

EL PASO NATURAL GAS COMPANY

DEVIATION REPORT

Name Of Company El Paso Natural Gas Company				Address Box 990, Farmington, New Mexico - 87401			
Lease San Juan 28-5 Unit	Well No. 76	Unit Letter C	Section 21	Township 28N	Range 5W		
Pool Basin Dakota				County Rio Arriba			

DEPTH	DEVIATION	DEPTH	DEVIATION	DEPTH	DEVIATION
509'	1°	4522'	5°	7381'	13°
1952'	2°	4979'	2°	7505'	XX 13°
2324'	2°	5351'	1 1/2°	7627'	11 3/4°
2785'	1 1/2°	5813'	1°	7748'	12°
3286'	1 1/2°	6619'	6°	7877'	12 1/2°
3567'	2°	6680'	9°	8058'	12°
3838'	1 1/2°	6802'	10°		
<u>SIDETRACK HOLE</u>		6893'	10 1/2°		
3888'	4°	6952'	16°		
3925'	8 1/4°	7013'	16°		
3970'	7 1/2°	7074'	16°		
4090'	7°	7167'	15 1/4°		
4217'	6°	7210'	14 1/2°		



I, the undersigned, certify that I, acting in my capacity as Petroleum Engineer of El Paso Natural Gas Company, am authorized by said Company to make this report; and that this report was prepared by me or under my supervision and directions and that the facts stated therein are true to the best of my knowledge and belief.

Carl E. Matthews

Subscribed and sworn to before me this 27th day of September, 1968.

Nora G. Lisco
Notary Public in and for San Juan County, New Mexico

My commission expires October 5, 1968.

San Juan 28-5 Unit #76
Int Cg @ 3850', Sidetracked hole at 3893' 6893'

Measured Depth	Delta Depth	Average Dev Δ Delta Depth	Dev Angle	Sin Dev Angle.	Horiz Displ.	Cum Horiz Displ.
0						
509	509		1°			
1952	1343		2°	.03490		
2324	372		2°			
2785	461		1½°			
3286	501		1½°			
3567	281	3838 @	2°			
3838	271	2°	1½°	1	100.3	100.3
3888	50	1144M	4°	.06976	3.5	103.8
3925	37		8½°	.14349	5.3	109.1
3970	45		7½°	.13053	5.9	115.0
4090	120		7°	.12187	14.6	129.6
4217	127		6°	.10453	13.3	142.9
4522	305		5°	.08716	26.6	169.5
4979	457	1291'	2°			
5351	372	@	1½°	.02618	33.8	203.3
5813	462	1½°	1°			
6619	806	8	6°	.10453	83.8	287.1
6680	61		9°	.15643	9.6	296.1
6802	122	213'	10°	.17365	37.0	333.7
6893	91	@ 10°	10½°			
6952	59	181'	16°			
7013	61	@	16°			
7074	61	16°	16°	.27564	49.8	383.5
7167	93		15½°	.26303	24.4	407.9
7210	43		14½°	.25038	10.74	418.6
7381	170	294'	13°			
7505	124	@ 13°	13°	.22445	66.2	484.8
7627	122		11¾°	26791		
7748	121	553'	12°	.26791		
7877	129	@	12½°			
8058	203	12°	12°		116.3	601.1

Maximum possible horizontal displacement of the hole at total depth is 601.1'

AM

