EL PASO NATURAL GAS COMPANY

P. O. Box 997 Farmington, N.M.

August 23, 1957

Mr. E. C. Arnold Oil Conservation Commission 120 East Chaco Aztec, New Mexico

Re: Packer Leakage Test on the El Paso Natural Gas Company Well, Warren No. 2, SW 12-28-9,

San Juan County, New Mexico.

Dear Mr. Arnold:

The subject well was dually completed in the Pictured Cliffs and Mesa Verde zones and a packer was set at 2354 feet, and a Garrett Sleeve at 2259 feet. The Mesa Verde zone was tested through a 3/4" choke for three hours August 14, 1957 with the following data obtained:

Pictured Cliffs SIPC 855 psig; shut-in 10 days Mesa Verde SIPT 1017 psig

Time	Flowing Pressure	Pictured Cliff SIPC	Temp OF
0 15 min. 30 min. 45 min. 1 hour 3 hours	1017 452 415 . 397 . 376 . 313	855 855 856 856 857 857	66 71 74 74 80

The choke volume for the Mesa Verde test was 3906 MCF/D with an A.O.F. of 5347 MCF/D. The well was shut-in for 7 days and the Pictured Cliff zone was tested August 21, 1957 through a 3/4" choke for three hours with the following data obtained:

Mesa Verde SIPT 1028 psig; shut-in 7 days Pictured Cliffs SIPC 876 psig

Pictured Cliffs SIPC 876 psig Pictured Cliffs SIPT 876 psig

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Time	Flowing Pressure	Mesa Verde SIPT	Temp OF
0 15 min 30 min. 45 min 1 hour 3 hours	876 588 487 410 363 220	1028 1029 1029 1029 1029 1030	66

The choke volume for the Pictured Cliff test was 2820 MCF/D with an A.O.F. of 3002 MCF/D. The results of the above tests indicate there is no packer leakage.

Very truly yours,

Gas Engineer

TBG/jla

cc: W. T. Hollis
W. M. Rodgers
E. J. Coel, Jr. (6)
File

WITNESSED BY____

cc: E. J. Coel, Jr. (6)

EL PASO NATURAL GAS COMPANY

DUAL COMPLETION

OPEN FLOW TEST DATA

				DATE	August	21, 1957
perator El Paso N	atural Gas			Leose Warren No. 2		
1460'S, 1750'W, Sec. 12-28-9		County		State		
ormation				San Juan		New Mexico
Pictured (Wildcat		
ay Zone: From	5-1/2	+···	, 396	Tubing: Diameter 1-1/4		Set At: Feet 2190
ay Zone, From	2162	10 2	222	Total Depth: Packer at 235	.1.	
imulation Method	Sand Water			Flow Through Casing		Flow Through Tubing
oke Size, Inches		Choke Cons	tant: C			
	0.750	12.3	Days Shut-In			
iut-In Pressure, C	Sasing, PSIG	+ 12 = PSIA		Shut-In Pressure, Tubing	PSIG	- 12 = PSIA
owing Pressure: I	_ 87 6_ P PSIG	- 12 : PSIA	7	87 6 Working Pressure: Pw		888
	220	2		working Pressure: Pw	PSIG	i .
emperature; T	°F	n =		Fpv (From Tables)		Gravity 237
			350	1.021		.640
	Q C x P, Q 12.365 x	232 🗷 .	9943 x . 9682 :	x 1.021	28	20 MCF/[
Aof	788, 732,	544 375	1.0766	.85 x 2820 = 1.0647	x 2820)



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