

Verdad Oil & Gas Corporation

Well Name: **Cervi 03N-63W-34-1N**

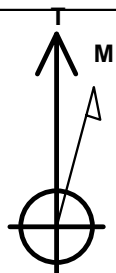
Surface Location: Cervi 03N-63W-34-1N Sec.34-T3N-R63W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone
Ground Elevation: 4755.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1313385.93	3299378.92	40.188675	-104.428385	

Ensign Rig #136 RKB - 12.5' WELL @ 4767.5ft (Ensign Rig #136 RKB - 12.5')

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
600' Setback BHL	1.0	-4505.3	-1200.0	Polygon
600' Setback SHL	1.0	-440.0	-1200.0	Polygon
Sectionline	1.0	160.0	-1200.0	Polygon
SHL 160'FNL & 1322'FWL	1.0	0.0	0.0	Point
BHL 600'FSL & 825'FWL	6444.5	-4505.3	-492.1	Point



Azimuths to True North
Magnetic North: 8.19°

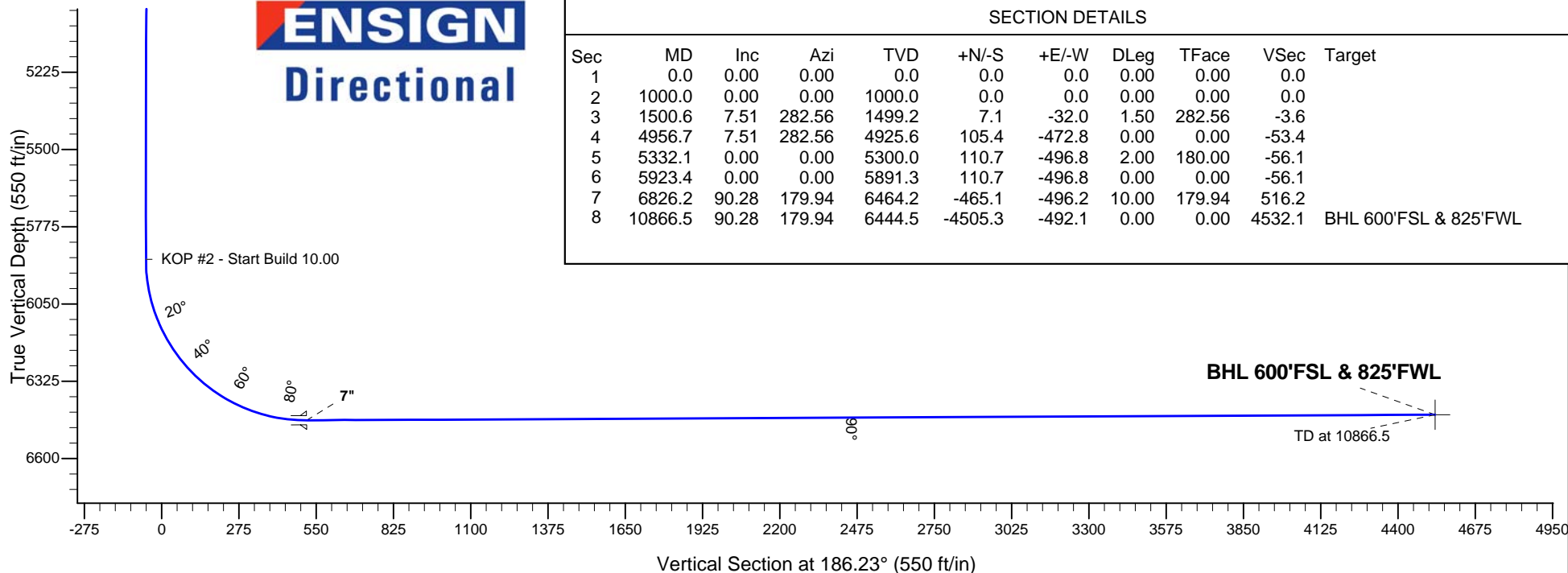
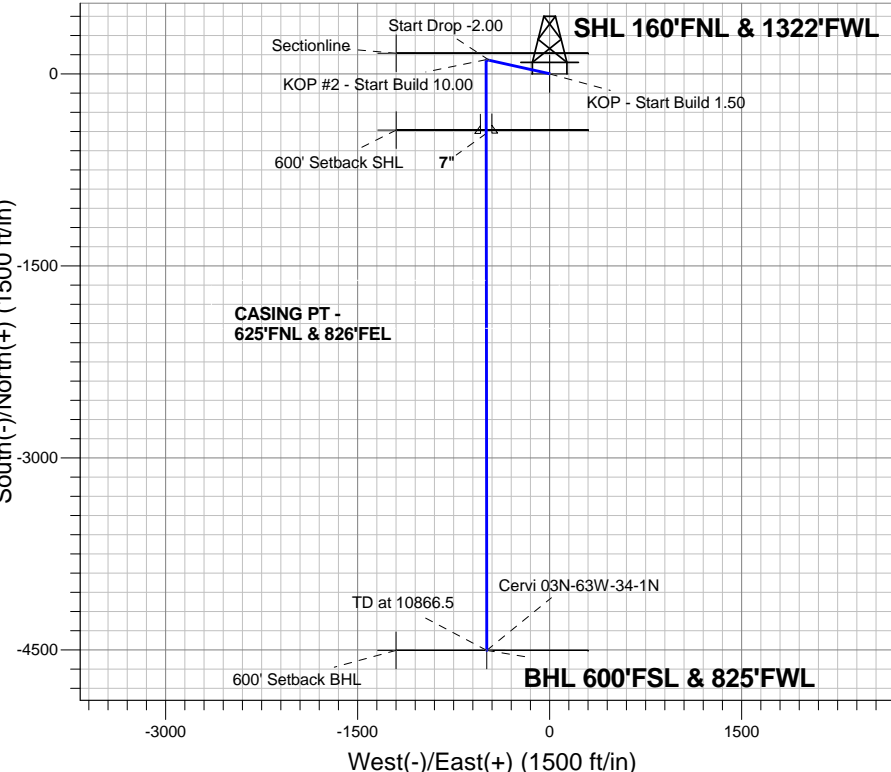
Magnetic Field
Strength: 52721.3snT
Dip Angle: 66.81°
Date: 12/31/2014
Model: IGRF2010

Cervi 03N-63W-34-1N Sec.34-T3N-R63W
Cervi 03N-63W-34-1N
Plan #2 (2-20-15)

ANNOTATIONS

TVD	MD	Annotation
1000.0	1000.0	KOP - Start Build 1.50
4925.6	4956.7	Start Drop -2.00
5891.3	5923.4	KOP #2 - Start Build 10.00
6444.5	10866.5	TD at 10866.5

South(-)/North(+) (1500 ft/in)



ENSIGN
Directional

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	
3	1500.6	7.51	282.56	1499.2	7.1	-32.0	1.50	282.56	-3.6	
4	4956.7	7.51	282.56	4925.6	105.4	-472.8	0.00	0.00	-53.4	
5	5332.1	0.00	0.00	5300.0	110.7	-496.8	2.00	180.00	-56.1	
6	5923.4	0.00	0.00	5891.3	110.7	-496.8	0.00	0.00	-56.1	
7	6826.2	90.28	179.94	6464.2	-465.1	-496.2	10.00	179.94	516.2	
8	10866.5	90.28	179.94	6444.5	-4505.3	-492.1	0.00	0.00	4532.1	BHL 600'FSL & 825'FWL



Verdad Oil & Gas Corporation

SEC.34-T3N-R63W

Cervi 03N-63W-34-1N Sec.34-T3N-R63W

Cervi 03N-63W-34-1N

Wellbore #1

Plan: Plan #2 (2-20-15)

Standard Planning Report

20 February, 2015

Database:	landmark	Local Co-ordinate Reference:	Well Cervi 03N-63W-34-1N
Company:	Verdad Oil & Gas Corporation	TVD Reference:	WELL @ 4767.5ft (Ensign Rig #136 RKB - 12.5')
Project:	SEC.34-T3N-R63W	MD Reference:	WELL @ 4767.5ft (Ensign Rig #136 RKB - 12.5')
Site:	Cervi 03N-63W-34-1N Sec.34-T3N-R63W	North Reference:	True
Well:	Cervi 03N-63W-34-1N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (2-20-15)		

Project	SEC.34-T3N-R63W, 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						Cervi 03N-63W-34-1N Sec.34-T3N-R63W											
Site Position:						Northing:			1,313,385.94 ft			Latitude:			40.188675		
From:			Lat/Long			Easting:			3,299,378.92 ft			Longitude:			-104.428385		
Position Uncertainty:			0.0 ft			Slot Radius:			"			Grid Convergence:			0.69 °		

Well	Cervi 03N-63W-34-1N					
Well Position	+N/-S	0.0 ft	Northing:	1,313,385.93 ft	Latitude:	40.188675
	+E/-W	0.0 ft	Easting:	3,299,378.92 ft	Longitude:	-104.428385
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,755.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	8.19	66.81	52,721

Design	Plan #2 (2-20-15)			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	186.23

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.6	7.51	282.56	1,499.2	7.1	-32.0	1.50	1.50	0.00	282.56	
4,956.7	7.51	282.56	4,925.6	105.4	-472.8	0.00	0.00	0.00	0.00	
5,332.1	0.00	0.00	5,300.0	110.7	-496.8	2.00	-2.00	0.00	180.00	
5,923.4	0.00	0.00	5,891.3	110.7	-496.8	0.00	0.00	0.00	0.00	
6,826.2	90.28	179.94	6,464.2	-465.1	-496.2	10.00	10.00	0.00	179.94	
10,866.5	90.28	179.94	6,444.5	-4,505.3	-492.1	0.00	0.00	0.00	0.00	BHL 600'FSL & 825

Database:	landmark	Local Co-ordinate Reference:	Well Cervi 03N-63W-34-1N
Company:	Verdad Oil & Gas Corporation	TVD Reference:	WELL @ 4767.5ft (Ensign Rig #136 RKB - 12.5')
Project:	SEC.34-T3N-R63W	MD Reference:	WELL @ 4767.5ft (Ensign Rig #136 RKB - 12.5')
Site:	Cervi 03N-63W-34-1N Sec.34-T3N-R63W	North Reference:	True
Well:	Cervi 03N-63W-34-1N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (2-20-15)		

Planned 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
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP - Start Build 1.50									
1,100.0	1.50	282.56	1,100.0	0.3	-1.3	-0.1	1.50	1.50	0.00
1,200.0	3.00	282.56	1,199.9	1.1	-5.1	-0.6	1.50	1.50	0.00
1,300.0	4.50	282.56	1,299.7	2.6	-11.5	-1.3	1.50	1.50	0.00
1,400.0	6.00	282.56	1,399.3	4.6	-20.4	-2.3	1.50	1.50	0.00
1,500.0	7.50	282.56	1,498.6	7.1	-31.9	-3.6	1.50	1.50	0.00
1,500.6	7.51	282.56	1,499.2	7.1	-32.0	-3.6	1.50	1.50	0.00
1,600.0	7.51	282.56	1,597.7	9.9	-44.7	-5.0	0.00	0.00	0.00
1,700.0	7.51	282.56	1,696.9	12.8	-57.4	-6.5	0.00	0.00	0.00
1,800.0	7.51	282.56	1,796.0	15.6	-70.2	-7.9	0.00	0.00	0.00
1,900.0	7.51	282.56	1,895.1	18.5	-82.9	-9.4	0.00	0.00	0.00
2,000.0	7.51	282.56	1,994.3	21.3	-95.7	-10.8	0.00	0.00	0.00
2,100.0	7.51	282.56	2,093.4	24.2	-108.4	-12.2	0.00	0.00	0.00
2,200.0	7.51	282.56	2,192.6	27.0	-121.2	-13.7	0.00	0.00	0.00
2,300.0	7.51	282.56	2,291.7	29.8	-133.9	-15.1	0.00	0.00	0.00
2,400.0	7.51	282.56	2,390.9	32.7	-146.7	-16.6	0.00	0.00	0.00
2,500.0	7.51	282.56	2,490.0	35.5	-159.5	-18.0	0.00	0.00	0.00
2,600.0	7.51	282.56	2,589.1	38.4	-172.2	-19.4	0.00	0.00	0.00
2,700.0	7.51	282.56	2,688.3	41.2	-185.0	-20.9	0.00	0.00	0.00
2,800.0	7.51	282.56	2,787.4	44.1	-197.7	-22.3	0.00	0.00	0.00
2,900.0	7.51	282.56	2,886.6	46.9	-210.5	-23.8	0.00	0.00	0.00
3,000.0	7.51	282.56	2,985.7	49.7	-223.2	-25.2	0.00	0.00	0.00
3,100.0	7.51	282.56	3,084.9	52.6	-236.0	-26.6	0.00	0.00	0.00
3,200.0	7.51	282.56	3,184.0	55.4	-248.7	-28.1	0.00	0.00	0.00
3,300.0	7.51	282.56	3,283.1	58.3	-261.5	-29.5	0.00	0.00	0.00
3,400.0	7.51	282.56	3,382.3	61.1	-274.3	-31.0	0.00	0.00	0.00
3,500.0	7.51	282.56	3,481.4	64.0	-287.0	-32.4	0.00	0.00	0.00
3,600.0	7.51	282.56	3,580.6	66.8	-299.8	-33.9	0.00	0.00	0.00
3,700.0	7.51	282.56	3,679.7	69.6	-312.5	-35.3	0.00	0.00	0.00
3,800.0	7.51	282.56	3,778.8	72.5	-325.3	-36.7	0.00	0.00	0.00
3,900.0	7.51	282.56	3,878.0	75.3	-338.0	-38.2	0.00	0.00	0.00
4,000.0	7.51	282.56	3,977.1	78.2	-350.8	-39.6	0.00	0.00	0.00
4,100.0	7.51	282.56	4,076.3	81.0	-363.5	-41.1	0.00	0.00	0.00
4,200.0	7.51	282.56	4,175.4	83.8	-376.3	-42.5	0.00	0.00	0.00
4,300.0	7.51	282.56	4,274.6	86.7	-389.1	-43.9	0.00	0.00	0.00
4,400.0	7.51	282.56	4,373.7	89.5	-401.8	-45.4	0.00	0.00	0.00
4,500.0	7.51	282.56	4,472.8	92.4	-414.6	-46.8	0.00	0.00	0.00
4,600.0	7.51	282.56	4,572.0	95.2	-427.3	-48.3	0.00	0.00	0.00
4,700.0	7.51	282.56	4,671.1	98.1	-440.1	-49.7	0.00	0.00	0.00
4,800.0	7.51	282.56	4,770.3	100.9	-452.8	-51.1	0.00	0.00	0.00
4,900.0	7.51	282.56	4,869.4	103.7	-465.6	-52.6	0.00	0.00	0.00

Database:	landmark	Local Co-ordinate Reference:	Well Cervi 03N-63W-34-1N
Company:	Verdad Oil & Gas Corporation	TVD Reference:	WELL @ 4767.5ft (Ensign Rig #136 RKB - 12.5')
Project:	SEC.34-T3N-R63W	MD Reference:	WELL @ 4767.5ft (Ensign Rig #136 RKB - 12.5')
Site:	Cervi 03N-63W-34-1N Sec.34-T3N-R63W	North Reference:	True
Well:	Cervi 03N-63W-34-1N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (2-20-15)		

Planned 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)
4,956.7	7.51	282.56	4,925.6	105.4	-472.8	-53.4	0.00	0.00	0.00
Start Drop -2.00									
5,000.0	6.64	282.56	4,968.6	106.5	-478.0	-54.0	2.00	-2.00	0.00
5,100.0	4.64	282.56	5,068.1	108.7	-487.6	-55.1	2.00	-2.00	0.00
5,200.0	2.64	282.56	5,167.9	110.0	-493.8	-55.8	2.00	-2.00	0.00
5,300.0	0.64	282.56	5,267.9	110.7	-496.6	-56.1	2.00	-2.00	0.00
5,332.1	0.00	0.00	5,300.0	110.7	-496.8	-56.1	2.00	-2.00	0.00
5,400.0	0.00	0.00	5,367.9	110.7	-496.8	-56.1	0.00	0.00	0.00
5,500.0	0.00	0.00	5,467.9	110.7	-496.8	-56.1	0.00	0.00	0.00
5,600.0	0.00	0.00	5,567.9	110.7	-496.8	-56.1	0.00	0.00	0.00
5,700.0	0.00	0.00	5,667.9	110.7	-496.8	-56.1	0.00	0.00	0.00
5,800.0	0.00	0.00	5,767.9	110.7	-496.8	-56.1	0.00	0.00	0.00
5,900.0	0.00	0.00	5,867.9	110.7	-496.8	-56.1	0.00	0.00	0.00
5,923.4	0.00	0.00	5,891.3	110.7	-496.8	-56.1	0.00	0.00	0.00
KOP #2 - Start Build 10.00									
6,000.0	7.66	179.94	5,967.6	105.6	-496.8	-51.0	10.00	10.00	0.00
6,100.0	17.66	179.94	6,065.1	83.7	-496.8	-29.3	10.00	10.00	0.00
6,200.0	27.66	179.94	6,157.2	45.2	-496.7	9.0	10.00	10.00	0.00
6,300.0	37.66	179.94	6,241.3	-8.7	-496.7	62.5	10.00	10.00	0.00
6,400.0	47.66	179.94	6,314.8	-76.3	-496.6	129.8	10.00	10.00	0.00
6,500.0	57.66	179.94	6,375.4	-155.7	-496.5	208.7	10.00	10.00	0.00
6,600.0	67.66	179.94	6,421.2	-244.4	-496.4	296.9	10.00	10.00	0.00
6,700.0	77.66	179.94	6,451.0	-339.8	-496.3	391.7	10.00	10.00	0.00
6,800.0	87.66	179.94	6,463.8	-438.8	-496.2	490.1	10.00	10.00	0.00
6,826.2	90.28	179.94	6,464.2	-465.0	-496.2	516.1	10.00	10.00	0.00
7"									
6,900.0	90.28	179.94	6,463.9	-538.8	-496.1	589.5	0.01	0.01	0.00
7,000.0	90.28	179.94	6,463.4	-638.8	-496.0	688.9	0.00	0.00	0.00
7,100.0	90.28	179.94	6,462.9	-738.8	-495.9	788.3	0.00	0.00	0.00
7,200.0	90.28	179.94	6,462.4	-838.8	-495.8	887.7	0.00	0.00	0.00
7,300.0	90.28	179.94	6,461.9	-938.8	-495.7	987.1	0.00	0.00	0.00
7,400.0	90.28	179.94	6,461.4	-1,038.8	-495.6	1,086.5	0.00	0.00	0.00
7,500.0	90.28	179.94	6,461.0	-1,138.8	-495.5	1,185.9	0.00	0.00	0.00
7,600.0	90.28	179.94	6,460.5	-1,238.8	-495.4	1,285.3	0.00	0.00	0.00
7,700.0	90.28	179.94	6,460.0	-1,338.8	-495.3	1,384.7	0.00	0.00	0.00
7,800.0	90.28	179.94	6,459.5	-1,438.8	-495.2	1,484.1	0.00	0.00	0.00
7,900.0	90.28	179.94	6,459.0	-1,538.8	-495.1	1,583.5	0.00	0.00	0.00
8,000.0	90.28	179.94	6,458.5	-1,638.8	-495.0	1,682.9	0.00	0.00	0.00
8,100.0	90.28	179.94	6,458.0	-1,738.8	-494.9	1,782.3	0.00	0.00	0.00
8,200.0	90.28	179.94	6,457.5	-1,838.8	-494.8	1,881.7	0.00	0.00	0.00
8,300.0	90.28	179.94	6,457.0	-1,938.8	-494.7	1,981.1	0.00	0.00	0.00
8,400.0	90.28	179.94	6,456.6	-2,038.8	-494.6	2,080.5	0.00	0.00	0.00
8,500.0	90.28	179.94	6,456.1	-2,138.8	-494.5	2,179.8	0.00	0.00	0.00
8,600.0	90.28	179.94	6,455.6	-2,238.8	-494.4	2,279.2	0.00	0.00	0.00
8,700.0	90.28	179.94	6,455.1	-2,338.8	-494.3	2,378.6	0.00	0.00	0.00
8,800.0	90.28	179.94	6,454.6	-2,438.8	-494.2	2,478.0	0.00	0.00	0.00
8,900.0	90.28	179.94	6,454.1	-2,538.8	-494.1	2,577.4	0.00	0.00	0.00
9,000.0	90.28	179.94	6,453.6	-2,638.8	-494.0	2,676.8	0.00	0.00	0.00
9,100.0	90.28	179.94	6,453.1	-2,738.8	-493.9	2,776.2	0.00	0.00	0.00
9,200.0	90.28	179.94	6,452.6	-2,838.8	-493.8	2,875.6	0.00	0.00	0.00
9,300.0	90.28	179.94	6,452.2	-2,938.8	-493.7	2,975.0	0.00	0.00	0.00
9,400.0	90.28	179.94	6,451.7	-3,038.8	-493.6	3,074.4	0.00	0.00	0.00

Database:	landmark	Local Co-ordinate Reference:	Well Cervi 03N-63W-34-1N
Company:	Verdad Oil & Gas Corporation	TVD Reference:	WELL @ 4767.5ft (Ensign Rig #136 RKB - 12.5')
Project:	SEC.34-T3N-R63W	MD Reference:	WELL @ 4767.5ft (Ensign Rig #136 RKB - 12.5')
Site:	Cervi 03N-63W-34-1N Sec.34-T3N-R63W	North Reference:	True
Well:	Cervi 03N-63W-34-1N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (2-20-15)		

Planned 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)
9,500.0	90.28	179.94	6,451.2	-3,138.8	-493.5	3,173.8	0.00	0.00	0.00
9,600.0	90.28	179.94	6,450.7	-3,238.8	-493.4	3,273.2	0.00	0.00	0.00
9,700.0	90.28	179.94	6,450.2	-3,338.8	-493.3	3,372.6	0.00	0.00	0.00
9,800.0	90.28	179.94	6,449.7	-3,438.8	-493.2	3,472.0	0.00	0.00	0.00
9,900.0	90.28	179.94	6,449.2	-3,538.8	-493.1	3,571.4	0.00	0.00	0.00
10,000.0	90.28	179.94	6,448.7	-3,638.8	-493.0	3,670.8	0.00	0.00	0.00
10,100.0	90.28	179.94	6,448.2	-3,738.8	-492.9	3,770.2	0.00	0.00	0.00
10,200.0	90.28	179.94	6,447.8	-3,838.8	-492.8	3,869.6	0.00	0.00	0.00
10,300.0	90.28	179.94	6,447.3	-3,938.8	-492.7	3,969.0	0.00	0.00	0.00
10,400.0	90.28	179.94	6,446.8	-4,038.8	-492.6	4,068.4	0.00	0.00	0.00
10,500.0	90.28	179.94	6,446.3	-4,138.8	-492.5	4,167.8	0.00	0.00	0.00
10,600.0	90.28	179.94	6,445.8	-4,238.8	-492.4	4,267.2	0.00	0.00	0.00
10,700.0	90.28	179.94	6,445.3	-4,338.8	-492.3	4,366.6	0.00	0.00	0.00
10,800.0	90.28	179.94	6,444.8	-4,438.8	-492.2	4,466.0	0.00	0.00	0.00
10,866.5	90.28	179.94	6,444.5	-4,505.3	-492.1	4,532.1	0.00	0.00	0.00

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
600' Setback SHL	0.00	0.00	1.0	-440.0	-1,200.0	1,312,931.48	3,298,184.37	40.187467	-104.432680
- plan misses by 1278.1ft at 1.0ft MD (1.0 TVD, 0.0 N, 0.0 E)									
- Polygon									
Point 1			1.0	0.0	0.0	1,312,931.48	3,298,184.37		
Point 2			1.0	0.0	1,500.0	1,312,949.61	3,299,684.20		
SHL 160'FNL & 1322'	0.00	0.00	1.0	0.0	0.0	1,313,385.94	3,299,378.92	40.188675	-104.428385
- plan hits target									
- Point									
600' Setback BHL	0.00	0.00	1.0	-4,505.3	-1,200.0	1,308,866.66	3,298,233.50	40.176308	-104.432679
- plan misses by 4662.4ft at 1.0ft MD (1.0 TVD, 0.0 N, 0.0 E)									
- Polygon									
Point 1			1.0	0.0	0.0	1,308,866.66	3,298,233.50		
Point 2			1.0	0.0	1,500.0	1,308,884.79	3,299,733.32		
Sectionline	0.00	0.00	1.0	160.0	-1,200.0	1,313,531.41	3,298,177.12	40.189114	-104.432680
- plan misses by 1210.6ft at 1.0ft MD (1.0 TVD, 0.0 N, 0.0 E)									
- Polygon									
Point 1			1.0	0.0	0.0	1,313,531.41	3,298,177.12		
Point 2			1.0	0.0	1,500.0	1,313,549.54	3,299,676.95		
BHL 600'FSL & 825'F	0.00	0.00	6,444.5	-4,505.3	-492.1	1,308,875.25	3,298,941.32	40.176308	-104.430146
- plan hits target									
- Point									

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
6,826.2	6,464.2	7"	7	7-1/2

Database:	landmark	Local Co-ordinate Reference:	Well Cervi 03N-63W-34-1N
Company:	Verdad Oil & Gas Corporation	TVD Reference:	WELL @ 4767.5ft (Ensign Rig #136 RKB - 12.5')
Project:	SEC.34-T3N-R63W	MD Reference:	WELL @ 4767.5ft (Ensign Rig #136 RKB - 12.5')
Site:	Cervi 03N-63W-34-1N Sec.34-T3N-R63W	North Reference:	True
Well:	Cervi 03N-63W-34-1N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (2-20-15)		

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
1,000.0	1,000.0	0.0	0.0	KOP - Start Build 1.50
4,956.7	4,925.6	105.4	-472.8	Start Drop -2.00
5,923.4	5,891.3	110.7	-496.8	KOP #2 - Start Build 10.00
10,866.5	6,444.5	-4,505.3	-492.1	TD at 10866.5