

#### JERRY APODACA GOVERNOR

NICK FRANKLIN BECRETARY

### STATE OF NEW MEXICO

# ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 87410 (505) 334-6178

October 20, 1978

Mr. James Smith Southland Royalty Company P. O. Drawer 570 Farmington, New Mexico 87401

Re: Southland Royalty Company

Jicarilla 101 #1

A-1-26N-4W

Dear Mr. Smith:

The attached packer test for the above well indicates communication between the producible zones.

You are hereby directed to take immediate action to cause the well to comply with Rule 112A and the order authorizing the multiple completion.

If you have any questions, please contact this office.

Yours truly.

Frank T. Chavez

Deputy Inspector

FTC:no

Enclosure

## NEW MEXICO OIL CONSERVATION COMMISSION

Revised 11-1-58

Raye 1

# NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Southland Royalty Company						Lease Jicarilla 101 No. 1					
Location	ocation										
of Well:	Well: Unit A Sec. 01 Twp.					Rge. 04W Count oe of Prod. Method of Prod.		of Prod.	Prod. Medium		
	Name of Reservoir or Pool					(Oil or Gas)		low or	Art. Lift)	(Tbg. or Csg.)	
Upper Completion		Tapacito Pictured Cliffs					Flow			Tbg.	
Lower	wer moletion Blanco Mesaverde						Flow			Tbg.	
						HUT-IN PRE				Tot. 1 : 1 : 1 : 1 : 1 : 1	
Upper Hour, date 10:55 AM Length of						of c-in 72 Hrs.		SI pres	ss. Tbg. 730	Stabilized? (Yes or No)	
Compl Shut-in 09-30-78 time shut Lower Hour, date 10:55 AM Length of								SI pres	C59. 750	Stabilized?	
Compl S				time shu	ıt-in	72 Hrs.		psig	Tbq. 730	(Yes or No)	
5		1				W TEST NO	) <u>. 1</u>	Zone nr	oducing (Unna	r or Lower): Upper	
Commenced	at (	hour, date); Lapsed time	1:3	30 PM 10 Pres	-03-78	,,,			odderiig (oppe	of Boker, Opper	
(hour, dat						Compl.		•	Rem	arks	
				J. 720							
10-01-78				720	Tbc.	708			·		
10-02-79	1			g. 726 g. 726	Tbo.	719					
10-02-78		<del></del>		730 J. 730	+ ***						
10-03-78			Csc	730	Tbq.	730					
	1			g. 302		E00					
10-04-78		24 Hrs.		1. 429 1. 307	TOI.	528					
10-05-78	į	48 Hrs.		3. 307 1. 429	That.	567					
		33 4.0.	<u></u>		<u> </u>						
Production	n rat	e during te	su ased	on	ŗ	Bbls. in		Hrs	Grands.	ev. GOR	
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				MID-	rest si	HUT-IN PR	ESSU	RE DATA		101-123-19	
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Compl Shut-in time shut					+ + + + + + + + + + + + + + + + + + +			i neia		(Yes or No)	
								SI pres		(Yes or No) Stabilized?	
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Lower House Compl S	r, da hut-i	hour. date	**	Length time sh	of ut-in FL	OW TEST N	0.2	SI pres psig Zone p	ss. roducing (Uppe	Stabilized? (Yes or No)	
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#### NORTHWEST NEW MEXICO FACKER 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 completion 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 commence: 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 amosphere due to the lock of a pipeline connection the flow period shall be three hours.
- Following completion of Flow lest 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. Fracedure 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.

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7. Procedures for gas-rone tests must be measured on each zone with a deadwarght pressure gauge at time intervals as follows: 3-hour tests: immediately prior to the beginning of each flow-period, at fifteeu-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 Hexico Ducker Leakage Test Form Revised 11-1-58, with all dradweight pressures indicated thereon as well as the flowing temperatures (she zones only) and gravity and GOR (oil zones only). A pre-sure versus time curve for each zone of each test shall be constructed on the reverse side of the facker Leakage Test Form with all deadweight pre-sure 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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Revised 11-1-58

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

paye ? Well

Operator Sout	hland Royalty	/ Company		L	ease	Jicarill	a 101	No
Location			26N	Dav	^	04W	Count	y Rio Arriba
of Well: Uni	Trans	of Prod	_	Met.hod	of Prod.	Prod. Medium		
	Name of Reser	voir or Pool	(Oil	or Gas)	(1	Flow or	Art. Lift)	(Tbg. or Csg.)
Upper			İ		- 1			
Completion Ta	pacito Pictu	Gas	<del> </del>		Flow		Tbg.	
Lower						Flow		Tbg.
Completion Bi	anco mesavero	PRF_F	Gas	UT-IN PR	1 .			
Upper Hour, d	ate						s. Tbq. 713	Stabilized?
Compl Shut-	of t-in 288 Hrs.			psig	Csq. 713	(Yes or No)		
Lower Hour, d	of			ISI pres	88.	Stabilized?		
Compl Shut-	<u>in 10-05-7</u>	8   time shu	it-in	288 Hrs	0 1	psig	Tbq. 717	(Yes or No)
Cormonand at	Though date	÷ 30 15 7M	10.17	W TEST N	<u> </u>	Zone pr	oducing (Upp	er or Lower): Tower
Time	Lapsed time	TU:IS AM Pres	sure	7-70	Pro	d. Zone		er or Lower): Lower
(hour, date)	since*	Upper Compl.	Lower	Compl.	Te	mp.	Re	marks
10:30 AM		Tbg. 707						
10-17-78	15 Min.	Csg. 707	Tbg.		13.5			
10:45 AM	30 Min.	Tbg. 704 Csg. 704	Tbg.	10				
10-17-78 11:00 AM	30 141111.	Tbq. 701	150:		†	·		
10-17-78	45 Min.	Csq. 701	Tbe.	10				
11:15 AM		Tbg. 700						
10-17-78	60 Min.	Csq. 700	Tbc.	10	┼			
11:45 AM	90 Min.	Tbg. 697 Csq. 697	Tbo.	10				
10-17-78 12:15 PM	90 FIIII.	Tbg. 693	110010		1			
10-17-78	120 Min.	Csq. 693	Tbc.	10				
Production ra	te during te	st	***			T)		900
Cil:	BOPD ba	ased on	+ have /	Bbls. in_	or M	hrs	Gr Gr	avGOR
Gas:		MCFFD; lested MTD-	, wills is teat	HUT-IN_PR	ESSU	RE DATA		<del></del>
Upper Hour, d	ate	Length				SI pres		Stabilized?
Compl Shut-		time shu	ut-in_			psig		(Yes or No)
Lower Hour, d	late	Length				SI pre		Stabilized?
Compl Shut-	-in	time shu	t-in FLOW TEST NO.		<u> </u>	psig		(Yes or No)
Commenced at	(hour date)	** (Cont'd fr	om abo	ve)	00 2	Zone p	roducing (Upp	per or Lower):
Time	Lapsed time	Pres	ssure		Fro	a. Zone		
(hour, date)		Upper Compl.	Lower	· Compl.	<u> </u>	emp.	Re	emarks
1:15 PM	700 16	Tbg. 688	When	Ω				
10-17-78	180 Min.	Csg. 688	11771		<del></del>			
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	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		<u> </u>				<del>\</del>	OIL DIS
Production ra	te quring te A APA	st ased on MCFPD; Teste	Ŧ	Bbls.in	•	hrs.	Grav	GOR
Gas:	BOID 6	MCFPD; Teste	d thru	(Orifica	or.	Mater):		
REMARKS: Pic	tured Cliffs	off for OP -	Mesave	rde disc	onne	cted - 1	Non Producer	
Thanghy car	ify that the	information	harein	contains	rá ás	e true e	nd complete t	to the best of my
knowledge.	dary diame time						_	<u> </u>
_				Operat		Southla	and Royalty C	ompany
Approved:		19 ion Commissio		6	1		a In	izh
New Mexico	Dil Conservat	ion Commissio	n	No.	<u></u>	ione	a day	wo
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