Attec District Office of the New Mexico Oil Conservation Division on Northwest New Mexico Packer Leskage 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).