4

Well _No._

This form is <u>pot</u> to be used for reporting packer leakage tests in Southeast New Mexico

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Ener	gy Reserves	Group, Inc.	Le	ase Jicar	illa 35	No. 4
ocation						
of Well: Unit	L_M_Sec3	5 Twp. 25	N Rge	Met had	of Prod	Prod. Medium
,	Name of Pasar	voir or Pool	(Oil or Gas)	(Flow or	Art. Lift)	(Tbg. or Csg.)
Upper	value of Reser	VOII OI TOOL	T GIL OF GEO/	1		
Completion South Blanco Pictured Cliffs		Gas	Flo	W	Csg.	
Lower			737			
Completion Ote	ero Chacra		Gas	Flo)W	Tbg.
			LOW SHUT-IN PRE	SI pres		Stabilized?
PP - 1		Length	oi t-in 44 Days	psig		(Yes or No) Yes
Compl Shut-in 3-19-77 Lower Hour, date		Longth	of	IST pres		Stabilized?
Compl Shut-in 3-19-77		time shu	ut-in 44 Days	psig		(Yes or No) Yes
			FLOW TEST NO)		
Commenced at	(hour, date);	9:00 A.M.	5-3-77. ssure	Zone pr	oducing (Uppe	er bankukan;
					Dov	narks
(hour, date) 5-3-77	since*	Upper Compl.	Lower Compl.	Temp.	Rei	marks
9:15 A.M.	15 min.	116	852		3/4" Choke	
3.13 n.m.	10					
9:30 A.M.	30 min.	98	852	·		
			252			
9:45 A.M.	45 min.	88	852			
10:00 A.M.	1 hr.	72	852			
10.00 A.H.	 	 				
11:00 A.M.	2 hrs.	70	852			
		70	852			
12:00 A.M.	3 hrs.	70	852			
Production ra	te during te: ROPD b:	st esed on	Bbls. in	Hrs	s. Gra	avGOR
Gas: *		MCFPD: Tested	thru (Orlfice o	or Meter):		
<u> </u>		MID-1	TEST SHUT-IN PR	ESSURE DATA		101 2 23 2 2 40
Upper Hour, date 12:00 Noon Length		of	SI press.		Stabilized? (Yes or No) Yes	
Compl Shut-in 5-3-77 time		time shi	nut-in 7 Days bsig		741	Stabilized?
		ut-in 51 Days			(Yes or No) Yes	
Compil Dirac	<u> </u>		FLOW TEST N	0. 2		
Commenced at		** 9:45 A.M.	, 5-10-77			erxer Lower):
Time	Lapsed time	Pres	Lower Compl.	Temp.	Remarks	
(hour, date) 5-10-77	since **	Upper Compi.	rower compr.	1 Cmp •		
10:00 A.M.	15 min.	741	205		3/4" Choke	
10:15 A.M.	30 min.	741	192			School Section 1
10.20 A M	45 min.	741	183			
10:30 A.M.	45 min.	741	100			
10:45 A.M.	1 hr.	741	175			1011
	 				10.0	7. Can.
11:45 A.M.	2 hrs.	741	162		1 1000	Carrie a 1
12:45 P.M.	3 hrs.	741	155		101/2	Ole Land
<u></u>	1 . 3			<u></u>	- Townson	COD
0:1.	ROPD b	ased on	Hrs. Grav. GOR or Meter):			
Gas: *		MCFPD; Teste	d thru (Orifice	or Meter):		
					,	
REMARKS: *	Did not test	producing ra	tes during eith	er test.		
T hereby cert	ify that the	information	herein containe	d is true a	nd complete t	o the best of my
knowledge.	74.2 4.1		•			
_	•				y Reserves Gr	
Approved:	0:3 0	19	n Dir	Dean	B. B.	uner
	- 0	ion Commissio	,,, D y	Taxon		
Ву	E Maswell	V Se	Title	Dist.	Prod. Engr	RMD
						77
Title Tarrough	<u>Profiles a</u>	<u> </u>	Date	د	-/-/	

- 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 Commission.
- 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 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 shut-in while the zone which was previously shut-in is produced.

- 7. Pressures for gau-zone tests must be measured on each / with a deadweight pressure gauge at time intervals as follows: 3-2 or 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 Commission on Northwest New Mexico Ducker Praisage Test form Revised 11-158, 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.

