STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

Page 1 Revised 10/01/78

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

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator	UNION OIL C	OMPANY OF CAL	IFORNIA-	RINC	ON UNI	T	Well No.	#177E
ocation		DRA OL	NOCAL				D.T.	ADDIDA
of Well: Unit	Sec13	Twp27	Rge	/W		Cou	nty <u>KI</u>	J ARKIBA
NAME OF RESERVOIR OR POOL			TYPE OF (OII or C		METHOD OF PRO			PROD, MEDIUM (Tog. or Cag.)
Upper Completion SOUTH REANCO PICTURED CLIFES			CAS	GAS		FLOW		AMMULUC
Lower South BEARD FICTORED CEITIS						FLOW		ANNULUS
Completion BASII	N DA	KOTA	GAS	<u> </u>		FLOW		TUBING
			OW SHUT-IN F		DATA			
Upper Hour, date		Length of time shut-in SI press, paig					Stabilized? (Yes or No)	
	MBER 5, 1995		7 DAYS	<u> </u>	CSG. 690		NO NO	
Lower Hour, date	ahuldn 1BER 5, 1995	Length of time shi	7 DAYS.	St press, psig TBG, 1430		Stabilized? (Y	YES	
			FLOW TEST	NO. 1				
onimenced at thour, d	DECEMBE	R 11, 1995		-1	cing (Upper	or Lowert	UPPE	R
TIME (hour, date)	LAPSED TIME PRES		SURE Lawer Completion		PROD. ZONE TEMP.		REMARKS	
8:30 AM	1 HR.	CSG. 600	TBG. 1430	69°		Q = 390 MCF/D		'n
	 	C30. 000	1BG. 1430	09		<u> </u>	390 MCT	<u>U</u>
9:30 AM	2 HRS.	CSG. 480	TBG. 1430	 			···	
10:30 AM	3 HRS.	CSG. 340	TBG. 1430				·	
						E1		
						3 75 9		
						- Bu,	UEC 2 2	المراجع
roduction rate o	luring test			- 		<u> </u>		16 - 21 Ma - 1
)il:	BOP	D based on	Bbls. ic	·	Hours	G	irav	GOR
325:		MCF	PD; Tested thru	(Orifice or		<u>.</u>		
		MID-TE	ST SHUT-IN P	RESSURE D	ATA			
Upper Hour, date	shut-in	Length of time shu		SI press. psig			Stabilized? (Ye	or No)
completion DECEME		10:45AM Length of time shu	7 DAYS	SI press. psig	CSG. 7	00	Stabilized? (Ye	YES s or No)
Completion DECEME	BER 11, 1995	10:45AM	7 DAYS	ļ .	TBG. 1	445		NO

FLOW TEST NO 2

ommences at (hour, d	ale)≠≠ DECEMBE		Zone preducing (Upper or Lewerk LOWER			
TIME (hour, date)	LAPSED TIME SINCE ##	PRESSURE		PROD. ZONE		
		Upper Completion	Lower Completion	TEMP.	REMARKS	
12:00 PM	1 HR.	CSG. 700	TBG. 770	67°	Q = 300 MCF/D	
1:00 PM	2 HRS.	CSG. 700	TBG. 330			
2:00 PM	3 HRS.	CSG. 700	TBG. 280			

Production rate during test

Oil:	BOPD based on	1	Bbls. in Hours GoR
			ed thru (Orifice or Meter):
Remarks:			
			
			and complete to the best of my knowledge.
Approved	Jehnny Rolunson Oil Conservation Division	19	Operator UNION OIL COMPANY OF CALIFORNIA DBA UNOCA
New Mexic	o Oil Conservation Division		000
	DEC 2 7 1995		By R.L. Caine
Ву			
<i></i>	DEPUTY OIL & GAS INSPECTOR		Tide Production Foreman
Title			Date December 21, 1995

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

- A packer tenhage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter apprescribed by the order authorizing 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 distructed. Tests shall also be taken at ady 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 shar-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 atmosphete due to the lack of a pipeline connection the flow period shall be three hours.
- Following completion of Flow Test No. 1, the well shall again be that 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 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 tests must be measured on each tone with a deadweight pressure gauge at time intervals as follows: 3 hours tests: immediately prior to the beginning of each flow-period, at lifteen-minuse 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 litast 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 none tests: all pressures, throughout the entire test, shall be continuously measured and remoided 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 Division on Northwest New Mexico Packer Leakage 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).