

Humble-State #1

NW/4 of NW/4 Sec. 21, T-11-S, R-38-E, Lea County, New Mexico.

Vertical Deviation Surveys

<u>Depth</u>	<u>Deviation</u>	<u>Depth</u>	<u>Deviation</u>
375	3/4	8,471	1/4
1,961	1	8,643	3/4
3,044	1/4	8,827	3/4
3,654	1/4	8,996	1
4,109	1-1/4	9,120	1
4,425	1/2	9,490	3/4
4,800	3/4	9,675	1/2
5,028	3/4	9,810	1
5,310	3/4	9,985	1
5,590	3/4	10,097	1
5,795	3/4	10,216	3/4
6,091	1/4	10,356	1
6,416	1	10,513	1
6,730	3/4	10,627	1
6,931	3/4	10,743	1-1/4
7,110	1/2	10,787	1-1/2
7,365	3/4	11,137	2
7,543	1/2	11,180	1-3/4
7,743	3/4	11,579	2
7,935	3/4	11,940	2
8,298	3/4		

Drill Stem Tests

- #1: 9400' - 9490' (Wolfcamp). Open 55 minutes, recovered 70' mud. Initial & Final flow pressure: 45 PSI. 30 minute initial shut-in pressure & 15 minute final shut-in pressure: 130 PSI. HI & MO: 5250 PSI.
- #2: 12,085' - 12,158' (Devonian). Open 60 minutes. Recovered 2800' water blanket, 510' gas cut mud; 826' gas cut salt water. Initial flow pressure: 1576 PSI. Final flow pressure: 1733 PSI. 30 minute shut-in pressure=initial and final: 4076 PSI. HI & MO: 5769 PSI.