

# **US ROCKIES REGION PLANNING**

**COLORADO NORTHERN ZONE - 83**

**WELD\_Lee 2-6 pad**

**Lee 25-6**

**Lee 25-6**

**Plan: Lee 25-6 (wp01)**

## **Standard Planning Report**

**04 January, 2011**



Project: COLORADO NORTHERN ZONE - 83  
 Site: WELD\_Lee 2-6 pad  
 Well: Lee 25-6  
 Wellbore: Lee 25-6  
 Section:  
 SHL:  
 Design: Lee 25-6 (wp01)  
 Latitude: 40.172913  
 Longitude: -104.703937  
 GL: 4962.00  
 KB: WELL @ 4962.00ft (Original Well Elev)

# FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4162.00	4437.66	PX
4537.00	4846.16	SX
7040.00	7403.95	NIO
7322.00	7685.95	CD
7408.00	7771.95	GH
7778.00	8141.95	J



**Weatherford**

## WELL DETAILS: Lee 25-6

+N/-S	+E/-W	Northing	Ground Level: Easting	4962.00 Latitude	Longitude	Slot
0.00	0.00	1306833.61	3222451.45	40.172913	-104.703937	

## CASING DETAILS

TVD	MD	Name	Size
800.00	802.57	8 5/8"	8-5/8

## DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Lee 25-6 BHL	7927.00	-1822.80	-600.85	1305005.48	3221866.99	40.167909	-104.706087	Point

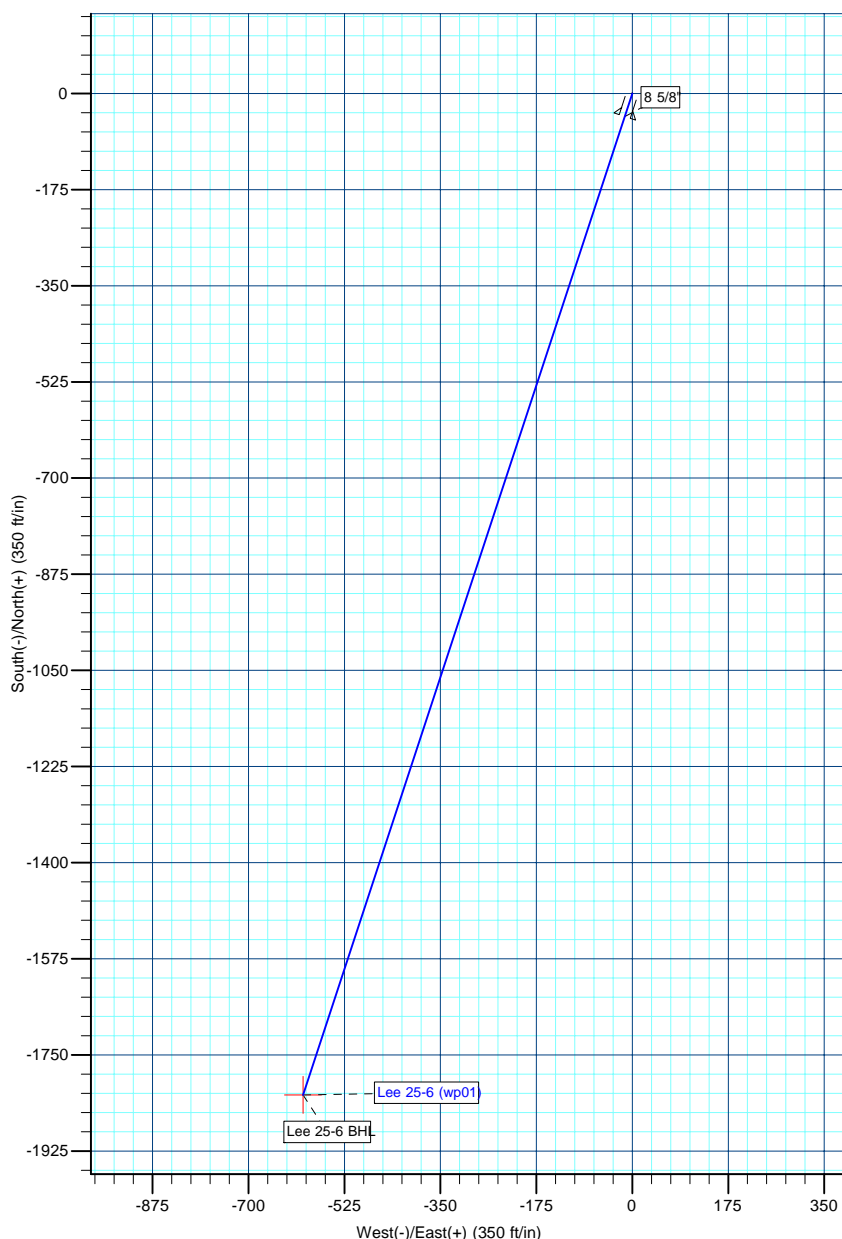
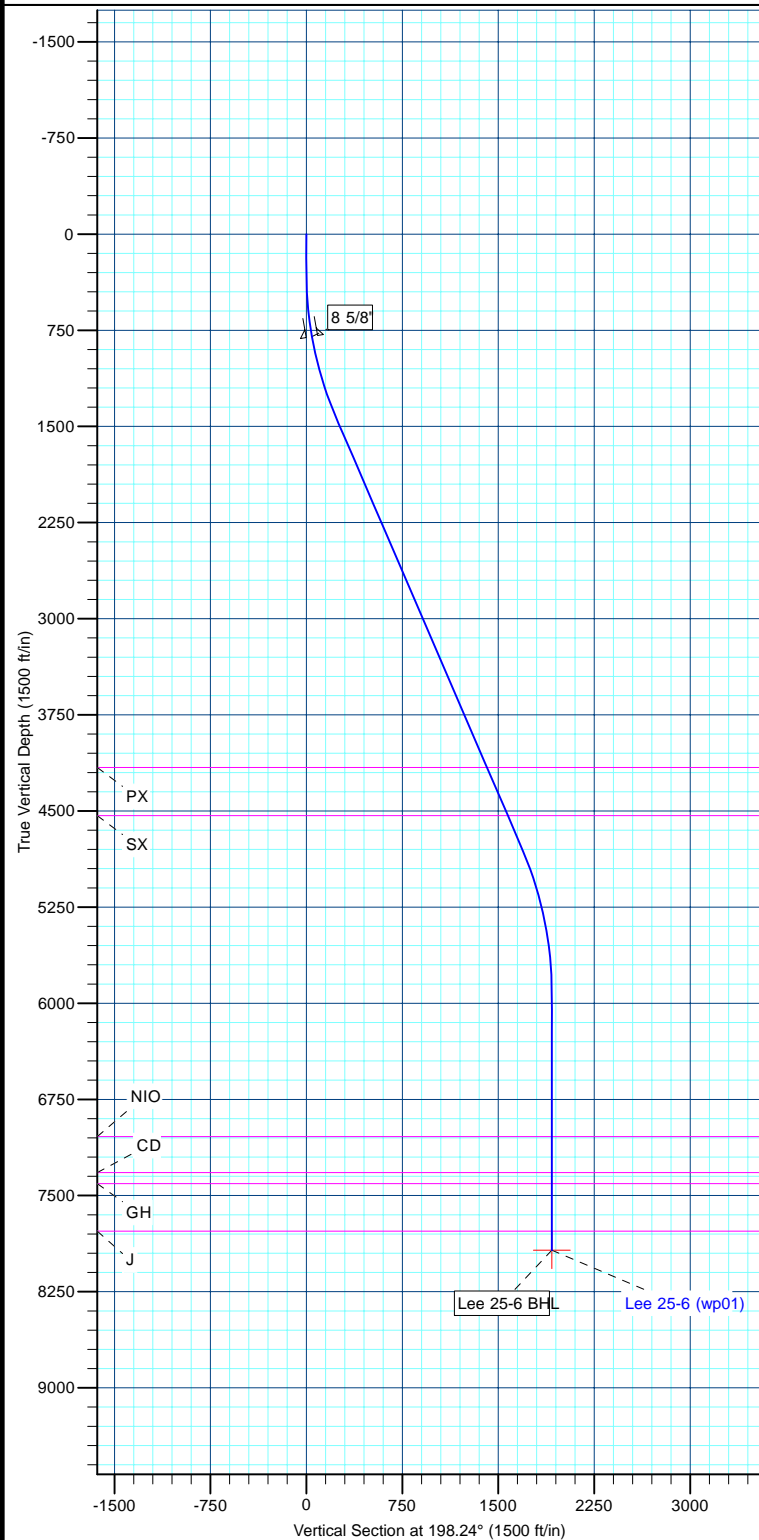


Azimuths to True North  
 Magnetic North: 8.87°

Magnetic Field  
 Strength: 53064.7snT  
 Dip Angle: 66.89°  
 Date: 1/3/2011  
 Model: IGRF2010

## SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
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	
1468.36	23.37	198.24	1436.24	-223.15	-73.56	2.00	198.24	234.96	
5122.60	23.37	198.24	4790.76	-1599.65	-527.29	0.00	0.00	1684.31	
6290.95	0.00	0.00	5927.00	-1822.80	-600.85	2.00	180.00	1919.28	
8290.95	0.00	0.00	7927.00	-1822.80	-600.85	0.00	0.00	1919.28	Lee 25-6 BHL



<b>Database:</b>	edm5000p	<b>Local Co-ordinate Reference:</b>	Well Lee 25-6
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	WELL @ 4962.00ft (Original Well Elev)
<b>Project:</b>	COLORADO NORTHERN ZONE - 83	<b>MD Reference:</b>	WELL @ 4962.00ft (Original Well Elev)
<b>Site:</b>	WELD_Lee 2-6 pad	<b>North Reference:</b>	True
<b>Well:</b>	Lee 25-6	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Lee 25-6		
<b>Design:</b>	Lee 25-6 (wp01)		

<b>Project</b>	COLORADO NORTHERN ZONE - 83		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Northern Zone		

Site		WELD_Lee 2-6 pad			
Site Position:		Northing:	1,306,833.80 ft	Latitude:	40.172913
From:	Lat/Long	Easting:	3,222,467.38 ft	Longitude:	-104.703880
Position Uncertainty:	0.00 ft	Slot Radius:	0 "	Grid Convergence:	0.51

Well	Lee 25-6					
Well Position	+N-S	-0.05 ft	Northing:	1,306,833.60 ft	Latitude:	40.172913
	+E-W	-15.93 ft	Easting:	3,222,451.46 ft	Longitude:	-104.703937
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	4,962.00 ft

<b>Wellbore</b>	Lee 25-6				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	1/3/2011	8.87	66.89	53,065

<b>Design</b>	Lee 25-6 (wp01)			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	198.24

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	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	0.00	
1,468.36	23.37	198.24	1,436.24	-223.15	-73.56	2.00	2.00	0.00	198.24	
5,122.60	23.37	198.24	4,790.76	-1,599.65	-527.29	0.00	0.00	0.00	0.00	
6,290.95	0.00	0.00	5,927.00	-1,822.80	-600.85	2.00	-2.00	0.00	180.00	
8,290.95	0.00	0.00	7,927.00	-1,822.80	-600.85	0.00	0.00	0.00	0.00	Lee 25-6 BHL

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<b>Project:</b>	COLORADO NORTHERN ZONE - 83	<b>MD Reference:</b>	WELL @ 4962.00ft (Original Well Elev)
<b>Site:</b>	WELD_Lee 2-6 pad	<b>North Reference:</b>	True
<b>Well:</b>	Lee 25-6	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Lee 25-6		
<b>Design:</b>	Lee 25-6 (wp01)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	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	0.00
802.57	10.05	198.24	800.00	-41.76	-13.77	43.97	2.00	2.00	0.00
8 5/8"									
1,468.36	23.37	198.24	1,436.24	-223.15	-73.56	234.96	2.00	2.00	0.00
4,437.66	23.37	198.24	4,162.00	-1,341.64	-442.24	1,412.65	0.00	0.00	0.00
PX									
4,846.16	23.37	198.24	4,537.00	-1,495.52	-492.97	1,574.67	0.00	0.00	0.00
SX									
5,122.60	23.37	198.24	4,790.76	-1,599.65	-527.29	1,684.31	0.00	0.00	0.00
6,290.95	0.00	0.00	5,927.00	-1,822.80	-600.85	1,919.28	2.00	-2.00	0.00
7,403.95	0.00	0.00	7,040.00	-1,822.80	-600.85	1,919.28	0.00	0.00	0.00
NIO									
7,685.95	0.00	0.00	7,322.00	-1,822.80	-600.85	1,919.28	0.00	0.00	0.00
CD									
7,771.95	0.00	0.00	7,408.00	-1,822.80	-600.85	1,919.28	0.00	0.00	0.00
GH									
8,141.95	0.00	0.00	7,778.00	-1,822.80	-600.85	1,919.28	0.00	0.00	0.00
J									
8,290.95	0.00	0.00	7,927.00	-1,822.80	-600.85	1,919.28	0.00	0.00	0.00
Lee 25-6 BHL									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
Lee 25-6 BHL	0.00	0.00	7,927.00	-1,822.80	-600.85	1,305,005.48	3,221,867.00	40.167909	-104.706087
- plan hits target center									
- Point									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
802.57	800.00	8 5/8"	8-5/8	11	

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,437.66	4,162.00	PX			
4,846.16	4,537.00	SX			
7,403.95	7,040.00	NIO			
7,685.95	7,322.00	CD			
7,771.95	7,408.00	GH			
8,141.95	7,778.00	J			

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