

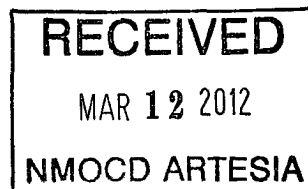
WELL NAME AND NUMBER: Empire Abo Unit 407 30-015-39006

LOCATION: SEC. 32, TOWNSHIP 17S, RANGE 28E NMPM; EDDY COUNTY, NEW MEXICO UL J
(New Mexico give U, S, T, & R) 2400' FSL + 2450' 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

.77 ° @	464
.1 ° @	564
.3 ° @	742
.5 ° @	993
1.0 ° @	1496
.9 ° @	1746
1.2 ° @	2246
1.1 ° @	2496
1.2 ° @	2749
1.1 ° @	3001
.5 ° @	3251
.6 ° @	3501
.1 ° @	3755
1.1 ° @	4013
.8 ° @	4265
.9 ° @	4517

Degrees @ Depth

3.1 ° @	4770
2.8 ° @	5041
1.7 ° @	5293
1.7 ° @	5545
1.4 ° @	5796
2.8 ° @	6049
1.8 ° @	6044
° @	
° @	
° @	
° @	
° @	
° @	
° @	

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

BY Teri 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

