



Project: WELD COUNTY, CO  
 Site: Burroughs South Pad  
 Well: Burroughs South 11  
 Wellbore: Burroughs South 11  
 Design: Burroughs South 11  
 Latitude: 40° 34' 27.390 N  
 Longitude: 104° 37' 15.949 W  
 GL: 4944.00  
 KB: New KB @ 4972.00ft (Cyclone 37)



#### WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL Burroughs South 11	6991.00	466.52	-9956.54	1453627.31	3234189.66	40° 34' 31.980 N	104° 39' 24.980 W

#### WELL DETAILS: Burroughs South 11

+N/-S	+E/-W	Northing	Ground Level:	4944.00	Longitude	Slot
0.00	0.00	1453259.49	Easting	3244150.32	40° 34' 27.390 N	104° 37' 15.949 W

#### SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSECT	Annotation
17.00	0.00	0.00	17.00	0.00	0.00	0.00	0.00	0.00	
417.00	0.00	0.00	417.00	0.00	0.00	0.00	0.00	0.00	Start Build 2.00
591.52	3.49	72.06	591.41	1.64	5.06	2.00	72.06	-4.97	Start 5804.72 hold at 574.52 MD
6396.24	3.49	72.06	6385.37	110.49	341.26	0.00	0.00	-335.72	Start DLS 10.00 TFO -160.08
7329.07	90.00	271.91	6991.00	142.09	-230.02	10.00	-160.12	236.42	Start 9732.16 hold at 7312.06 MD
17061.00	90.00	271.91	6991.00	466.52	-9956.54	0.00	0.00	9967.46	TD at 17044.22

Azimuths to True North  
 Magnetic North: 8.21°

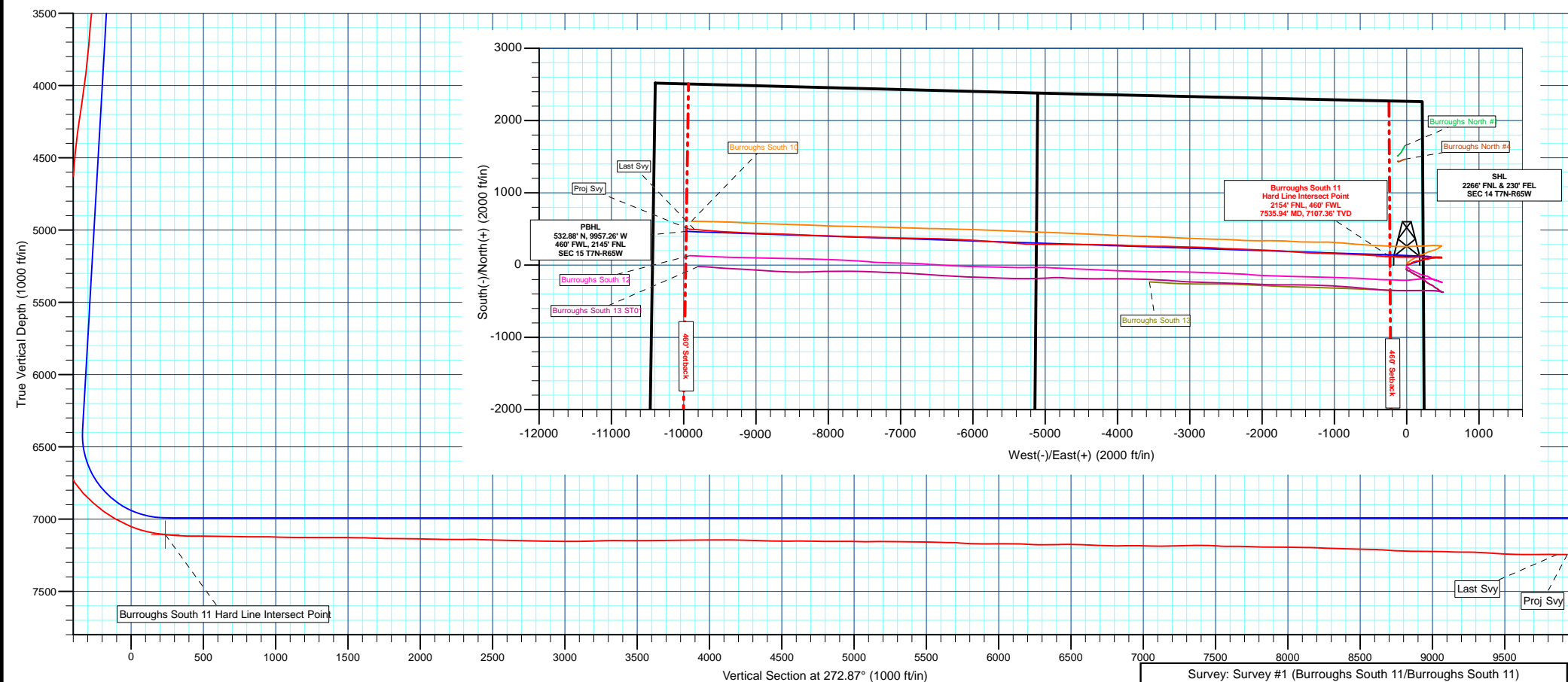
Magnetic Field  
 Strength: 52561.0snT  
 Dip Angle: 67.03°  
 Date: 11/23/2016  
 Model: IGRF2015

#### 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

#### CASING DETAILS

TVD	MD	Name	Size
6991.00	7329.09		7"



Survey: Survey #1 (Burroughs South 11/Burroughs South 11)

Created By: TRACY WILLIAMS Date: 9:40, March 28 2017