

DURHAM, INC.
Shell - Federal Com. #1
Sec. 8, T-21-S, R-24-E
Eddy Co., N. M.

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JUL 31 1979

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICODEVIATION SURVEY

<u>Depth,</u> <u>ft</u>	<u>Deviation,</u> <u>Degrees</u>	<u>Vertical Distance</u> <u>between surveys, ft</u>	<u>Horizontal</u> <u>Displacement, ft</u>	<u>Cumulative</u> <u>Displacement, ft</u>
380	1 $\frac{1}{2}$	380	9.9	9.9
457	2	77	2.7	12.6
540	2	83	2.9	15.5
643	1 $\frac{1}{2}$	103	2.2	17.7
977	3/4	334	4.4	22.1
1475	3/4	498	6.5	28.6
1761	3/4	286	3.7	32.3
2026	3/4	265	3.5	35.8
2364	$\frac{1}{2}$	338	2.9	38.7
2800	1	436	7.6	46.3
3204	$\frac{1}{2}$	404	3.5	49.8
3454	1	250	4.4	54.2
3802	1 $\frac{1}{4}$	348	7.6	61.8
4159	1 $\frac{1}{4}$	357	7.8	69.6
4542	2 $\frac{1}{4}$	383	15.0	84.6
4750	2 3/4	208	10.0	94.6
4884	2 3/4	134	6.4	101.0
5044	2 $\frac{1}{4}$	160	6.3	107.3
5251	2 $\frac{1}{2}$	207	9.0	116.3
5500	2 3/4	249	11.9	128.2
5744	2 3/4	244	11.7	139.9
6010	2	266	9.3	149.2
6454	2 3/4	444	21.3	170.5
6750	2 $\frac{1}{2}$	296	12.9	183.4
7156	2 $\frac{1}{2}$	406	17.7	201.1
7565	1	409	7.1	208.2
8066	1	501	8.7	216.9
8271	1 $\frac{1}{4}$	205	4.5	221.4
8658	1	387	6.8	228.2
9153	1	495	8.6	236.8
9605	1	452	7.9	244.7
9838	1 3/4	233	7.1	251.8
9878	1	40	.7	252.5

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AUG 2 1979

O. C. C.
ARTESIA, OFFICE