

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

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Meridian Oil Inc. Lease SAN JUAN Well No. 20-A
Location of Well: Unit D Sec. 35 Twp. 29N Rge. 9W County SAN JUAN NMex

	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	Fruitland Coal	Gas	Flow	tbg.
Lower Completion	Nez Perce	Gas	Flow	tbg.

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Completion	Hour, date shut-in 8-29-91	Length of time shut-in 14 days	SI press. psig 400	Stabilized? (Yes or No) Yes
Lower Completion	Hour, date shut-in 8-29-91	Length of time shut-in 7 days	SI press. psig 380	Stabilized? (Yes or No) Yes

FLOW TEST NO. 1

Commenced at (hour, date)* <u>11:00 AM - 9-5-91</u>				Zone producing (Upper or Lower): <u>Lower</u>	
TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE		PROD. ZONE TEMP.	REMARKS
		Upper Completion	Lower Completion		
11:00	0	400	380	64°	
11:15	15 min	400	140	69°	
11:30	30 min	400	122	62°	
12:00	1 hour	400	100	63°	
1:00	2 hour	400	90	64°	
2:00	3 hours	400	85	64°	

Production rate during test

Oil: 0 BOPD based on 0 Bbls. in Hours. Grav. GOR
Gas: 1,050 MCFPD: Tested thru (Orifice or Meter): .750 choke nipple

MID-TEST SHUT-IN PRESSURE DATA

Upper Completion	Hour, date shut-in 8-29-91	Length of time shut-in 14	SI press. psig 400	Stabilized? (Yes or No) yes
Lower Completion	Hour, date shut-in 9-5-91	Length of time shut-in 7	SI press. psig 380	Stabilized? (Yes or No) yes

(Continue on reverse side)

FLOW TEST NO. 2

Start (hour, date) **		9-12-91		Zone producing (Upper or Lower):	
11:00 AM				UPPER	
TIME (hr, date)	LAPSED TIME SINCE **	PRESSURE		PROD. ZONE TEMP.	REMARKS
		Upper Completion	Lower Completion		
11:00 AM	0	400	380	56	
11:15	15	118	380	60	
11:30	30	114	380	61	
12:00	1 hour	100	380	62	
12:30	2 hours	70	380	64	
1:00	3 hours	65	380	65	

tion rate during test

803 BOPD based on _____ Bbls. in _____ Hours. _____ Grav. _____ GOR _____
 MCFPD: Tested thru (Orifice or Meter): .750 choke nipple

SI: _____

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

Signed SEP 16 1991 19 _____
 Mexico Oil Conservation Division

Original Signed by CHARLES GILSON

DEPUTY OIL & GAS INSPECTOR, DIST. #

Operator MOI

By Larry Byars

Title Foreman

Date 9-13-91

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

Packer leakage test shall be commenced on each multiply completed well within 5 days after actual completion of the well, and annually thereafter as prescribed by the licensing the multiple completion. Such tests shall also be commenced on all completions within seven days following recompletion and/or chemical or fracturing, and whenever remedial work has been done on a well during which the tubing have been disturbed. Tests shall also be taken at any time that completion is suspected or when requested by the Division.

At 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 shall also be so notified.

Packer leakage test shall commence when both zones of the dual completion are or pressure stabilization. Both zones shall remain shut-in until the well-head pressure has stabilized, provided however, that they need not remain shut-in more than 30 days.

Flow Test No. 1, one zone of the dual completion shall be produced at the normal production while the other zone remains shut-in. Such test shall be continued for 24 hours in the case of a gas well and for 24 hours in the case of an oil well. Note: if, on completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.

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 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 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).