

WELL NAME AND NUMBER: Empire Abo Unit 415 30-015-39009

LOCATION: SEC. 2, TOWNSHIP 18S, RANGE 27E NMPM; EDDY COUNTY, NEW MEXICO UL "G"  
(New Mexico give U, S, T, & R) 1650' FUL + 2430' FEL

OPERATOR: **APACHE CORPORATION**

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

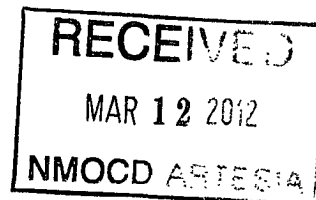
The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that the deviation tests obtained the following results:

Degrees @ Depth

.32 ° @	462
.3 ° @	748
.4 ° @	998
.6 ° @	1247
1.3 ° @	1747
1.2 ° @	1997
1.2 ° @	2497
.8 ° @	2749
1.7 ° @	3251
1 ° @	3473
1.3 ° @	3723
2 ° @	3976
1.63 ° @	4188
1.5 ° @	4325
2 ° @	4484
.4 ° @	4161

Degrees @ Depth

0.8 ° @	4796
1.4 ° @	5079
1.3 ° @	5110
1.4 ° @	5266
1.1 ° @	5424
1.6 ° @	5582
0.2 ° @	5944
0.2 ° @	5976
0.5 ° @	6279
° @	
° @	
° @	
° @	
° @	
° @	
° @	



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

BY

Terris 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

