



WELL NAME AND NUMBER: Empire Abo Unit 417 30-015-39401

LOCATION: SEC. 36, TOWNSHIP 17S, RANGE 27E NMPM; EDDY COUNTY, NEW MEXICO UL "P"
(New Mexico give U, S, T, & R) 1110' FSL + 630' FEL

OPERATOR: **APACHE CORPORATION**

DRILLING CONTRACTOR: **AZTEC WELL SERVICING COMPANY INC.**

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

Degrees @ Depth

.7 ° @	986
1.1 ° @	1238
1. ° @	1739
1.5 ° @	1989
1 ° @	2402
.3 ° @	2651
1.3 ° @	3223
1.5 ° @	3473
.6 ° @	3651
1.4 ° @	3902
1.5 ° @	4223
1.8 ° @	4473
2 ° @	4690
2.8 ° @	4940
3.3 ° @	5236
3.1 ° @	5474

Degrees @ Depth

2.7 ° @	5736
2.8 ° @	5726
2.6 ° @	5913
2.3 ° @	5976
2.1 ° @	6195
2.5 ° @	6271
° @	
° @	
° @	
° @	
° @	
° @	
° @	
° @	

DRILLING CONTRACTOR **AZTEC WELL SERVICING CO. INC.**

BY Leri Thompson

Subscribed and sworn to before me this ___17th___ day of ___February___, 2012.

My Commission Expires:

3/16/2013

[Signature]
Notary Public

San Juan County, New Mexico