STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

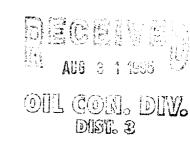
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This form is not to be used for reporting packer leakage tests in Southeast New Mexico

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

											Well	
Operator	S	outhland	Royal	ty Co.			Lease	Culpepper	Martin		No.	15
Location												
of Well:	Unit	Н	Sect	21	Twp.	32N	Rge.	12W	County		San Ju	an
		NAME	OF RE	SERVOIR O	R POOL		TYPE OF PROD.		METHOD OF PROD.		PROD. MEDIUM	
								(Oil or Gas)	(Flo	w or Art. Lift)	(Tbg. c	r Csg.)
Upper												
Completion	Mesav	/erde					GAS		FLOW		(CSG
Lower												
Completion	Dakot	а					GAS FLOW			FLOW	OW TBG	
*					PRE-	FLOW SHUT-	IN PRE	SSURE DATA				
Upper	Hour, da	ite shut-in		Length of tir				SI press. psig		Stabilized? (Ye		
Completion		8/4/95	: İ	432			or press. paig		Submised: (100 of 110		, 01 1.0,	
Lower		5, 1,00					†					_
Completion		8/4/95	,	88	16							
Compionon	<u> </u>	0, 1,00				FLOW TEST	NO 1			ı		
Commenced a	t (hour de	ite)*		9-Aug-	.95	I DO W I DOI	110. 1	Zone producing	(Unper o	Lower)	Upper	
TIME	LAPSED TIME			>-Aug-	PRES	SUPE		PROD. ZONE				
(hour,date)	~	SINCE*	'	Upper Con		Lower Compl	ation	TEMP	REMARKS			
(nour,uate)		SINCE.		Оррег Соп	ipicuon	Lower Compi	SHOIL	TEMP		KEWAK	<u></u>	
7-Aug				425		886				D K is TS.A	Canno	
7-Aug	-			42	.5	000)		+	D.K is T&A	Carino	
Ο Λιια				430 886			:			flour		
8-Aug	 			43		886)	<u> </u>	 	flow.		
0.4				4.5								
9-Aug	 			43	52	886			· · · · · · · · · · · · · · · · · · ·			
10.4				20		005						
10-Aug	330 88)	 	-					
							005					
11-Aug	ļ			36	3	885)		 	<u></u>		
								1				
	<u> </u>					L	-					
Production r	ate durin	ng test			•							
Oil:		BOPD base	d on		B bls.	in	_ Hours		_Grav.		GOR	
Gas:				MCFPD; T	Tested the	ru (Orifice or N	Meter):					
					MID-	TEST SHUT-	IN PRE	SSURE DATA				
Upper	Hour, da	ate shut-in		Length of time shut-in			SI pres. psig			Stabilized? (Yes or No)		
Completion												
Lower	Hour, da	ate shut-in		Length of tir	ne shut-in	ı	SI pres	s. psig		Stabilized? (Ye	s or No)	
Completion							<u></u>					

(Continue on reverse side)



FLOW TEST NO. 2

at (hour,date)**			Zone producing (Upper or Lower):					
LAPSED TIME	PRI	ESSURE	PROD. ZONE					
SINCE**	Upper Completion	Lower Completion	TEMP.	R	EMARKS			
		•						
			:	ļ				
		-	ļ	- 				
								
1		<u>.L</u>						
rate during test								
DODD by		5 11 ·		_				
BOPD Das				Grav.	GOR			
	MCFPD; 1e	sted unru (Orince or	Meter):					
rtify that the informa	tion herein contained	Lie tare and complet	a to the best of my le-					
iniy diat dio imorina	mon herem comaniec	is true and complet	e to the best of my ki	nowledge.				
acho	Relience	10	Onomotom	Southland D	ovalty Co			
	7	_	Operator	Oodinand N	Oyally Co.			
rico Oil Conservation	n-Division .		Rv	Dolores Dia	,			
2	Έም""0"1 1995		Бу	Doloies Diaz	<u>-</u>			
1 1			Title	Operation C	lark			
DEPLITY	OIL & GAS INSPE	CTOR		<u> </u>	IOI K			
Inc. o	OIL & GAO INSTE	.01011						
	rate during test BOPD bas rtify that the informatico Oil Conservation	rate during test BOPD based on MCFPD; Te rtify that the information herein contained the containe	LAPSED TIME SINCE** Upper Completion Lower Completion rate during test BOPD based on Bbls. in MCFPD; Tested thru (Orifice or	LAPSED TIME SINCE** Upper Completion Lower Completion TEMP. rate during test BOPD based on Bbls. in Hours. MCFPD; Tested thru (Orifice or Meter): ratify that the information herein contained is true and complete to the best of my known and the complete to the complete to the best of my known and the complete to the complete	Tate during test BOPD based on Bbls. in Hours. Grav. MCFPD; Tested thru (Orifice or Meter): Tiffy that the information herein contained is true and complete to the best of my knowledge. Jhrny Rolling 19 Operator Southland Rection Oil Conservation Division 1 1995 By Dolores Diaz	LAPSED TIME SINCE** Upper Completion Lower Completion TEMP. REMARKS rate during test BOPD based on Bbls. in Hours. Grav. GOR MCFPD; Tested thru (Orifice or Meter): rtify that the information herein contained is true and complete to the best of my knowledge. Juhnny Rollins 19 Operator Southland Royalty Co. tico Oil Conservation Division 1 1995 By Dolores Diaz Title Operation Clerk		

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

- 1. A packer leakage test shall be commenced on each multiply completed well within seven days after except that the previously produced zone shall remain shut-in while the zone which actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be connected on all multiple completions within seven days following recompletion and/or chemical or frac-ture 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 Division.
- 2. At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Division 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 if 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

- was previously shut-in is produced.
- 7. Pressures for gas-zone tests must be measured on each zone with a deadweight pressure gauge at time intervals as follows: 3 hours 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 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 gaz 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 Division of Northwest New Mexico Packer Lealage Test form Revised 10/01/78 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).