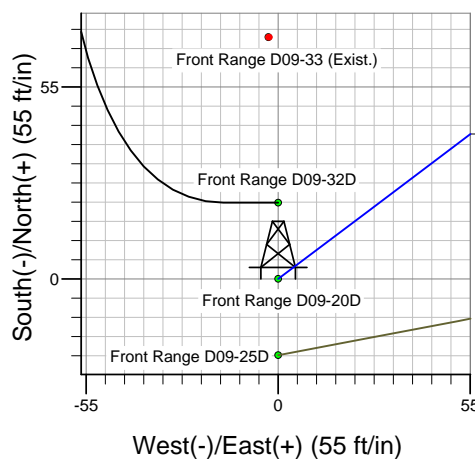
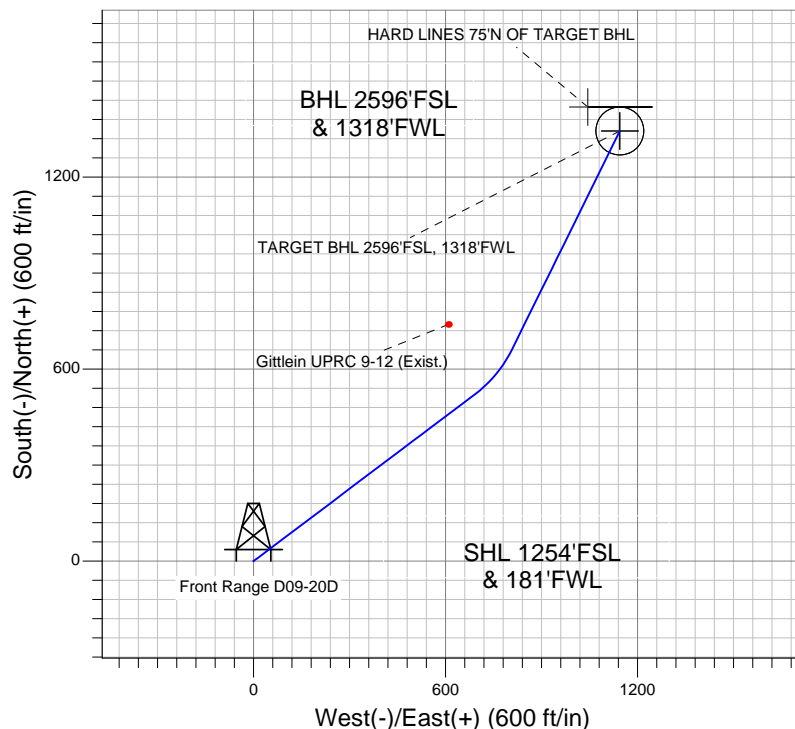
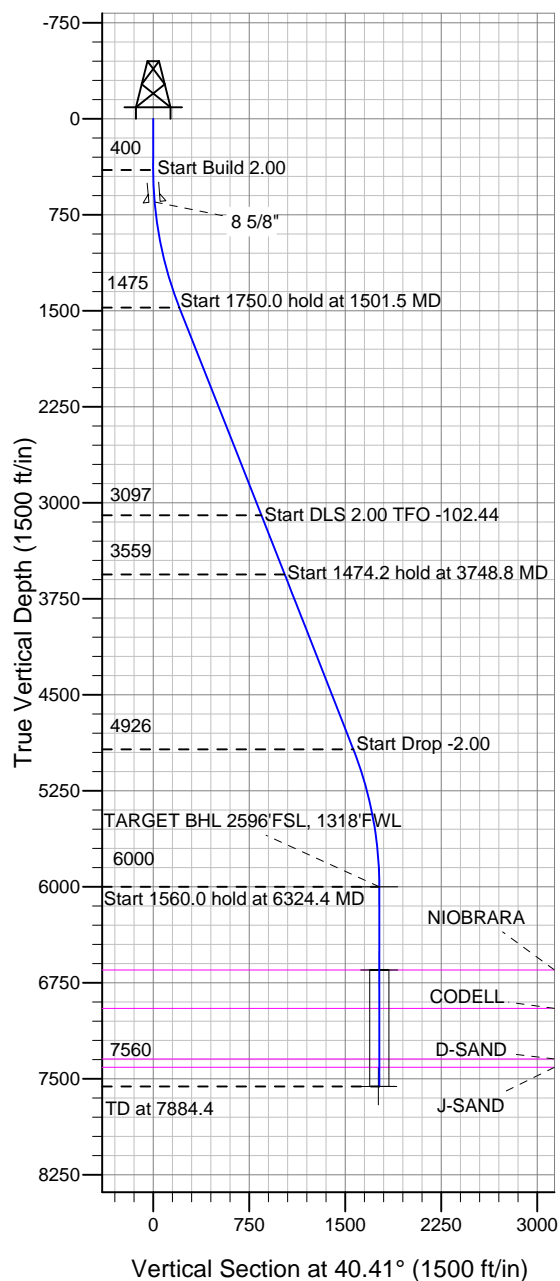


Well Name: Front Range D09-20D

Surface Location: Front Range D09-25D Pad Sec.9-T3N-R64W
North American Datum 1983, US State Plane 1983 Colorado Northern Zone
Ground Elevation: 4737.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1330236.94	3261065.33	40.236120	-104.564880	
Original Well Elev WELL @ 4750.0ft (Original Well Elev)						

NOBLE ENERGY INC WELD COUNTY CO



Front Range D09-25D Pad Sec.9-T3N-R64W
Front Range D09-20D
Noble Front Range D09-20D Plan #1 (2-06-12)
13:49, February 08 2012



Azimuths to True North
Magnetic North: 8.66°
Magnetic Field
Strength: 52999.4snT
Dip Angle: 66.93°
Date: 2/6/2012
Model: IGRF2010

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
TARGET BHL 2596'FSL, 1318'FWL	6000.0	1344.3	1144.6	40.239810	-104.560780	Point
TARGET CIRCLE 2596'FSL & 1318'FWL	6650.0	1344.3	1144.6	40.239810	-104.560780	Circle (Radius: 75.0)
HARD LINES 75'N OF TARGET BHL	7560.0	1419.3	1044.6	40.240016	-104.561138	Polygon

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	1501.5	22.03	53.00	1474.6	125.9	167.0	2.00	53.00	204.1	
4	3251.5	22.03	53.00	3096.8	520.9	691.3	0.00	0.00	844.8	
5	3748.8	22.03	26.27	3559.0	661.0	807.3	2.00	-102.44	1026.7	
6	5223.0	22.03	26.27	4925.6	1156.8	1052.1	0.00	0.00	1562.8	
7	6324.4	0.00	0.00	6000.0	1344.3	1144.6	2.00	180.00	1765.6	TARGET BHL 2596'FSL, 1318'FWL
8	7884.4	0.00	0.00	7560.0	1344.3	1144.6	0.00	0.00	1765.6	