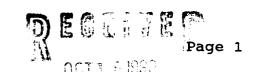
STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT



OIL CONSERVATION DIVISION

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator: AMOCO PRODUCTION COMPANY Lease/Well #:OMLER A 002E

Location of Well: D35/28/10 Meter #: 489030 RTU: 0-000-00 County: SAN JUN	Location o	f Well:	D35/28/10	Meter #:	489030 RTU	0-000-00	County:	SAN JUA
---	------------	---------	-----------	----------	------------	----------	---------	---------

	NAME	RESERVOIR OR	POOL	TYPE PROD	METHOD PROD	MEDIUM PROD
UPR COMP	OTERO	CHACRA	93503	GAS	FLOW	TBG
LWR COMP	BASIN	DAKOTA	489030	GAS	FLOW	TBG

PRE-FLOW SHUT-IN PRESSURE DATA

	Hour/Date Shut-In	Length of Time Shut-In	SI Press. PSIG	Stabilzed
UPR COMP	09/17/90	72 Hours		
			358	yes
LWR	09/17/90	72 Hours		0
COMP			520	No

FLOW TEST DATE NO.1

mmenced at (ho	our,date)*			Zone I	Producing (Upr/Lwr
TIME	LAPSED TIME	PRESSURE		Prod	
(hour, date)	SINCE*	Upper	Lower	Temp.	REMARKS
09/17/90	Day 1	192	519		Both Zones SI
09/18/90	Day 2	334	519		Both Zones SI
09/19/90	Day 3	349	521		Both Zones SI
09/20/90	Day 4	358	520		Dowld lower Zon
09/21/90	Day 5	366	267		444 MCI=
09/22/90	Day 6	378	287		592 MCF
oduction rate	during test			1	

Oil:_____ BOPD based on ____ BBLs in ____ Hrs ___ Grav_ GOR ___

Gas: _____ MFCPD:Tested theu (Orifice or Meter):METER

MID-TEST SHUT-IN PRESSURE DATA

	Hour, Date SI	Length of Time SI	SI Press. PSIG	Stabilized (yes/no)
UPR COMP				

FLOW TEST NO. 2

Commenced at (hour, d	late) 本本			Zone producing (Up)	per or Lowert
TIME	LAPSED TIME	PRES	SURE	PROD. ZONE	REMARKS
(hour, detel	SINCE **	Upper Completion	Lower Completion	TEMP.	
			İ	į	
				· · · · · · · · · · · · · · · · · · ·	
. -			ļ		•
-				!	1 - 11 - 11 - 12 - 12 - 13 - 13 - 13 - 1
			<u> </u>	!	
			1		
		<u> </u>			
		 		 	
				· <u> </u>	
Production rate	during test				-
		•			COR
Oil:	BOI	PD based on	Bbls. in	Hours	Grav GOR
				(0.15 1/	
Gas:		MCI	PD: lested thru	(Unitice of Mete	r):
Remarks:	*		···		
I hamba comife	that the informat	rion herein contait	ned is mue and co	omplete to the be	st of my knowledge.
I hereby certify		* :		/	() / / // //
Approved	OCT 16	1990	19 (Operator	hurco / Pod.
New Mexico	Oil Conservation			1	1 100
THE INCOME]	$B_y = N$	NOURL
0-:-:-	al Cianal La CHAR	ובכ בשחנינתש		1	Istel "
By	val Signed by CHAR	LES UNUESON		Title	ily Ilen
•	M AN . A SE MIENE	CTAR ALET US		// // i	1/5/90
Title LEUT	Y OIL & GAS INSPE	CHURC DIST. (SS		Date	0/3//0

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

- 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 completions within seven days following recompletion and/or chemical or fraccute 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.
- 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 shur-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 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

- that the previously produced zone shall remain shur-in while the zone which was previously shur-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 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 criplicate 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).