

STATE OF NEW MEXICO  
ENERGY and MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST FOR 1998

Operator Caulkins Oil Company Lease BREECH Well No. 377

Location  
of Well: Unit M Sec. 23 Twp. 26N Rge. 7W County Rio Arriba

	NAME OF RESERVOIR OR POOL	TYPE OF PROD.	METHOD OF PROD. (Flow or Art. Lift)	PROD. MEDIUM (Tbg. or Csg.)
Upper Comp.	GALLUP	Gas	Flow	Tubing
Lower Comp.	BASIN DAKOTA	Gas	Flow	Tubing

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Comp.	Hour, date shut-in 10:00 AM 12-24-97	Length of time shut-in 7 days 168 hours	SI press. psig 1125	Stablized?(Yes or No) No
Lower Comp.	Hour, date shut-in 10:00 AM 12-24-97	Length of time shut-in 7 days 168 hours	SI press. psig 1600	Stablized?(Yes or No) No

FLOW TEST NO. 1

Commenced at (hour, date)* 12/31/97 10:00 AM				Zone producing (Upper or Lower): Lower	
TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE Upper Comp.   Lower Comp.		PROD. ZONE TEMP.	REMARKS
12/31/97 10:15 AM	15 min.	1125	283		Dakota Flowing
12/31/97 10:30 AM	30 min.	1125	192		Dakota Flowing
12/31/97 10:45 AM	45 min.	1127	161		Dakota Flowing
12/31/97 11:00 AM	1 hr.	1127	145		Dakota Flowing
12/31/97 12:00 PM	2 hrs.	1128	102		Dakota Flowing
12/31/97 1:00 PM	3 hrs.	1128	82		Dakota Flowing

Production rate during test

OIL CON. DIV.

Oil: \_\_\_\_\_ BOPD based on \_\_\_\_\_ Bbls. in \_\_\_\_\_ Hold DIST. 3 Grav. \_\_\_\_\_ GOR \_\_\_\_\_

Gas: \_\_\_\_\_ MCFPD: Tested thru (Orifice or Meter): \_\_\_\_\_

MID-TEST SHUT-IN PRESSURE DATA

Upper Comp.	Hour, date shut-in 4:00 PM 12/31/97	Length of time shut-in 7 days 162 hours	SI press. psig 1112	Stablized?(Yes or No) No
Lower Comp.	Hour, date shut-in 1:00 PM 12/31/97	Length of time shut-in 7 days 165 hours	SI press. psig 1667	Stablized?(Yes or No) No

(Continue on reverse side)

## FLOW TEST NO. 2

Commenced at (hour, date)* 1/7/97 8:00 AM				Zone producing (Upper or Lower): Upper	
TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE		PROD. ZONE TEMP.	REMARKS
		Upper Comp.	Lower Comp.		
8:15 AM	15 min.	784	1667		Gallup Flowing
8:30 AM	30 min.	543	1670		Gallup Flowing
8:45 AM	45 min.	496	1671		Gallup Flowing
9:00 AM	1 hr.	417	1671		Gallup Flowing
10:00 AM	2 hrs.	238	1673		Gallup Flowing
11:00 AM	3 hrs.	157	1675		Gallup Flowing

Production rate during test

Oil. \_\_\_\_\_ BOPD based on \_\_\_\_\_ Bbls. in \_\_\_\_\_ Hours \_\_\_\_\_ Grav. \_\_\_\_\_ GOR \_\_\_\_\_

Gas: \_\_\_\_\_ MCFPD: Tested thru (Orifice or Meter): \_\_\_\_\_

Remarks: \_\_\_\_\_

I hereby certify that the information herein contained is true and complete to the best of my knowledge.

Approval JAN 23 1998 19 \_\_\_\_\_  
New Mexico Oil Conservation DivisionBy Johnny Robinson  
Deputy Oil & Gas Inspector  
Title \_\_\_\_\_Operator Caulkins Oil CompanyBy Robert L. VarquezTitle SuperintendentDate January 20, 1998NOTE: This format is in lieu of Oil Conservation Division, Packer Leakage Tests Form.

RECEIVED  
JAN 23 1998  
NEW MEXICO OIL CONSERVATION DIVISION