

EL PASO NATURAL GAS COMPANY

Memorandum

To: Mr. Ed E. Alsup

Date: March 31, 1958

From: Gas-Production Department

Place: Farmington, New Mexico

SUBJECT: Bottom Hole Pressure Survey on El Paso Natural Gas Company Well, Sunray No. 2-A, NE Sec. 10, T 30 N, R 10 W, San Juan County, New Mexico.

Well was shut-in for maximum pressure buildup on 8 June, 1956. An apparent wellhead maximum pressure of 1039 psig was obtained on 1 July, 1957, after a shut-in interval of 395 days. It was decided to leave the well shut-in, in an attempt to observe any pressure decline due to production being taken from off-set wells. The well remained shut-in until a bottom hole pressure survey was run on 11 March, 1958. The well was shut-in for a total time of 641 days, or 246 days after the apparent maximum pressure was observed. Total pressure decline during the 246 days was 3.8 psi.

Data obtained from the bottom hole pressure survey is as follows:

SIPC 1035; SIPT 1035, psig
Depth Run 5564'
Wellhead Temp. 25° F
Temp. at 5564' 157° F
Pressure at 5564' 1206 psig

Pressures and Gradients are as follows:

<u>Stop</u>	<u>Pressure</u>	<u>Gradient</u>
Lubricator	1017	
1000'	1052	.035
5000'	1184	.033
5250'	1191	.028
5400'	1193	.013
5500'	1197	.040
5564'	1206	.141

The gradient would indicate apparent liquid between 5500' and 5564'.

L. D. Galloway
L. D. Galloway
Sr. Gas-Production Engineer

LDG/nb

cc: New Mexico Oil Conservation Commission (2)

R. F. Lemon

F. N. Woodruff

E. S. Oberly

File

