



Job Number: SVCO-110840

Company: Yates Petroleum Corporation

Lease/Well: MELSON ZS FEDERAL 2H

Location: Eddy County, NM

Rig Name: Patriot #5

RKB: 27'

G.L. or M.S.L.: GL

State/Country: New Mexico/USA

Declination: 7.48°

Grid: East To Grid

File name: F:\SURVEY\2011SU-1\YATES\MELSON2H.SVY

Date/Time: 18-Jul-11 / 11:59

Curve Name: Surface - 800' M.D. (Gyroscopic)

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 359.81
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

We hereby certify that our survey data from
 Surface MD to 800' MD is, to the best of
 our knowledge a true and accurate account of the
 well bore.

Dana Jutte 7/18/11
 MS Energy Services Date

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
200.00	.50	246.28	200.00	-.35	-.80	-.35	.87	246.28	.25
400.00	.50	285.13	399.99	-.47	-2.44	-.47	2.49	259.00	.17
600.00	1.00	270.98	599.97	-.22	-5.03	-.20	5.03	267.53	.26
Last Survey Depth Recorded									
800.00	.75	243.83	799.95	-.76	-7.95	-.74	7.98	264.51	.24