



Project: Mesa County, CO
Site: N Vega 28-11
Well: Piceance 28-11W
Wellbore: Wellbore #1
Design: Design #2
Latitude: 39° 14' 52.133 N
Longitude: 107° 46' 41.130 W
Ground Level: 7580.00
WELL @ 7602.00usft (Original Well Elev)

Archer

PROJECT DETAILS: Mesa County, 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 Piceance 28-11W, True North
Vertical (TVD) Reference: WELL @ 7602.00usft (Original Well Elev)
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: WELL @ 7602.00usft (Original Well Elev)
Calculation Method: Minimum Curvature

WELL DETAILS: Piceance 28-11W

+N/-S	+E/-W	Northing	Ground Level:	7580.00	Latitude	Longitude	Slot
0.00	0.00	1523239.422	Easting	2354922.280	39° 14' 52.133 N	107° 46' 41.130 W	

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

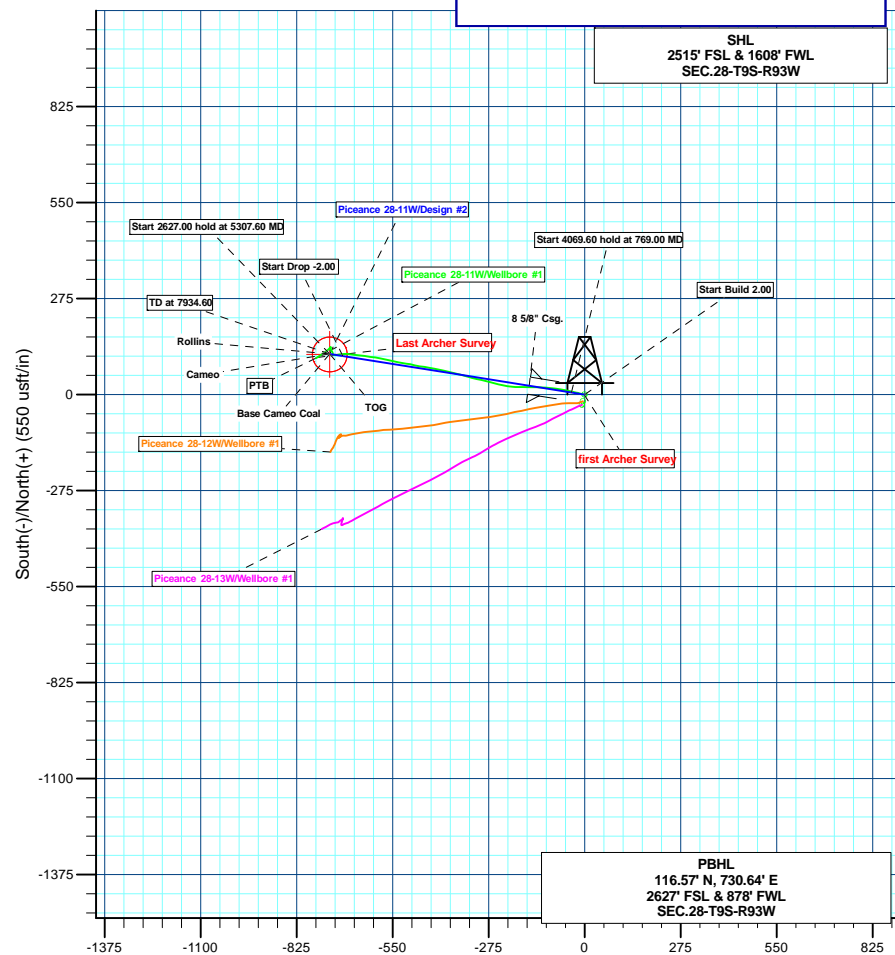
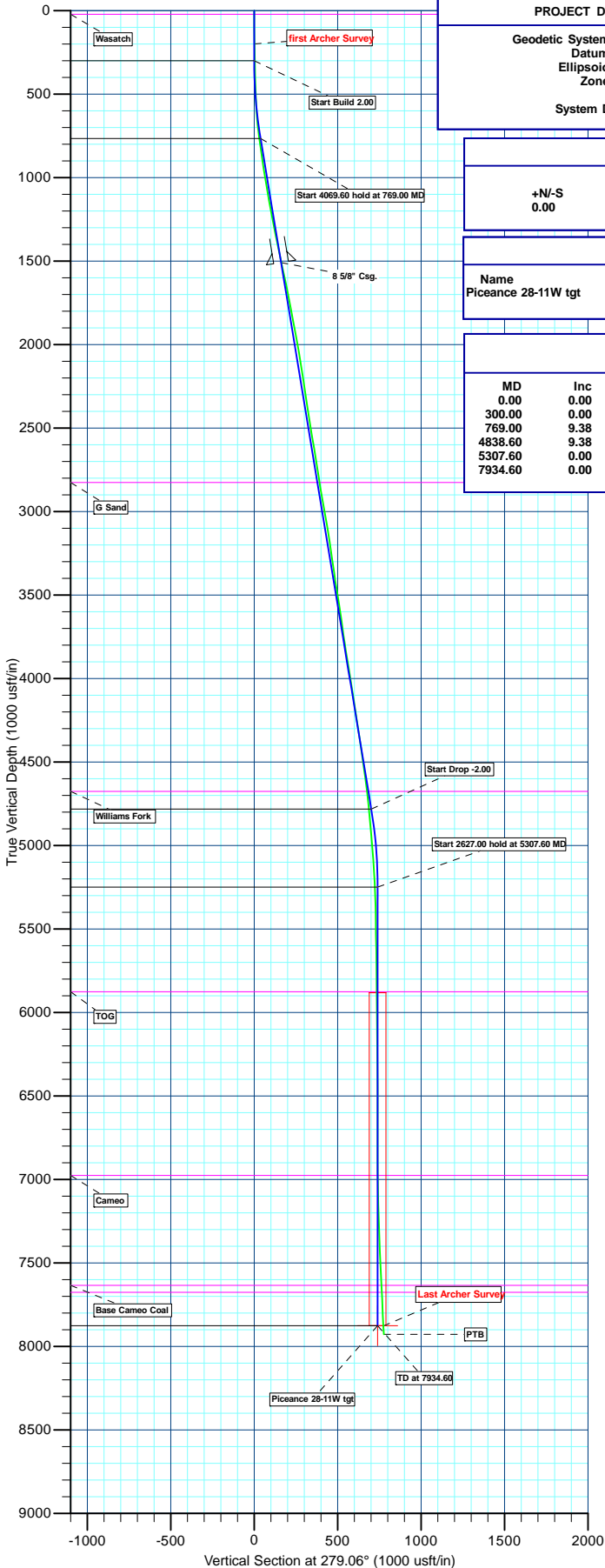
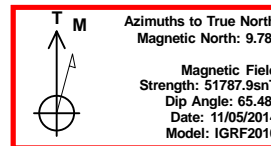
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Piceance 28-11W tgt	7876.00	114.84	-730.18	1523372.538	2354195.211	39° 14' 53.268 N	107° 46' 50.412 W	Circle (Radius: 50.00)

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VFace	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	Start Build 2.00
769.00	9.38	279.06	766.91	6.03	-37.83	2.00	279.06	38.31	Start 4069.60 hold at 769.00 MD
4838.60	9.38	279.06	4782.09	110.53	-692.81	0.00	0.00	701.58	Start Drop -2.00
5307.60	0.00	0.00	5249.00	116.57	-730.64	2.00	180.00	739.88	Start 2627.00 hold at 5307.60 MD
7934.60	0.00	0.00	7876.00	116.57	-730.64	0.00	0.00	739.88	TD at 7934.60

FORMATION TOP DETAILS

TVDPATH	MDPATH	Formation
22.00	22.00	Wasatch
2826.00	2856.00	G Sand
4676.00	4731.07	Williams Fork
5876.00	5934.60	TOG
6976.00	7034.60	Cameo
7634.00	7692.60	Base Cameo Coal
7676.00	7734.60	Rollins



Plan: Design #2 (Piceance 28-11W/Wellbore #1)

Created By: Ricky Osburn Date: 8:10, March 25 2015