STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

2003

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

0 10 TY 273 772	
	Page 1
TO FEB 2004	(1) (1)
To the last	[]

Operator	PATINA S	AN JUA	N. INCORP	ORATEL	D Lease	TRIBAL	С	Men¶ €€7	Vo. #4
Location				<i>a</i> -	•				C82821792 DDV
of Well	Unit	P	Sec.	6	Twp.	26N	Rge.	3W Al	PI# 30-039-06668
		-						-	
	NAME OF RE	SERVOIR OR	POOL		TYPE O	F PROD.		METHOD OF PROD.	PROD. MEDI UM
	1				(Oil or Gas)		(Flow or Art. Lift)	(Tbg. or Csg.)	
Upper	DICTUBE	CLIEES	•		GAS		FLOW	TBG	
Completion Lower	PICTURED CLIFFS				J GAG		FLOV	100	
Completion	DAKOTA				GAS			FLOW	TBG
				225	EL OW CHUT	1NI DDE0	مُعادم	- 0.4-14	
Upper	Hour, date shut-in			PRE	FLOW SHUT	-IN PRES	SURE	SI press. psig	Stabilized? (Yes or No.)
Completion	1			3 DAYS			105	ves	
Lower	Hour, date shut-in			Length of time shut-in			,,,,,	Stabilized? (Yes or No.)	
Completion	1/23/04				3 DAYS			740	yes
		·							
					FLO	DW TEST		"	
Commenced	1 at (hour, date) * 1/26/04			<u> </u>			Jpper or Lower):	LOWER	
TIME	LAPSED TIME			PRESSURE		PROD. ZONE			
(hour, date)	Since *		Upper Completic		Lower Completion	TEMP.	REMARKS		ARKS
			csg	tbg	tbg	1	ļ		
01/24	 		80	75	350			Both Zones Shut I	<u> </u>
01/25			105	100	670			Both Zones Shut In	n .
0.720			- 100				 	Both Zondo Ghat II	
01/26			110	105	740			Both Zones Shut In	n
01/27	1 DAY		115	110	70			Lower Zone Flowin	na
01721	IOAI		113	110	70		 	Lower Zone Flowin	<u>ig</u>
01/28	2 DAYS		115	110	60			Lower Zone Flowir	ng
	L					<u> </u>	L		
Production	rate during	test							
Oil: BOPD based on Bbls. in					Bbls. in		Hours	Grav.	GOR
Gas: 45 MCFPD: Tested thru (Orifice or Mete METER									
				MID-T	EST SHUT-IN	PRESSU	JRE D	ATA	
Upper	Hour, date shut-in				Length of time shut-in			SI press. psig	Stabilized? (Yes or No)
Completion	, isan, sale since in		St press. psig		S. prood. paig	5188111250 (1 65 OF 140)			
	Human Advanta								
Lower			Length of time shut-in SI press. psig		SI press. psig	Stabilized? (Yes or No)			
Completion									

FLOW TEST NO. 2

Commenced	at (hour, date) **		Zone Producing (Upper or Lower):		
Time	LAPSED TIME	PRES	SURE	PROD. ZONE		
(hour, date)	SINCE **	Upper Completion	Lower Completion	TEMP.	REMARKS	
			;			
			1			
						
	<u> </u>		<u> </u>	-		
		 				
				_		
			<u> </u>			
Production	rate during test					
Oil:	ВОРD b	ased on	Bbls. in	Hrs.	GOR	
Gas:		MCFPD: Tested th	ru (Orifice or Meter):			
Remarks:						
I haraby cartif	is that the information	herein contained is tru	lo and complete to the	host of my knowle	adaa	
i nereby cerui	y that the information	nerem contained is in	ie and complete to th	e best of my knowle	euge.	
Approved ¿	Conduct 04 1	OKRTEST Befor	le Dec Opera	tor PATINA	SAN JUAN, INCORPORATED	
	o Oil Conservațio		,	170	NAT.	
1			Ву	Kays &	Challer	
By Chan	h Then	J	Title	PRODUC	CTION TECHNICIAN	

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 distrubed. 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 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.
- 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 dead-weight pressure gauge at time intervals as follows: 3 hours tests: immediately prior to the beginning of each flow-period, at fifteen-nminute 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 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 10-01-98 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only)