

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. 27 North Rge. 11 West 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>Dakota</u>	<u>Gas</u>	<u>Flowing</u>	<u>Tubing</u>

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Compl	Hour, date	<u>11:00 A.M.</u>	Length of time shut-in	<u>72 Hours</u>	SI press. Tbg. <u>547</u>	Stabilized? (Yes or No)	<u>No</u>
	Shut-in	<u>9-28-64</u>			psig Csg. <u>548</u>		
Lower Compl	Hour, date	<u>11:00 A.M.</u>	Length of time shut-in	<u>72 Hours</u>	SI press. Tbg. <u>577</u>	Stabilized? (Yes or No)	<u>No</u>
	Shut-in	<u>9-28-64</u>			psig		

FLOW TEST NO. 1

Commenced at (hour, date)* <u>11:00 A.M. 10-1-64</u>					Zone producing (Upper or Lower): <u>Lower</u>	
Time (hour, date)	Lapsed time since*	Pressure		Prod. Zone Temp.	Remarks	
		Upper Compl.	Lower Compl.			
<u>11:00 A.M. 10-1-64</u>	<u>Start</u>	Tbg. <u>547</u>	Tbg. <u>577</u>	<u>90° F.</u>	<u>Opened Dakota to Flow</u>	
		Csg. <u>548</u>				
<u>11:30 A.M.</u>	<u>30 Min.</u>	Tbg. <u>547</u>	Tbg. <u>550</u>	<u>90° F.</u>		
		Csg. <u>548</u>				
<u>12:00 Noon</u>	<u>60 Min.</u>	Tbg. <u>547</u>	Tbg. <u>544</u>	<u>90° F.</u>		
		Csg. <u>548</u>				
<u>1:00 P.M.</u>	<u>120 Min.</u>	Tbg. <u>547</u>	Tbg. <u>532</u>	<u>90° F.</u>		
		Csg. <u>548</u>				
<u>2:00 P.M.</u>	<u>180 Min.</u>	Tbg. <u>547</u>	Tbg. <u>510</u>	<u>90° F.</u>		
		Csg. <u>548</u>				
<u>11:00 A.M. 10-2-64</u>	<u>24 Hours</u>	Tbg. <u>548</u>	Tbg. <u>459</u>	<u>90° F.</u>		
		Csg. <u>549</u>				

Production rate during test

Oil: 188 BOPD based on MCFPD Bbls. in 3 Hrs. 40.2° Grav. API GOR 12,333:1
Gas: 74 MCFPD; Tested thru (Orifice or Meter): Orifice

MID-TEST SHUT-IN PRESSURE DATA

Upper Compl	Hour, date	<u>11:00 A.M. 9-28-64</u>	Length of time shut-in	<u>166 Hours</u>	SI press. Tbg. <u>580</u>	Stabilized? (Yes or No)	<u>Yes</u>
	Shut-in	<u>9-28-64</u>			psig Csg. <u>580</u>		
Lower Compl	Hour, date	<u>11:00 A.M. 10-2-64</u>	Length of time shut-in	<u>72 Hours</u>	SI press. Tbg. <u>610</u>	Stabilized? (Yes or No)	<u>No</u>
	Shut-in	<u>10-2-64</u>			psig		

FLOW TEST NO. 2

Commenced at (hour, date)** <u>11:00 A.M. 10-5-64</u>					Zone producing (Upper or Lower): <u>Upper</u>	
Time (hour, date)	Lapsed time since **	Pressure		Prod. Zone Temp.	Remarks	
		Upper Compl.	Lower Compl.			
<u>11:00 A.M. 10-5-64</u>	<u>Start</u>	Tbg. <u>580</u>	Tbg. <u>610</u>	<u>--</u>	<u>Opened Gallup to Flow.</u>	
		Csg. <u>580</u>				
<u>11:30 A.M.</u>	<u>30 Min.</u>	Tbg. <u>580</u>	Tbg. <u>610</u>	<u>--</u>		
		Csg. <u>580</u>				
<u>12:00 Noon</u>	<u>60 Min.</u>	Tbg. <u>419</u>	Tbg. <u>610</u>	<u>--</u>		
		Csg. <u>471</u>				
<u>1:00 P.M.</u>	<u>120 Min.</u>	Tbg. <u>301</u>	Tbg. <u>620</u>	<u>--</u>		
		Csg. <u>347</u>				
<u>2:00 P.M.</u>	<u>180 Min.</u>	Tbg. <u>332</u>	Tbg. <u>630</u>	<u>--</u>		
		Csg. <u>300</u>				
<u>11:00 A.M. 10-6-64</u>	<u>24 Hours</u>	Tbg. <u>158</u>	Tbg. <u>645</u>	<u>--</u>		
		Csg. <u>201</u>				

Production rate during test

Oil: 6 BOPD based on 0.75 Bbls. in 3 Hrs. 40.2° Grav. API GOR 12,333:1
Gas: 74 MCFPD; Tested thru (Orifice or Meter): Orifice

REMARKS: Results of test indicate that the Packer is offering complete segregation.

NOTE: See attached sheet for remedial measures taken to correct leak in Dakota tubing string.

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

Approved: 10-22-1964
New Mexico Oil Conservation Commission

By Emory C. Ames

Title Sup. Dist. III

Operator El Paso Natural Gas Products Company

By ORIGINAL SIGNED BY: JOHN J. STRAJEK

Title Petroleum Engineer

Date October 20, 1964

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