

PHOENIX TECHNOLOGY SERVICES SURVEY DATA CERTIFICATION



PHOENIX JOB NUMBER 1310152

OPERATOR COG Operating

WELL NAME Hearse 36 State #2H

COUNTY & STATE

Eddy County

API WELL NUMBER 30-015-40944

PROPOSED DIRECTION 0.02

TIE-IN DATA						
MEASURED DEPTH	VERTICAL DEPTH	INCLIN	AZIMUTH	N-S COORD	E-W COORD	DATA SOURCE
2,407 ft	2,406.6 ft	0.75	318.41	36.3	-16.51	GYRO

FIRST SURVEY DATE	FIRST SURVEY DEPTH	INCLIN	AZIMUTH
10-Feb-13	2,495 ft	0.9	315.8

SURVEY INSTRUMENT TYPE
PHOENIX MWD

LAST SURVEY DATE	LAST SURVEY DEPTH	INCLIN	AZIMUTH
22-Feb-13	7,536 ft	90.6	0.8

TO THE BEST OF MY KNOWLEDGE I
CERTIFY THIS SURVEY DATA TO BE
TRUE AND CORRECT.

PROJECTED TD SURVEY DATE	PROJECTED TD SURVEY DEPTH	INCLIN	AZIMUTH
22-Feb-13	7,590 ft	90.6	0.8

Robert Dillon

PRINT YOUR NAME ABOVE

Robert Dillon

SIGN YOUR NAME ABOVE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED	7.81
DECLINATION OR GRID	GRID

2-22-2013

TODAY'S DATE

MWD SUPERVISOR 1

Bob Dillon

DIRECTIONAL DRILLER 1

Andrew Hodgkins

MWD SUPERVISOR 2

E. Burchinal

DIRECTIONAL DRILLER 2

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