## NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator En	ergy Reserves	Group, Inc.	L	ease Jicari	11a 35	Well No. 3				
Location.										
of Well: Un	it B Sec.	2 Twp. 24	N Rg	e. 5W Method	County	Rio Arriba Prod. Medium				
	Name of Rese	rvoir or Pool				(Tbg. or Csg.)				
			,		low	Csg.				
Lower	Ot					mi				
Completion Otero Chacra Gas Flow Tbg.  PRE-FLOW SHUT-IN PRESSURE DATA										
Upper Hour,		Length	of	SI pre	ss.	Stabilized?				
Compl Shut-in 3-17-77 Lower Hour, date			time shut-in 46 Days		768	(Yes or No) Yes				
Compl Shut		time shu	Length of time shut-in 46 Days		ss. 790	Stabilized? (Yes or No) Yes				
FLOW TEST NO. 1										
Commenced at	(hour, date)	* 10:45 A.M.,	5-3-77	Zone p	roducing (Uppe	r exyrener):				
(hour, date)	since*		Lower Compl.		Rem	arks				
5-3-7 11:00 A.M.	7 15 min.	270	790		3/4" choke					
11:15 A.M.	30 min.	268 .	790							
11:30 A.M.	45 min.	228	790							
11:45 A.M.	1 hr.	218	790							
12:45 P.M.	2 hrs.	210	790							
1:45 P.M.	3 hrs.	208	790							
Oil:	ate during tes BOPD ba	st ased on	Bbls.in_	Hrs	s. Gra	v. GOR				
Gas: *		MCFPD; Tested	thru (Orifice o	or Meter):						
Upper Hour	12ta 1.45 P N	MID-T	EST SHUT-IN PRE	ESSURE DATA SI pres	36	Stabilized?				
Compl Shut-	in 5-3-77	time shu	of t-in 7 Days	pres		(Yes or No) Yes				
Lower Hour, o	iate	Length o	of	SI pres	SS•	Stabilized?				
Compl Shut-	-in 3-17-77	time shu	t-in 53 Days FLOW TEST NO	psig	790	(Yes or No) Yes				
Commenced at	(hour, date)	↔ 8:45 A.M.,	5-10-77	Zone pr	roducing (Wapa	xxxx Lower):				
Time	Lapsed time	Press		Prod. Zone	e Remarks					
(hour, date) 5-10-77	since **	Upper Compl.	rower Compt.	Temp.	nem	BIKS				
9:00 A.M.	15 min.	764	0		3/4" choke					
9:15 A.M.	30 min.	764	o							
9:30 A.M.	45 min.	764	0		A Comment of the Comm					
9:45 A.M.	1 hr.	764	0			100				
10:45 A.M.	2 hrs.	764	0							
11:45 A.M.	3 hrs.	764	0		101/0					
Production ra	te during tes	st	mi t	11.	Commence	GOR				
Oil:	ворр ва	MCFPD: Tested	Bbls. in thru (Orifice	or Meter):	Grav					
		•	es during eithe	_						
a wants are yet his little . B		\$5,4000+06,49£		Control of the Art of		-				
•	ify that the	information ha	erein contained	is true ar	nd complete to	the best of my				
knowledge.	<b>JUL</b> 25	1977	Operato	r_Energy	Reserves Grou	n. Inc.				
Approved: 19 Weay B. Same										
arran ( 11)										
	- Angel Day	GINEER DIST. N	-		-13-77					
Title			Date	<b>.</b> .	/ - / /	and the second s				

- 1. A packer lenkage test shall be consenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order sutherizing 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 whut-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 care 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 their 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 there after, 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 Exciso Oil Conservation commission on Northwest New Exciso Dacker Leakage Test form Revised .1-1 bo, 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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