

PETROLEUM DEVELOPMENT CORP Weld County CO

Well Name: **Riteaway 32J-403**

Surface Location: Riteaway NW-32 Pad Sec.32-T5N-R67W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

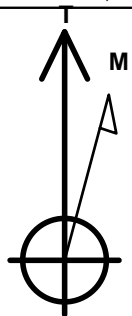
Ground Elevation: 4794.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1375500.37	3161568.00	40.362700	-104.920200	

Original Well Elev WELL @ 4809.0ft (Original Well Elev)

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
HARDLINE SHL 460'FNL	1.0	-193.0	-600.0	Polygon
HARDLINE BHL 460'FSL	1.0	-4513.7	-600.0	Polygon
SECTION LINE 267'N OF SHL	1.0	267.0	-600.0	Polygon
BHL 500'FSL, 1320'FWL	6970.0	-4473.7	-471.0	Point



Azimuths to True North
Magnetic North: 8.84°

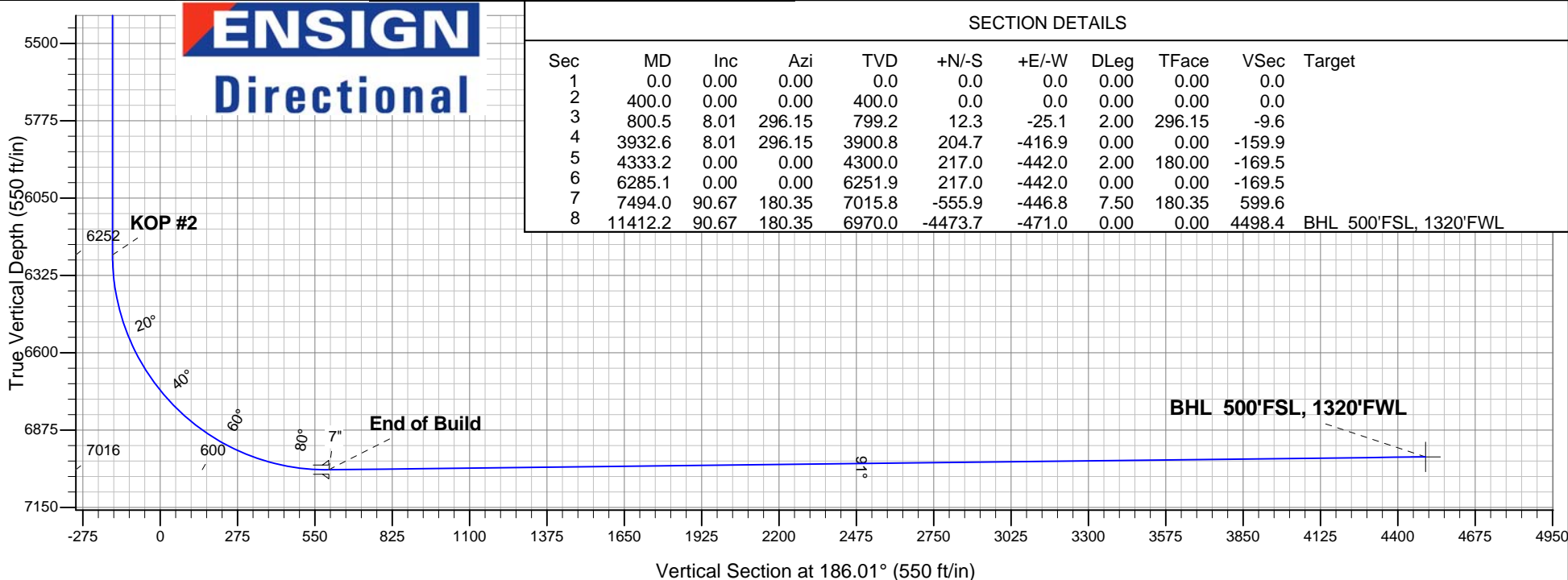
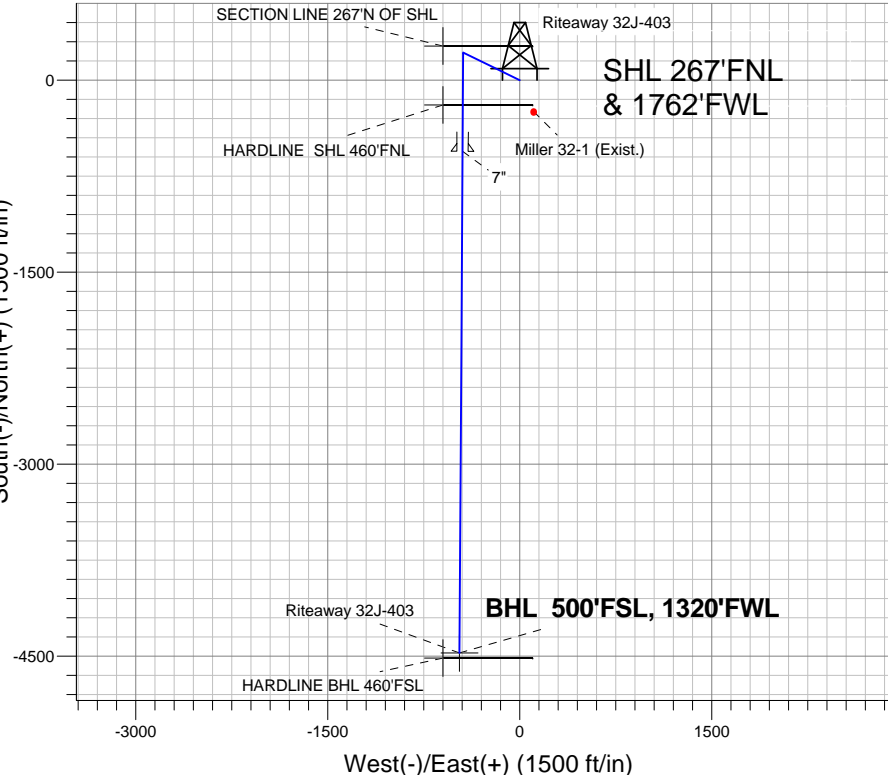
Magnetic Field
Strength: 53012.8nT
Dip Angle: 66.97°
Date: 3/27/2012
Model: IGRF2010

Riteaway NW-32 Pad Sec.32-T5N-R67W
Riteaway 32J-403
Plan #1 (3-27-12)
14:56, April 10 2012

ANNOTATIONS

TVD	MD	Annotation
400.0	400.0	KOP #1
6251.9	6285.1	KOP #2
7015.8	7494.0	End of Build

South(-)/North(+) (1500 ft/in)



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.0	
3	800.5	8.01	296.15	799.2	12.3	-25.1	2.00	296.15	-9.6	
4	3932.6	8.01	296.15	3900.8	204.7	-416.9	0.00	0.00	-159.9	
5	4333.2	0.00	0.00	4300.0	217.0	-442.0	2.00	180.00	-169.5	
6	6285.1	0.00	0.00	6251.9	217.0	-442.0	0.00	0.00	-169.5	
7	7494.0	90.67	180.35	7015.8	-555.9	-446.8	7.50	180.35	599.6	
8	11412.2	90.67	180.35	6970.0	-4473.7	-471.0	0.00	0.00	4498.4	BHL 500'FSL, 1320'FWL