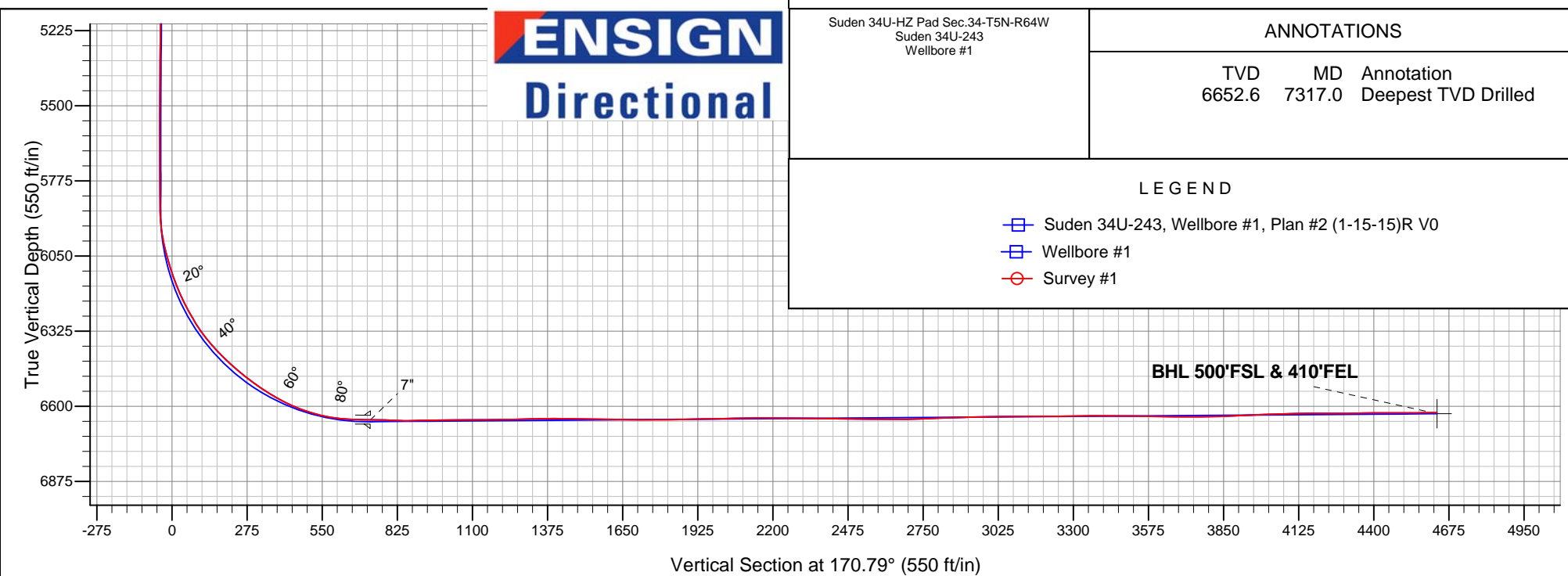
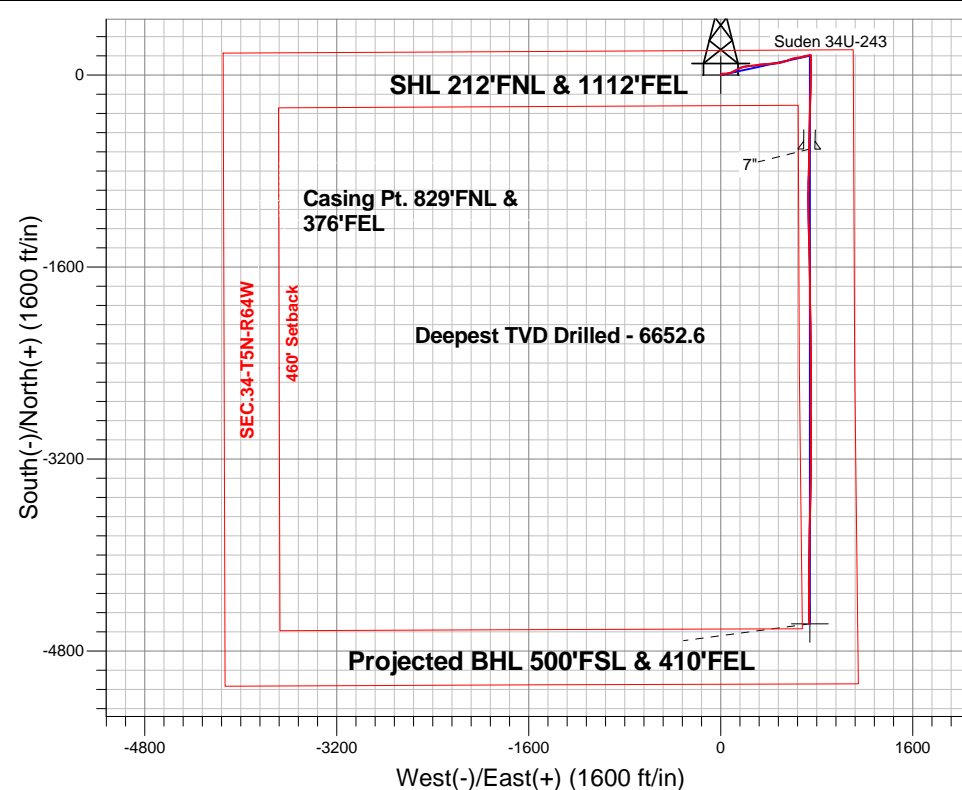


Well Name: Suden 34U-243						
Surface Location: Suden 34U-HZ Pad Sec.34-T5N-R64W						
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone						
Ground Elevation: 4668.0						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1376383.96	3270207.06	40.362520	-104.530330	
Ensign Rig # 14 - RKB - 15' WELL @ 4683.0ft (Ensign Rig # 14 - RKB - 15')						

Projected Bottom Hole Location
11118'MD 6623'TVD 4572'S & 736'E of SHL
90.9 degree Incl @ 179.5 degree AZM





PETROLEUM DEVELOPMENT CORP Weld County CO

SEC.34-T5N-R64W

Suden 34U-HZ Pad Sec.34-T5N-R64W

Suden 34U-243

Wellbore #1

Survey: Survey #1

Standard Survey Report

28 January, 2015

Company:	PETROLEUM DEVELOPMENT CORP Weld County CO	Local Co-ordinate Reference:	Well Suden 34U-243
Project:	SEC.34-T5N-R64W	TVD Reference:	WELL @ 4683.0ft (Ensign Rig # 14 - RKB - 15')
Site:	Suden 34U-HZ Pad Sec.34-T5N-R64W	MD Reference:	WELL @ 4683.0ft (Ensign Rig # 14 - RKB - 15')
Well:	Suden 34U-243	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Project	SEC.34-T5N-R64W, Weld County, Colorado		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site	Suden 34U-HZ Pad Sec.34-T5N-R64W				
Site Position:		Northing:	1,376,383.32 ft	Latitude:	40.362520
From:	Lat/Long	Easting:	3,270,145.76 ft	Longitude:	-104.530550
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.63 °

Well	Suden 34U-243					
Well Position	+N-S	0.0 ft	Northing:	1,376,383.96 ft	Latitude:	40.362520
	+E-W	0.0 ft	Easting:	3,270,207.06 ft	Longitude:	-104.530330
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,668.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/15/2015	8.25	66.93	52,759

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	170.79	

Survey Program	Date	1/28/2015			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
123.0	11,118.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard	

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
1.0	0.01	295.70	1.0	0.0	0.0	0.0	0.65	0.65	0.00
SHL 212'FNL & 1112'FEL									
123.0	0.80	295.70	123.0	0.4	-0.8	-0.5	0.65	0.65	0.00
218.0	1.10	63.10	218.0	1.1	-0.6	-1.1	1.80	0.32	134.11
312.0	1.10	56.90	312.0	2.0	1.0	-1.8	0.13	0.00	-6.60
438.0	1.40	56.60	437.9	3.5	3.3	-2.9	0.24	0.24	-0.24
565.0	1.80	70.70	564.9	5.0	6.5	-3.9	0.44	0.31	11.10
689.0	1.40	6.50	688.9	7.1	8.5	-5.7	1.40	-0.32	-51.77
814.0	1.80	2.10	813.8	10.6	8.7	-9.1	0.33	0.32	-3.52
885.0	0.60	28.10	884.8	12.1	8.9	-10.5	1.81	-1.69	36.62
970.0	0.30	151.30	969.8	12.3	9.3	-10.6	0.95	-0.35	144.94

Company:	PETROLEUM DEVELOPMENT CORP Weld County CO	Local Co-ordinate Reference:	Well Suden 34U-243
Project:	SEC.34-T5N-R64W	TVD Reference:	WELL @ 4683.0ft (Ensign Rig # 14 - RKB - 15')
Site:	Suden 34U-HZ Pad Sec.34-T5N-R64W	MD Reference:	WELL @ 4683.0ft (Ensign Rig # 14 - RKB - 15')
Well:	Suden 34U-243	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

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)
1,032.0	2.20	103.70	1,031.8	11.8	10.5	-10.0	3.24	3.06	-76.77
1,123.0	3.80	95.44	1,122.6	11.1	15.2	-8.6	1.82	1.76	-9.08
1,247.0	4.00	82.30	1,246.4	11.3	23.6	-7.4	0.74	0.16	-10.60
1,370.0	4.60	95.10	1,369.0	11.5	32.7	-6.1	0.92	0.49	10.41
1,491.0	4.90	89.80	1,489.6	11.1	42.7	-4.1	0.44	0.25	-4.38
1,612.0	6.60	78.40	1,610.0	12.5	54.7	-3.5	1.69	1.40	-9.42
1,734.0	6.70	75.60	1,731.2	15.6	68.5	-4.5	0.28	0.08	-2.30
1,855.0	7.70	72.20	1,851.2	19.9	83.0	-6.3	0.90	0.83	-2.81
2,007.0	7.90	59.10	2,001.8	28.4	101.7	-11.7	1.17	0.13	-8.62
2,128.0	9.10	62.00	2,121.5	37.1	117.3	-17.9	1.05	0.99	2.40
2,250.0	9.40	64.30	2,241.9	46.0	134.8	-23.8	0.39	0.25	1.89
2,371.0	10.40	61.70	2,361.1	55.4	153.3	-30.2	0.91	0.83	-2.15
2,463.0	10.30	69.40	2,451.6	62.3	168.3	-34.5	1.51	-0.11	8.37
2,557.0	10.90	71.50	2,544.0	68.0	184.6	-37.6	0.76	0.64	2.23
2,653.0	11.10	82.30	2,638.2	72.2	202.4	-38.8	2.15	0.21	11.25
2,778.0	13.40	83.80	2,760.4	75.3	228.7	-37.8	1.86	1.84	1.20
2,936.0	12.00	87.90	2,914.5	77.9	263.3	-34.8	1.05	-0.89	2.59
3,126.0	13.00	78.00	3,100.0	83.1	304.0	-33.4	1.24	0.53	-5.21
3,221.0	12.00	83.30	3,192.8	86.5	324.2	-33.4	1.60	-1.05	5.58
3,410.0	10.60	83.80	3,378.1	90.6	361.0	-31.7	0.74	-0.74	0.26
3,600.0	9.90	86.50	3,565.1	93.5	394.7	-29.1	0.45	-0.37	1.42
3,790.0	12.20	86.80	3,751.6	95.6	431.1	-25.4	1.21	1.21	0.16
3,980.0	12.00	80.10	3,937.3	100.1	470.6	-23.5	0.75	-0.11	-3.53
4,169.0	12.00	77.30	4,122.2	107.8	509.1	-25.0	0.31	0.00	-1.48
4,359.0	10.60	70.30	4,308.5	118.1	544.8	-29.4	1.03	-0.74	-3.68
4,549.0	10.20	69.40	4,495.4	129.9	577.0	-35.9	0.23	-0.21	-0.47
4,707.0	7.70	76.30	4,651.5	137.3	600.4	-39.4	1.72	-1.58	4.37
4,801.0	8.60	79.80	4,744.5	140.1	613.4	-40.1	1.09	0.96	3.72
4,896.0	9.60	81.90	4,838.3	142.4	628.3	-40.0	1.11	1.05	2.21
4,990.0	10.90	80.50	4,930.8	145.0	644.8	-39.9	1.41	1.38	-1.49
5,117.0	10.10	78.70	5,055.7	149.2	667.5	-40.4	0.68	-0.63	-1.42
5,212.0	9.10	77.70	5,149.4	152.4	683.1	-41.1	1.07	-1.05	-1.05
5,306.0	8.60	74.50	5,242.3	155.9	697.1	-42.3	0.75	-0.53	-3.40
5,401.0	7.50	78.70	5,336.3	159.0	710.0	-43.3	1.31	-1.16	4.42
5,496.0	6.60	74.50	5,430.6	161.6	721.4	-44.1	1.09	-0.95	-4.42
5,591.0	5.60	75.80	5,525.1	164.2	731.1	-45.1	1.06	-1.05	1.37
5,654.0	4.70	83.10	5,587.8	165.3	736.7	-45.3	1.76	-1.43	11.59
5,716.0	3.90	85.20	5,649.6	165.8	741.3	-45.0	1.31	-1.29	3.39
5,779.0	2.20	83.80	5,712.5	166.1	744.6	-44.8	2.70	-2.70	-2.22
5,842.0	1.10	112.50	5,775.5	166.0	746.4	-44.4	2.13	-1.75	45.56
5,904.0	0.90	110.40	5,837.5	165.6	747.4	-43.8	0.33	-0.32	-3.39
5,936.0	1.00	119.20	5,869.5	165.4	747.9	-43.5	0.55	0.31	27.50
5,967.0	2.30	159.80	5,900.5	164.7	748.3	-42.8	5.40	4.19	130.97
5,999.0	5.00	164.70	5,932.4	162.7	748.9	-40.7	8.49	8.44	15.31
6,030.0	8.40	172.80	5,963.2	159.2	749.5	-37.1	11.36	10.97	26.13
6,062.0	11.20	176.60	5,994.7	153.7	750.0	-31.7	8.98	8.75	11.88
6,093.0	13.60	177.20	6,025.0	147.1	750.4	-25.1	7.75	7.74	1.94
6,125.0	15.70	176.60	6,056.0	139.0	750.8	-17.0	6.58	6.56	-1.88
6,157.0	17.50	180.30	6,086.6	129.9	751.0	-8.0	6.52	5.63	11.56
6,188.0	19.10	183.50	6,116.1	120.2	750.7	1.6	6.09	5.16	10.32
6,220.0	21.00	184.90	6,146.1	109.2	749.9	12.2	6.12	5.94	4.38
6,252.0	23.70	182.30	6,175.7	97.1	749.2	24.1	8.98	8.44	-8.13
6,283.0	25.60	179.30	6,203.9	84.1	749.0	36.8	7.34	6.13	-9.68
6,315.0	27.60	177.90	6,232.5	69.8	749.3	51.0	6.55	6.25	-4.38

Company:	PETROLEUM DEVELOPMENT CORP Weld County CO	Local Co-ordinate Reference:	Well Suden 34U-243
Project:	SEC.34-T5N-R64W	TVD Reference:	WELL @ 4683.0ft (Ensign Rig # 14 - RKB - 15')
Site:	Suden 34U-HZ Pad Sec.34-T5N-R64W	MD Reference:	WELL @ 4683.0ft (Ensign Rig # 14 - RKB - 15')
Well:	Suden 34U-243	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

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)
6,347.0	29.40	178.60	6,260.6	54.6	749.8	66.2	5.72	5.63	2.19
6,378.0	31.40	180.30	6,287.4	38.9	749.9	81.7	7.02	6.45	5.48
6,410.0	33.90	181.20	6,314.3	21.6	749.7	98.7	7.96	7.81	2.81
6,441.0	36.80	181.00	6,339.6	3.7	749.4	116.3	9.36	9.35	-0.65
6,473.0	40.40	180.90	6,364.6	-16.3	749.0	136.0	11.25	11.25	-0.31
6,505.0	43.10	180.50	6,388.5	-37.6	748.8	156.9	8.48	8.44	-1.25
6,536.0	45.50	181.40	6,410.7	-59.2	748.4	178.3	8.00	7.74	2.90
6,568.0	47.70	180.70	6,432.6	-82.5	748.0	201.1	7.06	6.88	-2.19
6,600.0	49.20	179.60	6,453.9	-106.4	747.9	224.8	5.35	4.69	-3.44
6,631.0	50.60	179.80	6,473.8	-130.1	748.1	248.2	4.54	4.52	0.65
6,663.0	52.40	181.40	6,493.8	-155.2	747.8	272.9	6.85	5.63	5.00
6,694.0	54.00	181.90	6,512.3	-180.0	747.1	297.2	5.32	5.16	1.61
6,726.0	56.30	184.20	6,530.6	-206.2	745.7	322.9	9.30	7.19	7.19
6,758.0	57.90	184.40	6,548.0	-233.0	743.7	349.0	5.03	5.00	0.63
6,789.0	59.50	183.20	6,564.1	-259.4	741.9	374.8	6.13	5.16	-3.87
6,821.0	62.10	182.60	6,579.7	-287.3	740.5	402.1	8.29	8.13	-1.88
6,852.0	65.50	181.00	6,593.4	-315.1	739.6	429.4	11.90	10.97	-5.16
6,884.0	69.30	180.20	6,605.7	-344.6	739.3	458.5	12.10	11.88	-2.50
6,915.0	71.80	180.00	6,616.0	-373.9	739.3	487.4	8.09	8.06	-0.65
6,947.0	74.00	180.20	6,625.4	-404.4	739.2	517.6	6.90	6.88	0.63
6,979.0	76.40	180.50	6,633.6	-435.4	739.0	548.1	7.55	7.50	0.94
7,010.0	80.30	180.50	6,639.8	-465.7	738.8	578.0	12.58	12.58	0.00
7,042.0	84.20	181.00	6,644.2	-497.4	738.3	609.2	12.29	12.19	1.56
7,073.0	85.80	181.20	6,646.9	-528.3	737.8	639.6	5.20	5.16	0.65
7,105.0	87.70	181.40	6,648.7	-560.3	737.0	671.0	5.97	5.94	0.63
7,125.0	89.10	181.00	6,649.2	-580.2	736.6	690.7	7.28	7.00	-2.00
7,161.5	89.66	180.72	6,649.6	-616.7	736.1	726.6	1.72	1.54	-0.77
7"									
7,190.0	90.10	180.50	6,649.7	-645.2	735.8	754.7	1.72	1.54	-0.77
7,222.0	87.80	180.70	6,650.3	-677.2	735.4	786.2	7.21	-7.19	0.63
7,253.0	87.40	181.00	6,651.6	-708.2	735.0	816.7	1.61	-1.29	0.97
7,317.0	90.70	181.90	6,652.6	-772.2	733.3	879.6	5.34	5.16	1.41
Deepest TVD Drilled									
7,379.0	91.30	181.60	6,651.6	-834.1	731.5	940.4	1.08	0.97	-0.48
7,442.0	91.00	181.70	6,650.3	-897.1	729.6	1,002.3	0.50	-0.48	0.16
7,505.0	90.50	180.90	6,649.5	-960.1	728.2	1,064.2	1.50	-0.79	-1.27
7,568.0	89.90	179.80	6,649.2	-1,023.0	727.8	1,126.4	1.99	-0.95	-1.75
7,631.0	90.30	179.10	6,649.1	-1,086.0	728.4	1,188.6	1.28	0.63	-1.11
7,693.0	91.50	178.80	6,648.2	-1,148.0	729.6	1,250.0	2.00	1.94	-0.48
7,757.0	91.50	178.80	6,646.5	-1,212.0	730.9	1,313.4	0.00	0.00	0.00
7,820.0	91.30	178.40	6,644.9	-1,275.0	732.4	1,375.8	0.71	-0.32	-0.63
7,883.0	88.90	178.40	6,644.8	-1,337.9	734.2	1,438.2	3.81	-3.81	0.00
7,947.0	88.50	178.80	6,646.3	-1,401.9	735.8	1,501.6	0.88	-0.63	0.63
8,010.0	89.00	178.80	6,647.7	-1,464.9	737.1	1,564.0	0.79	0.79	0.00
8,073.0	89.90	178.80	6,648.3	-1,527.8	738.4	1,626.3	1.43	1.43	0.00
8,136.0	89.70	178.60	6,648.5	-1,590.8	739.8	1,688.7	0.45	-0.32	-0.32
8,199.0	89.60	178.90	6,648.9	-1,653.8	741.2	1,751.1	0.50	-0.16	0.48
8,262.0	90.70	179.50	6,648.7	-1,716.8	742.1	1,813.5	1.99	1.75	0.95
8,325.0	90.70	179.50	6,647.9	-1,779.8	742.6	1,875.7	0.00	0.00	0.00
8,388.0	91.00	180.00	6,647.0	-1,842.8	742.9	1,937.9	0.93	0.48	0.79
8,451.0	91.50	179.80	6,645.6	-1,905.8	743.0	2,000.1	0.85	0.79	-0.32
8,514.0	91.50	179.50	6,644.0	-1,968.7	743.4	2,062.4	0.48	0.00	-0.48
8,577.0	90.80	178.40	6,642.7	-2,031.7	744.6	2,124.7	2.07	-1.11	-1.75

Company:	PETROLEUM DEVELOPMENT CORP Weld County CO	Local Co-ordinate Reference:	Well Suden 34U-243
Project:	SEC.34-T5N-R64W	TVD Reference:	WELL @ 4683.0ft (Ensign Rig # 14 - RKB - 15')
Site:	Suden 34U-HZ Pad Sec.34-T5N-R64W	MD Reference:	WELL @ 4683.0ft (Ensign Rig # 14 - RKB - 15')
Well:	Suden 34U-243	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

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)
8,641.0	89.80	178.10	6,642.4	-2,095.7	746.5	2,188.2	1.63	-1.56	-0.47
8,704.0	89.20	178.40	6,642.9	-2,158.7	748.4	2,250.6	1.06	-0.95	0.48
8,767.0	89.10	179.50	6,643.9	-2,221.6	749.6	2,313.0	1.75	-0.16	1.75
8,831.0	89.10	179.80	6,644.9	-2,285.6	750.0	2,376.2	0.47	0.00	0.47
8,894.0	89.40	179.60	6,645.7	-2,348.6	750.3	2,438.4	0.57	0.48	-0.32
8,957.0	89.40	180.30	6,646.4	-2,411.6	750.4	2,500.6	1.11	0.00	1.11
9,020.0	89.40	180.30	6,647.0	-2,474.6	750.0	2,562.8	0.00	0.00	0.00
9,084.0	89.90	180.20	6,647.4	-2,538.6	749.8	2,625.9	0.80	0.78	-0.16
9,146.0	90.50	180.20	6,647.2	-2,600.6	749.5	2,687.1	0.97	0.97	0.00
9,209.0	92.00	180.00	6,645.8	-2,663.6	749.4	2,749.2	2.40	2.38	-0.32
9,272.0	92.00	180.50	6,643.6	-2,726.6	749.2	2,811.3	0.79	0.00	0.79
9,336.0	91.80	180.30	6,641.5	-2,790.5	748.7	2,874.4	0.44	-0.31	-0.31
9,398.0	92.10	180.00	6,639.4	-2,852.5	748.6	2,935.5	0.68	0.48	-0.48
9,461.0	91.00	179.30	6,637.7	-2,915.5	748.9	2,997.7	2.07	-1.75	-1.11
9,524.0	90.10	179.80	6,637.1	-2,978.5	749.4	3,060.0	1.63	-1.43	0.79
9,587.0	89.80	179.50	6,637.1	-3,041.5	749.8	3,122.3	0.67	-0.48	-0.48
9,651.0	90.30	180.20	6,637.1	-3,105.5	750.0	3,185.5	1.34	0.78	1.09
9,714.0	90.70	179.80	6,636.5	-3,168.4	750.0	3,247.6	0.90	0.63	-0.63
9,777.0	91.10	179.30	6,635.5	-3,231.4	750.5	3,309.9	1.02	0.63	-0.79
9,841.0	90.00	179.80	6,634.9	-3,295.4	751.0	3,373.2	1.89	-1.72	0.78
9,904.0	89.40	181.90	6,635.2	-3,358.4	750.0	3,435.2	3.47	-0.95	3.33
9,968.0	90.10	182.10	6,635.5	-3,422.4	747.8	3,498.0	1.14	1.09	0.31
10,031.0	88.10	180.90	6,636.5	-3,485.3	746.2	3,559.8	3.70	-3.17	-1.90
10,094.0	89.60	181.40	6,637.8	-3,548.3	744.9	3,621.8	2.51	2.38	0.79
10,157.0	89.80	180.70	6,638.1	-3,611.3	743.7	3,683.8	1.16	0.32	-1.11
10,220.0	90.40	181.00	6,638.0	-3,674.3	742.8	3,745.8	1.06	0.95	0.48
10,283.0	90.80	180.90	6,637.3	-3,737.3	741.8	3,807.8	0.65	0.63	-0.16
10,346.0	91.90	180.90	6,635.9	-3,800.3	740.8	3,869.8	1.75	1.75	0.00
10,409.0	92.80	181.90	6,633.3	-3,863.2	739.2	3,931.7	2.13	1.43	1.59
10,472.0	92.40	182.10	6,630.4	-3,926.1	737.0	3,993.4	0.71	-0.63	0.32
10,535.0	91.70	181.40	6,628.2	-3,989.0	735.1	4,055.3	1.57	-1.11	-1.11
10,598.0	91.60	180.70	6,626.3	-4,052.0	734.0	4,117.2	1.12	-0.16	-1.11
10,661.0	90.00	180.00	6,625.5	-4,115.0	733.6	4,179.3	2.77	-2.54	-1.11
10,724.0	89.60	180.20	6,625.7	-4,178.0	733.5	4,241.5	0.71	-0.63	0.32
10,787.0	90.40	179.50	6,625.7	-4,241.0	733.6	4,303.7	1.69	1.27	-1.11
10,850.0	91.20	179.80	6,624.8	-4,304.0	734.0	4,366.0	1.36	1.27	0.48
10,913.0	89.80	179.60	6,624.3	-4,367.0	734.4	4,428.2	2.24	-2.22	-0.32
10,976.0	89.90	179.50	6,624.4	-4,430.0	734.8	4,490.5	0.22	0.16	-0.16
11,040.0	90.60	179.10	6,624.1	-4,493.9	735.6	4,553.8	1.26	1.09	-0.63
11,063.0	90.90	179.50	6,623.8	-4,516.9	735.9	4,576.5	2.17	1.30	1.74
11,118.0	90.90	179.50	6,623.0	-4,571.9	736.4	4,630.9	0.00	0.00	0.00

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
7,161.5	6,649.6	7"	7	7-1/2

Company:	PETROLEUM DEVELOPMENT CORP Weld County CO	Local Co-ordinate Reference:	Well Suden 34U-243
Project:	SEC.34-T5N-R64W	TVD Reference:	WELL @ 4683.0ft (Ensign Rig # 14 - RKB - 15')
Site:	Suden 34U-HZ Pad Sec.34-T5N-R64W	MD Reference:	WELL @ 4683.0ft (Ensign Rig # 14 - RKB - 15')
Well:	Suden 34U-243	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Survey Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
+N/-S (ft)	+E/-W (ft)			
7,317.0	6,652.6	-772.2	733.3	Deepest TVD Drilled

Checked By: _____	Approved By: _____	Date: _____
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