NEW MEXICO OIL CONSERVATION COMMISSION

. SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

ſ	Shell Oil	Company	Lea	Argo A		ell o. 1
Locatio of Well	_	Sec 22	Twp 21	Rge	County	
OI WELL		servoir or Pool	Type of Prod		Prod. Medium	Le a Choke Size
Upper	Blinebry		(Oil or Gas)	Flow, Art Lift Flow	(Tbg or Csg)	10/61
Lower Compl	Tubb		Gas		Tbg.	48/64
Compil			<u></u>	Flow	Csg.	-
Doth go		.+ /1	FLOW TES			
			1:00 p.m.;		Upper	Lower
			1:00 p.m.;		Completion	Completio
				•••••••		X
				•••••••		591
				••••••••		Yes
Maximum	pressure dur	ing test	• • • • • • • • • • • • • • •	••••••••	416	591
Minimum	pressure dur	ing test	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	348	374
Pressure	at conclusi	on of test	••••••	• • • • • • • • • • • • • • • • • • • •	416	374
Pressure	change duri	ng test (Maxim	um minus Minimum)	68	217
				Total Tin	0	Decrease
Well clo Oil Prod	sed at (hour	, date): 1:00	p.m.; 4-3-74	Production	on 24 hrs.	
		_bbls; Grav	45.8 ; During	Test324	MCF; GOR 162	000-1
Re marks_						
Re marks _						
Remarks_			FLOW TEST			
			FLOW TEST	NO. 2	Upper Completion	
Vell ope	ned at (hour,	, date): 1:00	FLOW TEST D p.m.; 4-4-74	NO. 2	Completion	
Vell ope	ned at (hour,	, date): 1:00	FLOW TEST) p.m.; 4-4-74	NO. 2	Completion	
Vell ope Indicate Pressure	ned at (hour, by (X) t at beginning	, date): 1:00 The zone product g of test	FLOW TEST) p.m.; 4-4-74	NO. 2	Completion XX	Completion
Vell open Indicate Pressure	ned at (hour, by (X) t at beginning ed? (Yes or N	date): 1:00 the zone product of test	FLOW TEST) p.m.; 4-4-74 sing	NO. 2	CompletionX471Yes	Completion 592
Vell oper Indicate Pressure Stabilize	ned at (hour, by (X) t at beginning ed? (Yes or N	date): 1:00 the zone product of test to)	FLOW TEST) p.m.; 4-4-74 sing	NO. 2	Completion	592 Yes 592
Vell oper Indicate Pressure Stabilize	ned at (hour, by (X) t at beginning ed? (Yes or N pressure duri	the zone products of test In the test In the test	FLOW TEST) p.m.; 4-4-74 sing	NO. 2	CompletionX471Yes47130	S92 Yes 592 592
Vell oper Indicate Pressure Stabilize Maximum pressure	ned at (hour, by (X) t at beginning ed? (Yes or N pressure duri pressure duri at conclusion	date): 1:00 the zone product of test ng test ng test n of test	FLOW TEST) p.m.; 4-4-74 sing	NO. 2	CompletionX	592 Yes 592 592 592
Vell oper Indicate Pressure Stabilize Maximum pressure Pressure	ned at (hour, by (X) t at beginning ed? (Yes or N pressure duri pressure duri at conclusio change durin	date): 1:00 the zone product of test ng test ng test n of test g test (Maximum	FLOW TEST p.m.; 4-4-74 ring m minus Minimum)	NO. 2	Completion X 471 Yes 471 30 30 441	592 Yes 592 592 592 0
Vell oper Indicate Pressure Stabilize Maximum pressure Pressure Pressure as press	ned at (hour, by (X) tat beginning ed? (Yes or Noressure during at conclusion change during sure change a	date): 1:00 the zone product of test ng test n of test g test (Maximum n increase or a	FLOW TEST p.m.; 4-4-74 sing m minus Minimum) a decrease?	NO. 2 Total time	Completion X 471 Yes 471 30 30 441 Decrease on	592 Yes 592 592 592 0
Vell oper Indicate Pressure Stabiliz	ned at (hour, by (X) t at beginning ed? (Yes or N pressure duri pressure duri at conclusio change durin sure change a lete at (hour, action	date): 1:00 The zone product To f test To f test The sone product To f test To date) 1:00	FLOW TEST) p.m.; 4-4-74 sing m minus Minimum) a decrease? p.m.; 4-5-74	NO. 2 Total time Production	Completion X 471 Yes 471 30 30 441 Decrease on 24 hrs.	592 Yes 592 592 592 0 Same
Vell oper Indicate Pressure Stabilized Insimum pressure Pressure Tressure Tressure Tressure Tressure Tressure Tressure Tressure Tressure Tressure Tressure	ned at (hour, by (X) t at beginning ed? (Yes or N pressure duri pressure duri at conclusio change durin sure change a lete at (hour, action est: 31	date): 1:00 The zone product of test To) Ing test In of test g test (Maximum n increase or a date) 1:00 bbls; Grav. 39	FLOW TEST D p.m.; 4-4-74 Ring	NO. 2 Total time Production	Completion X 471 Yes 471 30 30 441 Decrease on 24 hrs.	592 Yes 592 592 592 0 Same
Vell oper Indicate Pressure Stabiliz	ned at (hour, by (X) t at beginning ed? (Yes or N pressure duri pressure duri at conclusio change durin sure change a lete at (hour, action est: 31	date): 1:00 The zone product of test To) Ing test In of test g test (Maximum n increase or a date) 1:00 bbls; Grav. 39	FLOW TEST) p.m.; 4-4-74 sing m minus Minimum) a decrease? p.m.; 4-5-74	NO. 2 Total time Production	Completion X 471 Yes 471 30 30 441 Decrease on 24 hrs.	592 Yes 592 592 0 Same
Vell oper Indicate Pressure Stabilize Maximum pressure Inimum pressure ressure as pressure as pressure as pressure as pressure lil Produ uring Te	ned at (hour, by (X) to at beginning ed? (Yes or No pressure during at conclusion change during the at (hour, action est: 31	date): 1:00 The zone product of test To) Ing test In of test g test (Maximum n increase or a date) 1:00 bbls; Grav. 39	FLOW TEST Denty, 4-4-74 Fing mainus Minimum a decrease? p.m.; 4-5-74 Gas Produ During Te	NO. 2 Total time Production	CompletionX	592 Yes 592 592 0 Same
Vell oper Indicate Pressure Stabilize Iaximum pressure Pressure Indicate Iaximum pressure Iaximum pressur	by (X) to at beginning ed? (Yes or No pressure during the at conclusion change during the at (hour, action est: 31	the informatic	FLOW TEST Denote the period of the period o	Total time Production action est 181	Completion X 471 Yes 471 30 30 441 Decrease on 24 hrs. MCF; GOR 5839	592 Yes 592 592 0 Same
Vell operation of the control operation o	by (X) to at beginning ed? (Yes or No pressure during at conclusion change during at change at the at the at the at the attent at the attent at the attent attent at the attent	the informatic	FLOW TEST Dent.; 4-4-74 Fing	Total time Production action est 181 ned is true and com Operator Shell	Completion X 471 Yes 471 30 30 441 Decrease on 24 hrs. MCF; GOR 5839	592 Yes 592 592 0 Same
Vell operation of the control operation o	by (X) to at beginning ed? (Yes or No pressure during at conclusion change during at change at the at the at the at the attent at the attent at the attent attent at the attent	the information	FLOW TEST D p.m.; 4-4-74 Ring	Total time Production action est 181 ned is true and com Operator Shell	Completion X 471 Yes 471 30 30 441 Decrease on 24 hrs. MCF; GOR 5839 plete to the best	592 Yes 592 592 0 Same

SOUTHEAST NEW MEXICO PACKER LEAK. TEST INSTRUCTIONS

- 1. A packer leakage test shall be commence:—each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the autiple 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.
- 2. 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 and for a minimum of two hours thereafter, provided however, that they need not remain shut-in more than 24 hours.
- 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 until the flowing wellhead pressure has become stabilized and for a minimum of two hours thereafter, provided however, that the flow test need not continue for more than 24 hours.

- 5. Following cor $\stackrel{\cdots}{}$ tion of Flow Test No. 1, the well shall again be shutin, in accordanc h Paragraph 3 above.
- for the two 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 previously shut-in zone is produced.
- 7. All pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges, the accuracy of which must be checked with a deadweight tester at least twice, once at the beginning and once at the end, of each flow test.
- 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 appropriate District Office of the New Mexico Oil Conservation Commission on Southeast New Mexico Packer Leakage Test Form Revised 11-1-58, together with the original pressure recording gauge charts with all the deadweight pressures which were taken indicated thereon. In lieu of filing the aforesaid charts, the operator may construct a pressure versus time curve for each zone of each test, indicating thereon all pressure changes which may be reflected by the gauge charts as well as all deadweight pressure readings which were taken. If the pressure curve is submitted, the original chart must be permanently filed in the operator's office. Form C-116 shall also accompany the Packer Leakage Test Form when the test period coincides with a gas-oil ratio test period.

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