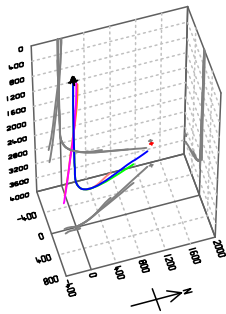


Fram Operating, LLC

Project: Mesa Co., CO
Site: Sec.33-T12S-R97W
Well: Mansur 33-1-G
Wellbore: Wellbore #2-ST
Design: Design #2-ST
Latitude: 38° 57' 51.977 N
Longitude: 108° 14' 32.318 W
Ground Level: 6079.00
WELL @ 6093.00usft (Frontier 4)



PROJECT DETAILS: Mesa Co., CO

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Central Zone
System Datum: Mean Sea Level

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Mansur 33-1-G, True North
Vertical (TVD) Reference: WELL @ 6093.00usft (Frontier 4)
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: WELL @ 6093.00usft (Frontier 4)
Calculation Method: Minimum Curvature

WELL DETAILS: Mansur 33-1-G

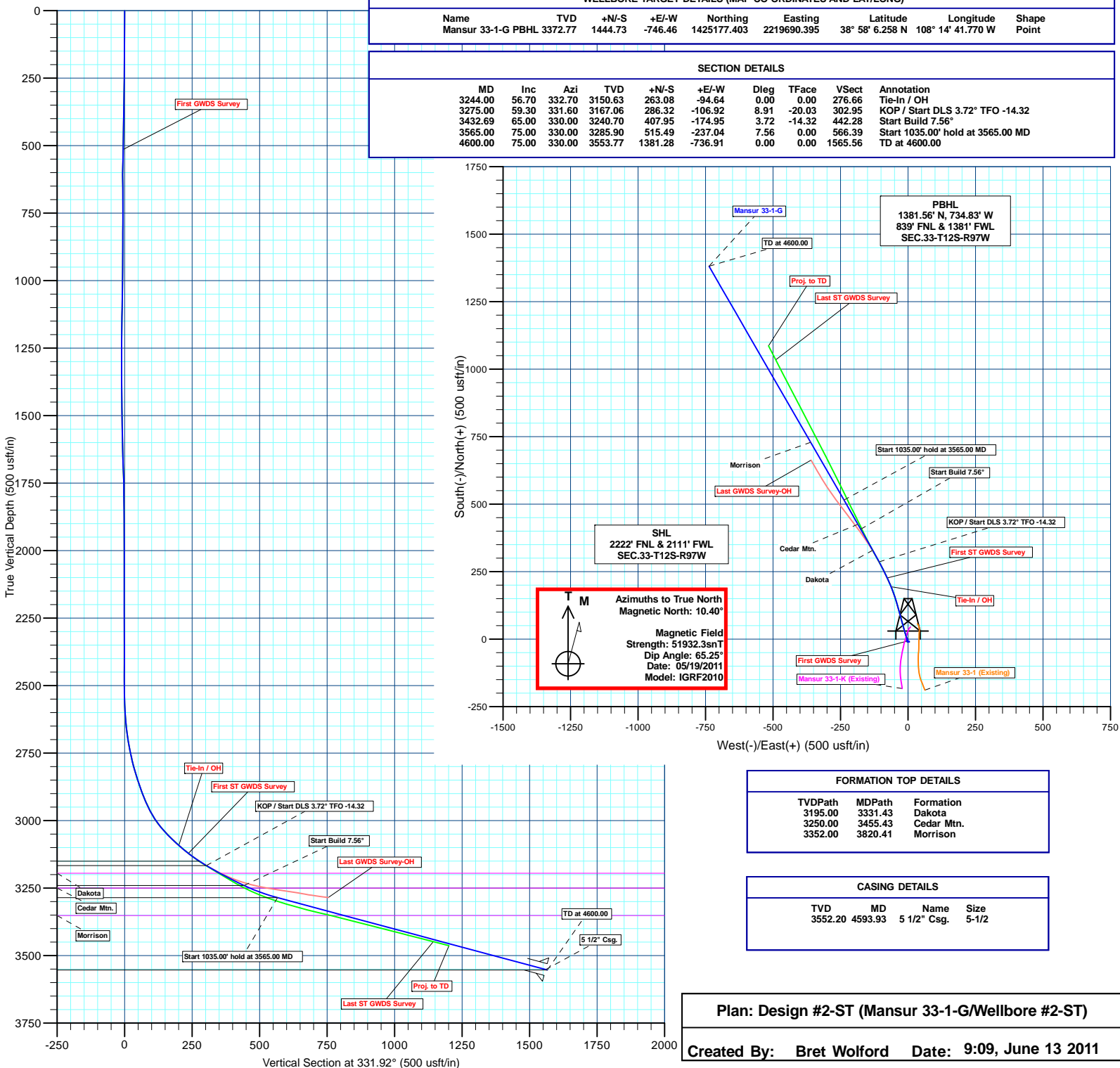
+N/-S	+E/-W	Northing	Easting	Ground Level: 6079.00	Latitude	Longitude	Slot
0.00	0.00	1423710.806	2220392.914		38° 57' 51.977 N	108° 14' 32.318 W	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Mansur 33-1-G PBHL	3372.77	1444.73	-746.46	1425177.403	2219690.395	38° 58' 6.258 N	108° 14' 41.770 W	Point

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet	Annotation
3244.00	56.70	332.70	3150.63	263.08	-94.64	0.00	0.00	276.66	Tie-In / OH
3275.00	59.30	331.60	3167.06	286.32	-106.92	8.91	-20.03	302.95	KOP / Start DLS 3.72° TFO -14.32
3432.69	65.00	330.00	3240.70	407.95	-174.95	3.72	-14.32	442.28	Start Build 7.56°
3565.00	75.00	330.00	3285.90	515.49	-237.04	7.56	0.00	566.39	Start 1035.00' hold at 3565.00 MD
4600.00	75.00	330.00	3553.77	1381.28	-736.91	0.00	0.00	1565.56	TD at 4600.00



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3195.00	3331.43	Dakota
3250.00	3455.43	Cedar Mtn.
3352.00	3820.41	Morrison

CASING DETAILS

TVD	MD	Name	Size
3552.20	4593.93	5 1/2\" Csg.	5-1/2

Plan: Design #2-ST (Mansur 33-1-G/Wellbore #2-ST)

Created By: Bret Wolford Date: 9:09, June 13 2011