

PETROLEUM DEVELOPMENT CORP DJ Basin

Well Name: **Geib 26V-304**

Surface Location: Geib 5N65W26V Pad Sec.26-T5N-R65W
North American Datum 1983 , US State Plane 1983, Colorado Northern Zone
Ground Elevation: 4641.0
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.0 0.0 1380349.51 3244496.00 40.374140 -104.622450
RKB - 23' WELL @ 4664.0ft (RKB - 23')

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 1208'FNL & 400'FEL, Sec.26	1.0	0.0	0.0	Point
BHL 1336'FNL & 50'FWL, Sec.27	6905.0	-96.3	-10094.8	Point
LPL 1304'FNL & 816'FEL, Sec.26	6930.3	-96.3	-415.9	Point



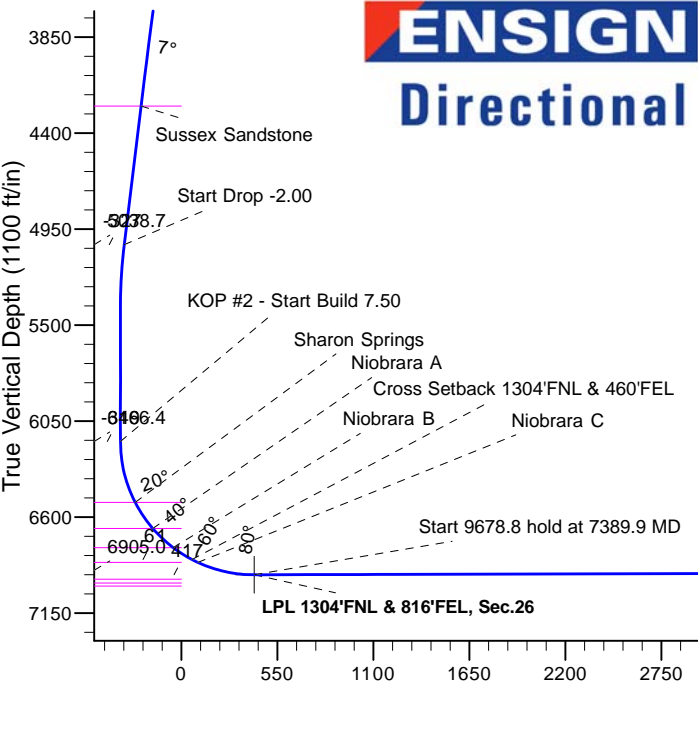
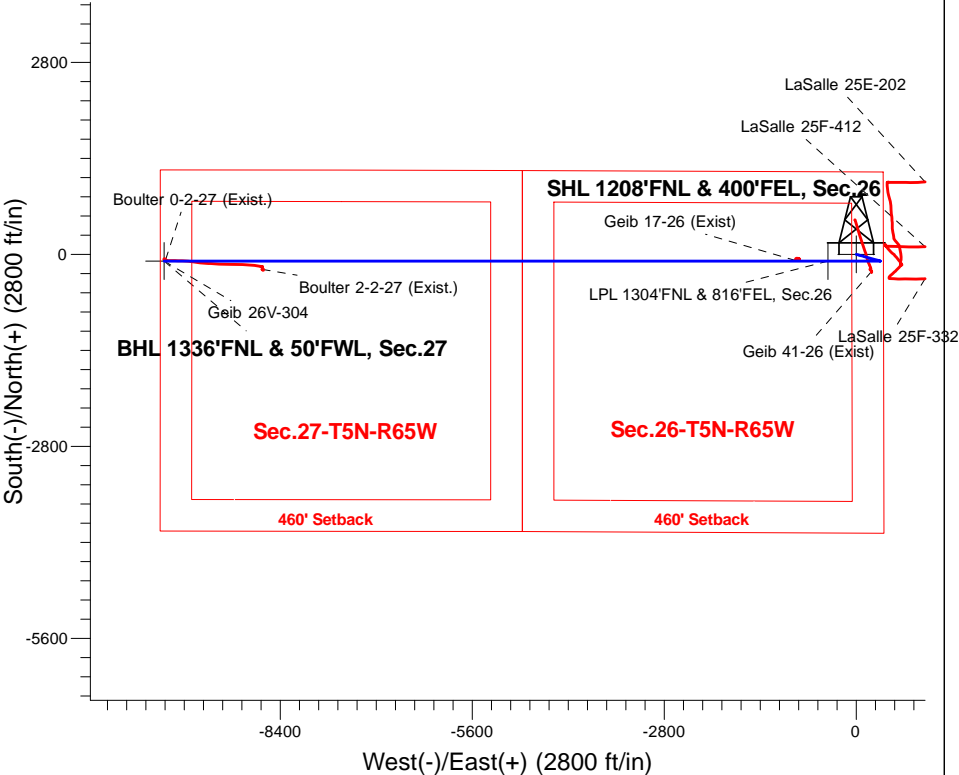
Azimuths to True North
Magnetic North: 8.07°

Magnetic Field
Strength: 52572.4snT
Dip Angle: 66.87°
Date: 10/13/2016
Model: IGRF2010

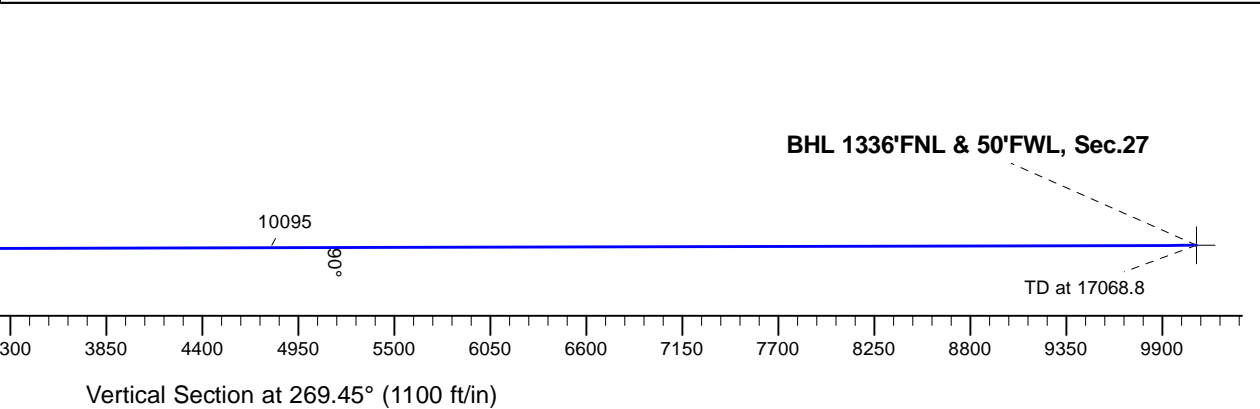
Geib 5N65W26V Pad Sec.26-T5N-R65W
Geib 26V-304
Plan #1 (10-13-16)
16:42, November 01 2016

ANNOTATIONS

TVD	MD	Annotation
2000.0	2000.0	KOP - Start Build 1.00
5038.8	5059.3	Start Drop -2.00
6166.4	6187.9	KOP #2 - Start Build 7.50
6843.4	7019.9	Cross Setback 1304'FNL & 460'FEL
6930.3	7389.9	Start 9678.8 hold at 7389.9 MD
6905.0	17068.8	TD at 17068.8



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2000.0	0.00	0.00	2000.0	0.0	0.0	0.00	0.00	0.0	
3	2724.4	7.24	105.38	2722.4	-12.1	44.1	1.00	105.38	-44.0	
4	5059.3	7.24	105.38	5038.8	-90.2	328.0	0.00	0.00	-327.1	
5	5421.5	0.00	0.00	5400.0	-96.3	350.0	2.00	180.00	-349.1	
6	6187.9	0.00	0.00	6166.4	-96.3	350.0	0.00	0.00	-349.1	
7	7389.9	90.15	270.00	6930.3	-96.3	-415.9	7.50	270.00	416.8	
8	17068.8	90.15	270.00	6905.0	-96.3	-10094.8	0.00	0.00	10095.2	BHL 1336'FNL & 50'FWL, Sec.27



PETROLEUM DEVELOPMENT CORP DJ Basin

SEC.26-T5N-R65W

Geib 5N65W26V Pad Sec.26-T5N-R65W

Geib 26V-304

Wellbore #1

Plan #1 (10-13-16)

Anticollision Report

01 November, 2016

Company:	PETROLEUM DEVELOPMENT CORP DJ Basin	Local Co-ordinate Reference:	Well Geib 26V-304
Project:	SEC.26-T5N-R65W	TVD Reference:	WELL @ 4664.0ft (RKB - 23')
Reference Site:	Geib 5N65W26V Pad Sec.26-T5N-R65W	MD Reference:	WELL @ 4664.0ft (RKB - 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Geib 26V-304	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.45 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #1 (10-13-16)	Offset TVD Reference:	Offset Datum

Reference	Plan #1 (10-13-16)		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0ft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,200.0 ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.45 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	11/1/2016		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	17,068.8	Plan #1 (10-13-16) (Wellbore #1)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Existing Wells (GRID) Sec.26-T5N-R65W						
Boulter 0-2-27 (Exist.) - Wellbore #1 - Wellbore #1	17,053.4	7,123.1	27.6	-361.5	0.071	Level 1, CC, ES, SF
Boulter 2-2-27 (Exist.) - Wellbore #1 - Wellbore #1	15,637.8	6,916.3	125.5	-194.1	0.393	Level 1, CC, ES, SF
Geib 17-26 (Exist.) - Wellbore #1 - Wellbore #1	7,862.2	6,909.2	19.8	-36.8	0.350	Level 1, CC, ES, SF
Existing Wells Sec.26-T5N-R65W						
Geib 41-26 (Exist.) - Wellbore #1 - Wellbore #1	2,697.9	2,749.5	109.8	89.7	5.455	CC, ES
Geib 41-26 (Exist.) - Wellbore #1 - Wellbore #1	6,646.9	6,683.9	137.7	100.6	3.716	SF
Geib 5N65W26V Pad Sec.26-T5N-R65W						
Geib 26U-134 - Wellbore #1 - Plan #1 (10-13-16)	1,200.0	1,200.0	43.7	37.4	6.903	CC, ES
Geib 26U-134 - Wellbore #1 - Plan #1 (10-13-16)	17,068.8	16,928.6	884.1	193.5	1.280	Level 3, SF
Geib 26U-304 - Wellbore #1 - Plan #1 (10-13-16)	1,000.0	1,000.0	58.3	53.1	11.142	CC, ES
Geib 26U-304 - Wellbore #1 - Plan #1 (10-13-16)	17,068.8	17,168.8	1,143.9	438.6	1.622	SF
Geib 26V-214 - Wellbore #1 - Plan #1 (10-13-16)	1,600.0	1,600.0	14.6	6.0	1.707	CC
Geib 26V-214 - Wellbore #1 - Plan #1 (10-13-16)	17,068.8	16,996.2	318.1	-273.9	0.537	Level 1, ES, SF
Geib 26V-234 - Wellbore #1 - Plan #1 (10-13-16)	800.0	800.0	14.6	10.4	3.528	CC
Geib 26V-234 - Wellbore #1 - Plan #1 (10-13-16)	17,068.8	17,004.4	324.1	-271.3	0.544	Level 1, ES, SF
Geib 26V-314 - Wellbore #1 - Plan #1 (10-13-16)	1,400.0	1,400.0	29.1	21.7	3.920	CC
Geib 26V-314 - Wellbore #1 - Plan #1 (10-13-16)	17,068.8	17,088.4	495.5	-210.1	0.702	Level 1, ES, SF
Geib 26V-334 - Wellbore #1 - Plan #1 (10-13-16)	600.0	600.0	32.8	29.8	10.826	CC
Geib 26V-334 - Wellbore #1 - Plan #1 (10-13-16)	17,068.8	17,091.7	550.2	-155.0	0.780	Level 1, ES, SF
Geib 26W-214 - Wellbore #1 - Plan #1 (10-13-16)	400.0	400.0	47.4	45.4	24.573	CC, ES
Geib 26W-214 - Wellbore #1 - Plan #1 (10-13-16)	17,068.8	17,053.8	865.6	165.2	1.236	Level 2, SF
Geib 26W-304 - Wellbore #1 - Plan #1 (10-13-16)	200.0	200.0	61.9	61.1	74.978	CC, ES
Geib 26W-304 - Wellbore #1 - Plan #1 (10-13-16)	17,068.8	17,157.9	1,096.8	391.5	1.555	SF
LaSalle 25F-HZ Pad Sec.25-T5N-R65W						
LaSalle 25E-202 - Wellbore #1 - Wellbore #1	2,056.5	2,079.0	593.7	579.3	41.386	CC, ES
LaSalle 25E-202 - Wellbore #1 - Wellbore #1	6,100.0	6,153.7	1,152.5	1,107.5	25.609	SF
LaSalle 25F-332 - Wellbore #1 - Wellbore #1	5,324.5	5,300.7	262.3	232.8	8.903	CC, ES
LaSalle 25F-332 - Wellbore #1 - Wellbore #1	6,200.0	6,174.2	285.1	251.2	8.413	SF
LaSalle 25F-412 - Wellbore #1 - Wellbore #1	6,216.0	6,209.6	230.2	195.0	6.537	CC, ES, SF