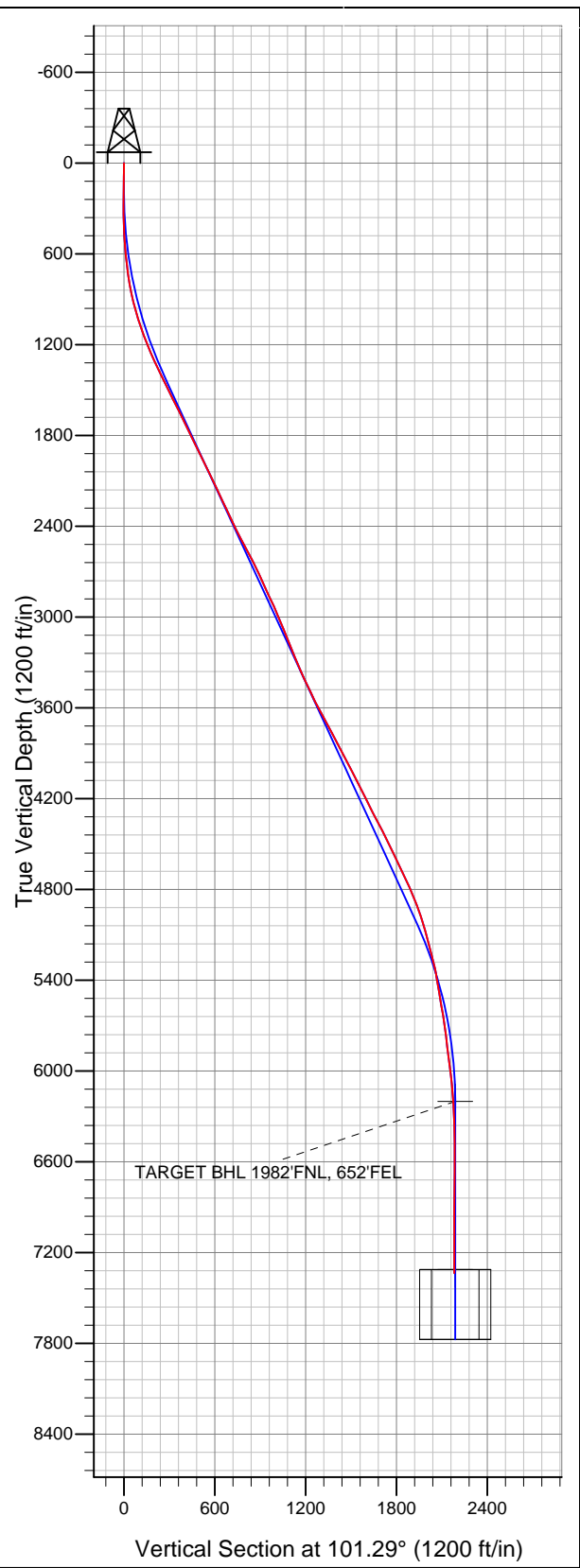




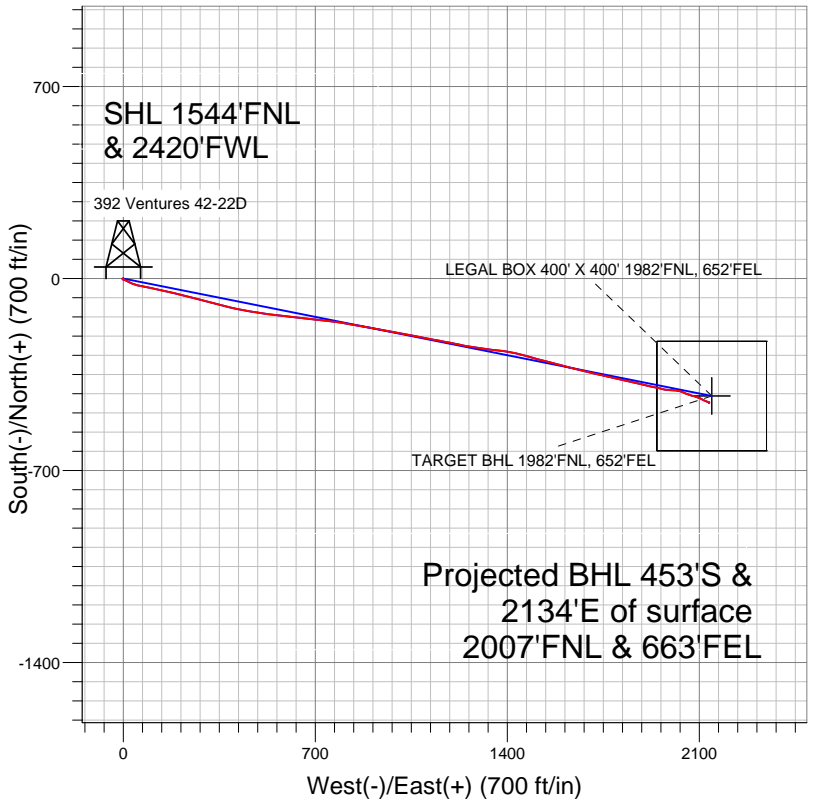
Well Name: 392 Ventures 42-22D

Surface Location: 392 Ventures Pad Sec.22-T6N-R67W
 North American Datum 1983 US State Plane 1983 Colorado Northern Zone
 Ground Elevation: 4783.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1416645.43	3172378.26	40.475440	-104.880376	
		Original Well Elev WELL @ 4796.0ft (Original Well Elev)				



Peterson Operating and Production Company - Weld County, CO



LEGEND

- △ 392 Ventures 42-22D, Wellbore #1, Plan #2 (11-10-11) V0
- Wellbore #1
- Survey #1

Final Survey Plot

Projected Final Survey -
 7790'MD & 7336'TVD @ 2181'VS
 0.3 deg Inc 213.4 deg AZ

Project: SEC.22-T6N-R67W
 Site: 392 Ventures Pad Sec.22-T6N-R67W
 Well: 392 Ventures 42-22D
 Plan: Wellbore #1



Peterson Operating and Production Company - Weld County, CO

SEC.22-T6N-R67W

392 Ventures Pad Sec.22-T6N-R67W

392 Ventures 42-22D

Wellbore #1

Survey: Survey #1

Standard Survey Report

21 November, 2011

Company:	Peterson Operating and Production Company - Weld County, CO	Local Co-ordinate Reference:	Well 392 Ventures 42-22D
Project:	SEC.22-T6N-R67W	TVD Reference:	WELL @ 4796.0ft (Original Well Elev)
Site:	392 Ventures Pad Sec.22-T6N-R67W	MD Reference:	WELL @ 4796.0ft (Original Well Elev)
Well:	392 Ventures 42-22D	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Project	SEC.22-T6N-R67W, 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	392 Ventures Pad Sec.22-T6N-R67W				
Site Position:		Northing:	1,416,682.48 ft	Latitude:	40.475544
From:	Lat/Long	Easting:	3,172,256.98 ft	Longitude:	-104.880811
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.40 °

Well	392 Ventures 42-22D					
Well Position	+N/-S	0.0 ft	Northing:	1,416,645.43 ft	Latitude:	40.475440
	+E/-W	0.0 ft	Easting:	3,172,378.26 ft	Longitude:	-104.880376
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,783.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/3/2011	8.88	67.08	53,118

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	101.29

Survey Program	Date	11/21/2011			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
87.0	7,790.0	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	
87.0	1.30	264.00	87.0	-0.1	-1.0	-0.9	1.49	1.49	0.00	
182.0	1.00	279.70	182.0	-0.1	-2.9	-2.8	0.46	-0.32	16.53	
274.0	0.70	214.80	274.0	-0.4	-4.0	-3.8	1.03	-0.33	-70.54	
366.0	1.80	135.00	365.9	-1.9	-3.3	-2.8	1.97	1.20	-86.74	
419.0	2.70	117.20	418.9	-3.0	-1.6	-1.0	2.13	1.70	-33.58	
467.0	3.20	101.00	466.8	-3.8	0.7	1.5	2.02	1.04	-33.75	
489.0	3.60	107.30	488.8	-4.1	2.0	2.8	2.49	1.82	28.64	
583.0	4.70	113.50	582.6	-6.6	8.4	9.5	1.26	1.17	6.60	
676.0	7.10	120.90	675.1	-11.0	16.8	18.6	2.70	2.58	7.96	
770.0	9.50	112.00	768.1	-16.9	29.0	31.7	2.89	2.55	-9.47	
864.0	12.20	108.30	860.4	-22.9	45.6	49.2	2.96	2.87	-3.94	

Company:	Peterson Operating and Production Company - Weld County, CO	Local Co-ordinate Reference:	Well 392 Ventures 42-22D
Project:	SEC.22-T6N-R67W	TVD Reference:	WELL @ 4796.0ft (Original Well Elev)
Site:	392 Ventures Pad Sec.22-T6N-R67W	MD Reference:	WELL @ 4796.0ft (Original Well Elev)
Well:	392 Ventures 42-22D	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)
957.0	14.80	100.80	950.8	-28.3	66.6	70.8	3.37	2.80	-8.06
1,051.0	17.60	100.60	1,041.1	-33.1	92.4	97.0	2.98	2.98	-0.21
1,144.0	20.10	101.80	1,129.1	-39.0	121.8	127.1	2.72	2.69	1.29
1,238.0	23.20	103.50	1,216.4	-46.6	155.6	161.8	3.36	3.30	1.81
1,332.0	24.00	104.10	1,302.6	-55.6	192.2	199.4	0.89	0.85	0.64
1,425.0	25.80	103.60	1,386.9	-64.9	230.2	238.5	1.95	1.94	-0.54
1,519.0	26.00	104.10	1,471.5	-74.8	270.1	279.5	0.32	0.21	0.53
1,612.0	26.80	104.80	1,554.8	-85.1	310.1	320.8	0.92	0.86	0.75
1,706.0	26.50	104.90	1,638.8	-95.9	350.9	362.9	0.32	-0.32	0.11
1,800.0	26.50	102.70	1,722.9	-105.9	391.6	404.7	1.04	0.00	-2.34
1,893.0	25.60	101.20	1,806.5	-114.4	431.5	445.6	1.20	-0.97	-1.61
1,987.0	26.20	99.30	1,891.0	-121.7	471.9	486.6	1.09	0.64	-2.02
2,080.0	26.20	98.10	1,974.5	-127.9	512.5	527.6	0.57	0.00	-1.29
2,174.0	25.80	98.20	2,059.0	-133.7	553.3	568.8	0.43	-0.43	0.11
2,268.0	25.10	95.50	2,143.8	-138.5	593.4	609.1	1.44	-0.74	-2.87
2,361.0	25.50	95.50	2,227.9	-142.4	633.0	648.6	0.43	0.43	0.00
2,454.0	25.10	95.80	2,312.0	-146.3	672.5	688.1	0.45	-0.43	0.32
2,547.0	25.80	96.90	2,396.0	-150.7	712.2	728.0	0.91	0.75	1.18
2,641.0	28.30	96.90	2,479.7	-155.8	754.7	770.6	2.66	2.66	0.00
2,735.0	28.30	98.30	2,562.5	-161.7	798.8	815.1	0.71	0.00	1.49
2,828.0	26.00	100.40	2,645.2	-168.6	840.7	857.5	2.68	-2.47	2.26
2,922.0	25.00	100.50	2,730.1	-175.9	880.5	897.9	1.06	-1.06	0.11
3,015.0	24.90	101.00	2,814.4	-183.2	919.1	937.1	0.25	-0.11	0.54
3,109.0	24.80	100.60	2,899.7	-190.6	957.9	976.6	0.21	-0.11	-0.43
3,203.0	22.30	99.60	2,985.8	-197.2	994.8	1,014.2	2.69	-2.66	-1.06
3,296.0	22.50	99.10	3,071.8	-203.0	1,029.8	1,049.6	0.30	0.22	-0.54
3,390.0	22.40	101.60	3,158.7	-209.5	1,065.1	1,085.5	1.02	-0.11	2.66
3,483.0	21.90	102.00	3,244.8	-216.6	1,099.4	1,120.6	0.56	-0.54	0.43
3,577.0	23.30	100.80	3,331.6	-223.7	1,134.8	1,156.7	1.57	1.49	-1.28
3,671.0	25.50	99.60	3,417.2	-230.6	1,173.1	1,195.5	2.40	2.34	-1.28
3,764.0	25.10	103.50	3,501.3	-238.6	1,212.0	1,235.2	1.84	-0.43	4.19
3,858.0	27.40	98.70	3,585.6	-246.5	1,252.7	1,276.8	3.33	2.45	-5.11
3,951.0	28.00	98.40	3,667.9	-252.9	1,295.5	1,319.9	0.66	0.65	-0.32
4,045.0	28.40	97.70	3,750.8	-259.1	1,339.5	1,364.3	0.55	0.43	-0.74
4,138.0	28.50	96.40	3,832.6	-264.6	1,383.4	1,408.5	0.67	0.11	-1.40
4,232.0	27.50	103.50	3,915.6	-272.1	1,426.9	1,452.5	3.70	-1.06	7.55
4,326.0	27.10	105.00	3,999.1	-282.7	1,468.6	1,495.6	0.85	-0.43	1.60
4,419.0	27.60	104.70	4,081.7	-293.7	1,509.9	1,538.2	0.56	0.54	-0.32
4,513.0	25.70	104.80	4,165.7	-304.4	1,550.7	1,580.3	2.02	-2.02	0.11
4,606.0	26.80	104.00	4,249.1	-314.6	1,590.5	1,621.4	1.24	1.18	-0.86
4,700.0	27.90	104.80	4,332.6	-325.4	1,632.4	1,664.5	1.23	1.17	0.85
4,793.0	27.20	104.80	4,415.1	-336.4	1,674.0	1,707.4	0.75	-0.75	0.00
4,887.0	26.50	101.30	4,498.9	-346.0	1,715.3	1,749.8	1.84	-0.74	-3.72
4,981.0	24.50	103.00	4,583.8	-354.5	1,754.9	1,790.3	2.27	-2.13	1.81
5,074.0	25.60	103.50	4,668.0	-363.5	1,793.2	1,829.6	1.20	1.18	0.54
5,168.0	25.10	102.70	4,753.0	-372.6	1,832.4	1,869.9	0.64	-0.53	-0.85
5,261.0	23.20	102.80	4,837.8	-381.0	1,869.5	1,907.9	2.04	-2.04	0.11
5,355.0	19.40	103.80	4,925.4	-388.8	1,902.7	1,942.0	4.06	-4.04	1.06
5,448.0	17.80	102.10	5,013.5	-395.5	1,931.6	1,971.7	1.82	-1.72	-1.83
5,542.0	15.00	102.40	5,103.7	-401.1	1,957.6	1,998.2	2.98	-2.98	0.32
5,636.0	14.70	98.40	5,194.6	-405.5	1,981.2	2,022.3	1.14	-0.32	-4.26
5,729.0	13.60	92.30	5,284.8	-407.7	2,003.8	2,044.9	1.99	-1.18	-6.56
5,823.0	10.00	99.10	5,376.8	-409.4	2,022.9	2,063.9	4.10	-3.83	7.23

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Site:	392 Ventures Pad Sec.22-T6N-R67W	MD Reference:	WELL @ 4796.0ft (Original Well Elev)
Well:	392 Ventures 42-22D	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

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)
5,916.0	9.50	115.60	5,468.4	-414.0	2,037.8	2,079.5	3.04	-0.54	17.74
6,010.0	9.70	108.90	5,561.1	-419.9	2,052.3	2,094.8	1.21	0.21	-7.13
6,103.0	10.10	109.20	5,652.7	-425.1	2,067.4	2,110.7	0.43	0.43	0.32
6,197.0	6.40	104.40	5,745.7	-429.1	2,080.3	2,124.1	4.00	-3.94	-5.11
6,291.0	6.70	108.10	5,839.1	-432.1	2,090.6	2,134.7	0.55	0.32	3.94
6,384.0	7.90	115.40	5,931.4	-436.6	2,101.5	2,146.3	1.63	1.29	7.85
6,478.0	7.00	117.20	6,024.6	-442.0	2,112.5	2,158.1	0.99	-0.96	1.91
6,571.0	5.20	114.20	6,117.1	-446.3	2,121.3	2,167.7	1.96	-1.94	-3.23
6,654.9	4.04	110.41	6,200.7	-448.9	2,127.6	2,174.3	1.43	-1.38	-4.52
TARGET BHL 1982'FNL, 652'FEL									
6,665.0	3.90	109.80	6,210.8	-449.1	2,128.2	2,175.0	1.43	-1.37	-6.02
6,758.0	2.50	111.70	6,303.6	-450.9	2,133.1	2,180.1	1.51	-1.51	2.04
6,852.0	0.70	86.00	6,397.6	-451.6	2,135.6	2,182.7	2.01	-1.91	-27.34
6,945.0	0.00	133.20	6,490.6	-451.6	2,136.1	2,183.2	0.75	-0.75	0.00
7,039.0	0.00	45.80	6,584.6	-451.6	2,136.1	2,183.2	0.00	0.00	0.00
7,133.0	0.20	93.30	6,678.6	-451.6	2,136.3	2,183.4	0.21	0.21	0.00
7,226.0	0.50	268.30	6,771.6	-451.6	2,136.1	2,183.1	0.75	0.32	188.17
7,320.0	0.30	273.70	6,865.6	-451.6	2,135.4	2,182.5	0.22	-0.21	5.74
7,413.0	0.40	261.00	6,958.6	-451.7	2,134.8	2,182.0	0.14	0.11	-13.66
7,507.0	0.30	292.40	7,052.6	-451.6	2,134.3	2,181.4	0.23	-0.11	33.40
7,601.0	0.40	164.70	7,146.6	-451.8	2,134.1	2,181.3	0.67	0.11	-135.85
7,694.0	0.10	204.60	7,239.6	-452.2	2,134.2	2,181.4	0.35	-0.32	42.90
7,746.0	0.30	213.40	7,291.6	-452.4	2,134.1	2,181.4	0.39	0.38	16.92
LEGAL BOX 400' X 400' 1982'FNL, 652'FEL									
7,790.0	0.30	213.40	7,335.6	-452.6	2,134.0	2,181.3	0.00	0.00	0.00

Checked By: _____ Approved By: _____ Date: _____