NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZO ROAD
AZTEC, NM 87410
PHONE: (505) 334-6175
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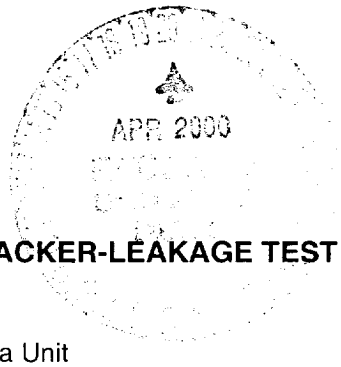

Revised 11/16/98

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator: Williams Production Company Lease Name: Rosa Unit Well No. 18

Location of Well: Letter H Sec 22 Twp 31N Rge 6W API # 30-039-07960

	NAME OF RESERVIOR OR POOL	TYPE OF PROD. (Oil or Gas)	METHOD OF PROD. (Flow or Art. Lift)	PROD. MEDIUM (Tbg. Or Csg.)
Upper Completion	PICTURED CLIFFS	GAS	FLOWING	TUBING
Lower Completion	MESA VERDE	GAS	FLOWING	TUBING

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Completion	Hour, date shut-in 3/19/2000	Length of time shut-in 3 Days	SI press. PSIG SICP = 632	Stablized? (Yes or No) Yes
Lower Completion	Hour, date shut-in 3/19/2000	Length of time shut-in 5 Days	SI press. PSIG SITP = 320	Stablized? (Yes or No) Yes

FLOW TEST NO. 1

Commenced at (hour, date)* 03/19/00 — Zone Producing (Upper or Lower): Upper

TIME (hour,date)	LAPSED TIME SINCE*	PRESSURE			PROD. ZONE TEMP.	REMARKS
		Upper Completion		Lower Completion		
		Csg	Tbg	Tbg		
3/19/2000	Day 1					Both Zones Shut In
3/20/2000	Day 2	622	620	221		Both Zones Shut In
3/21/2000	Day 3	628	627	306		Both Zones Shut In
3/22/2000	Day 4	632	631	320		Both Zones Shut In
3/23/2000	Day 5	282	124	184		Flow Upper Zone = 484 MCFD
3/24/2000	Day 6	271	120	186		Flow Upper Zone = 442 MCFD

Production rate during test

Oil: _____ BOPD based on _____ Bbls in _____ Hours _____ Gravity _____

Gas: _____ MCFPD; Tested thru (Orfice or Meter): _____ GOR _____

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

Approved APR 20 2000, 2000
Mexico Oil Conservation Division

By ORIGINAL SIGNED BY CHARLIE T. PERRIN
Title DEPUTY OIL & GAS INSPECTOR, DIST. #3

Operator Williams Production Company

By Tracy Ross
Title Production Analyst
Date April 17, 2000

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(505) 334-6178 FAX: (505) 334-6170
http://emnrd.state.nm.us/ocd/District III/3district.htm

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New Mexico

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

erator WPX Lease Name ROSA UNIT Well No 18

Location of Well: Unit Letter H Sec 22 Twp 31-N Rge 6-W API # 30-0 3003907960000

	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	PICTURED CLIFFS	GAS	FLOW	TBG
Lower Completion	MESA VERDE	GAS	FLOW	TBG

PRE-FLOW SHUT-IN PRESSURE DATA

	Hour, date shut-in	Length of time shut-in	SI press. Psig	Stabilized? (Yes or No)
Upper Completion	1125 8-3-01	72	600	YES
Lower Completion	1125 8-3-01	72	250	yes

FLOW TEST NO. 1

Commenced at (hour, date)* 1125 8-6-01 Zone producing (Upper or Lower): UPPER

TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE		PROD. ZONE TEMP.	REMARKS
		Upper Completion	Lower Completion		
1125 8-7	24 Hrs	575	230	78°	PC IS LOGGED OFF WON'T UNLOAD
1125 8-8	48 Hrs	546	312	80°	BLOW MV
1125 8-9	72 Hrs	546	368	82°	START COMPRESSOR ON PC
1125 8-10	96 Hrs	485	308	82°	BLOW MV
1125 8-11	120 Hrs	458	319	80°	S.I. PC FOR 2 HR BUILD UP

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hours _____ Grav. _____ GOR _____

Gas: 400 MCFPD; Tested thru (Orifice or Meter): METER

MID-TEST SHUT-IN PRESSURE DATA

	Hour, date shut-in	Length of time shut-in	SI press psig	Stabilized? (Yes or No)
Upper Completion	1125 8-11-01	120 hrs	500	yes
Lower Completion	1125 8-3-01	120 hrs	375	yes

(Continue on reverse side)

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

FLOW TEST NO. 2

Commenced at (hour, date)** 8-16				Zone producing (Upper or Lowr): upper	
TIME (hour,date)	LAPSED TIME Since**	PRESSURE Upper Completion	PRESSURE Lower Completion	PROD. ZONE	REMARKS
8-17		146	356	F	
8-18		138	360	FC	PC logged off
8-19		132	367	FC	

Production rate during test

Oil:_____BOPD based on_____Bbls. in_____Hours._____Grav._____GOR_____

Gas:_____MCFPD:Tested thru (Orfice or Meter):_____

Remarks:_____

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

Approved AUG 29 2001 19__ Mexico Oil Conservation Division

Operator WPX Nev

ORIGINAL SIGNED BY CHARLIE T. PERRIN

By_____

By S Brooks

Title_____ OIL & GAS INSPECTOR, DIST. #3

Title Team leader

Date 8-19

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. 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 fracture 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.

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 shut-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 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 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 dale.

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 11-16-98 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).