

ATLANTIC REFINING CO.

State AZ # 1 Well

860' F.N.L. 660' F.E.L. Sec. 6, 19 S. 35 E.

Lea County, New Mexico

Deviation Survey

Depth	Deviation	Depth	Deviation
200 ft.	$\frac{1}{2}$	7684 ft.	2 $\frac{1}{2}$
350 ft.	$\frac{3}{4}$	7718 ft.	2 $\frac{1}{4}$
420 ft.	$\frac{3}{4}$	7805 ft.	2 $\frac{1}{4}$
520 ft.	$\frac{3}{4}$	7905 ft.	2 $\frac{1}{2}$
700 ft.	$\frac{3}{4}$	7968 ft.	3
820 ft.	$\frac{1}{2}$	8020 ft.	2 $\frac{3}{4}$
1040 ft.	$\frac{1}{2}$	8055 ft.	2 $\frac{3}{4}$
1162 ft.	$\frac{1}{2}$	8191 ft.	2 $\frac{1}{2}$
1257 ft.	$\frac{1}{2}$	8224 ft.	2 $\frac{3}{4}$
1340 ft.	$\frac{1}{2}$	8317 ft.	3
1530 ft.	$\frac{1}{2}$	8378 ft.	2 $\frac{3}{4}$
1660 ft.	1	8493 ft.	3
1792 ft.	$\frac{3}{4}$	8615 ft.	2 $\frac{1}{2}$
1970 ft.	$\frac{1}{2}$	8700 ft.	3
2130 ft.	$\frac{1}{2}$	8870 ft.	3 $\frac{3}{4}$
2250 ft.	$\frac{1}{2}$	8917 ft.	4 $\frac{1}{4}$
2440 ft.	$\frac{1}{2}$	8980 ft.	4
2226 ft.	$\frac{3}{4}$	9040 ft.	4 $\frac{1}{2}$
2710 ft.	$\frac{3}{4}$	9135 ft.	4 $\frac{3}{4}$
2830 ft.	$\frac{3}{4}$	9170 ft.	4 $\frac{3}{4}$
2950 ft.	1 $\frac{1}{4}$	9200 ft.	4 $\frac{3}{4}$
3113 ft.	2	9259 ft.	4 $\frac{3}{4}$
3445 ft.	1 $\frac{3}{4}$	9285 ft.	4 $\frac{3}{4}$
3530 ft.	1 $\frac{1}{2}$	9322 ft.	4 $\frac{3}{4}$
3685 ft.	2	9395 ft.	4 $\frac{3}{4}$
3817 ft.	1 $\frac{3}{4}$	9430 ft.	4 $\frac{3}{4}$
3902 ft.	1 $\frac{1}{2}$	9460 ft.	4 $\frac{1}{2}$
4200 ft.	1	9475 ft.	4 $\frac{1}{2}$
4427 ft.	1	9512 ft.	4 $\frac{1}{2}$
4657 ft.	1	9542 ft.	4 $\frac{1}{2}$
4760 ft.	1	9573 ft.	4 $\frac{1}{2}$
5000 ft.	1	9605 ft.	4 $\frac{1}{4}$
5200 ft.	$\frac{3}{4}$	9640 ft.	4 $\frac{1}{4}$
5390 ft.	$\frac{3}{4}$	9705 ft.	4 $\frac{3}{4}$
5594 ft.	$\frac{3}{4}$	9734 ft.	
5890 ft.	$\frac{3}{4}$	9734 ft.	5 $\frac{1}{4}$
6125 ft.	$\frac{3}{4}$	9768 ft.	5
6430 ft.	1 $\frac{3}{4}$	9800 ft.	4 $\frac{3}{4}$
6500 ft.	1 $\frac{1}{4}$	9831 ft.	4 $\frac{3}{4}$
6745 ft.	2 $\frac{1}{4}$	9863 ft.	4 $\frac{1}{4}$
6850 ft.	2	9877 ft.	4
7150 ft.	2	9915 ft.	3 $\frac{3}{4}$
7243 ft.	1 $\frac{3}{4}$	9976 ft.	3 $\frac{1}{2}$
7304 ft.	2	10030 ft.	3
7435 ft.	1 $\frac{3}{4}$	10237 ft.	3 $\frac{1}{4}$

R. C. SNEED

SWORN AND SUBSCRIBED TO BEFORE ME this 1st day of October, 1964, by the said R. C. Sneed to certify which witness my hand and seal of office.

Notary Public, Lea County, Texas