NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

	This com	la par ta	NEW MEYIC	O OIL CONSERVAT	TON COMMISS	STON	Revised 11-1-58
	be used f packer le	is <u>not</u> to or reporting akage tests ast New Mexico				•	10,1200 17 1 %
	In Southe	Bat New Pickago	NORTHWEST I	NEW MEXICO PACK	ER-LEAKAGE	TEST	Well
Operator	No	rthwest Pipe	line Corporat	ionLe	ase Rosa	Unit	No. #115
Location		H Sec. 2		lN Rge	. 6W		Rio Arriba
	N	ame of Reser	voir or Pool	Type of Prod. (Oil or Gas)		of Prod. Art. Lift)	Prod. Medium (Tbg. or Csg.)
Upper	T		VOII 01 1001				
Completion	n	Gallup	· · · · · · · · · · · · · · · · · · ·	Gas	F1	OW	Annulus
Lower Completion	n	Dakota		Gas		OW	Tubing
	1-		PRE-F	LOW SHUT-IN PRE	SSURE DATA SI pres		Stabilized?
Upper Hou Compl S	r, da hut.i	te n July 17.	1985 time shu	t-in 7 Days	psig		(Yes or No) Yes
Lower Hou	r. da	te	Length	of	SI pres	35•	Stabilized?
Compl S	hút-i	n July 17,	1985 time shu	t-in 7 Days		Tbg. 2770	(Yes or No) No
0		have data	. 11 24 100	FLOW TEST NO	Zone pr	roducing (Uppe	r or Lower):
Commenced Time		hour, date)* Lapsed time	Pres	85 10:15 am su r e	Prod. Zone	outering (office	Jower
(hour, da		since*	Upper Compl.		Temp.	Rem	arks
07/24/8 10:30 ar	5	15 Mins.	Csg. 2200	Tbg. 242	66 ⁰	Produced li	ght to medium
10:45 aı		30 Mins.	Csg. 2200	Tbg. 198	72 ⁰	mist throug	hout test.
11:00 aı	m	45 Mins.	Csq. 2200	Tbg, 179	76 ⁰		
11:15 aı	m	1 Hr.	Csg. 2200	Tbg. 146	76 ⁰		
12:15 p	m	2 Hrs.	Csg. 2200	Tbg. 122	76 ⁰		
1:15 p	m	3 Hrs.	Csg. 2200	Tbg. 112	76 ⁰	Q = 1531 MC	F/D.
Production Oil:		e during tes	sed on	Bbls. in	Hrs	sGra	.vGOR
Gas:		M	CFPD; Tested	thru (Orifice o	or Meter):_	T.C750"	v. GOR Positive Choke
			MID-T	EST SHUT-IN PRI	ESSURE DATA		Stabilized?
Upper Hou			Length	of t-in 14 Days	SI pres		(Yes or No) No
Compl S Lower Hou	hut-i	ate.	Length	of	SI pre	SS•	Stabilized?
	hut-i		1985 time shu	t-in 7 Days	psig	Csg. 2780	(Yes or No) Yes
			1	FLOW TEST NO	7. 2 Zone n	roducing (Uppe	er or Lower): Upper
Commenced Time	at (hour, date)* Lapsed time	* July 31. Pres		Prod. Zone	·	
(hour, da		since **		Lower Compl.	Temp.	Rem	arks
11:20 a		15 Mins.	Csg. 686	Tbg. 2780	59 ⁰	Gallup zone	is produced
11:35 a	m	30 Mins.	Csg. 494	Tbg. 2780	60°.	annular flow	
11:50 a	m	45 Mins.	Csg. 432	Tbg. 2780	62 ⁰	Unloaded to	medium mist in 10
12:05 p	m	l Hr.	Csg. 393	Tbg. 2780	65 ⁰	mins. of flo	w, cleared to light
1:05 p	m	2 Hrs.	Csa. 296	Tbg. 2780	66 ⁰	fog remainde	r of test

of Well: U	nit HSec. 2	$\frac{2}{\sqrt{1}}$ Twp. $\frac{3}{\sqrt{1}}$	IN Rge	• <u>6W</u>	County	KIO ACCIDA
			Type of Prod. (Oil or Gas)	Method	of Prod.	Prod. Medium
Upper Completion			Gas	1	low	Annulus :
Lower Completion	Dakota		Gas	F1		Tubing
			LOW SHUT-IN PRE	0.7		01-1-212-2-20
Upper Hour, Compl Shu	date t-in July 17,	Length 1985 time shu	of t-in 7 Days of	SI pres	csg. 2200	Stabilized? (Yes or No) Yes
Lower Hour, Compl Shu	date t-in July 17,	Length 1985 time shu	of t-in 7 Days	SI pres	ss. Tbg. 2770	Stabilized? (Yes or No) No
			TELCIM TERSEL NO)_ 1		
Commenced a	t (hour, date);	[‡] July 24, 19	85 10:15 am	Zone pr	roducing (Uppe	r or Lower):
Time (hour, date	Lapsed time) since*	Pres Upper Compl.	sure Lower Compl.	Prod. Zone Temp.	Rem	arks
07/24/85 10:30 am	15 Mins.	Csg. 2200		66 ⁰	Produced li	ght to medium
10:45 am	30 Mins.	Csg. 2200	Tbg. 198	72 ⁰	mist throug	hout test.
11:00 am	45 Mins.	Csq. 2200	Tbg, 179	76 ⁰		
11:15 am	1 Hr.	Csg. 2200	Tbg. 146	76 ⁰		
12:15 pm	2 Hrs.	Csg. 2200	Tbg. 122	76 ⁰		
1:15 pm			Tbg. 112	76 ⁰	Q = 1531 MC	F/D.
Production	rate during tes	st ased on	Bbls. in thru (Orifice of	Hr:	sGra	vGOR
Gas:	1	MCFPD; Tested	thru (Orifice o	or Meter):_	T.C750"	Positive Choke
		MTD-T	FOL PHOL-IN LUT	SOURE DATA		Stabilized?
Upper Hour,	date July 17	Length	of 14 Days	SI pre	ss. Csa. 2230	(Yes or No) No
Compl Shu Lower Hour	date	Length	of	SI pre	ss.	(Yes or No) No Stabilized?
Compl Shu	it-in July 24,	1985 time shu	it-in 7 Days	psig	Csg. 2780	Stabilized? (Yes or No) Yes
			או דכיים דיאארוים	J 🕳 🐔		
Commenced a	it (hour, date)	** July 31.	1985 11:05 am	Prod. Zone	roducing (Uppe	r or Lower): Upper
Time (hour, date	Lapsed time since **		Lower Compl.	Temp.	Rem	arks
07/31/85 11:20 am	15 Mins.	Csg. 686	Tbg. 2780	59 ⁰	Gallup zone	is produced
11:35 am	30 Mins.	Csg. 494	Tbg. 2780	60°.	annular flow	
11:50 am	45 Mins.	Csg. 432	Tbg. 2780	62 ⁰	Unloaded to	medium mist in 10
12:05 pm	1 Hr.	Csg. 393	Tbg. 2780	65 ⁰	mins. of flo	w. cleared to light
1:05 pm	2 Hrs.	Csg. 296	Tbg. 2780	66 ⁰	fog remainde	r of test
2:05 pm		Csg. 259	Tbg. 2780	68 ⁰	Q = 3410 MCF	/D.
Production	rate during te	st sad on	Rhle in	Hrs.	Grav.	GOR
Oil:	BOPD D	MCFPD: Tested	thru (Orifice	or Meter):	T.C750" P	GOR_ ositive Choke
	Dakota zone p			•		
	Callum zono r	moduced 126 M	ICE			
	ertify that the	information l	perein contained	d is true a	nd complete to	the best of my
knowledge.	AUG 02 19	185	Operato		- 1	ine Corporation
Approved:	o Oil Conservat	ion Commission	n By	. <u>()</u> .	n.j. July .J. Turnbaugh	
Ву	Original Signed by CH/	ARLES GHOLSON	Title_		.g. Turnbaugn enior Engineer	
					ugust 1st, 198	5
		D. #10	AUG 2 - 1985		k1	
		u/	AUG 2 - 1985	\$	N I	

OIL CON. DIV. DIST. 3

SCRINGST NEW MESSION PACKER LEAKAGE TEST INSTRUCTIONS

- A 74 ser leakage test shall be commenced on each multiply completed all which seven days sher actual completion of the well, and annually mere to as prescribed by the order authorizing the multiple completion. Such is shall also be commenced on all multiple completion within seven and to following remarked and of the following remarked and to the following remarked and to the following remarked and the following remarked a
- 2 Hast 72 hours (coor to the commencement of any packer leakage test, the corator shall not by the Commission in writing of the exact time the test a 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-to for pressure stabilization. Both zones shall remain shut-in until the well-head pressure in each has stabilized, provided however, that they well not remain shut-in more than seven days.
- 4. For Flow Test so 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 identicated 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 consection the flow period shall be three hours.
- 5. Following commention of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.
- 6. Flow Test % 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 socie the zone which was previously shut-in is produced.

- 7. Pressures for gat 2000 lests must be measured on each zone with a deadweight pressure gate. It 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 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 Packer Leakage Test Form Revised 11-1-58, 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 or the front of the Packer Leakage Test Form.

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