

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator El Paso Natural Gas Products Company Lease Frontier (GD) Well No. 1-B
Location of Well: Unit P Sec. 9 Twp. 27N Rge. 11W County San Juan

	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	<u>Kutz Gallup</u>	<u>Oil</u>	<u>Flowing</u>	<u>Tubing</u>
Lower Completion	<u>Basin Dakota</u>	<u>Gas</u>	<u>Flowing</u>	<u>Tubing</u>

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Compl	Hour, date	9:00 A.M. 7-4-64	Length of time shut-in	97 Hours	SI press. psig	Tbg. 565 Csg. 565	Stabilized? (Yes or No)	No
Lower Compl	Hour, date	9:00 A.M. 7-4-64	Length of time shut-in	97 Hours	SI press. psig	Tbg. 646	Stabilized? (Yes or No)	No

FLOW TEST NO. 1

Commenced at (hour, date)* 10:00 A.M. 7-8-64					Zone producing (Upper or Lower): Lower	
Time (hour, date)	Lapsed time since*	Pressure		Prod. Zone Temp.	Remarks	
10:00 A.M. 7-8-64	Start	Tbg. 565 Csg. 565	Tbg. 665	90° F.	Opened Dakota	
10:30 A.M.	30 Min.	Tbg. 560 Csg. 560	Tbg. 605	90° F.		
11:00 A.M.	60 Min.	Tbg. 560 Csg. 560	Tbg. 586	90° F.		
12:00 Noon	120 Min.	Tbg. 560 Csg. 560	Tbg. 551	90° F.		
1:00 P.M.	180 Min.	Tbg. 560 Csg. 560	Tbg. 545	90° F.		
10:00 A.M. 7-9-64	24 Hours	Tbg. 531 Csg. 534	Tbg. 464	90° F.		

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hrs. _____ Grav. _____ GOR _____
Gas: 145 MCFPD; Tested thru (Orifice or Meter): Meter

MID-TEST SHUT-IN PRESSURE DATA

Upper Compl	Hour, date	9:00 A.M. 7-4-64	Length of time shut-in	217	SI press. psig	Tbg. 612 Csg. 612	Stabilized? (Yes or No)	Yes
Lower Compl	Hour, date	10:00 A.M. 7-9-64	Length of time shut-in	97	SI press. psig	Tbg. 687	Stabilized? (Yes or No)	Yes

FLOW TEST NO. 2

Commenced at (hour, date)** 10:00 A.M. 7-13-64					Zone producing (Upper or Lower): Upper	
Time (hour, date)	Lapsed time since **	Pressure		Prod. Zone Temp.	Remarks	
10:00A.M. 7-13-64	Start	Tbg. 612 Csg. 612	Tbg. 687	--	Opened Gallup	
10:30 A.M.	30 Min.	Tbg. 508 Csg. 545	Tbg. 681	--		
11:00A.M.	60 Min.	Tbg. 419 Csg. 467	Tbg. 670	--		
12:00 Noon	120 Min.	Tbg. 362 Csg. 424	Tbg. 669	--		
1:00 P.M.	180 Min.	Tbg. 292 Csg. 361	Tbg. 651	--		
10:00 A.M. 7-14-64	24 Hours	Tbg. 161 Csg. 256	Tbg. 604	--		

Production rate during test

Oil: 8 BOPD based on 1 Bbls. in 3 Hrs. -- Grav. 40.2 GOR 17,500
Gas: 140 MCFPD; Tested thru (Orifice or Meter): Orifice

REMARKS: Further testing will be conducted to investigate the pressure drops noted.

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

Approved: 7-28 1968
New Mexico Oil Conservation Commission

By Ernest A. [Signature]

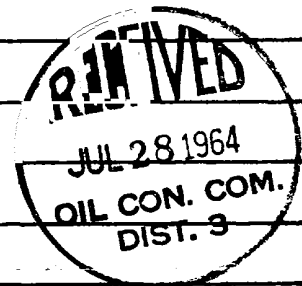
Title Phys. Dist. [Signature]

Operator El Paso Natural Gas Products Company

By ORIGINAL SIGNED BY: JOHN J. STROJEK

Title Petroleum Engineer

Date July 27, 1964



1. A packer leakage test shall be conducted on each well within seven days after completion of the well and thereafter as prescribed by the operator. During these tests shall also be conducted at least one flow test every seven days following completion of the well and whenever remedial work has been done on a well and the tubing has been disturbed. Tests shall also be conducted when communication is suspected or when requested by the owner.
2. At least 72 hours prior to the commencement of a packer leakage test, the operator shall notify the Commission. No working on the well is to be commenced until operators shall be so notified.
3. The packer leakage test shall commence when the well is in completion or shut-in for pressure stabilization. The well shall remain shut-in until the well-head pressure on each well has stabilized, however, that they need not remain shut-in more than 72 hours.
4. For Flow Test No. 1, one zone of the well except the main shut-in shall be opened and the flow shall be maintained at the normal rate of production while the test zone is shut-in. Such test shall be continued for seven days or the equivalent of 24 hours in the case of an oil well. Notwithstanding the above, if a gas well is being flowed to the atmosphere through a pipeline connection the flow period shall be the same as for an oil well.
5. Following completion of Flow Test No. 1, the well shall be shut-in, in accordance with Paragraph 3 above.
6. Flow Test No. 2 shall be conducted even though no flow is obtained during Flow Test No. 1. Procedure for Flow Test No. 2 shall be the same as for Flow Test No. 1 except that the previously shut-in zone shall be opened and the flow shall be maintained at the normal rate of production.

1. The first stage of the process is the initial test, which is performed on a small number of specimens. This stage is designed to determine the initial weight loss and the initial rate of weight loss. The initial weight loss is determined by weighing the specimens before and after the test. The initial rate of weight loss is determined by dividing the initial weight loss by the initial time.

[illegible]