



Project: Weld County, CO
Site: Sec 8-T10N-R58W
Well: Razor #08E-1704
Wellbore: Hz
Design: APD Pilot Hole

PROJECT DETAILS: Weld County, CO
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone
System Datum: Mean Sea Level



Azimuths to True North
Magnetic North: 7.92°

Magnetic Field
Strength: 53060.7nT
Dip Angle: 67.42°
Date: 3/4/2015
Model: IGRF2010

WELL DETAILS: Razor #08E-1704

				Ground Level: 4962.00				Slot
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude			
0.00	0.00	1557972.28	3443490.93	40° 51' 14.420 N	103° 53' 48.510 W			

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
3	612.50	6.25	82.00	611.88	2.37	16.86	2.00	82.00	17.03	
4	4787.50	6.25	82.00	4762.07	65.63	466.96	0.00	0.00	471.55	
5	5100.00	0.00	0.00	5073.95	68.00	483.82	2.00	180.00	488.57	
6	6180.00	0.00	0.00	6153.95	68.00	483.82	0.00	0.00	488.57	

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1550.00	1556.23	Upper Pierre
3500.00	3517.89	Hygiene
3650.00	3668.78	Lower Pierre
5456.00	5482.05	P200 Marker
5477.00	5503.05	P300 Marker
5498.00	5524.05	P350 Marker
5505.00	5531.05	Sharon Springs
5790.00	5816.05	Niobrara
5817.00	5843.05	Top A Chalk (N100)
5850.00	5876.05	Top A Marl (N200)
5884.00	5910.05	A Marl (N250)
5898.00	5924.05	Top Upper B (N400)
5926.00	5952.05	Base Upper B (N430)
5943.00	5969.05	Top Lower B (N460)

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Departure	Annotation
300.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	Build 2°/100'
611.88	612.50	6.25	82.00	2.37	16.86	17.03	17.03	Hold 6.25° Inc
4762.07	4787.50	6.25	82.00	65.63	466.96	471.55	471.55	Drop 2°/100'
5073.95	5100.00	0.00	0.00	68.00	483.82	488.57	488.57	Hold Vertical
6153.95	6180.00	0.00	0.00	68.00	483.82	488.57	488.57	TD at 6180.00' MD

SHL:
2242' FNL, 769' FWL
Sec8-T10N-R58W

BHL:
2174' FNL, 1252' FWL
Sec8-T10N-R58W

West(-)/East(+) (200 usft/in)

