

US ROCKIES REGION PLANNING

COLORADO NORTHERN ZONE - 83

WELD_Lee 2-6 pad

Lee 28-6

Lee 28-6

Plan: Lee 28-6 (wp01)

Standard Planning Report

04 January, 2011



Project: COLORADO NORTHERN ZONE - 83
 Site: WELD_Lee 2-6 pad
 Well: Lee 28-6
 Wellbore: Lee 28-6
 Section:
 SHL:
 Design: Lee 28-6 (wp01)
 Latitude: 40.172914
 Longitude: -104.704051
 GL: 4962.00
 KB: WELL @ 4962.00ft (Original Well Elev)

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4162.00	4246.84	PK
4537.00	4629.79	SX
7040.00	7134.01	NIO
7322.00	7416.01	CD
7408.00	7502.01	GH
7778.00	7872.01	J



Weatherford®

WELL DETAILS: Lee 28-6

+N/-S	+E/-W	Northing	Ground Level: Easting	4962.00 Latitude	Longitude	Slot
0.00	0.00	1306833.73	3222419.60	40.172914	-104.704051	

CASING DETAILS

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

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Lee 28-6	800.00	596.71	-561.67	1307425.37	3221852.59	40.174552	-104.706061	Point

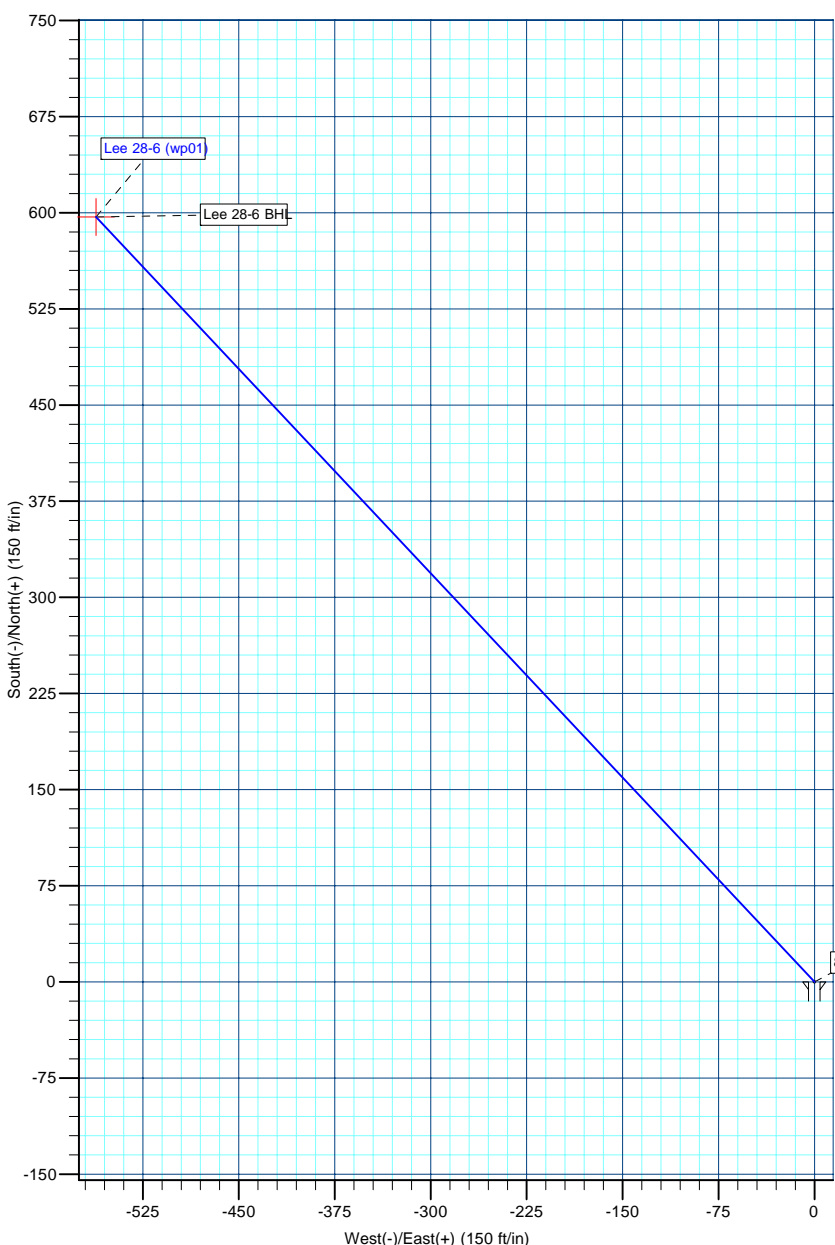
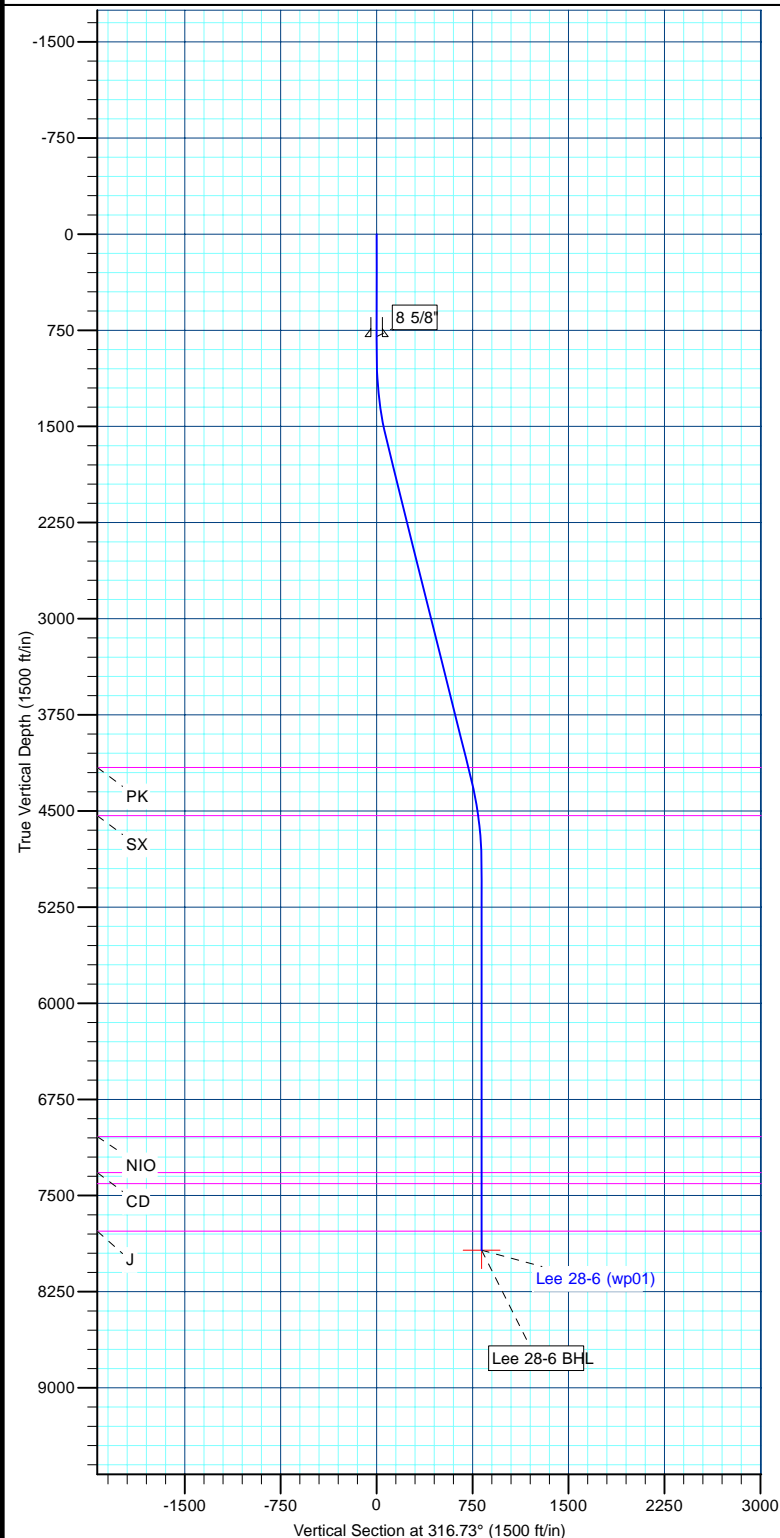


Azimuths to True North
 Magnetic North: 8.87°

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	Vsect	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
950.00	0.00	0.00	950.00	0.00	0.00	0.00	0.00	0.00	
1653.44	14.07	316.73	1646.39	62.57	-58.90	2.00	316.73	85.93	
4317.57	14.07	316.73	4230.61	534.14	-502.77	0.00	0.00	733.54	
5021.01	0.00	0.00	4927.00	596.71	-561.67	2.00	180.00	819.47	
8021.01	0.00	0.00	7927.00	596.71	-561.67	0.00	0.00	819.47	Lee 28-6 BHL



Database:	edm5000p	Local Co-ordinate Reference:	Well Lee 28-6
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 4962.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 4962.00ft (Original Well Elev)
Site:	WELD_Lee 2-6 pad	North Reference:	True
Well:	Lee 28-6	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lee 28-6		
Design:	Lee 28-6 (wp01)		

Project	COLORADO NORTHERN ZONE - 83		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	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 28-6					
Well Position	+N-S	0.35 ft	Northing:	1,306,833.72 ft	Latitude:	40.172914
	+E-W	-47.78 ft	Easting:	3,222,419.60 ft	Longitude:	-104.704051
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	4,962.00 ft

Wellbore	Lee 28-6				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/3/2011	8.87	66.89	53,065

Design	Lee 28-6 (wp01)			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	316.73

Plan Sections										
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	
950.00	0.00	0.00	950.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,653.44	14.07	316.73	1,646.39	62.57	-58.90	2.00	2.00	0.00	316.73	
4,317.57	14.07	316.73	4,230.61	534.14	-502.77	0.00	0.00	0.00	0.00	
5,021.01	0.00	0.00	4,927.00	596.71	-561.67	2.00	-2.00	0.00	180.00	
8,021.01	0.00	0.00	7,927.00	596.71	-561.67	0.00	0.00	0.00	0.00	Lee 28-6 BHL

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Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 4962.00ft (Original Well Elev)
Site:	WELD_Lee 2-6 pad	North Reference:	True
Well:	Lee 28-6	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lee 28-6		
Design:	Lee 28-6 (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
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
8 5/8"									
950.00	0.00	0.00	950.00	0.00	0.00	0.00	0.00	0.00	0.00
1,653.44	14.07	316.73	1,646.39	62.57	-58.90	85.93	2.00	2.00	0.00
4,246.84	14.07	316.73	4,162.00	521.62	-490.99	716.35	0.00	0.00	0.00
PK									
4,317.57	14.07	316.73	4,230.61	534.14	-502.77	733.54	0.00	0.00	0.00
4,629.79	7.82	316.73	4,537.00	577.29	-543.39	792.80	2.00	-2.00	0.00
SX									
5,021.01	0.00	0.00	4,927.00	596.71	-561.67	819.47	2.00	-2.00	0.00
7,134.01	0.00	0.00	7,040.00	596.71	-561.67	819.47	0.00	0.00	0.00
NIO									
7,416.01	0.00	0.00	7,322.00	596.71	-561.67	819.47	0.00	0.00	0.00
CD									
7,502.01	0.00	0.00	7,408.00	596.71	-561.67	819.47	0.00	0.00	0.00
GH									
7,872.01	0.00	0.00	7,778.00	596.71	-561.67	819.47	0.00	0.00	0.00
J									
8,021.01	0.00	0.00	7,927.00	596.71	-561.67	819.47	0.00	0.00	0.00
Lee 28-6 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 28-6 BHL	0.00	0.00	7,927.00	596.71	-561.67	1,307,425.37	3,221,852.60	40.174552	-104.706061
- plan hits target center									
- Point									

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

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,246.84	4,162.00	PK				
4,629.79	4,537.00	SX				
7,134.01	7,040.00	NIO				
7,416.01	7,322.00	CD				
7,502.01	7,408.00	GH				
7,872.01	7,778.00	J				

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Wellbore:	Lee 28-6		
Design:	Lee 28-6 (wp01)		