

Deviation surveys taken on Manhattan Petroleum, inc.  
Lea county New Mexico

Caudill 33 #1

30-025-37804

M-33-14s-36e

660/5 & 500(w)

Depth	Deviation
467	1.00
760	0.75
1750	0.75
2250	1.25
2750	1.00
3286	1.00
3750	1.00
4239	0.25
4526	0.75
4746	0.75
5141	0.75
5650	1.00
6157	0.50
6633	0.75
7142	0.50
7652	0.25
8163	0.50
8764	0.50
9260	1.00
10260	0.75
10722	1.00
11667	0.75
12167	0.25
12681	1.25
13172	2.00
13547	2.50
14053	2.75
14443	3.25

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JUN 02 2008

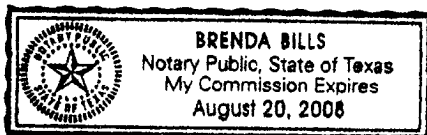
HOBBS OCD

Before me, the undersigned authority, on this day personally appeared G. M. HALL, known to me to be the person whose name is subscribed hereto, who, after being duly sworn, on oath states that he is the drilling contractor of the well identified in this instrument and that such well was not intentionally deviated from the vertical whatsoever.

SWORN AND SUBSCRIBED TO before me t this the

day of

2005



Bunda Bill