

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator GULF OIL CORPORATION Lease APACHE FEDERAL Well No. 9
Location of Well: Unit D Sec. 17 Twp. 24 N Rge. 5 W County RIO ARriba

	Name of Reservoir or Pool	Type of Prod. (Oil or Gas)	Method of Prod. (Flow or Art. Lift)	Prod. Medium (Tbg. or Csg.)
Upper Completion	OTTEO GALLUP	GAS	STANDING	CSG.
Lower Completion	BASIN DAKOTA	GAS	FLOW	TBG.

PRE-FLOW SHUT-IN PRESSURE DATA				
Upper Compl	Hour, date 10:00 AM 5/23/74	Length of time shut-in	SI press. psig 1171	Stabilized? (Yes or No) YES
Lower Compl	Hour, date 10:00 AM 6/14/76	Length of time shut-in 72	SI press. psig 862	Stabilized? (Yes or No) YES

FLOW TEST NO. 1				
Commenced at (hour, date)*				
Time (hour, date)	Lapsed time since*	Pressure		Prod. Zone
		Upper Compl.	Lower Compl.	Temp.
10:00 AM 6/14/76	24 HRS	1171		
10:00 AM 6/15/76	48 HRS	1171		
10:00 AM 6/16/76	72 HRS	1171	862	
10:00 AM 6/17/76	24 HRS	1171	243	
10:00 AM 6/18/76	48 HRS	1171	231	

Production rate during test
Oil: _____ BOPD based on _____ Bbls. in _____ Hrs. 48 Grav. _____ GOR _____
Gas: 499.0 MCFPD; Tested thru (Orifice or Meter): _____ Meter

MID-TEST SHUT-IN PRESSURE DATA				
Upper Compl	Hour, date	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
Lower Compl	Hour, date	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)

FLOW TEST NO. 2				
Commenced at (hour, date)**				
Time (hour, date)	Lapsed time since **	Pressure		Prod. Zone
		Upper Compl.	Lower Compl.	Temp.

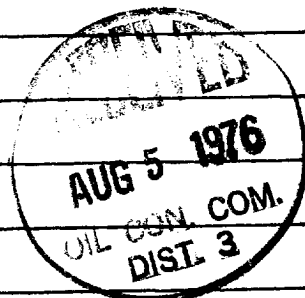
Production rate during test
Oil: _____ BOPD based on _____ Bbls. in _____ Hrs. _____ Grav. _____ GOR _____
Gas: _____ MCFPD; Tested thru (Orifice or Meter): _____

REMARKS: _____

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

Approved: JUL 5 1976
New Mexico Oil Conservation Commission
By H. E. Maxwell
Title PETROLEUM ENGINEER DIST. NO. 3

Operator GULF OIL CORPORATION
By D. F. Berlin
Title AREA ENGINEER
Date 8/4/76



1. A packer leaving this site to complete his work shall be responsible well within seven days after a verbal communication of the work, and immediately thereafter as prescribed by the order authorizing the work, to report the results. Such tests shall also be conducted on all other test items on a regular basis within seven days following completion and on a regular basis if work is interrupted, and whenever remedial work has been done at a well during which the packer or the tubing have been disturbed. Test results may be used as they see fit that communication is suspected or when ordered by the Dominant Party.

2. At least 12 hours prior to the commencement of any pot-haul package test, the operator shall notify the contractor in writing of the test. The purpose of the test is to be carried out. Other operators will be informed of the test.

3. The packer leakage test shall commence when the pressure of the well completion are shut-in to pressure stabilized conditions. The well main shut-in valve shall be closed and the wellhead pressure shall be maintained, however, that they need not remain shut-in above their initial pressure.

4. For flow test 33, 1. One end of the pipe is connected to the air at the pressure of atmospheric air. The other end of the pipe is connected to the water. Such test shall be continued for seven (7) days. The test shall be continued for 24 hours in the case of pipe 12" or less. If, during the test, there is leakage to atmosphere or if the water level in the pipe is higher than the level of the pipe, the test shall be continued for 7 days.

3. Following the death of the first victim, the FBI was advised that the victim was a member of the Black Panther Party (BPP) and was active in the BPP in the San Francisco area.

1. The following information was obtained from the records of the FBI during the period from 1964 to 1968:

Pressure measurements shall be recorded at each flow period. The number of pressure measurements per flow period shall be determined on the basis of the length of the flow period. The following are the minimum number of pressure measurements per flow period, and the timing of these measurements:

- a. For flow periods of 15 minutes or less, at least one pressure measurement shall be taken during each flow period, at approximately the midpoint.
- b. For flow periods of 15 minutes to 1 hour, at least one pressure measurement shall be taken during each flow period, at approximately the midpoint, and at least one pressure measurement shall be taken at the beginning and at the end of each flow period.
- c. For flow periods of 1 hour to 2 hours, at least one pressure measurement shall be taken during each flow period, at approximately the midpoint, and at least one pressure measurement shall be taken at the beginning and at the end of each flow period.
- d. For flow periods of 2 hours or more, at least one pressure measurement shall be taken during each flow period, at approximately the midpoint, and at least one pressure measurement shall be taken at the beginning and at the end of each flow period.

Pressure measurements shall be taken at the beginning and at the end 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 termination 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 midpoint, and immediately prior to the termination of each flow period. Other pressures may be taken as desired, but they shall be recorded on data which have previously shown questionable test data.

44-hour oil zone tests: all pressures throughout the entire test were continuously measured and recorded with recording pressure gauges. The accuracy of such data be checked at least twice, once before starting and once at the end of each test, with a deadweight pressure gauge. A well is considered an oil-gas equal completion if the pressure in the well is measured at the oil zone once, with standard test conditions, and the well is producing at the gas zone.

[illegible]