

EL PASO NATURAL GAS COMPANY



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

August 23, 1956

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

Re: Packer Leakage Test on the El Paso Natural
Gas Company Well, Ludwick # 10, NE 29-30-10,
San Juan County, New Mexico.

Dear Mr. Arnold:

This well was dually completed in the Pictured Cliff and Mesa Verde zones. A bridging plug was set at 4600 feet. This well was tested this date with the following results obtained:

SIPC - 563 psig (shut-in 9 days)
SIPT - 633 psig

The casing was opened at 11:40 P.M. through a 3/4" choke and was left open for three hours.

<u>Time</u>	<u>Casing Choke Pressure Psig</u>	<u>Temp. °F</u>	<u>Choke Vol. MCF/Day</u>	<u>Tubing Pressure Psig</u>
11:40 A.M.	Opened casing			633
11:55 A.M.	335	63	4808	636
12:10 P.M.	288	65	4121	637
12:25 P.M.	258	65	3698	637
12:40 P.M.	240	66	3445	638
2:40 P.M.	168	70	2430	

At 12:45 P.M. the tubing was opened through a 3/4" choke and was left open for three hours.

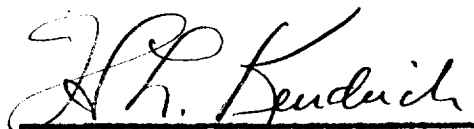
<u>Time</u>	<u>Tubing Choke Pressure Psig</u>	<u>Temp. °F</u>	<u>Choke Vol. MCF/Day</u>	<u>Casing Pressure Psig</u>
12:45 P.M.	Opened tubing			
2:40 P.M.	222	71	3112	168
2:55 P.M.	210	75	2935	340
3:10 P.M.	208	76	2903	364
3:25 P.M.	201	76	2811	386
3:40 P.M.	196	75	2745	400
3:45 P.M.	195	75	2732	405

The tubing was shut-in at 3:45 P.M. The low shut-in pressure on the tubing may have been influenced by an accumulation of liquid in the tubing string. The tubing unloaded quite a bit of liquid.

The results of the data obtained during the test indicates that there is no leakage past the bridging plug.

This test was witnessed by Mr. Fred Cook of the New Mexico Oil Conservation Commission.

Very truly yours,


H. L. Kendrick
Gas Engineer

HLK/jla

cc: E. E. Alsup
D. H. Tucker
R. W. Harris
W. T. Hollis
Bill Parrish
D. V. Rittman
W. M. Rodgers
Wayne Cheek
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