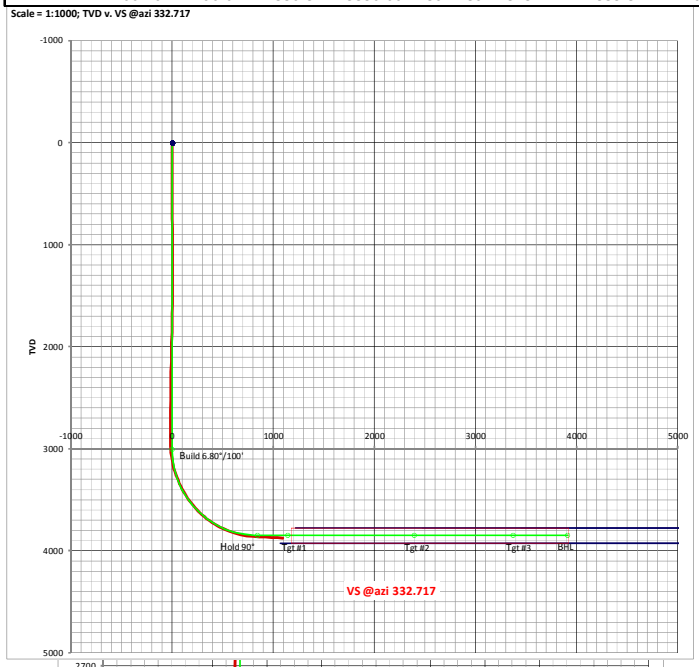
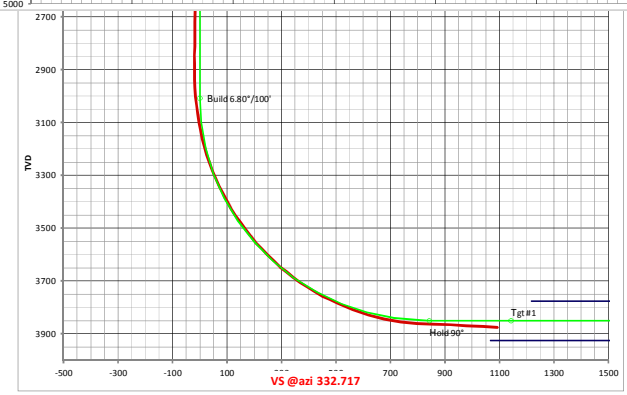
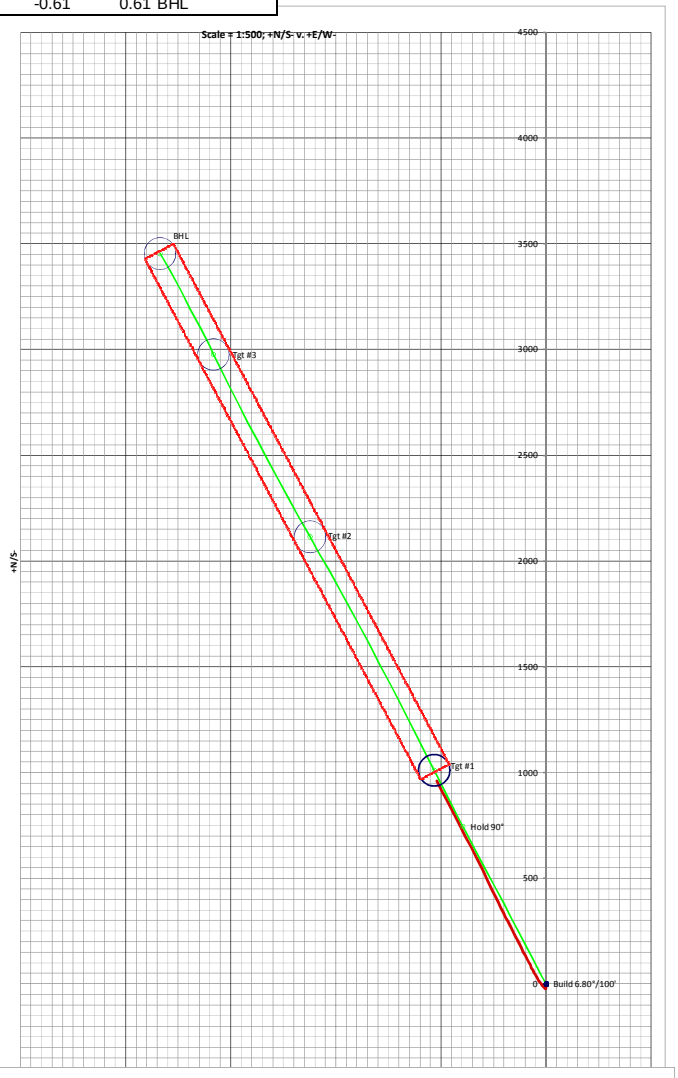
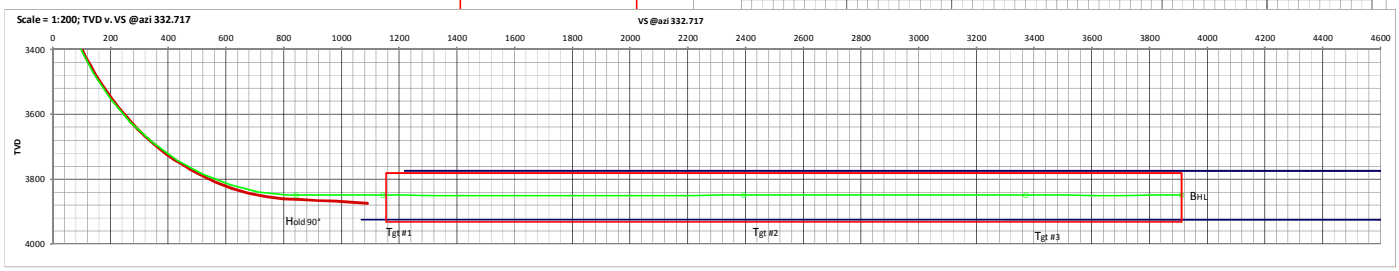
Pine Ridge		Well	Oilfish 24-30	Rig	
JOB #		Northing, ft	1,192,224.955	Latitude	38.360619
DD COMPANY	Native Navigation	Easting, ft	3,098,797.086	Longitude	105.155461
LOCATION	Fremont County, CO	Elevation, ft	5,544.00	TVD Ref	RKB
AFE/API #		Mag Date	11-Nov-2011	Decl., °	8.83
DATE	16-Nov-2011	Field Str, nT	47.228.6	Dip Angle, °	65.30

Vert. Sect, °	332.717
Convergence	0.217297
Scale Factor	1.000019
Map System	St. Plane - NAD83
Map Zone	0502 - Colorado Central

Magnetics	
Mag North, °	8.8333
True North, °	0.0000
Grid North, °	0.2173
Mag Dip, °	65.3000
Mag Str, nT	47.228.6

Targets	Type	TVD	+N/S-	+E/W-	Latitude	Longitude	Northing	Easting
Tgt 1	Radius 75	3850.00	1011.00	-533.00				
Tgt 2	Radius 75	3850.00	2115.00	-1123.00				
Tgt 3	Radius 75	3850.00	2977.00	-1582.00				
BHL	Radius 75	3850.00	3454.10	-1835.80				

Pine Ridge: Oilfish 24-30 Plan

No.	MD	Inc.	Azi.	TVD	VS	+N/S-	+E/W-	BR	WR	DLS	Comments
1	0.00	0.00	332.01	0.00	0.00	0.00	0.00	0.00			Surface
2	3007.40	0.00	332.01	3007.40	0.00	0.00	0.00	0.00	0.00	0.00	Build 6.80°/100'
3	4330.90	90.00	332.01	3849.94	842.54	744.04	-395.45	6.80	0.00	6.80	Hold 90°
4	4631.20	89.98	333.47	3850.00	1142.83	1010.98	-532.99	-0.01	0.49	0.49	Tgt #1
5	5883.10	90.02	330.29	3850.00	2394.44	2114.96	-1122.98	0.00	-0.25	0.25	Tgt #2
6	6859.90	89.98	333.64	3850.00	3371.01	2977.03	-1582.01	0.00	0.34	0.34	Tgt #3
7	7400.40	90.02	330.34	3850.00	3911.39	3454.14	-1835.82	0.01	-0.61	0.61	BHL