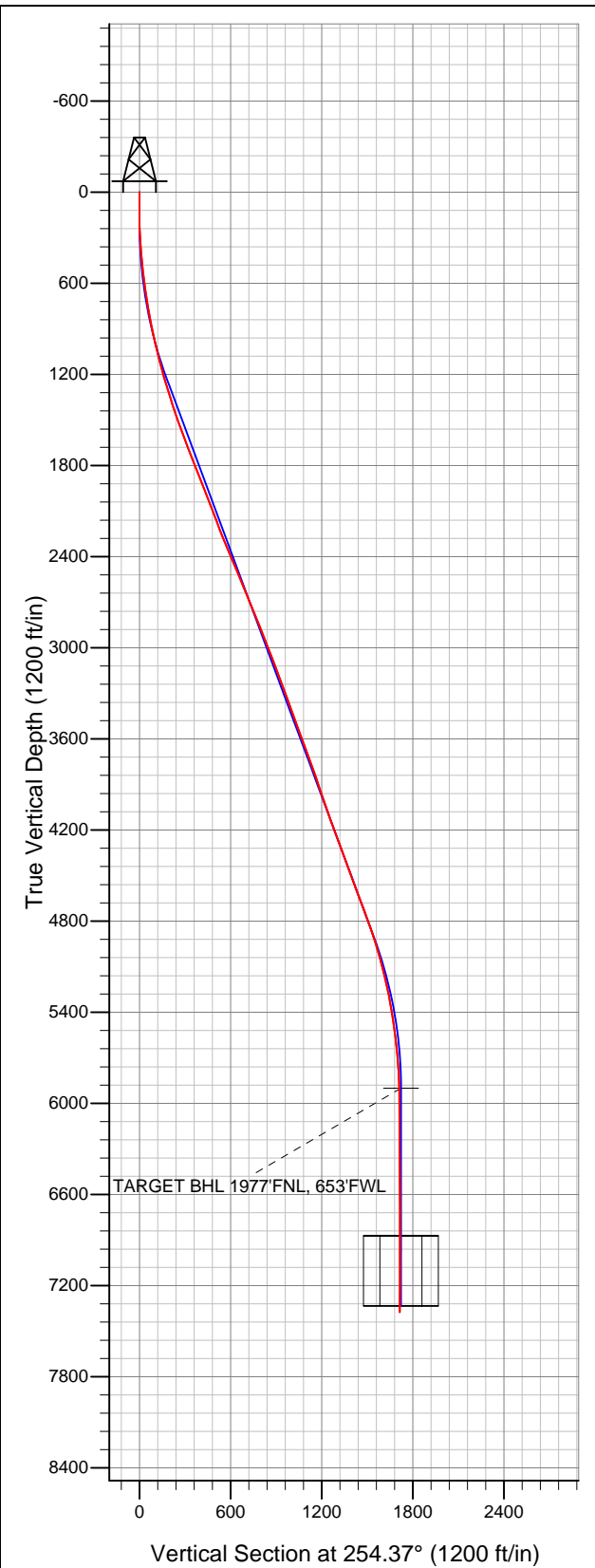




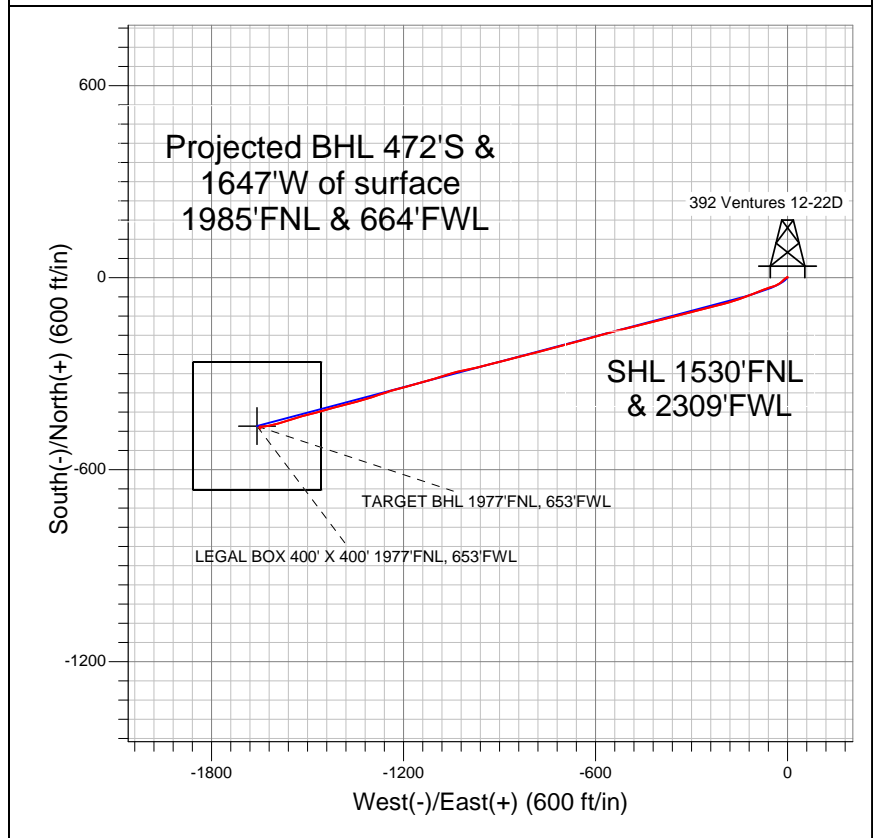
Well Name: 392 Ventures 12-22D

Surface Location: 392 Ventures Pad Sec.22-T6N-R67W
North American Datum 1983 US State Plane 1983Colorado Northern Zone
Ground Elevation: 4784.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1416657.15	3172267.17	40.475474	-104.880775	
		Original Well Elev	WELL @ 4800.0ft	(Original Well Elev)		



Peterson Energy Operating Inc.- Weld County, CO



LEGEND

- Survey #1
- 392 Ventures 12-22D, Wellbore #1, Plan #2 (1-17-12) R V0
- Wellbore #1

Final Survey Plot

Projected Final Survey -
7660'MD & 7375'TVD @ 1713'VS
0.60 deg Inc 129.30 deg AZ

Project: SEC.22-T6N-R67W
Site: 392 Ventures Pad Sec.22-T6N-R67W
Well: 392 Ventures 12-22D
Plan: Wellbore #1



Peterson Energy Operating Inc.- Weld County, CO

SEC.22-T6N-R67W

392 Ventures Pad Sec.22-T6N-R67W

392 Ventures 12-22D

Wellbore #1

Survey: Survey #1

Standard Survey Report

26 January, 2012

Company:	Peterson Energy Operating Inc.- Weld County, CO	Local Co-ordinate Reference:	Well 392 Ventures 12-22D
Project:	SEC.22-T6N-R67W	TVD Reference:	WELL @ 4800.0ft (Original Well Elev)
Site:	392 Ventures Pad Sec.22-T6N-R67W	MD Reference:	WELL @ 4800.0ft (Original Well Elev)
Well:	392 Ventures 12-22D	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 12-22D					
Well Position	+N-S	0.0 ft	Northing:	1,416,657.15 ft	Latitude:	40.475474
	+E-W	0.0 ft	Easting:	3,172,267.17 ft	Longitude:	-104.880775
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,784.0 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	254.37	

Survey Program		Date	1/26/2012	
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
95.0	7,660.0	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
	95.0	1.10	4.90	95.0	0.9	0.1	-0.3	1.16	1.16	0.00
	220.0	1.00	248.30	220.0	1.7	-0.8	0.3	1.43	-0.08	-93.28
	342.0	4.40	231.20	341.8	-1.6	-5.5	5.7	2.83	2.79	-14.02
	422.0	5.60	227.40	421.5	-6.2	-10.7	12.0	1.56	1.50	-4.75
	495.0	7.50	228.10	494.0	-11.8	-16.9	19.5	2.60	2.60	0.96
	619.0	7.90	240.00	616.9	-21.5	-30.3	35.0	1.32	0.32	9.60
	744.0	9.00	254.80	740.6	-28.3	-47.2	53.1	1.94	0.88	11.84
	869.0	11.00	248.90	863.7	-35.2	-67.7	74.7	1.80	1.60	-4.72
	994.0	12.80	248.30	986.0	-44.6	-91.7	100.4	1.44	1.44	-0.48
	1,118.0	14.90	248.50	1,106.4	-55.5	-119.3	129.9	1.69	1.69	0.16
	1,243.0	16.50	251.30	1,226.7	-67.1	-151.1	163.6	1.42	1.28	2.24

Company:	Peterson Energy Operating Inc.- Weld County, CO	Local Co-ordinate Reference:	Well 392 Ventures 12-22D
Project:	SEC.22-T6N-R67W	TVD Reference:	WELL @ 4800.0ft (Original Well Elev)
Site:	392 Ventures Pad Sec.22-T6N-R67W	MD Reference:	WELL @ 4800.0ft (Original Well Elev)
Well:	392 Ventures 12-22D	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)
1,368.0	17.10	253.70	1,346.4	-77.9	-185.6	199.7	0.73	0.48	1.92
1,493.0	18.90	255.90	1,465.3	-88.0	-222.8	238.3	1.54	1.44	1.76
1,618.0	20.90	255.40	1,582.8	-98.6	-264.1	280.9	1.61	1.60	-0.40
1,742.0	20.90	255.70	1,698.6	-109.6	-306.9	325.1	0.09	0.00	0.24
1,867.0	21.20	256.40	1,815.3	-120.4	-350.5	370.0	0.31	0.24	0.56
1,992.0	21.90	255.60	1,931.6	-131.6	-395.0	415.8	0.61	0.56	-0.64
2,117.0	21.10	255.30	2,047.9	-143.1	-439.4	461.7	0.65	-0.64	-0.24
2,242.0	20.50	256.90	2,164.7	-153.7	-482.4	506.0	0.66	-0.48	1.28
2,366.0	22.00	256.50	2,280.3	-164.1	-526.2	550.9	1.22	1.21	-0.32
2,491.0	22.90	254.20	2,395.8	-176.2	-572.3	598.6	1.01	0.72	-1.84
2,616.0	23.30	254.30	2,510.8	-189.5	-619.5	647.7	0.32	0.32	0.08
2,741.0	22.10	254.20	2,626.1	-202.6	-666.0	695.9	0.96	-0.96	-0.08
2,866.0	22.00	255.40	2,742.0	-214.9	-711.3	742.8	0.37	-0.08	0.96
2,990.0	22.30	255.60	2,856.8	-226.6	-756.5	789.6	0.25	0.24	0.16
3,115.0	21.40	256.30	2,972.8	-237.9	-801.6	836.1	0.75	-0.72	0.56
3,240.0	20.60	255.20	3,089.5	-248.9	-845.1	880.9	0.71	-0.64	-0.88
3,365.0	20.60	255.60	3,206.5	-260.0	-887.6	924.8	0.11	0.00	0.32
3,490.0	20.00	255.90	3,323.8	-270.7	-929.7	968.2	0.49	-0.48	0.24
3,614.0	20.00	256.50	3,440.3	-280.8	-970.8	1,010.6	0.17	0.00	0.48
3,739.0	20.10	258.60	3,557.7	-290.0	-1,012.7	1,053.4	0.58	0.08	1.68
3,864.0	20.40	253.20	3,675.0	-300.6	-1,054.6	1,096.6	1.51	0.24	-4.32
3,989.0	19.90	252.80	3,792.3	-313.1	-1,095.8	1,139.6	0.41	-0.40	-0.32
4,114.0	18.70	252.70	3,910.3	-325.4	-1,135.2	1,180.9	0.96	-0.96	-0.08
4,238.0	18.80	254.70	4,027.7	-336.6	-1,173.5	1,220.8	0.52	0.08	1.61
4,363.0	19.50	256.80	4,145.8	-346.7	-1,213.2	1,261.8	0.79	0.56	1.68
4,488.0	20.90	250.90	4,263.1	-358.7	-1,254.6	1,304.9	1.98	1.12	-4.72
4,613.0	20.00	252.20	4,380.3	-372.5	-1,296.0	1,348.5	0.81	-0.72	1.04
4,738.0	20.30	253.60	4,497.6	-385.2	-1,337.2	1,391.5	0.45	0.24	1.12
4,862.0	21.00	256.40	4,613.6	-396.5	-1,379.4	1,435.2	0.98	0.56	2.26
4,987.0	20.70	255.20	4,730.5	-407.4	-1,422.5	1,479.7	0.42	-0.24	-0.96
5,112.0	19.00	253.80	4,848.0	-418.7	-1,463.4	1,522.1	1.41	-1.36	-1.12
5,237.0	16.40	255.80	4,967.1	-428.7	-1,500.1	1,560.1	2.14	-2.08	1.60
5,362.0	15.10	253.20	5,087.4	-437.8	-1,532.8	1,594.1	1.18	-1.04	-2.08
5,486.0	12.70	252.20	5,207.8	-446.6	-1,561.2	1,623.8	1.95	-1.94	-0.81
5,611.0	10.40	254.50	5,330.2	-453.8	-1,585.2	1,648.9	1.88	-1.84	1.84
5,736.0	8.70	257.60	5,453.5	-458.9	-1,605.3	1,669.6	1.42	-1.36	2.48
5,861.0	6.90	256.70	5,577.3	-462.6	-1,621.8	1,686.5	1.44	-1.44	-0.72
5,986.0	4.50	258.20	5,701.7	-465.4	-1,634.0	1,698.9	1.92	-1.92	1.20
6,110.0	3.30	269.00	5,825.4	-466.4	-1,642.3	1,707.2	1.13	-0.97	8.71
6,185.0	1.40	275.84	5,900.4	-466.4	-1,645.4	1,710.2	2.56	-2.53	9.11
TARGET BHL 1977'FNL, 653'FWL									
6,235.0	0.30	336.50	5,950.3	-466.2	-1,646.0	1,710.8	2.56	-2.20	121.39
6,360.0	0.20	260.50	6,075.3	-465.9	-1,646.4	1,711.0	0.25	-0.08	-60.80
6,485.0	0.40	277.80	6,200.3	-465.9	-1,647.0	1,711.6	0.17	0.16	13.84
6,610.0	0.50	314.60	6,325.3	-465.4	-1,647.8	1,712.3	0.24	0.08	29.44
6,734.0	0.70	224.00	6,449.3	-465.6	-1,648.7	1,713.2	0.70	0.16	-73.06
6,859.0	0.40	246.20	6,574.3	-466.3	-1,649.7	1,714.3	0.29	-0.24	17.76
6,984.0	0.40	142.10	6,699.3	-466.9	-1,649.8	1,714.6	0.50	0.00	-83.28
7,109.0	0.50	210.10	6,824.3	-467.7	-1,649.8	1,714.8	0.41	0.08	54.40
7,156.6	0.38	180.72	6,872.0	-468.0	-1,649.9	1,715.0	0.53	-0.24	-61.68
LEGAL BOX 400' X 400' 1977'FNL, 653'FWL									
7,234.0	0.50	127.90	6,949.3	-468.5	-1,649.7	1,714.9	0.53	0.15	-68.28
7,358.0	0.50	166.80	7,073.3	-469.3	-1,649.1	1,714.6	0.27	0.00	31.37

Company:	Peterson Energy Operating Inc.- Weld County, CO	Local Co-ordinate Reference:	Well 392 Ventures 12-22D
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Well:	392 Ventures 12-22D	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
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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)
7,483.0	0.70	146.00	7,198.3	-470.5	-1,648.6	1,714.4	0.23	0.16	-16.64
7,614.0	0.60	129.30	7,329.3	-471.6	-1,647.6	1,713.7	0.16	-0.08	-12.75
7,660.0	0.60	129.30	7,375.3	-471.9	-1,647.2	1,713.4	0.00	0.00	0.00

Checked By: _____	Approved By: _____	Date: _____
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