

Results of Directional Survey

API number:	30-025-39630		
OGRID:		Operator:	MANZANO LLC
		Property:	LOBO 31 STATE # 1H

surface	ULSTR:	A	31	T 10S	R 33E
				400 FNL	200 FEL

BH Loc	ULSTR:	D	31	T 10S	R 33E
12815	MD	8534.5	TVD	490 FNL	4565 FEL

Top Perf/OH	ULSTR:	A	31	T 10S	R 33E
	MD		TVD		

Bot Perf/OH	ULSTR:	D	31	T 10S	R 33E
	MD		TVD		

	MD	N/S	E/W	VD
TOP PERFS/OH				
BOT PERFS/OH				

NEXT TO LAST	12721	-86.18	-4270.71	8533.82
LAST READING	12752	-87.34	-4301.68	8534.05
TD	12815	-89.70	-4364.62	8534.52

Surface Location	400	FN	200	FE
Projected BHL	490	FN	4565	FE
Location of				
Top Perfs/OH	400	FN	200	FE
Bottom Perfs/OH	400	FN	200	FE

SUMMARY of Subsurface Locations

Surface Location	A-31-10S-33E	400	FN	200	FE	Vert. Depth
Top Perfs/OH	A-31-10S-33E	400	FN	200	FE	0.00
Bottom Perfs/OH	D-31-10S-33E	400	FN	200	FE	0.00
Projected TD	D-31-10S-33E	490	FN	4565	FE	8534.52

RECEIVED

AUG 31 2010

WELL NAME AND NUMBER Lobo 31 State #1H Unit A HOBBSOCD
LOCATION Section 31, T10S, R33E, 400 FNL, 200 FEL, Lea County
OPERATOR Manzano, LLC 30-025-39630
DRILLING CONTRACTOR United Drilling, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation test and obtained the following results:

Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
1 @ 387	3/4 @ 8594	
1/2 @ 852		
1/4 @ 1352		
1 @ 1833		
1 @ 2337		
2 @ 2845		
1/2 @ 3325		
1 1/2 @ 4217		
1 1/2 @ 4904		
1/2 @ 5377		
1/2 @ 5881		
3/4 @ 6386		
3/4 @ 6889		
3/4 @ 7435		
1 @ 7866		
3/4 @ 8109		

Drilling Contractor- UNITED DRILLING, INC.

By: Luisa Noriega
(Luisa Noriega)

Title: Assistant Office Manager

Subscribed and sworn to before me this 4th day of May, 2010.



My Commission Expires: 10-8-12

Carlene Martin
Notary Public
Chavez New Mexico
County State