

PETROLEUM DEVELOPMENT CORP Weld County CO

Well Name: **Peterson 14X-434**

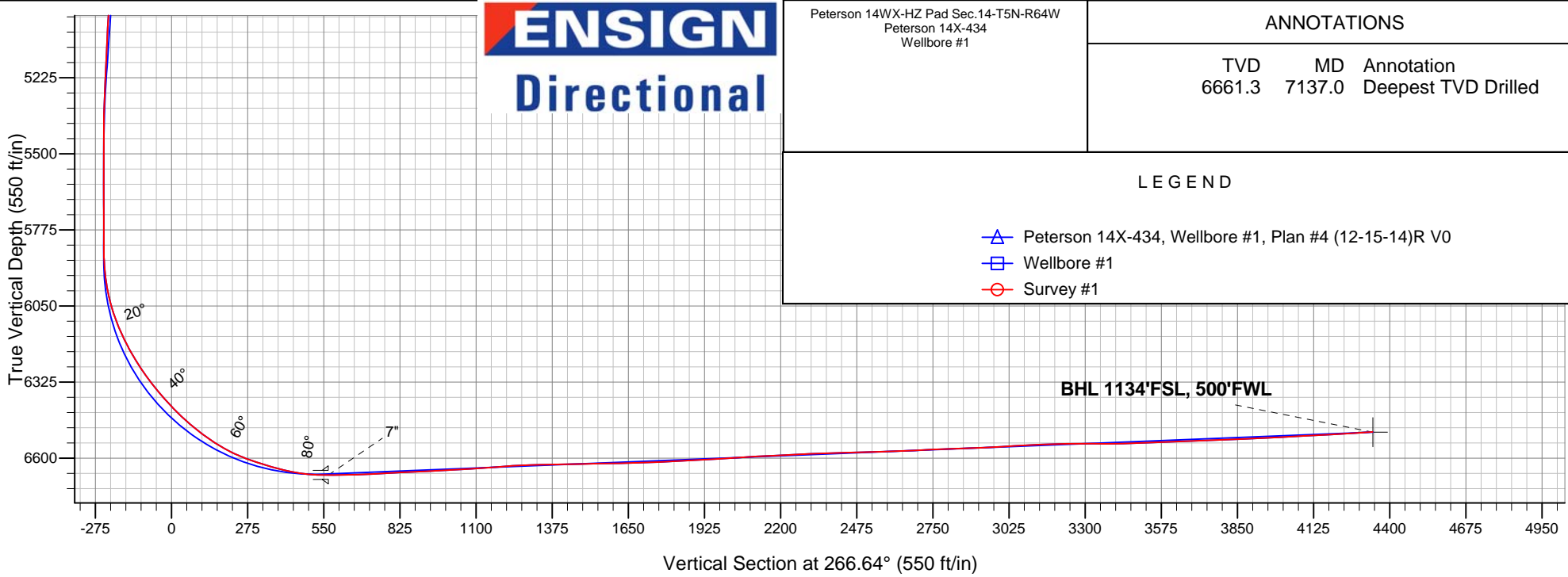
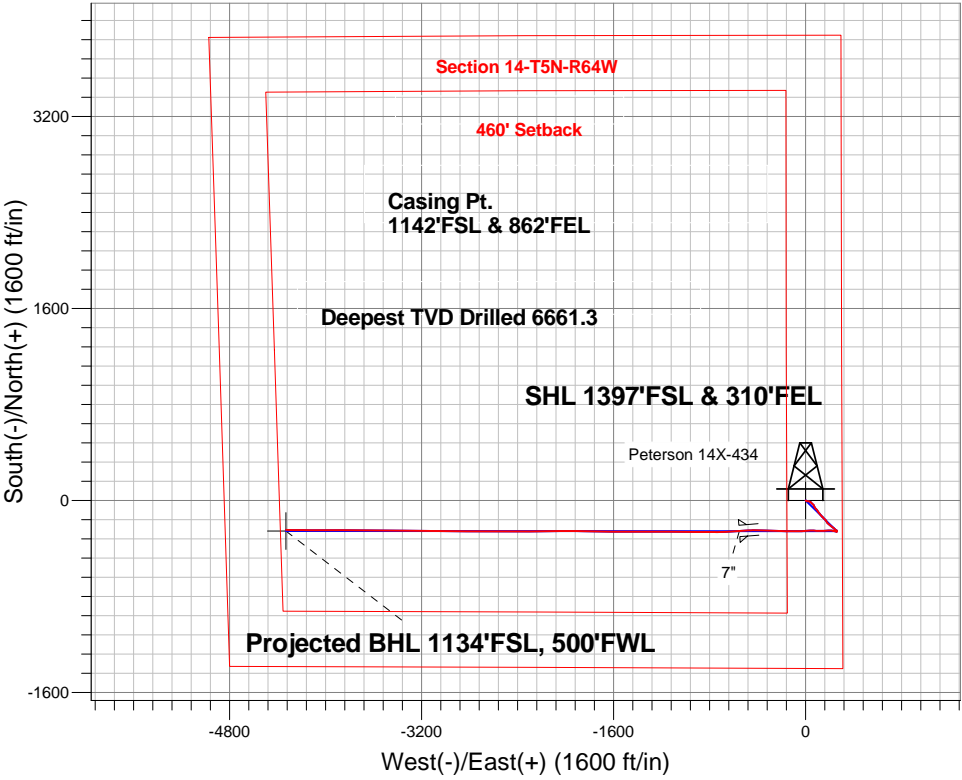
Surface Location: Peterson 14WX-HZ Pad Sec.14-T5N-R64W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

Ground Elevation: 4571.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1388593.88	3275956.39	40.395860	-104.509210	
Ensign Rig - RKB - 15' WELL @ 4586.0ft (Ensign Rig - RKB - 15')						

FINAL SURVEY

Projected Bottom Hole Location
10917'MD 6505'TVD 245'S & 4331'W of SHL
93.8 degree Incl @ 271.0 degree AZM



Peterson 14WX-HZ Pad Sec.14-T5N-R64W Peterson 14X-434 Wellbore #1	ANNOTATIONS		
	TVD 6661.3	MD 7137.0	Annotation Deepest TVD Drilled

LEGEND	
	Peterson 14X-434, Wellbore #1, Plan #4 (12-15-14)R V0
	Wellbore #1
	Survey #1



PETROLEUM DEVELOPMENT CORP Weld County CO

SEC.14-T5N-R64W

Peterson 14WX-HZ Pad Sec.14-T5N-R64W

Peterson 14X-434

Wellbore #1

Survey: Survey #1

Standard Survey Report

02 January, 2015

Company:	PETROLEUM DEVELOPMENT CORP Weld County CO	Local Co-ordinate Reference:	Well Peterson 14X-434
Project:	SEC.14-T5N-R64W	TVD Reference:	WELL @ 4586.0ft (Ensign Rig - RKB - 15')
Site:	Peterson 14WX-HZ Pad Sec.14-T5N-R64W	MD Reference:	WELL @ 4586.0ft (Ensign Rig - RKB - 15')
Well:	Peterson 14X-434	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Project	SEC.14-T5N-R64W, Weld County, CO		
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		Peterson 14WX-HZ Pad Sec.14-T5N-R64W			
Site Position:		Northing:	1,388,684.96 ft	Latitude:	40.396110
From:	Lat/Long	Easting:	3,275,955.37 ft	Longitude:	-104.509210
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.64 °

Well	Peterson 14X-434					
Well Position	+N-S	0.0 ft	Northing:	1,388,593.88 ft	Latitude:	40.395860
	+E-W	0.0 ft	Easting:	3,275,956.39 ft	Longitude:	-104.509210
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,571.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/12/2014	8.25	66.97	52,790

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	266.64	

Survey Program	Date	1/2/2015			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
179.0	10,917.0	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	0.00	146.60	1.0	0.0	0.0	0.0	0.17	0.17	0.00	
SHL 1397'FSL & 310'FEL										
179.0	0.30	146.60	179.0	-0.4	0.3	-0.2	0.17	0.17	0.00	
366.0	0.60	120.10	366.0	-1.3	1.4	-1.3	0.19	0.16	-14.17	
552.0	0.90	132.20	552.0	-2.8	3.3	-3.1	0.18	0.16	6.51	
739.0	1.80	120.10	738.9	-5.2	6.9	-6.6	0.50	0.48	-6.47	
882.0	2.00	91.60	881.8	-6.4	11.4	-11.0	0.67	0.14	-19.93	
943.0	2.50	83.30	942.8	-6.3	13.8	-13.4	0.98	0.82	-13.61	
1,036.0	2.50	85.20	1,035.7	-5.9	17.8	-17.4	0.09	0.00	2.04	
1,129.0	2.40	80.00	1,128.6	-5.4	21.7	-21.4	0.26	-0.11	-5.59	
1,222.0	3.00	123.40	1,221.5	-6.4	25.7	-25.3	2.23	0.65	46.67	

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Site:	Peterson 14WX-HZ Pad Sec.14-T5N-R64W	MD Reference:	WELL @ 4586.0ft (Ensign Rig - RKB - 15')
Well:	Peterson 14X-434	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)
1,314.0	2.90	118.50	1,313.4	-8.8	29.7	-29.2	0.29	-0.11	-5.33
1,407.0	2.50	112.80	1,406.3	-10.7	33.7	-33.0	0.52	-0.43	-6.13
1,498.0	2.40	112.30	1,497.2	-12.2	37.3	-36.5	0.11	-0.11	-0.55
1,589.0	1.90	118.80	1,588.2	-13.7	40.3	-39.5	0.61	-0.55	7.14
1,680.0	1.60	104.80	1,679.1	-14.7	42.9	-42.0	0.57	-0.33	-15.38
1,771.0	3.00	146.60	1,770.0	-17.0	45.4	-44.4	2.31	1.54	45.93
1,861.0	2.80	142.20	1,859.9	-20.7	48.1	-46.8	0.33	-0.22	-4.89
1,952.0	4.70	134.50	1,950.7	-25.1	52.1	-50.5	2.16	2.09	-8.46
2,043.0	4.70	129.90	2,041.4	-30.1	57.6	-55.8	0.41	0.00	-5.05
2,134.0	3.80	130.10	2,132.2	-34.4	62.8	-60.7	0.99	-0.99	0.22
2,225.0	4.40	157.10	2,223.0	-39.6	66.5	-64.0	2.20	0.66	29.67
2,316.0	4.40	152.60	2,313.7	-45.9	69.4	-66.6	0.38	0.00	-4.95
2,406.0	3.90	151.30	2,403.4	-51.7	72.5	-69.3	0.57	-0.56	-1.44
2,499.0	3.20	150.10	2,496.3	-56.7	75.3	-71.8	0.76	-0.75	-1.29
2,594.0	5.00	141.80	2,591.0	-62.2	79.2	-75.4	1.99	1.89	-8.74
2,689.0	4.90	141.70	2,685.7	-68.7	84.2	-80.1	0.11	-0.11	-0.11
2,784.0	4.80	140.40	2,780.3	-74.9	89.3	-84.7	0.16	-0.11	-1.37
2,879.0	4.50	144.50	2,875.0	-81.0	94.0	-89.1	0.47	-0.32	4.32
2,974.0	4.00	143.60	2,969.8	-86.7	98.1	-92.9	0.53	-0.53	-0.95
3,068.0	3.50	145.50	3,063.6	-91.7	101.7	-96.1	0.55	-0.53	2.02
3,163.0	5.00	142.00	3,158.3	-97.4	105.9	-100.0	1.60	1.58	-3.68
3,258.0	4.80	142.00	3,252.9	-103.8	110.9	-104.6	0.21	-0.21	0.00
3,353.0	3.80	138.70	3,347.7	-109.3	115.4	-108.8	1.08	-1.05	-3.47
3,448.0	5.30	142.30	3,442.4	-115.1	120.2	-113.2	1.61	1.58	3.79
3,543.0	5.30	141.40	3,537.0	-122.0	125.6	-118.2	0.09	0.00	-0.95
3,637.0	5.50	142.40	3,630.5	-129.0	131.0	-123.2	0.24	0.21	1.06
3,731.0	7.90	133.50	3,723.9	-137.0	138.5	-130.2	2.77	2.55	-9.47
3,826.0	7.60	134.80	3,818.0	-145.9	147.7	-138.9	0.37	-0.32	1.37
3,921.0	6.70	138.60	3,912.3	-154.5	155.8	-146.5	1.07	-0.95	4.00
4,016.0	6.10	139.90	4,006.7	-162.5	162.7	-152.9	0.65	-0.63	1.37
4,111.0	5.80	141.70	4,101.2	-170.1	168.9	-158.7	0.37	-0.32	1.89
4,205.0	7.60	143.70	4,194.5	-178.9	175.6	-164.8	1.93	1.91	2.13
4,300.0	7.40	143.80	4,288.7	-188.9	182.9	-171.5	0.21	-0.21	0.11
4,395.0	7.60	126.70	4,382.9	-197.6	191.5	-179.6	2.35	0.21	-18.00
4,490.0	7.30	131.80	4,477.1	-205.3	201.1	-188.7	0.76	-0.32	5.37
4,584.0	6.80	131.10	4,570.4	-213.0	209.7	-196.9	0.54	-0.53	-0.74
4,679.0	6.10	126.90	4,664.8	-219.7	218.0	-204.7	0.89	-0.74	-4.42
4,774.0	5.80	126.40	4,759.3	-225.6	225.9	-212.3	0.32	-0.32	-0.53
4,869.0	5.40	129.90	4,853.9	-231.3	233.2	-219.2	0.55	-0.42	3.68
4,964.0	4.70	131.30	4,948.5	-236.7	239.5	-225.2	0.75	-0.74	1.47
5,059.0	4.00	129.40	5,043.2	-241.4	245.0	-230.4	0.75	-0.74	-2.00
5,153.0	3.20	124.10	5,137.0	-245.0	249.7	-234.9	0.92	-0.85	-5.64
5,248.0	3.00	123.90	5,231.9	-247.8	254.0	-239.0	0.21	-0.21	-0.21
5,343.0	2.70	120.60	5,326.8	-250.4	258.0	-242.8	0.36	-0.32	-3.47
5,437.0	1.10	184.70	5,420.7	-252.4	259.8	-244.6	2.59	-1.70	68.19
5,532.0	1.10	170.70	5,515.7	-254.2	259.9	-244.5	0.28	0.00	-14.74
5,627.0	1.00	184.90	5,610.7	-255.9	260.0	-244.5	0.29	-0.11	14.95
5,722.0	1.00	180.20	5,705.7	-257.6	259.9	-244.3	0.09	0.00	-4.95
5,817.0	1.10	163.60	5,800.7	-259.3	260.1	-244.5	0.34	0.11	-17.47
5,848.0	0.90	171.60	5,831.7	-259.8	260.3	-244.6	0.79	-0.65	25.81
5,880.0	1.00	239.90	5,863.6	-260.2	260.1	-244.3	3.34	0.31	213.44
5,911.0	3.30	268.80	5,894.6	-260.4	258.9	-243.2	7.97	7.42	93.23
5,943.0	6.20	283.50	5,926.5	-260.0	256.3	-240.6	9.76	9.06	45.94
5,975.0	8.60	288.40	5,958.2	-258.8	252.4	-236.8	7.75	7.50	15.31

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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)
6,006.0	11.20	286.20	5,988.8	-257.2	247.3	-231.8	8.47	8.39	-7.10
6,038.0	13.30	282.60	6,020.1	-255.6	240.7	-225.3	6.98	6.56	-11.25
6,070.0	16.30	280.90	6,051.0	-253.9	232.7	-217.4	9.47	9.38	-5.31
6,101.0	19.30	276.80	6,080.5	-252.5	223.4	-208.1	10.48	9.68	-13.23
6,133.0	21.50	272.80	6,110.5	-251.6	212.2	-197.1	8.14	6.88	-12.50
6,164.0	23.50	271.00	6,139.1	-251.2	200.4	-185.3	6.82	6.45	-5.81
6,195.0	25.80	269.50	6,167.3	-251.1	187.5	-172.4	7.69	7.42	-4.84
6,227.0	27.80	267.50	6,195.9	-251.5	173.0	-158.0	6.86	6.25	-6.25
6,258.0	29.90	267.00	6,223.0	-252.2	158.1	-143.0	6.82	6.77	-1.61
6,290.0	31.80	268.40	6,250.5	-252.9	141.7	-126.6	6.35	5.94	4.38
6,322.0	33.90	270.50	6,277.4	-253.1	124.4	-109.3	7.46	6.56	6.56
6,354.0	35.80	271.40	6,303.6	-252.7	106.1	-91.1	6.15	5.94	2.81
6,385.0	37.60	271.60	6,328.5	-252.3	87.5	-72.6	5.82	5.81	0.65
6,417.0	39.50	271.60	6,353.5	-251.7	67.6	-52.7	5.94	5.94	0.00
6,448.0	41.20	270.20	6,377.1	-251.4	47.5	-32.7	6.21	5.48	-4.52
6,480.0	42.60	267.40	6,401.0	-251.9	26.2	-11.4	7.30	4.38	-8.75
6,512.0	44.10	265.90	6,424.2	-253.1	4.3	10.6	5.69	4.69	-4.69
6,543.0	46.20	265.80	6,446.1	-254.7	-17.7	32.6	6.78	6.77	-0.32
6,575.0	48.60	267.40	6,467.7	-256.1	-41.2	56.1	8.35	7.50	5.00
6,607.0	50.50	269.30	6,488.5	-256.8	-65.5	80.5	7.46	5.94	5.94
6,638.0	52.70	270.50	6,507.8	-256.9	-89.8	104.7	7.72	7.10	3.87
6,670.0	55.10	271.40	6,526.6	-256.4	-115.6	130.5	7.84	7.50	2.81
6,702.0	56.60	271.90	6,544.6	-255.7	-142.1	156.9	4.86	4.69	1.56
6,734.0	60.10	271.40	6,561.4	-254.9	-169.3	184.0	11.02	10.94	-1.56
6,765.0	63.50	270.50	6,576.0	-254.4	-196.7	211.2	11.26	10.97	-2.90
6,797.0	66.50	270.90	6,589.5	-254.1	-225.7	240.2	9.44	9.38	1.25
6,829.0	69.10	271.60	6,601.6	-253.4	-255.3	269.7	8.37	8.13	2.19
6,860.0	71.50	271.70	6,612.1	-252.6	-284.4	298.8	7.75	7.74	0.32
6,892.0	73.10	272.30	6,621.8	-251.5	-314.9	329.1	5.31	5.00	1.88
6,923.0	74.00	272.40	6,630.6	-250.3	-344.6	358.7	2.92	2.90	0.32
6,955.0	75.40	271.60	6,639.0	-249.2	-375.5	389.4	5.00	4.38	-2.50
6,987.0	77.60	270.70	6,646.5	-248.6	-406.6	420.5	7.40	6.88	-2.81
7,002.0	78.80	269.60	6,649.6	-248.6	-421.2	435.1	10.75	8.00	-7.33
7,034.0	81.70	268.40	6,655.0	-249.1	-452.8	466.6	9.79	9.06	-3.75
7,066.0	84.80	267.20	6,658.7	-250.3	-484.5	498.4	10.38	9.69	-3.75
7,094.0	87.80	265.60	6,660.6	-252.1	-512.4	526.3	12.14	10.71	-5.71
7,134.0	90.03	265.69	6,661.3	-255.1	-552.3	566.3	5.59	5.58	0.23
7"									
7,137.0	90.20	265.70	6,661.3	-255.3	-555.3	569.3	5.59	5.58	0.23
Deepest TVD Drilled									
7,168.0	91.00	265.80	6,661.0	-257.6	-586.2	600.3	2.60	2.58	0.32
7,231.0	91.30	268.20	6,659.7	-260.9	-649.1	663.3	3.84	0.48	3.81
7,294.0	92.70	269.80	6,657.5	-262.0	-712.0	726.2	3.37	2.22	2.54
7,358.0	94.00	270.00	6,653.8	-262.2	-775.9	790.0	2.06	2.03	0.31
7,420.0	92.40	269.80	6,650.3	-262.3	-837.8	851.8	2.60	-2.58	-0.32
7,484.0	92.50	270.70	6,647.6	-262.0	-901.8	915.6	1.41	0.16	1.41
7,548.0	92.50	270.30	6,644.8	-261.4	-965.7	979.4	0.62	0.00	-0.63
7,610.0	93.80	270.50	6,641.4	-261.0	-1,027.6	1,041.2	2.12	2.10	0.32
7,674.0	94.40	270.50	6,636.8	-260.4	-1,091.4	1,104.8	0.94	0.94	0.00
7,738.0	94.30	270.20	6,631.9	-260.0	-1,155.3	1,168.5	0.49	-0.16	-0.47
7,801.0	93.00	269.60	6,627.9	-260.2	-1,218.1	1,231.3	2.27	-2.06	-0.95
7,865.0	92.30	269.80	6,625.0	-260.5	-1,282.1	1,295.1	1.14	-1.09	0.31
7,928.0	91.20	270.00	6,623.1	-260.6	-1,345.0	1,358.0	1.77	-1.75	0.32

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Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
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Survey									
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7,991.0	90.70	269.50	6,622.0	-260.9	-1,408.0	1,420.9	1.12	-0.79	-0.79
8,055.0	91.10	270.20	6,621.0	-261.0	-1,472.0	1,484.8	1.26	0.63	1.09
8,118.0	91.40	271.00	6,619.6	-260.4	-1,535.0	1,547.6	1.36	0.48	1.27
8,182.0	91.00	270.70	6,618.3	-259.4	-1,599.0	1,611.4	0.78	-0.63	-0.47
8,245.0	91.30	270.70	6,617.0	-258.7	-1,661.9	1,674.3	0.48	0.48	0.00
8,308.0	92.20	270.70	6,615.1	-257.9	-1,724.9	1,737.1	1.43	1.43	0.00
8,371.0	92.80	271.20	6,612.4	-256.9	-1,787.8	1,799.8	1.24	0.95	0.79
8,435.0	92.90	270.90	6,609.2	-255.7	-1,851.8	1,863.6	0.49	0.16	-0.47
8,498.0	93.30	270.30	6,605.8	-255.0	-1,914.7	1,926.3	1.14	0.63	-0.95
8,561.0	93.70	270.20	6,601.9	-254.7	-1,977.5	1,989.1	0.65	0.63	-0.16
8,624.0	93.90	269.80	6,597.7	-254.7	-2,040.4	2,051.8	0.71	0.32	-0.63
8,688.0	93.00	268.90	6,593.9	-255.5	-2,104.3	2,115.6	1.99	-1.41	-1.41
8,751.0	92.80	269.10	6,590.7	-256.6	-2,167.2	2,178.5	0.45	-0.32	0.32
8,814.0	92.90	269.50	6,587.6	-257.3	-2,230.1	2,241.4	0.65	0.16	0.63
8,876.0	92.70	269.30	6,584.5	-258.0	-2,292.0	2,303.2	0.46	-0.32	-0.32
8,940.0	91.60	269.50	6,582.1	-258.7	-2,356.0	2,367.1	1.75	-1.72	0.31
9,003.0	91.10	269.10	6,580.7	-259.4	-2,419.0	2,430.0	1.02	-0.79	-0.63
9,066.0	91.70	269.80	6,579.1	-260.0	-2,481.9	2,492.9	1.46	0.95	1.11
9,129.0	92.00	270.50	6,577.1	-259.9	-2,544.9	2,555.8	1.21	0.48	1.11
9,193.0	92.80	270.30	6,574.4	-259.4	-2,608.8	2,619.6	1.29	1.25	-0.31
9,256.0	92.70	271.00	6,571.4	-258.7	-2,671.8	2,682.3	1.12	-0.16	1.11
9,319.0	91.90	271.00	6,568.9	-257.6	-2,734.7	2,745.1	1.27	-1.27	0.00
9,383.0	91.70	270.50	6,566.8	-256.8	-2,798.7	2,808.9	0.84	-0.31	-0.78
9,445.0	92.20	270.50	6,564.7	-256.2	-2,860.6	2,870.7	0.81	0.81	0.00
9,508.0	92.70	270.30	6,562.0	-255.8	-2,923.6	2,933.5	0.85	0.79	-0.32
9,571.0	93.20	270.50	6,558.8	-255.4	-2,986.5	2,996.3	0.85	0.79	0.32
9,634.0	93.20	270.50	6,555.3	-254.8	-3,049.4	3,059.1	0.00	0.00	0.00
9,697.0	93.00	270.30	6,551.9	-254.4	-3,112.3	3,121.9	0.45	-0.32	-0.32
9,761.0	92.20	271.20	6,549.0	-253.5	-3,176.2	3,185.6	1.88	-1.25	1.41
9,824.0	89.80	270.50	6,547.9	-252.6	-3,239.2	3,248.4	3.97	-3.81	-1.11
9,887.0	89.40	270.00	6,548.3	-252.3	-3,302.2	3,311.3	1.02	-0.63	-0.79
9,950.0	90.50	270.20	6,548.4	-252.2	-3,365.2	3,374.2	1.77	1.75	0.32
10,013.0	91.60	270.70	6,547.2	-251.7	-3,428.2	3,437.0	1.92	1.75	0.79
10,076.0	92.00	270.50	6,545.2	-251.1	-3,491.1	3,499.9	0.71	0.63	-0.32
10,139.0	92.20	270.50	6,542.9	-250.5	-3,554.1	3,562.7	0.32	0.32	0.00
10,203.0	92.20	270.50	6,540.5	-249.9	-3,618.0	3,626.5	0.00	0.00	0.00
10,266.0	92.50	270.90	6,537.9	-249.2	-3,681.0	3,689.3	0.79	0.48	0.63
10,329.0	92.60	270.90	6,535.1	-248.2	-3,743.9	3,752.0	0.16	0.16	0.00
10,393.0	92.00	270.00	6,532.5	-247.7	-3,807.9	3,815.8	1.69	-0.94	-1.41
10,455.0	92.20	269.80	6,530.2	-247.8	-3,869.8	3,877.7	0.46	0.32	-0.32
10,519.0	92.70	269.80	6,527.5	-248.0	-3,933.8	3,941.5	0.78	0.78	0.00
10,582.0	92.90	270.00	6,524.4	-248.1	-3,996.7	4,004.4	0.45	0.32	0.32
10,645.0	92.90	270.30	6,521.2	-248.0	-4,059.6	4,067.2	0.48	0.00	0.48
10,708.0	93.00	270.30	6,518.0	-247.6	-4,122.5	4,130.0	0.16	0.16	0.00
10,771.0	93.40	270.50	6,514.5	-247.2	-4,185.4	4,192.7	0.71	0.63	0.32
10,862.0	93.80	271.00	6,508.8	-246.0	-4,276.2	4,283.3	0.70	0.44	0.55
10,917.0	93.80	271.00	6,505.1	-245.0	-4,331.1	4,338.0	0.00	0.00	0.00

BHL 1125'FSL, 500'FWL

Company:	PETROLEUM DEVELOPMENT CORP Weld County CO	Local Co-ordinate Reference:	Well Peterson 14X-434
Project:	SEC.14-T5N-R64W	TVD Reference:	WELL @ 4586.0ft (Ensign Rig - RKB - 15')
Site:	Peterson 14WX-HZ Pad Sec.14-T5N-R64W	MD Reference:	WELL @ 4586.0ft (Ensign Rig - RKB - 15')
Well:	Peterson 14X-434	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name		Casing Diameter (")	Hole Diameter (")
7,134.0	6,661.3	7"		7	7-1/2

Survey Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
7,137.0	6,661.3	-255.3	-555.3	Deepest TVD Drilled	

Checked By: _____	Approved By: _____	Date: _____
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