

Verdad Oil & Gas Corporation

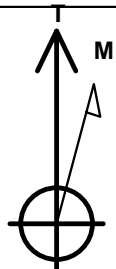
Well Name: **Johnson 01N-65W-30-9C**

Surface Location: Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W
 North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone
 Ground Elevation: 4999.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1249523.60	3221399.36	40.015620	-104.709530	
Original Well Elev WELL @ 5012.0ft (Original Well Elev)						

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
460' Setback BHL	0.0	4615.6	-1320.4	Polygon
460' Setback SHL	0.0	251.4	-1320.4	Polygon
Sectionline	0.0	-208.6	-1320.4	Polygon
SHL 205'FSL & 1854'FWL	1.0	0.0	0.0	Point
Gilmore 1-30 300' Circle	22.0	3941.2	-21.6	Circle (Radius: 300.0)
BHL 460'FNL & 1980'FWL	7482.0	4626.5	145.6	Point



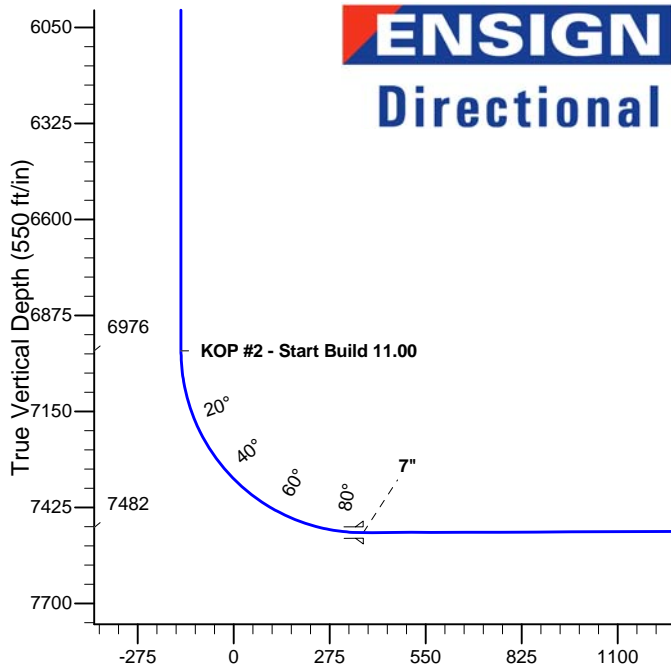
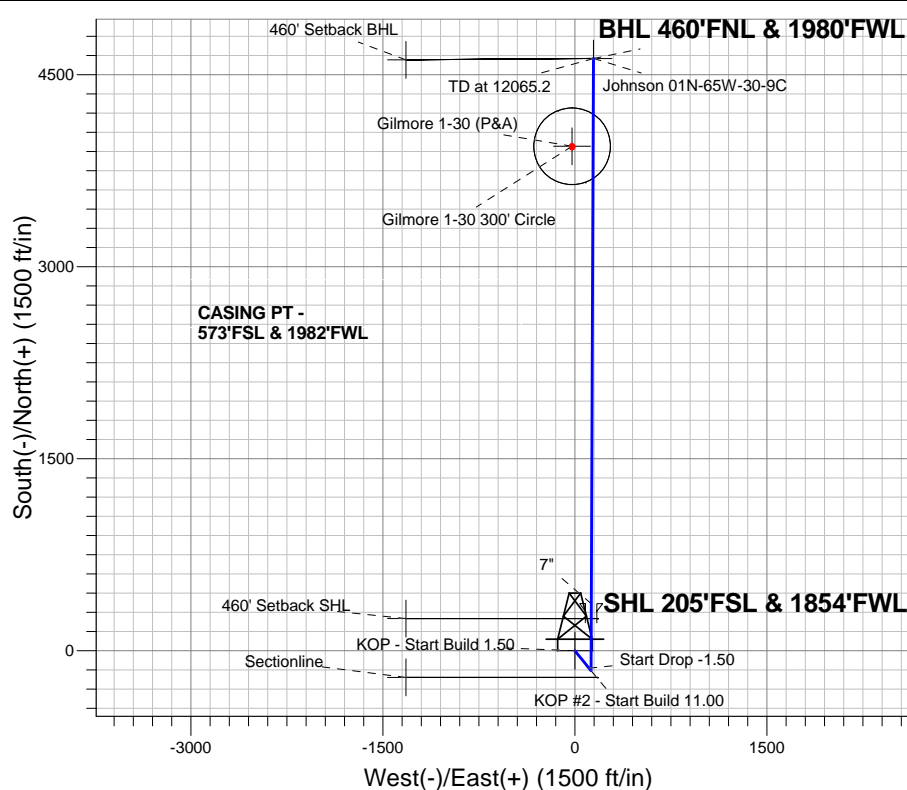
Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W
 Johnson 01N-65W-30-9C
 Plan #2 (8-5-14)

Azimuths to True North
 Magnetic North: 8.38°

Magnetic Field
 Strength: 52604.1snT
 Dip Angle: 66.64°
 Date: 8/1/2014
 Model: IGRF2010

ANNOTATIONS

TVD	MD	Annotation
1800.0	1800.0	KOP - Start Build 1.50
3571.7	3581.2	Start Drop -1.50
6976.0	6986.3	KOP #2 - Start Build 11.00
7482.0	12065.2	TD at 12065.2



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	1800.0	0.00	0.00	1800.0	0.0	0.0	0.00	0.00	0.0	
3	2229.2	6.44	140.89	2228.3	-18.7	15.2	1.50	140.89	-18.2	
4	3581.2	6.44	140.89	3571.7	-136.3	110.8	0.00	0.00	-132.8	
5	4010.3	0.00	0.00	4000.0	-155.0	126.0	1.50	180.00	-151.0	
6	6986.3	0.00	0.00	6976.0	-155.0	126.0	0.00	0.00	-151.0	
7	7806.3	90.20	0.24	7496.9	367.7	128.1	11.00	0.24	371.5	
8	12065.2	90.20	0.24	7482.0	4626.5	145.6	0.00	0.00	4628.8	BHL 460'FNL & 1980'FWL

BHL 460'FNL & 1980'FWL

TD at 12065.2

Vertical Section at 1.80° (550 ft/in)



Verdad Oil & Gas Corporation

SEC.30-T1N-R65W

Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W

Johnson 01N-65W-30-9C

Wellbore #1

Plan: Plan #2 (8-5-14)

Standard Planning Report

05 August, 2014

Database:	landmark	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
Company:	Verdad Oil & Gas Corporation	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Project:	SEC.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	North Reference:	True
Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (8-5-14)		

Project	SEC.30-T1N-R65W, 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	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W				
Site Position:		Northing:	1,249,518.89ft	Latitude:	40.015610
From:	Lat/Long	Easting:	3,221,278.95ft	Longitude:	-104.709960
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.51 °

Well	Johnson 01N-65W-30-9C					
Well Position	+N/-S	3.6 ft	Northing:	1,249,523.60 ft	Latitude:	40.015620
	+E/-W	120.4 ft	Easting:	3,221,399.36 ft	Longitude:	-104.709530
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,999.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	8/1/2014	8.38	66.64	52,604

Design	Plan #2 (8-5-14)			
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	1.80

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	
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,229.2	6.44	140.89	2,228.3	-18.7	15.2	1.50	1.50	0.00	140.89	
3,581.2	6.44	140.89	3,571.7	-136.3	110.8	0.00	0.00	0.00	0.00	
4,010.3	0.00	0.00	4,000.0	-155.0	126.0	1.50	-1.50	0.00	180.00	
6,986.3	0.00	0.00	6,976.0	-155.0	126.0	0.00	0.00	0.00	0.00	
7,806.3	90.20	0.24	7,496.9	367.7	128.1	11.00	11.00	0.00	0.24	
12,065.2	90.20	0.24	7,482.0	4,626.5	145.6	0.00	0.00	0.00	0.00	BHL 460'FNL & 19E

Database:	landmark	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
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Project:	SEC.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	North Reference:	True
Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (8-5-14)		

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	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
KOP - Start Build 1.50										
1,900.0	1.50	140.89	1,900.0	-1.0	0.8	-1.0	1.50	1.50	0.00	
2,000.0	3.00	140.89	1,999.9	-4.1	3.3	-4.0	1.50	1.50	0.00	
2,100.0	4.50	140.89	2,099.7	-9.1	7.4	-8.9	1.50	1.50	0.00	
2,200.0	6.00	140.89	2,199.3	-16.2	13.2	-15.8	1.50	1.50	0.00	
2,229.2	6.44	140.89	2,228.3	-18.7	15.2	-18.2	1.50	1.50	0.00	
2,300.0	6.44	140.89	2,298.7	-24.9	20.2	-24.2	0.00	0.00	0.00	
2,400.0	6.44	140.89	2,398.0	-33.6	27.3	-32.7	0.00	0.00	0.00	
2,500.0	6.44	140.89	2,497.4	-42.3	34.3	-41.1	0.00	0.00	0.00	
2,600.0	6.44	140.89	2,596.8	-51.0	41.4	-49.6	0.00	0.00	0.00	
2,700.0	6.44	140.89	2,696.1	-59.7	48.5	-58.1	0.00	0.00	0.00	
2,800.0	6.44	140.89	2,795.5	-68.4	55.6	-66.6	0.00	0.00	0.00	
2,900.0	6.44	140.89	2,894.9	-77.1	62.6	-75.0	0.00	0.00	0.00	
3,000.0	6.44	140.89	2,994.2	-85.8	69.7	-83.5	0.00	0.00	0.00	
3,100.0	6.44	140.89	3,093.6	-94.5	76.8	-92.0	0.00	0.00	0.00	
3,200.0	6.44	140.89	3,193.0	-103.2	83.9	-100.5	0.00	0.00	0.00	
3,300.0	6.44	140.89	3,292.3	-111.9	90.9	-108.9	0.00	0.00	0.00	
3,400.0	6.44	140.89	3,391.7	-120.6	98.0	-117.4	0.00	0.00	0.00	
3,500.0	6.44	140.89	3,491.1	-129.3	105.1	-125.9	0.00	0.00	0.00	
3,581.2	6.44	140.89	3,571.8	-136.3	110.8	-132.8	0.00	0.00	0.00	
Start Drop -1.50										
3,600.0	6.15	140.89	3,590.5	-137.9	112.1	-134.3	1.50	-1.50	0.00	
3,700.0	4.65	140.89	3,690.0	-145.2	118.1	-141.4	1.50	-1.50	0.00	
3,800.0	3.15	140.89	3,789.8	-150.5	122.3	-146.6	1.50	-1.50	0.00	
3,900.0	1.65	140.89	3,889.7	-153.8	125.0	-149.8	1.50	-1.50	0.00	
4,000.0	0.15	140.89	3,989.7	-155.0	126.0	-150.9	1.50	-1.50	0.00	
4,010.3	0.00	0.00	4,000.0	-155.0	126.0	-151.0	1.50	-1.50	0.00	
4,100.0	0.00	0.00	4,089.7	-155.0	126.0	-151.0	0.00	0.00	0.00	
4,200.0	0.00	0.00	4,189.7	-155.0	126.0	-151.0	0.00	0.00	0.00	
4,300.0	0.00	0.00	4,289.7	-155.0	126.0	-151.0	0.00	0.00	0.00	
4,400.0	0.00	0.00	4,389.7	-155.0	126.0	-151.0	0.00	0.00	0.00	
4,500.0	0.00	0.00	4,489.7	-155.0	126.0	-151.0	0.00	0.00	0.00	
4,600.0	0.00	0.00	4,589.7	-155.0	126.0	-151.0	0.00	0.00	0.00	
4,700.0	0.00	0.00	4,689.7	-155.0	126.0	-151.0	0.00	0.00	0.00	

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Project:	SEC.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	North Reference:	True
Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (8-5-14)		

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)
4,800.0	0.00	0.00	4,789.7	-155.0	126.0	-151.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,889.7	-155.0	126.0	-151.0	0.00	0.00	0.00
5,000.0	0.00	0.00	4,989.7	-155.0	126.0	-151.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,089.7	-155.0	126.0	-151.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,189.7	-155.0	126.0	-151.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,289.7	-155.0	126.0	-151.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,389.7	-155.0	126.0	-151.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,489.7	-155.0	126.0	-151.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,589.7	-155.0	126.0	-151.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,689.7	-155.0	126.0	-151.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,789.7	-155.0	126.0	-151.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,889.7	-155.0	126.0	-151.0	0.00	0.00	0.00
6,000.0	0.00	0.00	5,989.7	-155.0	126.0	-151.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,089.7	-155.0	126.0	-151.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,189.7	-155.0	126.0	-151.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,289.7	-155.0	126.0	-151.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,389.7	-155.0	126.0	-151.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,489.7	-155.0	126.0	-151.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,589.7	-155.0	126.0	-151.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,689.7	-155.0	126.0	-151.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,789.7	-155.0	126.0	-151.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,889.7	-155.0	126.0	-151.0	0.00	0.00	0.00
6,986.3	0.00	0.00	6,976.0	-155.0	126.0	-151.0	0.00	0.00	0.00
KOP #2 - Start Build 11.00									
7,000.0	1.50	0.24	6,989.7	-154.8	126.0	-150.8	10.98	10.98	0.00
7,100.0	12.50	0.24	7,088.8	-142.6	126.1	-138.6	11.00	11.00	0.00
7,200.0	23.50	0.24	7,183.7	-111.8	126.2	-107.8	11.00	11.00	0.00
7,300.0	34.50	0.24	7,271.1	-63.4	126.4	-59.4	11.00	11.00	0.00
7,400.0	45.50	0.24	7,347.5	0.8	126.6	4.8	11.00	11.00	0.00
7,500.0	56.50	0.24	7,410.4	78.4	127.0	82.4	11.00	11.00	0.00
7,600.0	67.50	0.24	7,457.2	166.6	127.3	170.5	11.00	11.00	0.00
7,700.0	78.50	0.24	7,486.4	262.1	127.7	265.9	11.00	11.00	0.00
7,800.0	89.50	0.24	7,496.8	361.4	128.1	365.2	11.00	11.00	0.00
7,806.3	90.20	0.24	7,496.9	367.7	128.1	371.5	11.00	11.00	0.00
7"									
7,900.0	90.20	0.24	7,496.5	461.4	128.5	465.2	0.00	0.00	0.00
8,000.0	90.20	0.24	7,496.2	561.4	128.9	565.1	0.00	0.00	0.00
8,100.0	90.20	0.24	7,495.8	661.4	129.4	665.1	0.00	0.00	0.00
8,200.0	90.20	0.24	7,495.5	761.4	129.8	765.1	0.00	0.00	0.00
8,300.0	90.20	0.24	7,495.1	861.3	130.2	865.0	0.00	0.00	0.00
8,400.0	90.20	0.24	7,494.8	961.3	130.6	965.0	0.00	0.00	0.00
8,500.0	90.20	0.24	7,494.4	1,061.3	131.0	1,064.9	0.00	0.00	0.00
8,600.0	90.20	0.24	7,494.1	1,161.3	131.4	1,164.9	0.00	0.00	0.00
8,700.0	90.20	0.24	7,493.7	1,261.3	131.8	1,264.9	0.00	0.00	0.00
8,800.0	90.20	0.24	7,493.4	1,361.3	132.2	1,364.8	0.00	0.00	0.00
8,900.0	90.20	0.24	7,493.0	1,461.3	132.6	1,464.8	0.00	0.00	0.00
9,000.0	90.20	0.24	7,492.7	1,561.3	133.0	1,564.8	0.00	0.00	0.00
9,100.0	90.20	0.24	7,492.4	1,661.3	133.5	1,664.7	0.00	0.00	0.00
9,200.0	90.20	0.24	7,492.0	1,761.3	133.9	1,764.7	0.00	0.00	0.00
9,300.0	90.20	0.24	7,491.7	1,861.3	134.3	1,864.6	0.00	0.00	0.00
9,400.0	90.20	0.24	7,491.3	1,961.3	134.7	1,964.6	0.00	0.00	0.00
9,500.0	90.20	0.24	7,491.0	2,061.3	135.1	2,064.6	0.00	0.00	0.00
9,600.0	90.20	0.24	7,490.6	2,161.3	135.5	2,164.5	0.00	0.00	0.00

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Company:	Verdad Oil & Gas Corporation	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Project:	SEC.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	North Reference:	True
Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (8-5-14)		

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)
9,700.0	90.20	0.24	7,490.3	2,261.3	135.9	2,264.5	0.00	0.00	0.00
9,800.0	90.20	0.24	7,489.9	2,361.3	136.3	2,364.4	0.00	0.00	0.00
9,900.0	90.20	0.24	7,489.6	2,461.3	136.7	2,464.4	0.00	0.00	0.00
10,000.0	90.20	0.24	7,489.2	2,561.3	137.1	2,564.4	0.00	0.00	0.00
10,100.0	90.20	0.24	7,488.9	2,661.3	137.6	2,664.3	0.00	0.00	0.00
10,200.0	90.20	0.24	7,488.5	2,761.3	138.0	2,764.3	0.00	0.00	0.00
10,300.0	90.20	0.24	7,488.2	2,861.3	138.4	2,864.3	0.00	0.00	0.00
10,400.0	90.20	0.24	7,487.8	2,961.3	138.8	2,964.2	0.00	0.00	0.00
10,500.0	90.20	0.24	7,487.5	3,061.3	139.2	3,064.2	0.00	0.00	0.00
10,600.0	90.20	0.24	7,487.1	3,161.3	139.6	3,164.1	0.00	0.00	0.00
10,700.0	90.20	0.24	7,486.8	3,261.3	140.0	3,264.1	0.00	0.00	0.00
10,800.0	90.20	0.24	7,486.4	3,361.3	140.4	3,364.1	0.00	0.00	0.00
10,900.0	90.20	0.24	7,486.1	3,461.3	140.8	3,464.0	0.00	0.00	0.00
11,000.0	90.20	0.24	7,485.7	3,561.3	141.3	3,564.0	0.00	0.00	0.00
11,100.0	90.20	0.24	7,485.4	3,661.3	141.7	3,664.0	0.00	0.00	0.00
11,200.0	90.20	0.24	7,485.0	3,761.3	142.1	3,763.9	0.00	0.00	0.00
11,300.0	90.20	0.24	7,484.7	3,861.3	142.5	3,863.9	0.00	0.00	0.00
11,400.0	90.20	0.24	7,484.3	3,961.3	142.9	3,963.8	0.00	0.00	0.00
11,500.0	90.20	0.24	7,484.0	4,061.3	143.3	4,063.8	0.00	0.00	0.00
11,600.0	90.20	0.24	7,483.6	4,161.3	143.7	4,163.8	0.00	0.00	0.00
11,700.0	90.20	0.24	7,483.3	4,261.3	144.1	4,263.7	0.00	0.00	0.00
11,800.0	90.20	0.24	7,482.9	4,361.3	144.5	4,363.7	0.00	0.00	0.00
11,900.0	90.20	0.24	7,482.6	4,461.3	144.9	4,463.6	0.00	0.00	0.00
12,000.0	90.20	0.24	7,482.2	4,561.3	145.4	4,563.6	0.00	0.00	0.00
12,065.2	90.20	0.24	7,482.0	4,626.5	145.6	4,628.8	0.00	0.00	0.00

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
7,806.3	7,496.9	7"	7	7-1/2

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	+E/-W (ft)	Comment
1,800.0	1,800.0	0.0	0.0	KOP - Start Build 1.50
3,581.2	3,571.7	-18.7	15.2	Start Drop -1.50
6,986.3	6,976.0	-136.3	110.8	KOP #2 - Start Build 11.00
12,065.2	7,482.0	-155.0	126.0	TD at 12065.2



Directional

Verdad Oil & Gas Corporation

SEC.30-T1N-R65W

Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W

Johnson 01N-65W-30-9C

Wellbore #1

Plan #2 (8-5-14)

Anticollision Report

05 August, 2014

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
Project:	SEC.30-T1N-R65W	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #2 (8-5-14)	Offset TVD Reference:	Offset Datum

Reference	Plan #2 (8-5-14)		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0ft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,000.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date	8/5/2014		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	12,065.2	Plan #2 (8-5-14) (Wellbore #1)	MWD	MWD - Standard

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Existing Wells Sec.30-T1N-R65W						
Gilmore 1-30 (P&A) - Wellbore #1 - Wellbore #1	11,379.2	7,463.4	164.4	-62.3	0.725	Level 1, CC, ES, SF
Lehl 1 (P&A) - Wellbore #1 - Wellbore #1	8,884.1	7,488.1	980.4	798.4	5.386	CC
Lehl 1 (P&A) - Wellbore #1 - Wellbore #1	8,900.0	7,488.0	980.5	798.2	5.379	ES
Lehl 1 (P&A) - Wellbore #1 - Wellbore #1	9,000.0	7,487.7	987.2	803.3	5.367	SF
Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W						
Johnson 01N-65W-30-1C - Wellbore #1 - Plan #2 (8-5-14)	166.3	167.3	120.5	120.0	229.438	CC
Johnson 01N-65W-30-1C - Wellbore #1 - Plan #2 (8-5-14)	200.0	200.0	120.5	119.8	178.707	ES
Johnson 01N-65W-30-1C - Wellbore #1 - Plan #2 (8-5-14)	1,800.0	1,754.4	364.5	355.5	40.545	SF
Johnson 01N-65W-30-2N - Wellbore #1 - Plan #2 (8-5-14)	366.3	367.3	106.5	105.1	74.776	CC
Johnson 01N-65W-30-2N - Wellbore #1 - Plan #2 (8-5-14)	400.0	400.0	106.5	104.9	67.693	ES
Johnson 01N-65W-30-2N - Wellbore #1 - Plan #2 (8-5-14)	1,800.0	1,761.6	310.5	301.9	35.989	SF
Johnson 01N-65W-30-3N - Wellbore #1 - Plan #2 (8-5-14)	566.3	567.3	89.7	87.4	38.611	CC
Johnson 01N-65W-30-3N - Wellbore #1 - Plan #2 (8-5-14)	600.0	600.0	89.7	87.2	36.285	ES
Johnson 01N-65W-30-3N - Wellbore #1 - Plan #2 (8-5-14)	12,065.9	11,905.5	963.5	785.9	5.426	SF
Johnson 01N-65W-30-4N - Wellbore #1 - Plan #2 (8-5-14)	766.3	767.3	75.6	72.4	23.469	CC
Johnson 01N-65W-30-4N - Wellbore #1 - Plan #2 (8-5-14)	800.0	800.0	75.6	72.3	22.433	ES
Johnson 01N-65W-30-4N - Wellbore #1 - Plan #2 (8-5-14)	12,065.9	11,899.4	851.2	674.8	4.825	SF
Johnson 01N-65W-30-5C - Wellbore #1 - Plan #2 (8-5-14)	1,166.3	1,167.3	58.8	53.8	11.716	CC
Johnson 01N-65W-30-5C - Wellbore #1 - Plan #2 (8-5-14)	1,200.0	1,201.0	58.8	53.6	11.374	ES
Johnson 01N-65W-30-5C - Wellbore #1 - Plan #2 (8-5-14)	12,065.9	12,088.1	661.0	480.5	3.662	SF
Johnson 01N-65W-30-6N - Wellbore #1 - Plan #2 (8-5-14)	1,366.3	1,367.3	44.8	38.9	7.571	CC
Johnson 01N-65W-30-6N - Wellbore #1 - Plan #2 (8-5-14)	1,400.0	1,401.0	44.8	38.7	7.382	ES
Johnson 01N-65W-30-6N - Wellbore #1 - Plan #2 (8-5-14)	12,065.9	11,879.2	536.4	367.3	3.171	SF
Johnson 01N-65W-30-7N - Wellbore #1 - Plan #2 (8-5-14)	1,600.0	1,600.0	30.8	23.8	4.422	CC, ES
Johnson 01N-65W-30-7N - Wellbore #1 - Plan #2 (8-5-14)	12,065.9	11,868.1	388.9	231.3	2.468	SF
Johnson 01N-65W-30-8N - Wellbore #1 - Plan #2 (8-5-14)	1,800.0	1,800.0	14.0	6.1	1.780	CC, ES, SF

Offset Design	Existing Wells Sec.30-T1N-R65W - Gilmore 1-30 (P&A) - Wellbore #1 - Wellbore #1										Offset Site Error:	0.0 ft
Survey Program:	8208-UNKNOWN										Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance				Minimum Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Separation (ft)	Factor		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
Project:	SEC.30-T1N-R65W	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #2 (8-5-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 8208-UNKNOWN													Offset Well Error:	0.0 ft
Existing Wells Sec.30-T1N-R65W - Gilmore 1-30 (P&A) - Wellbore #1 - Wellbore #1														
Reference				Offset			Semi Major Axis			Distance				Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
10,400.0	7,487.8	7,466.8	7,466.8	59.2	149.3	-91.19	3,941.2	-21.6	992.9	784.4	208.52	4.762		
10,500.0	7,487.5	7,466.5	7,466.5	61.1	149.3	-91.07	3,941.2	-21.6	894.5	684.1	210.37	4.252		
10,600.0	7,487.1	7,466.1	7,466.1	62.9	149.3	-90.95	3,941.2	-21.6	796.4	584.2	212.21	3.753		
10,700.0	7,486.8	7,465.8	7,465.8	64.8	149.3	-90.83	3,941.2	-21.6	698.9	484.8	214.06	3.265		
10,800.0	7,486.4	7,465.4	7,465.4	66.6	149.3	-90.70	3,941.2	-21.6	602.1	386.2	215.92	2.789		
10,900.0	7,486.1	7,465.1	7,465.1	68.5	149.3	-90.58	3,941.2	-21.6	506.7	288.9	217.77	2.326		
11,000.0	7,485.7	7,464.7	7,464.7	70.4	149.3	-90.46	3,941.2	-21.6	413.3	193.7	219.63	1.882		
11,100.0	7,485.4	7,464.4	7,464.4	72.2	149.3	-90.34	3,941.2	-21.6	324.0	102.5	221.49	1.463	Level 3	
11,200.0	7,485.0	7,464.0	7,464.0	74.1	149.3	-90.22	3,941.2	-21.6	243.2	19.9	223.35	1.089	Level 2	
11,300.0	7,484.7	7,463.7	7,463.7	76.0	149.3	-90.10	3,941.2	-21.6	182.5	-42.7	225.22	0.810	Level 1	
11,379.2	7,484.4	7,463.4	7,463.4	77.4	149.3	-90.00	3,941.2	-21.6	164.4	-62.3	226.70	0.725	Level 1, CC, ES, SF	
11,400.0	7,484.3	7,463.3	7,463.3	77.8	149.3	-89.97	3,941.2	-21.6	165.7	-61.4	227.08	0.730	Level 1	
11,500.0	7,484.0	7,463.0	7,463.0	79.7	149.3	-89.85	3,941.2	-21.6	204.0	-25.0	228.95	0.891	Level 1	
11,600.0	7,483.6	7,462.6	7,462.6	81.6	149.3	-89.73	3,941.2	-21.6	275.2	44.4	230.81	1.192	Level 2	
11,700.0	7,483.3	7,462.3	7,462.3	83.5	149.2	-89.61	3,941.2	-21.6	360.4	127.7	232.68	1.549		
11,800.0	7,482.9	7,461.9	7,461.9	85.3	149.2	-89.49	3,941.2	-21.6	451.7	217.2	234.55	1.926		
11,900.0	7,482.6	7,461.6	7,461.6	87.2	149.2	-89.37	3,941.2	-21.6	546.1	309.7	236.42	2.310		
12,000.0	7,482.2	7,461.2	7,461.2	89.1	149.2	-89.24	3,941.2	-21.6	642.1	403.9	238.28	2.695		
12,065.9	7,482.0	7,461.0	7,461.0	90.3	149.2	-89.16	3,941.2	-21.6	706.1	466.6	239.51	2.948		

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
Project:	SEC.30-T1N-R65W	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #2 (8-5-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Existing Wells Sec.30-T1N-R65W - Lehl 1 (P&A) - Wellbore #1 - Wellbore #1													Offset Well Error:	0.0 ft
Survey Program: 8026-UNKNOWN														
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.0	7,493.7	7,488.7	7,488.7	29.3	149.8	-90.04	1,449.5	-847.8	997.5	818.5	179.03	5.572		
8,800.0	7,493.4	7,488.4	7,488.4	30.9	149.8	-90.02	1,449.5	-847.8	984.0	803.4	180.64	5.447		
8,884.1	7,493.1	7,488.1	7,488.1	32.3	149.8	-90.00	1,449.5	-847.8	980.4	798.4	182.02	5.386 CC		
8,900.0	7,493.0	7,488.0	7,488.0	32.6	149.8	-90.00	1,449.5	-847.8	980.5	798.2	182.28	5.379 ES		
9,000.0	7,492.7	7,487.7	7,487.7	34.2	149.8	-89.98	1,449.5	-847.8	987.2	803.3	183.96	5.367 SF		

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
Project:	SEC.30-T1N-R65W	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #2 (8-5-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	1.0	1.0	0.0	0.0	-91.73	-3.6	-120.4	120.5	120.5	0.00	N/A		
100.0	100.0	101.0	101.0	0.1	0.1	-91.73	-3.6	-120.4	120.5	120.3	0.23	530.796		
166.3	166.3	167.3	167.3	0.3	0.3	-91.73	-3.6	-120.4	120.5	120.0	0.53	229.438 CC		
200.0	200.0	200.0	200.0	0.3	0.3	-91.73	-3.6	-120.4	120.5	119.8	0.67	178.707 ES		
300.0	300.0	296.9	296.9	0.6	0.5	-91.82	-3.9	-122.1	122.2	121.1	1.11	110.502		
400.0	400.0	392.6	392.5	0.8	0.8	-92.07	-4.6	-126.8	127.2	125.7	1.54	82.460		
500.0	500.0	488.0	487.5	1.0	1.0	-92.45	-5.8	-134.7	135.5	133.5	2.00	67.854		
600.0	600.0	582.6	581.5	1.2	1.3	-92.90	-7.4	-145.7	147.2	144.7	2.47	59.527		
700.0	700.0	676.5	674.3	1.5	1.6	-93.38	-9.4	-159.5	162.0	159.1	2.97	54.589		
800.0	800.0	771.6	767.8	1.7	1.9	-93.86	-11.9	-176.4	179.9	176.4	3.49	51.526		
900.0	900.0	869.9	864.4	1.9	2.3	-94.29	-14.6	-194.4	198.3	194.3	4.03	49.224		
1,000.0	1,000.0	968.1	961.0	2.1	2.7	-94.64	-17.2	-212.3	216.8	212.2	4.57	47.411		
1,100.0	1,100.0	1,066.4	1,057.6	2.4	3.1	-94.93	-19.9	-230.3	235.2	230.1	5.12	45.949		
1,200.0	1,200.0	1,164.7	1,154.2	2.6	3.5	-95.19	-22.5	-248.3	253.7	248.0	5.67	44.749		
1,300.0	1,300.0	1,263.0	1,250.8	2.8	3.9	-95.41	-25.2	-266.3	272.1	265.9	6.22	43.751		
1,400.0	1,400.0	1,361.2	1,347.4	3.0	4.3	-95.60	-27.9	-284.2	290.6	283.8	6.77	42.908		
1,500.0	1,500.0	1,459.5	1,443.9	3.3	4.7	-95.77	-30.5	-302.2	309.0	301.7	7.33	42.187		
1,600.0	1,600.0	1,557.8	1,540.5	3.5	5.1	-95.91	-33.2	-320.2	327.5	319.6	7.88	41.565		
1,700.0	1,700.0	1,656.1	1,637.1	3.7	5.6	-96.05	-35.8	-338.1	346.0	337.6	8.43	41.022		
1,800.0	1,800.0	1,754.4	1,733.7	3.9	6.0	-96.17	-38.5	-356.1	364.5	355.5	8.99	40.545 SF		
1,900.0	1,900.0	1,852.5	1,830.1	4.1	6.4	122.75	-41.1	-374.1	383.6	375.1	8.48	45.219		
2,000.0	1,999.9	1,950.3	1,926.3	4.3	6.8	122.86	-43.8	-391.9	404.2	395.3	8.90	45.415		
2,100.0	2,099.7	2,047.8	2,022.0	4.5	7.2	123.21	-46.4	-409.8	426.2	416.9	9.32	45.728		
2,200.0	2,199.3	2,144.8	2,117.4	4.7	7.6	123.77	-49.0	-427.5	449.6	439.9	9.75	46.138		
2,300.0	2,298.7	2,241.4	2,212.3	4.9	8.0	124.65	-51.6	-445.2	474.2	464.1	10.19	46.531		
2,400.0	2,398.0	2,338.0	2,307.3	5.1	8.4	125.53	-54.3	-462.8	499.0	488.4	10.65	46.839		
2,500.0	2,497.4	2,434.6	2,402.2	5.4	8.8	126.34	-56.9	-480.5	524.0	512.8	11.13	47.092		
2,600.0	2,596.8	2,531.2	2,497.1	5.6	9.2	127.07	-59.5	-498.2	548.9	537.3	11.61	47.301		
2,700.0	2,696.1	2,627.8	2,592.1	5.8	9.7	127.73	-62.1	-515.8	574.0	561.9	12.09	47.473		
2,800.0	2,795.5	2,724.4	2,687.0	6.1	10.1	128.35	-64.7	-533.5	599.1	586.6	12.58	47.614		
2,900.0	2,894.9	2,821.0	2,781.9	6.3	10.5	128.91	-67.3	-551.1	624.3	611.3	13.08	47.731		
3,000.0	2,994.2	2,917.6	2,876.9	6.6	10.9	129.43	-69.9	-568.8	649.6	636.0	13.58	47.828		
3,100.0	3,093.6	3,014.2	2,971.8	6.9	11.3	129.91	-72.5	-586.5	674.9	660.8	14.09	47.908		
3,200.0	3,193.0	3,110.8	3,066.7	7.1	11.7	130.35	-75.2	-604.1	700.2	685.6	14.60	47.974		
3,300.0	3,292.3	3,207.4	3,161.7	7.4	12.1	130.77	-77.8	-621.8	725.6	710.5	15.11	48.028		
3,400.0	3,391.7	3,304.0	3,256.6	7.7	12.5	131.15	-80.4	-639.5	751.0	735.4	15.62	48.072		
3,500.0	3,491.1	3,400.6	3,351.5	8.0	12.9	131.51	-83.0	-657.1	776.4	760.3	16.14	48.108		
3,600.0	3,590.5	3,497.2	3,446.5	8.2	13.3	131.90	-85.6	-674.8	801.9	785.2	16.66	48.117		
3,700.0	3,690.0	3,594.1	3,541.8	8.5	13.7	132.40	-88.2	-692.5	826.2	809.0	17.20	48.038		
3,800.0	3,789.8	3,691.5	3,637.5	8.7	14.2	132.74	-90.9	-710.3	848.8	831.1	17.72	47.903		
3,900.0	3,889.7	3,789.3	3,733.6	8.9	14.6	132.91	-93.5	-728.2	869.6	851.4	18.22	47.722		
4,000.0	3,989.7	3,887.4	3,830.0	9.1	15.0	132.95	-96.1	-746.2	888.8	870.1	18.71	47.503		
4,100.0	4,089.7	3,985.7	3,926.6	9.3	15.4	-86.39	-98.8	-764.1	906.9	887.7	19.15	47.352		
4,200.0	4,189.7	4,084.0	4,023.2	9.5	15.8	-86.63	-101.5	-782.1	925.0	905.4	19.61	47.178		
4,300.0	4,289.7	4,182.3	4,119.8	9.7	16.2	-86.85	-104.1	-800.1	943.1	923.0	20.06	47.012		
4,400.0	4,389.7	4,280.5	4,216.3	9.9	16.6	-87.08	-106.8	-818.0	961.2	940.7	20.52	46.852		
4,500.0	4,489.7	4,378.8	4,312.9	10.1	17.1	-87.29	-109.4	-836.0	979.3	958.4	20.97	46.697		
4,600.0	4,589.7	4,477.1	4,409.5	10.3	17.5	-87.49	-112.1	-854.0	997.5	976.1	21.43	46.548		

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
Project:	SEC.30-T1N-R65W	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #2 (8-5-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference				Offset			Semi Major Axis			Distance				Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	1.0	1.0	0.0	0.0	-91.96	-3.6	-106.4	106.5	106.5	0.00	N/A		
100.0	100.0	101.0	101.0	0.1	0.1	-91.96	-3.6	-106.4	106.5	106.3	0.23	469.136		
200.0	200.0	201.0	201.0	0.3	0.3	-91.96	-3.6	-106.4	106.5	105.8	0.68	157.418		
300.0	300.0	301.0	301.0	0.6	0.6	-91.96	-3.6	-106.4	106.5	105.4	1.13	94.576		
366.3	366.3	367.3	367.3	0.7	0.7	-91.96	-3.6	-106.4	106.5	105.1	1.42	74.776 CC		
400.0	400.0	400.0	400.0	0.8	0.8	-91.96	-3.6	-106.4	106.5	104.9	1.57	67.693 ES		
500.0	500.0	497.4	497.4	1.0	1.0	-92.08	-3.9	-108.1	108.2	106.2	2.00	54.013		
600.0	600.0	593.6	593.4	1.2	1.2	-92.40	-4.7	-112.9	113.2	110.8	2.43	46.589		
700.0	700.0	689.3	688.8	1.5	1.4	-92.87	-6.1	-120.8	121.6	118.7	2.87	42.320		
800.0	800.0	784.4	783.3	1.7	1.7	-93.43	-7.9	-131.8	133.3	129.9	3.33	39.962		
900.0	900.0	878.7	876.5	1.9	2.0	-94.02	-10.3	-145.8	148.2	144.4	3.82	38.828		
1,000.0	1,000.0	974.8	971.1	2.1	2.3	-94.60	-13.1	-162.6	165.9	161.6	4.32	38.357		
1,100.0	1,100.0	1,073.2	1,067.8	2.4	2.7	-95.09	-16.0	-180.2	183.9	179.1	4.85	37.948		
1,200.0	1,200.0	1,171.5	1,164.5	2.6	3.0	-95.49	-19.0	-197.8	202.0	196.6	5.38	37.570		
1,300.0	1,300.0	1,269.9	1,261.2	2.8	3.4	-95.82	-22.0	-215.3	220.1	214.2	5.91	37.226		
1,400.0	1,400.0	1,368.2	1,357.9	3.0	3.8	-96.10	-24.9	-232.9	238.2	231.7	6.45	36.919		
1,500.0	1,500.0	1,466.6	1,454.7	3.3	4.2	-96.35	-27.9	-250.5	256.2	249.2	6.99	36.645		
1,600.0	1,600.0	1,564.9	1,551.4	3.5	4.6	-96.56	-30.8	-268.0	274.3	266.8	7.54	36.402		
1,700.0	1,700.0	1,663.2	1,648.1	3.7	5.0	-96.74	-33.8	-285.6	292.4	284.3	8.08	36.184		
1,800.0	1,800.0	1,761.6	1,744.8	3.9	5.4	-96.91	-36.7	-303.2	310.5	301.9	8.63	35.989 SF		
1,900.0	1,900.0	1,859.8	1,841.4	4.1	5.8	122.01	-39.7	-320.7	329.3	320.9	8.35	39.413		
2,000.0	1,999.9	1,957.7	1,937.7	4.3	6.2	122.17	-42.6	-338.2	349.4	340.7	8.77	39.846		
2,100.0	2,099.7	2,055.3	2,033.6	4.5	6.6	122.61	-45.5	-355.6	371.0	361.8	9.19	40.374		
2,200.0	2,199.3	2,152.4	2,129.2	4.7	7.0	123.27	-48.4	-373.0	394.0	384.4	9.61	40.982		
2,300.0	2,298.7	2,249.1	2,224.3	4.9	7.4	124.27	-51.4	-390.2	418.1	408.1	10.06	41.570		
2,400.0	2,398.0	2,345.9	2,319.4	5.1	7.8	125.25	-54.3	-407.5	442.5	432.0	10.52	42.066		
2,500.0	2,497.4	2,442.6	2,414.6	5.4	8.2	126.12	-57.2	-424.8	467.0	456.0	10.99	42.494		
2,600.0	2,596.8	2,539.3	2,509.7	5.6	8.6	126.91	-60.1	-442.1	491.5	480.1	11.47	42.866		
2,700.0	2,696.1	2,636.0	2,604.8	5.8	9.0	127.63	-63.0	-459.3	516.2	504.2	11.95	43.190		
2,800.0	2,795.5	2,732.8	2,699.9	6.1	9.4	128.28	-65.9	-476.6	540.9	528.4	12.44	43.473		
2,900.0	2,894.9	2,829.5	2,795.0	6.3	9.8	128.87	-68.8	-493.9	565.6	552.7	12.94	43.722		
3,000.0	2,994.2	2,926.2	2,890.2	6.6	10.2	129.42	-71.7	-511.2	590.5	577.0	13.44	43.941		
3,100.0	3,093.6	3,022.9	2,985.3	6.9	10.6	129.92	-74.6	-528.4	615.3	601.4	13.94	44.135		
3,200.0	3,193.0	3,119.7	3,080.4	7.1	11.0	130.38	-77.5	-545.7	640.2	625.8	14.45	44.308		
3,300.0	3,292.3	3,216.4	3,175.5	7.4	11.4	130.80	-80.4	-563.0	665.2	650.2	14.96	44.463		
3,400.0	3,391.7	3,313.1	3,270.7	7.7	11.8	131.20	-83.3	-580.3	690.2	674.7	15.47	44.601		
3,500.0	3,491.1	3,409.8	3,365.8	8.0	12.2	131.57	-86.2	-597.5	715.2	699.2	15.99	44.725		
3,600.0	3,590.5	3,506.6	3,460.9	8.2	12.6	131.96	-89.1	-614.8	740.2	723.7	16.51	44.820		
3,700.0	3,690.0	3,603.6	3,556.4	8.5	13.0	132.45	-92.0	-632.2	764.1	747.0	17.04	44.828		
3,800.0	3,789.8	3,701.1	3,652.3	8.7	13.4	132.77	-95.0	-649.6	786.2	768.7	17.56	44.773		
3,900.0	3,889.7	3,799.0	3,748.5	8.9	13.8	132.91	-97.9	-667.1	806.6	788.6	18.06	44.663		
4,000.0	3,989.7	3,897.2	3,845.1	9.1	14.2	132.91	-100.8	-684.6	825.3	806.8	18.54	44.508		
4,100.0	4,089.7	3,995.5	3,941.8	9.3	14.6	-86.46	-103.8	-702.2	843.0	824.0	18.99	44.402		
4,200.0	4,189.7	4,093.9	4,038.6	9.5	15.1	-86.73	-106.7	-719.7	860.7	841.2	19.44	44.276		
4,300.0	4,289.7	4,192.2	4,135.3	9.7	15.5	-87.00	-109.7	-737.3	878.3	858.4	19.89	44.155		
4,400.0	4,389.7	4,290.6	4,232.0	9.9	15.9	-87.25	-112.7	-754.9	896.0	875.7	20.35	44.038		
4,500.0	4,489.7	4,388.9	4,328.7	10.1	16.3	-87.49	-115.6	-772.4	913.8	893.0	20.80	43.926		
4,600.0	4,589.7	4,487.3	4,425.4	10.3	16.7	-87.72	-118.6	-790.0	931.5	910.2	21.26	43.817		
4,700.0	4,689.7	4,585.6	4,522.2	10.5	17.1	-87.95	-121.5	-807.6	949.2	927.5	21.72	43.713		
4,800.0	4,789.7	4,684.0	4,618.9	10.7	17.5	-88.16	-124.5	-825.1	967.0	944.8	22.17	43.612		
4,900.0	4,889.7	4,782.3	4,715.6	10.9	17.9	-88.37	-127.4	-842.7	984.8	962.1	22.63	43.515		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
Project:	SEC.30-T1N-R65W	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #2 (8-5-14)	Offset TVD Reference:	Offset Datum

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
Project:	SEC.30-T1N-R65W	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #2 (8-5-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	1.0	1.0	0.0	0.0	-92.33	-3.6	-89.6	89.7	89.7	0.00	N/A		
100.0	100.0	101.0	101.0	0.1	0.1	-92.33	-3.6	-89.6	89.7	89.5	0.23	395.156		
200.0	200.0	201.0	201.0	0.3	0.3	-92.33	-3.6	-89.6	89.7	89.0	0.68	132.594		
300.0	300.0	301.0	301.0	0.6	0.6	-92.33	-3.6	-89.6	89.7	88.6	1.13	79.662		
400.0	400.0	401.0	401.0	0.8	0.8	-92.33	-3.6	-89.6	89.7	88.1	1.58	56.934		
500.0	500.0	501.0	501.0	1.0	1.0	-92.33	-3.6	-89.6	89.7	87.7	2.03	44.296		
566.3	566.3	567.3	567.3	1.2	1.2	-92.33	-3.6	-89.6	89.7	87.4	2.32	38.611 CC		
600.0	600.0	600.0	600.0	1.2	1.2	-92.33	-3.6	-89.6	89.7	87.2	2.47	36.285 ES		
700.0	700.0	697.9	697.9	1.5	1.4	-92.51	-4.0	-91.3	91.4	88.5	2.90	31.499		
800.0	800.0	794.7	794.5	1.7	1.6	-93.00	-5.0	-96.1	96.4	93.1	3.32	29.012		
900.0	900.0	891.0	890.5	1.9	1.9	-93.70	-6.7	-104.1	104.8	101.1	3.76	27.877		
1,000.0	1,000.0	986.6	985.5	2.1	2.1	-94.52	-9.1	-115.1	116.5	112.3	4.21	27.657		
1,100.0	1,100.0	1,084.1	1,081.9	2.4	2.4	-95.34	-12.1	-128.9	130.9	126.2	4.69	27.920		
1,200.0	1,200.0	1,183.0	1,179.7	2.6	2.7	-96.03	-15.1	-143.1	145.5	140.3	5.17	28.121		
1,300.0	1,300.0	1,281.9	1,277.6	2.8	3.0	-96.58	-18.2	-157.3	160.1	154.4	5.67	28.251		
1,400.0	1,400.0	1,380.8	1,375.4	3.0	3.3	-97.05	-21.2	-171.5	174.7	168.6	6.17	28.335		
1,500.0	1,500.0	1,479.8	1,473.3	3.3	3.6	-97.44	-24.2	-185.8	189.4	182.7	6.67	28.390		
1,600.0	1,600.0	1,578.7	1,571.1	3.5	4.0	-97.77	-27.3	-200.0	204.0	196.9	7.18	28.426		
1,700.0	1,700.0	1,677.6	1,668.9	3.7	4.3	-98.06	-30.3	-214.2	218.7	211.0	7.69	28.448		
1,800.0	1,800.0	1,776.5	1,766.8	3.9	4.7	-98.32	-33.4	-228.4	233.4	225.2	8.20	28.461		
1,900.0	1,900.0	1,875.3	1,864.5	4.1	5.0	120.63	-36.4	-242.6	248.7	240.5	8.23	30.216		
2,000.0	1,999.9	1,973.9	1,962.0	4.3	5.3	120.94	-39.5	-256.8	265.3	256.7	8.64	30.717		
2,100.0	2,099.7	2,072.1	2,059.2	4.5	5.7	121.63	-42.5	-270.9	283.4	274.3	9.05	31.307		
2,200.0	2,199.3	2,170.0	2,156.0	4.7	6.0	122.61	-45.5	-285.0	302.8	293.4	9.47	31.974		
2,300.0	2,298.7	2,267.6	2,252.5	4.9	6.4	123.91	-48.5	-299.0	323.5	313.6	9.91	32.644		
2,400.0	2,398.0	2,365.1	2,349.0	5.1	6.7	125.14	-51.5	-313.0	344.4	334.0	10.36	33.233		
2,500.0	2,497.4	2,462.7	2,445.5	5.4	7.1	126.23	-54.5	-327.0	365.4	354.6	10.83	33.757		
2,600.0	2,596.8	2,560.2	2,542.0	5.6	7.4	127.20	-57.5	-341.0	386.6	375.3	11.29	34.224		
2,700.0	2,696.1	2,657.8	2,638.5	5.8	7.8	128.07	-60.5	-355.1	407.8	396.0	11.77	34.642		
2,800.0	2,795.5	2,755.3	2,734.9	6.1	8.1	128.85	-63.5	-369.1	429.1	416.9	12.25	35.018		
2,900.0	2,894.9	2,852.8	2,831.4	6.3	8.5	129.56	-66.5	-383.1	450.5	437.7	12.74	35.357		
3,000.0	2,994.2	2,950.4	2,927.9	6.6	8.8	130.21	-69.6	-397.1	471.9	458.7	13.23	35.664		
3,100.0	3,093.6	3,047.9	3,024.4	6.9	9.2	130.80	-72.6	-411.1	493.4	479.7	13.73	35.942		
3,200.0	3,193.0	3,145.5	3,120.9	7.1	9.5	131.34	-75.6	-425.2	515.0	500.7	14.23	36.195		
3,300.0	3,292.3	3,243.0	3,217.4	7.4	9.9	131.83	-78.6	-439.2	536.5	521.8	14.73	36.427		
3,400.0	3,391.7	3,340.5	3,313.8	7.7	10.2	132.29	-81.6	-453.2	558.2	542.9	15.23	36.640		
3,500.0	3,491.1	3,438.1	3,410.3	8.0	10.6	132.72	-84.6	-467.2	579.8	564.1	15.74	36.835		
3,600.0	3,590.5	3,535.6	3,506.8	8.2	10.9	133.15	-87.6	-481.2	601.5	585.2	16.25	37.004		
3,700.0	3,690.0	3,633.5	3,603.6	8.5	11.3	133.62	-90.6	-495.3	621.9	605.2	16.77	37.096		
3,800.0	3,789.8	3,731.7	3,700.8	8.7	11.6	133.89	-93.6	-509.4	640.7	623.4	17.27	37.108		
3,900.0	3,889.7	3,830.3	3,798.2	8.9	12.0	133.96	-96.7	-523.6	657.6	639.9	17.75	37.051		
4,000.0	3,989.7	3,929.0	3,895.9	9.1	12.3	133.85	-99.7	-537.8	672.8	654.5	18.22	36.933		
4,100.0	4,089.7	4,028.0	3,993.8	9.3	12.7	-85.59	-102.8	-552.0	686.9	668.2	18.65	36.823		
4,200.0	4,189.7	4,126.9	4,091.6	9.5	13.0	-85.93	-105.8	-566.2	701.0	681.9	19.10	36.701		
4,300.0	4,289.7	4,225.8	4,189.5	9.7	13.4	-86.26	-108.8	-580.4	715.1	695.6	19.55	36.585		
4,400.0	4,389.7	4,324.7	4,287.3	9.9	13.8	-86.58	-111.9	-594.6	729.3	709.3	20.00	36.473		
4,500.0	4,489.7	4,423.6	4,385.1	10.1	14.1	-86.88	-114.9	-608.9	743.5	723.0	20.44	36.367		
4,600.0	4,589.7	4,522.5	4,483.0	10.3	14.5	-87.17	-118.0	-623.1	757.7	736.8	20.89	36.265		
4,700.0	4,689.7	4,621.4	4,580.8	10.5	14.8	-87.45	-121.0	-637.3	771.9	750.6	21.34	36.167		
4,800.0	4,789.7	4,720.4	4,678.7	10.7	15.2	-87.72	-124.1	-651.5	786.1	764.3	21.79	36.073		
4,900.0	4,889.7	4,819.3	4,776.5	10.9	15.5	-87.98	-127.1	-665.7	800.4	778.1	22.24	35.983		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
Project:	SEC.30-T1N-R65W	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #2 (8-5-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference				Offset			Semi Major Axis			Distance				Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.0	4,989.7	4,918.2	4,874.3	11.1	15.9	-88.24	-130.2	-679.9	814.7	792.0	22.70	35.896		
5,100.0	5,089.7	5,017.1	4,972.2	11.3	16.3	-88.48	-133.2	-694.1	829.0	805.8	23.15	35.813		
5,200.0	5,189.7	5,116.0	5,070.0	11.5	16.6	-88.71	-136.3	-708.4	843.3	819.7	23.60	35.732		
5,300.0	5,289.7	5,214.9	5,167.9	11.7	17.0	-88.94	-139.3	-722.6	857.6	833.5	24.05	35.655		
5,400.0	5,389.7	5,313.8	5,265.7	11.9	17.3	-89.16	-142.4	-736.8	871.9	847.4	24.51	35.580		
5,500.0	5,489.7	5,412.8	5,363.5	12.1	17.7	-89.37	-145.4	-751.0	886.2	861.3	24.96	35.508		
5,600.0	5,589.7	5,511.7	5,461.4	12.4	18.0	-89.58	-148.5	-765.2	900.6	875.2	25.41	35.438		
5,700.0	5,689.7	5,610.6	5,559.2	12.6	18.4	-89.78	-151.5	-779.4	914.9	889.1	25.87	35.371		
5,800.0	5,789.7	5,746.2	5,693.6	12.8	18.8	-90.01	-155.2	-796.7	927.8	901.4	26.36	35.196		
5,900.0	5,889.7	5,892.3	5,839.3	13.0	19.1	-90.17	-157.7	-808.3	935.7	908.9	26.83	34.876		
6,000.0	5,989.7	6,039.4	5,986.3	13.2	19.3	-90.22	-158.6	-812.7	938.7	911.4	27.29	34.396		
6,100.0	6,089.7	6,143.8	6,090.7	13.4	19.4	-90.22	-158.6	-812.7	938.7	911.0	27.69	33.900		
6,200.0	6,189.7	6,243.8	6,190.7	13.6	19.6	-90.22	-158.6	-812.7	938.7	910.7	28.09	33.425		
6,300.0	6,289.7	6,343.8	6,290.7	13.8	19.7	-90.22	-158.6	-812.7	938.7	910.3	28.48	32.961		
6,400.0	6,389.7	6,443.8	6,390.7	14.0	19.9	-90.22	-158.6	-812.7	938.7	909.9	28.88	32.508		
6,500.0	6,489.7	6,543.8	6,490.7	14.3	20.0	-90.22	-158.6	-812.7	938.7	909.5	29.28	32.066		
6,600.0	6,589.7	6,643.8	6,590.7	14.5	20.2	-90.22	-158.6	-812.7	938.7	909.1	29.67	31.634		
6,700.0	6,689.7	6,743.8	6,690.7	14.7	20.3	-90.22	-158.6	-812.7	938.7	908.7	30.08	31.213		
6,800.0	6,789.7	6,844.0	6,790.8	14.9	20.4	-90.21	-158.5	-812.7	938.7	908.3	30.48	30.801		
6,871.5	6,861.2	6,915.7	6,862.2	15.1	20.5	-89.80	-151.7	-812.7	938.7	908.0	30.76	30.518		
6,900.0	6,889.7	6,943.5	6,889.5	15.1	20.6	-89.47	-146.4	-812.7	938.7	907.9	30.87	30.410		
7,000.0	6,989.7	7,035.4	6,977.1	15.3	20.7	-88.01	-118.8	-812.6	939.4	908.1	31.24	30.065		
7,100.0	7,088.8	7,120.6	7,052.7	15.5	20.7	-86.00	-79.8	-812.5	941.3	909.8	31.56	29.828		
7,200.0	7,183.7	7,200.0	7,116.6	15.7	20.7	-84.16	-32.9	-812.3	944.2	912.4	31.80	29.696		
7,300.0	7,271.1	7,280.5	7,173.4	15.8	20.8	-82.43	24.1	-812.1	947.7	915.7	32.01	29.606		
7,400.0	7,347.5	7,356.9	7,218.5	15.9	20.8	-80.95	85.6	-811.9	951.3	919.0	32.26	29.483		
7,500.0	7,410.4	7,431.6	7,253.5	16.0	20.9	-79.75	151.5	-811.6	954.6	921.9	32.65	29.234		
7,600.0	7,457.2	7,500.0	7,277.0	16.4	21.1	-78.87	215.8	-811.4	957.3	924.1	33.25	28.794		
7,700.0	7,486.4	7,577.9	7,293.3	16.9	21.3	-78.24	291.9	-811.1	959.2	925.0	34.21	28.036		
7,800.0	7,496.8	7,650.9	7,298.0	17.6	21.6	-77.99	364.7	-810.9	960.0	924.5	35.49	27.053		
7,900.0	7,496.5	7,750.0	7,297.6	18.5	22.1	-77.98	463.8	-810.5	960.1	922.9	37.22	25.797		
8,000.0	7,496.2	7,850.0	7,297.1	19.5	22.9	-77.97	563.8	-810.2	960.2	921.0	39.22	24.484		
8,100.0	7,495.8	7,950.0	7,296.6	20.7	23.8	-77.97	663.8	-809.8	960.3	918.8	41.46	23.162		
8,200.0	7,495.5	8,050.0	7,296.2	21.9	24.8	-77.96	763.7	-809.4	960.3	916.4	43.91	21.871		
8,300.0	7,495.1	8,150.0	7,295.7	23.3	26.0	-77.95	863.7	-809.1	960.4	913.9	46.53	20.639		
8,400.0	7,494.8	8,250.0	7,295.2	24.7	27.3	-77.95	963.7	-808.7	960.5	911.2	49.30	19.481		
8,500.0	7,494.4	8,350.0	7,294.8	26.2	28.6	-77.94	1,063.7	-808.4	960.6	908.4	52.20	18.402		
8,600.0	7,494.1	8,450.0	7,294.3	27.7	30.0	-77.93	1,163.7	-808.0	960.7	905.5	55.20	17.404		
8,700.0	7,493.7	8,550.0	7,293.8	29.3	31.5	-77.93	1,263.7	-807.7	960.7	902.5	58.28	16.484		
8,800.0	7,493.4	8,650.0	7,293.3	30.9	33.0	-77.92	1,363.7	-807.3	960.8	899.4	61.44	15.637		
8,900.0	7,493.0	8,750.0	7,292.9	32.6	34.6	-77.91	1,463.7	-807.0	960.9	896.2	64.67	14.859		
9,000.0	7,492.7	8,850.0	7,292.4	34.2	36.2	-77.91	1,563.7	-806.6	961.0	893.0	67.95	14.143		
9,100.0	7,492.4	8,950.0	7,291.9	35.9	37.8	-77.90	1,663.7	-806.2	961.1	889.8	71.27	13.485		
9,200.0	7,492.0	9,050.0	7,291.5	37.7	39.4	-77.90	1,763.7	-805.9	961.1	886.5	74.64	12.878		
9,300.0	7,491.7	9,150.0	7,291.0	39.4	41.1	-77.89	1,863.7	-805.5	961.2	883.2	78.04	12.317		
9,400.0	7,491.3	9,250.0	7,290.5	41.2	42.8	-77.88	1,963.7	-805.2	961.3	879.8	81.47	11.799		
9,500.0	7,491.0	9,350.0	7,290.0	42.9	44.5	-77.88	2,063.7	-804.8	961.4	876.4	84.93	11.320		
9,600.0	7,490.6	9,450.0	7,289.6	44.7	46.2	-77.87	2,163.7	-804.5	961.4	873.0	88.41	10.875		
9,700.0	7,490.3	9,550.0	7,289.1	46.5	48.0	-77.86	2,263.7	-804.1	961.5	869.6	91.91	10.461		
9,800.0	7,489.9	9,650.0	7,288.6	48.3	49.7	-77.86	2,363.7	-803.8	961.6	866.2	95.44	10.076		
9,900.0	7,489.6	9,750.0	7,288.2	50.1	51.5	-77.85	2,463.7	-803.4	961.7	862.7	98.98	9.716		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
Project:	SEC.30-T1N-R65W	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #2 (8-5-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
10,000.0	7,489.2	9,850.0	7,287.7	51.9	53.3	-77.84	2,563.7	-803.0	961.8	859.2	102.53	9.380		
10,100.0	7,488.9	9,950.0	7,287.2	53.7	55.1	-77.84	2,663.7	-802.7	961.8	855.7	106.10	9.065		
10,200.0	7,488.5	10,050.0	7,286.7	55.6	56.8	-77.83	2,763.7	-802.3	961.9	852.2	109.68	8.770		
10,300.0	7,488.2	10,150.0	7,286.3	57.4	58.6	-77.82	2,863.7	-802.0	962.0	848.7	113.27	8.493		
10,400.0	7,487.8	10,250.0	7,285.8	59.2	60.5	-77.82	2,963.7	-801.6	962.1	845.2	116.87	8.232		
10,500.0	7,487.5	10,350.0	7,285.3	61.1	62.3	-77.81	3,063.7	-801.3	962.2	841.7	120.48	7.986		
10,600.0	7,487.1	10,450.0	7,284.9	62.9	64.1	-77.81	3,163.7	-800.9	962.2	838.1	124.10	7.754		
10,700.0	7,486.8	10,550.0	7,284.4	64.8	65.9	-77.80	3,263.7	-800.6	962.3	834.6	127.73	7.534		
10,800.0	7,486.4	10,650.0	7,283.9	66.6	67.7	-77.79	3,363.7	-800.2	962.4	831.0	131.36	7.326		
10,900.0	7,486.1	10,750.0	7,283.4	68.5	69.6	-77.79	3,463.7	-799.8	962.5	827.5	135.00	7.129		
11,000.0	7,485.7	10,850.0	7,283.0	70.4	71.4	-77.78	3,563.7	-799.5	962.6	823.9	138.65	6.943		
11,100.0	7,485.4	10,950.0	7,282.5	72.2	73.3	-77.77	3,663.7	-799.1	962.6	820.3	142.30	6.765		
11,200.0	7,485.0	11,050.0	7,282.0	74.1	75.1	-77.77	3,763.7	-798.8	962.7	816.8	145.95	6.596		
11,300.0	7,484.7	11,150.0	7,281.6	76.0	77.0	-77.76	3,863.7	-798.4	962.8	813.2	149.61	6.435		
11,400.0	7,484.3	11,250.0	7,281.1	77.8	78.8	-77.75	3,963.7	-798.1	962.9	809.6	153.28	6.282		
11,500.0	7,484.0	11,350.0	7,280.6	79.7	80.7	-77.75	4,063.7	-797.7	963.0	806.0	156.94	6.136		
11,600.0	7,483.6	11,450.0	7,280.1	81.6	82.5	-77.74	4,163.7	-797.4	963.0	802.4	160.62	5.996		
11,700.0	7,483.3	11,550.0	7,279.7	83.5	84.4	-77.73	4,263.7	-797.0	963.1	798.8	164.29	5.862		
11,800.0	7,482.9	11,650.0	7,279.2	85.3	86.2	-77.73	4,363.7	-796.6	963.2	795.2	167.97	5.734		
11,900.0	7,482.6	11,750.0	7,278.7	87.2	88.1	-77.72	4,463.7	-796.3	963.3	791.6	171.65	5.612		
12,000.0	7,482.2	11,850.0	7,278.3	89.1	90.0	-77.72	4,563.7	-795.9	963.3	788.0	175.33	5.494		
12,030.8	7,482.1	11,880.8	7,278.1	89.7	90.5	-77.71	4,594.5	-795.8	963.4	786.9	176.47	5.459		
12,065.9	7,482.0	11,905.5	7,278.0	90.3	91.0	-77.71	4,619.2	-795.7	963.5	785.9	177.57	5.426 SF		

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
Project:	SEC.30-T1N-R65W	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #2 (8-5-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference													Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	1.0	1.0	0.0	0.0	-90.00	0.0	-75.6	75.6	75.6	0.00	N/A		
100.0	100.0	101.0	101.0	0.1	0.1	-90.00	0.0	-75.6	75.6	75.4	0.23	333.138		
200.0	200.0	201.0	201.0	0.3	0.3	-90.00	0.0	-75.6	75.6	75.0	0.68	111.784		
300.0	300.0	301.0	301.0	0.6	0.6	-90.00	0.0	-75.6	75.6	74.5	1.13	67.160		
400.0	400.0	401.0	401.0	0.8	0.8	-90.00	0.0	-75.6	75.6	74.1	1.58	47.999		
500.0	500.0	501.0	501.0	1.0	1.0	-90.00	0.0	-75.6	75.6	73.6	2.03	37.344		
600.0	600.0	601.0	601.0	1.2	1.2	-90.00	0.0	-75.6	75.6	73.2	2.47	30.560		
700.0	700.0	701.0	701.0	1.5	1.5	-90.00	0.0	-75.6	75.6	72.7	2.92	25.862		
766.3	766.3	767.3	767.3	1.6	1.6	-90.00	0.0	-75.6	75.6	72.4	3.22	23.469 CC		
800.0	800.0	800.0	800.0	1.7	1.7	-90.00	0.0	-75.6	75.6	72.3	3.37	22.433 ES		
900.0	900.0	898.4	898.4	1.9	1.9	-90.31	-0.4	-77.3	77.3	73.5	3.80	20.339		
1,000.0	1,000.0	995.7	995.5	2.1	2.1	-91.15	-1.7	-82.1	82.3	78.1	4.22	19.500		
1,100.0	1,100.0	1,092.5	1,092.0	2.4	2.3	-92.34	-3.7	-90.1	90.6	86.0	4.65	19.478		
1,200.0	1,200.0	1,188.6	1,187.4	2.6	2.5	-93.68	-6.5	-101.1	102.2	97.1	5.10	20.054		
1,300.0	1,300.0	1,286.1	1,283.9	2.8	2.8	-94.98	-10.0	-114.9	116.6	111.0	5.57	20.953		
1,400.0	1,400.0	1,385.0	1,381.7	3.0	3.1	-96.03	-13.7	-129.2	131.3	125.3	6.05	21.720		
1,500.0	1,500.0	1,483.9	1,479.5	3.3	3.4	-96.87	-17.3	-143.4	146.0	139.5	6.53	22.351		
1,600.0	1,600.0	1,582.8	1,577.3	3.5	3.7	-97.56	-20.9	-157.6	160.8	153.7	7.03	22.878		
1,700.0	1,700.0	1,681.7	1,675.1	3.7	4.0	-98.13	-24.5	-171.9	175.5	168.0	7.53	23.322		
1,800.0	1,800.0	1,780.6	1,772.9	3.9	4.4	-98.61	-28.2	-186.1	190.3	182.3	8.03	23.702		
1,900.0	1,900.0	1,879.4	1,870.6	4.1	4.7	120.20	-31.8	-200.3	205.7	197.6	8.18	25.166		
2,000.0	1,999.9	1,978.0	1,968.0	4.3	5.0	120.49	-35.4	-214.5	222.5	213.9	8.58	25.932		
2,100.0	2,099.7	2,076.2	2,065.2	4.5	5.4	121.24	-39.0	-228.6	240.6	231.6	8.99	26.760		
2,200.0	2,199.3	2,174.1	2,162.0	4.7	5.7	122.32	-42.6	-242.7	260.1	250.7	9.41	27.645		
2,300.0	2,298.7	2,271.7	2,258.5	4.9	6.0	123.74	-46.2	-256.8	280.8	271.0	9.85	28.522		
2,400.0	2,398.0	2,369.3	2,355.0	5.1	6.4	125.04	-49.8	-270.8	301.8	291.5	10.30	29.305		
2,500.0	2,497.4	2,466.9	2,451.5	5.4	6.7	126.18	-53.4	-284.9	322.8	312.1	10.76	30.008		
2,600.0	2,596.8	2,564.4	2,548.0	5.6	7.1	127.17	-57.0	-298.9	344.0	332.8	11.23	30.640		
2,700.0	2,696.1	2,662.0	2,644.5	5.8	7.4	128.05	-60.5	-312.9	365.3	353.6	11.70	31.211		
2,800.0	2,795.5	2,759.6	2,741.0	6.1	7.8	128.84	-64.1	-327.0	386.6	374.4	12.18	31.727		
2,900.0	2,894.9	2,857.1	2,837.5	6.3	8.1	129.54	-67.7	-341.0	408.0	395.3	12.67	32.196		
3,000.0	2,994.2	2,954.7	2,933.9	6.6	8.5	130.17	-71.3	-355.1	429.4	416.3	13.16	32.622		
3,100.0	3,093.6	3,052.3	3,030.4	6.9	8.8	130.74	-74.9	-369.1	450.9	437.3	13.66	33.011		
3,200.0	3,193.0	3,149.8	3,126.9	7.1	9.2	131.26	-78.4	-383.2	472.5	458.3	14.16	33.367		
3,300.0	3,292.3	3,247.4	3,223.4	7.4	9.5	131.74	-82.0	-397.2	494.0	479.4	14.66	33.694		
3,400.0	3,391.7	3,345.0	3,319.9	7.7	9.9	132.17	-85.6	-411.3	515.6	500.4	15.17	33.994		
3,500.0	3,491.1	3,442.5	3,416.4	8.0	10.2	132.57	-89.2	-425.3	537.2	521.6	15.68	34.271		
3,600.0	3,590.5	3,540.1	3,512.9	8.2	10.6	132.98	-92.8	-439.3	558.9	542.7	16.19	34.518		
3,700.0	3,690.0	3,638.0	3,609.6	8.5	10.9	133.42	-96.4	-453.4	579.3	562.6	16.70	34.686		
3,800.0	3,789.8	3,736.2	3,706.8	8.7	11.3	133.64	-100.0	-467.6	598.0	580.8	17.20	34.767		
3,900.0	3,889.7	3,834.7	3,804.2	8.9	11.6	133.65	-103.6	-481.8	614.9	597.2	17.68	34.774		
4,000.0	3,989.7	3,933.5	3,901.9	9.1	12.0	133.48	-107.2	-496.0	630.1	611.9	18.15	34.716		
4,100.0	4,089.7	4,032.4	3,999.7	9.3	12.3	-86.03	-110.8	-510.2	644.2	625.6	18.59	34.658		
4,200.0	4,189.7	4,131.3	4,097.5	9.5	12.7	-86.43	-114.5	-524.4	658.3	639.3	19.03	34.587		
4,300.0	4,289.7	4,230.2	4,195.3	9.7	13.0	-86.82	-118.1	-538.7	672.5	653.0	19.48	34.520		
4,400.0	4,389.7	4,329.1	4,293.1	9.9	13.4	-87.20	-121.7	-552.9	686.7	666.8	19.93	34.456		
4,500.0	4,489.7	4,428.0	4,390.9	10.1	13.8	-87.55	-125.4	-567.1	700.9	680.5	20.38	34.395		
4,600.0	4,589.7	4,526.9	4,488.7	10.3	14.1	-87.89	-129.0	-581.4	715.2	694.3	20.83	34.338		
4,700.0	4,689.7	4,625.8	4,586.5	10.5	14.5	-88.22	-132.6	-595.6	729.4	708.2	21.28	34.283		
4,800.0	4,789.7	4,724.6	4,684.3	10.7	14.8	-88.54	-136.3	-609.8	743.7	722.0	21.73	34.230		
4,900.0	4,889.7	4,823.5	4,782.1	10.9	15.2	-88.85	-139.9	-624.1	758.0	735.9	22.18	34.180		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
Project:	SEC.30-T1N-R65W	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #2 (8-5-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference				Offset			Semi Major Axis			Distance			Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.0	4,989.7	4,922.4	4,879.9	11.1	15.6	-89.14	-143.5	-638.3	772.4	749.8	22.63	34.133		
5,100.0	5,089.7	5,021.3	4,977.6	11.3	15.9	-89.42	-147.2	-652.5	786.7	763.7	23.08	34.087		
5,200.0	5,189.7	5,120.6	5,075.8	11.5	16.3	-89.70	-150.8	-666.8	801.1	777.6	23.53	34.042		
5,300.0	5,289.7	5,257.1	5,211.2	11.7	16.6	-90.00	-155.0	-683.3	813.2	789.2	24.02	33.859		
5,400.0	5,389.7	5,394.9	5,348.6	11.9	16.9	-90.18	-157.6	-693.5	820.6	796.2	24.47	33.534		
5,500.0	5,489.7	5,533.4	5,487.1	12.1	17.1	-90.25	-158.6	-697.4	823.4	798.5	24.92	33.045		
5,600.0	5,589.7	5,637.0	5,590.7	12.4	17.3	-90.25	-158.6	-697.4	823.4	798.1	25.32	32.525		
5,700.0	5,689.7	5,737.0	5,690.7	12.6	17.4	-90.25	-158.6	-697.4	823.4	797.7	25.71	32.026		
5,800.0	5,789.7	5,837.0	5,790.7	12.8	17.6	-90.25	-158.6	-697.4	823.4	797.3	26.11	31.541		
5,900.0	5,889.7	5,937.0	5,890.7	13.0	17.7	-90.25	-158.6	-697.4	823.4	796.9	26.50	31.068		
6,000.0	5,989.7	6,037.0	5,990.7	13.2	17.9	-90.25	-158.6	-697.4	823.4	796.5	26.90	30.607		
6,100.0	6,089.7	6,137.0	6,090.7	13.4	18.0	-90.25	-158.6	-697.4	823.4	796.1	27.30	30.159		
6,200.0	6,189.7	6,237.0	6,190.7	13.6	18.2	-90.25	-158.6	-697.4	823.4	795.7	27.71	29.721		
6,300.0	6,289.7	6,337.0	6,290.7	13.8	18.3	-90.25	-158.6	-697.4	823.4	795.3	28.11	29.295		
6,400.0	6,389.7	6,437.0	6,390.7	14.0	18.5	-90.25	-158.6	-697.4	823.4	794.9	28.51	28.879		
6,500.0	6,489.7	6,537.0	6,490.7	14.3	18.6	-90.25	-158.6	-697.4	823.4	794.5	28.92	28.474		
6,600.0	6,589.7	6,637.0	6,590.7	14.5	18.8	-90.25	-158.6	-697.4	823.4	794.1	29.33	28.078		
6,700.0	6,689.7	6,737.0	6,690.7	14.7	18.9	-90.25	-158.6	-697.4	823.4	793.7	29.73	27.693		
6,800.0	6,789.7	6,837.0	6,790.8	14.9	19.1	-90.24	-158.4	-697.4	823.4	793.3	30.14	27.317		
6,868.6	6,858.3	6,906.0	6,859.3	15.0	19.2	-89.80	-152.1	-697.4	823.4	793.0	30.42	27.069		
6,900.0	6,889.7	6,936.6	6,889.4	15.1	19.2	-89.40	-146.4	-697.4	823.4	792.9	30.54	26.963		
7,000.0	6,989.7	7,028.5	6,976.9	15.3	19.3	-87.70	-118.8	-697.3	824.2	793.3	30.91	26.661		
7,100.0	7,088.8	7,113.6	7,052.5	15.5	19.4	-85.41	-79.9	-697.1	826.4	795.2	31.22	26.468		
7,200.0	7,183.7	7,195.0	7,117.9	15.7	19.4	-83.28	-31.7	-697.0	829.7	798.3	31.46	26.378		
7,300.0	7,271.1	7,273.5	7,173.2	15.8	19.5	-81.36	24.0	-696.8	833.7	802.0	31.65	26.341		
7,400.0	7,347.5	7,350.0	7,218.5	15.9	19.5	-79.69	85.6	-696.6	837.7	805.8	31.87	26.283		
7,500.0	7,410.4	7,424.5	7,253.4	16.0	19.6	-78.33	151.3	-696.3	841.5	809.2	32.23	26.106		
7,600.0	7,457.2	7,500.0	7,278.9	16.4	19.8	-77.29	222.3	-696.1	844.5	811.7	32.82	25.732		
7,700.0	7,486.4	7,570.8	7,293.2	16.9	20.0	-76.65	291.6	-695.8	846.6	812.9	33.72	25.107		
7,800.0	7,496.8	7,644.2	7,298.0	17.6	20.3	-76.37	364.7	-695.6	847.6	812.6	34.98	24.231		
7,900.0	7,496.5	7,742.8	7,297.6	18.5	20.9	-76.36	463.3	-695.2	847.7	811.0	36.70	23.098		
8,000.0	7,496.2	7,842.8	7,297.1	19.5	21.8	-76.35	563.3	-694.9	847.8	809.1	38.69	21.911		
8,100.0	7,495.8	7,942.8	7,296.6	20.7	22.7	-76.34	663.3	-694.5	847.8	806.9	40.93	20.715		
8,200.0	7,495.5	8,042.8	7,296.2	21.9	23.9	-76.33	763.3	-694.2	847.9	804.6	43.37	19.550		
8,300.0	7,495.1	8,142.8	7,295.7	23.3	25.1	-76.33	863.3	-693.8	848.0	802.0	45.99	18.439		
8,400.0	7,494.8	8,242.8	7,295.2	24.7	26.4	-76.32	963.3	-693.5	848.1	799.3	48.75	17.396		
8,500.0	7,494.4	8,342.8	7,294.8	26.2	27.8	-76.31	1,063.3	-693.1	848.2	796.5	51.64	16.425		
8,600.0	7,494.1	8,442.8	7,294.3	27.7	29.2	-76.31	1,163.3	-692.8	848.3	793.6	54.63	15.528		
8,700.0	7,493.7	8,542.8	7,293.8	29.3	30.7	-76.30	1,263.3	-692.4	848.4	790.7	57.70	14.702		
8,800.0	7,493.4	8,642.8	7,293.3	30.9	32.3	-76.29	1,363.3	-692.0	848.4	787.6	60.85	13.943		
8,900.0	7,493.0	8,742.8	7,292.9	32.6	33.9	-76.28	1,463.3	-691.7	848.5	784.5	64.06	13.245		
9,000.0	7,492.7	8,842.8	7,292.4	34.2	35.5	-76.28	1,563.3	-691.3	848.6	781.3	67.33	12.604		
9,100.0	7,492.4	8,942.8	7,291.9	35.9	37.1	-76.27	1,663.3	-691.0	848.7	778.0	70.64	12.014		
9,200.0	7,492.0	9,042.8	7,291.5	37.7	38.8	-76.26	1,763.3	-690.6	848.8	774.8	73.99	11.471		
9,300.0	7,491.7	9,142.8	7,291.0	39.4	40.5	-76.26	1,863.3	-690.3	848.9	771.5	77.38	10.970		
9,400.0	7,491.3	9,242.8	7,290.5	41.2	42.2	-76.25	1,963.3	-689.9	848.9	768.1	80.79	10.507		
9,500.0	7,491.0	9,342.8	7,290.0	42.9	44.0	-76.24	2,063.3	-689.6	849.0	764.8	84.24	10.079		
9,600.0	7,490.6	9,442.8	7,289.6	44.7	45.7	-76.24	2,163.3	-689.2	849.1	761.4	87.70	9.681		
9,700.0	7,490.3	9,542.8	7,289.1	46.5	47.5	-76.23	2,263.3	-688.9	849.2	758.0	91.19	9.312		
9,800.0	7,489.9	9,642.8	7,288.6	48.3	49.2	-76.22	2,363.3	-688.5	849.3	754.6	94.70	8.968		
9,900.0	7,489.6	9,742.8	7,288.2	50.1	51.0	-76.21	2,463.3	-688.2	849.4	751.1	98.22	8.647		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
Project:	SEC.30-T1N-R65W	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #2 (8-5-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference				Offset			Semi Major Axis			Distance			Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
10,000.0	7,489.2	9,842.8	7,287.7	51.9	52.8	-76.21	2,563.3	-687.8	849.4	747.7	101.76	8.348		
10,100.0	7,488.9	9,942.8	7,287.2	53.7	54.6	-76.20	2,663.3	-687.4	849.5	744.2	105.31	8.067		
10,200.0	7,488.5	10,042.8	7,286.7	55.6	56.4	-76.19	2,763.3	-687.1	849.6	740.7	108.87	7.804		
10,300.0	7,488.2	10,142.8	7,286.3	57.4	58.2	-76.19	2,863.3	-686.7	849.7	737.3	112.44	7.557		
10,400.0	7,487.8	10,242.8	7,285.8	59.2	60.0	-76.18	2,963.3	-686.4	849.8	733.8	116.03	7.324		
10,500.0	7,487.5	10,342.8	7,285.3	61.1	61.8	-76.17	3,063.3	-686.0	849.9	730.2	119.62	7.105		
10,600.0	7,487.1	10,442.8	7,284.9	62.9	63.7	-76.16	3,163.3	-685.7	850.0	726.7	123.22	6.898		
10,700.0	7,486.8	10,542.8	7,284.4	64.8	65.5	-76.16	3,263.3	-685.3	850.0	723.2	126.83	6.702		
10,800.0	7,486.4	10,642.8	7,283.9	66.6	67.3	-76.15	3,363.3	-685.0	850.1	719.7	130.44	6.517		
10,900.0	7,486.1	10,742.8	7,283.4	68.5	69.2	-76.14	3,463.3	-684.6	850.2	716.1	134.06	6.342		
11,000.0	7,485.7	10,842.8	7,283.0	70.4	71.0	-76.14	3,563.3	-684.3	850.3	712.6	137.69	6.176		
11,100.0	7,485.4	10,942.8	7,282.5	72.2	72.9	-76.13	3,663.3	-683.9	850.4	709.1	141.32	6.018		
11,200.0	7,485.0	11,042.8	7,282.0	74.1	74.7	-76.12	3,763.3	-683.6	850.5	705.5	144.95	5.867		
11,300.0	7,484.7	11,142.8	7,281.6	76.0	76.6	-76.11	3,863.3	-683.2	850.5	702.0	148.59	5.724		
11,400.0	7,484.3	11,242.8	7,281.1	77.8	78.4	-76.11	3,963.3	-682.8	850.6	698.4	152.24	5.588		
11,500.0	7,484.0	11,342.8	7,280.6	79.7	80.3	-76.10	4,063.3	-682.5	850.7	694.8	155.88	5.457		
11,600.0	7,483.6	11,442.8	7,280.1	81.6	82.2	-76.09	4,163.3	-682.1	850.8	691.3	159.54	5.333		
11,700.0	7,483.3	11,542.8	7,279.7	83.5	84.0	-76.09	4,263.3	-681.8	850.9	687.7	163.19	5.214		
11,800.0	7,482.9	11,642.8	7,279.2	85.3	85.9	-76.08	4,363.3	-681.4	851.0	684.1	166.85	5.100		
11,900.0	7,482.6	11,742.8	7,278.7	87.2	87.8	-76.07	4,463.3	-681.1	851.1	680.5	170.51	4.991		
12,000.0	7,482.2	11,842.8	7,278.3	89.1	89.6	-76.07	4,563.3	-680.7	851.1	677.0	174.17	4.887		
12,031.2	7,482.1	11,874.0	7,278.1	89.7	90.2	-76.06	4,594.5	-680.6	851.2	675.8	175.32	4.855		
12,065.9	7,482.0	11,899.4	7,278.0	90.3	90.7	-76.06	4,619.9	-680.5	851.2	674.8	176.41	4.825 SF		

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
Project:	SEC.30-T1N-R65W	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #2 (8-5-14)	Offset TVD Reference:	Offset Datum

Offset Design													Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W - Johnson 01N-65W-30-5C - Wellbore #1 - Plan #2 (8)	Offset Site Error:	0.0 ft
Survey Program: 0-MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
0.0	0.0	1.0	1.0	0.0	0.0	-90.00	0.0	-58.8	58.8	58.8	0.00	N/A			
100.0	100.0	101.0	101.0	0.1	0.1	-90.00	0.0	-58.8	58.8	58.6	0.23	259.107			
200.0	200.0	201.0	201.0	0.3	0.3	-90.00	0.0	-58.8	58.8	58.1	0.68	86.943			
300.0	300.0	301.0	301.0	0.6	0.6	-90.00	0.0	-58.8	58.8	57.7	1.13	52.235			
400.0	400.0	401.0	401.0	0.8	0.8	-90.00	0.0	-58.8	58.8	57.2	1.58	37.332			
500.0	500.0	501.0	501.0	1.0	1.0	-90.00	0.0	-58.8	58.8	56.8	2.03	29.045			
600.0	600.0	601.0	601.0	1.2	1.2	-90.00	0.0	-58.8	58.8	56.3	2.47	23.769			
700.0	700.0	701.0	701.0	1.5	1.5	-90.00	0.0	-58.8	58.8	55.9	2.92	20.115			
800.0	800.0	801.0	801.0	1.7	1.7	-90.00	0.0	-58.8	58.8	55.4	3.37	17.435			
900.0	900.0	901.0	901.0	1.9	1.9	-90.00	0.0	-58.8	58.8	55.0	3.82	15.385			
1,000.0	1,000.0	1,001.0	1,001.0	2.1	2.1	-90.00	0.0	-58.8	58.8	54.5	4.27	13.766			
1,100.0	1,100.0	1,101.0	1,101.0	2.4	2.4	-90.00	0.0	-58.8	58.8	54.1	4.72	12.456			
1,166.3	1,166.3	1,167.3	1,167.3	2.5	2.5	-90.00	0.0	-58.8	58.8	53.8	5.02	11.716 CC			
1,200.0	1,200.0	1,201.0	1,201.0	2.6	2.6	-90.00	0.0	-58.8	58.8	53.6	5.17	11.374 ES			
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	-90.53	-0.6	-60.5	60.5	54.9	5.60	10.800			
1,400.0	1,400.0	1,396.9	1,396.7	3.0	3.0	-91.89	-2.1	-65.2	65.4	59.4	6.01	10.876			
1,500.0	1,500.0	1,494.2	1,493.7	3.3	3.2	-93.75	-4.8	-73.1	73.7	67.2	6.44	11.440			
1,600.0	1,600.0	1,590.9	1,589.7	3.5	3.4	-95.75	-8.5	-84.1	85.2	78.4	6.87	12.400			
1,700.0	1,700.0	1,689.0	1,686.7	3.7	3.7	-97.57	-13.0	-97.5	99.4	92.1	7.33	13.565			
1,800.0	1,800.0	1,787.9	1,784.6	3.9	3.9	-98.97	-17.6	-111.2	113.8	106.0	7.79	14.603			
1,900.0	1,900.0	1,886.7	1,882.4	4.1	4.2	119.37	-22.1	-124.9	128.9	120.7	8.13	15.848			
2,000.0	1,999.9	1,985.4	1,980.0	4.3	4.5	119.62	-26.7	-138.6	145.2	136.7	8.52	17.041			
2,100.0	2,099.7	2,083.8	2,077.3	4.5	4.8	120.57	-31.3	-152.2	162.9	154.0	8.92	18.259			
2,200.0	2,199.3	2,181.8	2,174.3	4.7	5.1	121.98	-35.8	-165.8	182.0	172.6	9.33	19.505			
2,300.0	2,298.7	2,279.5	2,271.0	4.9	5.4	123.72	-40.4	-179.4	202.2	192.5	9.75	20.731			
2,400.0	2,398.0	2,377.3	2,367.6	5.1	5.7	125.23	-44.9	-192.9	222.7	212.5	10.19	21.845			
2,500.0	2,497.4	2,475.0	2,464.3	5.4	6.0	126.49	-49.5	-206.5	243.3	232.7	10.65	22.855			
2,600.0	2,596.8	2,572.7	2,561.0	5.6	6.4	127.54	-54.0	-220.0	264.0	252.9	11.11	23.772			
2,700.0	2,696.1	2,670.5	2,657.7	5.8	6.7	128.45	-58.5	-233.5	284.8	273.2	11.57	24.606			
2,800.0	2,795.5	2,768.2	2,754.3	6.1	7.0	129.23	-63.1	-247.1	305.6	293.6	12.05	25.365			
2,900.0	2,894.9	2,865.9	2,851.0	6.3	7.4	129.92	-67.6	-260.6	326.5	314.0	12.53	26.057			
3,000.0	2,994.2	2,963.6	2,947.7	6.6	7.7	130.52	-72.2	-274.2	347.4	334.4	13.02	26.690			
3,100.0	3,093.6	3,061.4	3,044.4	6.9	8.0	131.05	-76.7	-287.7	368.4	354.9	13.51	27.271			
3,200.0	3,193.0	3,159.1	3,141.0	7.1	8.4	131.52	-81.2	-301.3	389.4	375.4	14.00	27.804			
3,300.0	3,292.3	3,256.8	3,237.7	7.4	8.7	131.95	-85.8	-314.8	410.4	395.9	14.50	28.295			
3,400.0	3,391.7	3,354.5	3,334.4	7.7	9.0	132.34	-90.3	-328.4	431.4	416.4	15.01	28.748			
3,500.0	3,491.1	3,452.3	3,431.1	8.0	9.4	132.68	-94.8	-341.9	452.4	436.9	15.51	29.167			
3,600.0	3,590.5	3,550.0	3,527.8	8.2	9.7	133.04	-99.4	-355.5	473.5	457.4	16.02	29.548			
3,700.0	3,690.0	3,648.0	3,624.7	8.5	10.1	133.40	-103.9	-369.0	493.3	476.8	16.53	29.846			
3,800.0	3,789.8	3,746.3	3,722.0	8.7	10.4	133.51	-108.5	-382.7	511.4	494.4	17.02	30.044			
3,900.0	3,889.7	3,845.0	3,819.6	8.9	10.8	133.40	-113.1	-396.3	527.7	510.2	17.50	30.155			
4,000.0	3,989.7	3,943.8	3,917.3	9.1	11.1	133.08	-117.7	-410.0	542.3	524.3	17.96	30.191			
4,100.0	4,089.7	4,042.7	4,015.2	9.3	11.5	-86.59	-122.3	-423.7	555.9	537.5	18.40	30.209			
4,200.0	4,189.7	4,141.6	4,113.1	9.5	11.8	-87.14	-126.8	-437.5	569.5	550.6	18.85	30.215			
4,300.0	4,289.7	4,240.6	4,210.9	9.7	12.2	-87.66	-131.4	-451.2	583.1	563.8	19.29	30.222			
4,400.0	4,389.7	4,339.5	4,308.8	9.9	12.5	-88.16	-136.0	-464.9	596.8	577.1	19.74	30.232			
4,500.0	4,489.7	4,438.4	4,406.6	10.1	12.9	-88.64	-140.6	-478.6	610.6	590.4	20.19	30.242			
4,600.0	4,589.7	4,537.3	4,504.5	10.3	13.2	-89.09	-145.2	-492.3	624.3	603.7	20.64	30.253			
4,700.0	4,689.7	4,642.0	4,608.0	10.5	13.6	-89.55	-150.0	-506.7	638.1	617.0	21.09	30.252			
4,800.0	4,789.7	4,768.2	4,733.4	10.7	13.9	-89.97	-154.7	-520.4	649.0	627.4	21.55	30.113			
4,900.0	4,889.7	4,895.4	4,860.3	10.9	14.1	-90.22	-157.5	-529.0	655.7	633.7	21.99	29.817			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
Project:	SEC.30-T1N-R65W	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #2 (8-5-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference				Offset			Semi Major Axis			Distance				Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.0	4,989.7	5,023.2	4,988.1	11.1	14.3	-90.31	-158.6	-532.2	658.2	635.8	22.42	29.354		
5,100.0	5,089.7	5,125.8	5,090.7	11.3	14.5	-90.31	-158.6	-532.2	658.2	635.4	22.82	28.841		
5,200.0	5,189.7	5,225.8	5,190.7	11.5	14.7	-90.31	-158.6	-532.2	658.2	635.0	23.22	28.347		
5,300.0	5,289.7	5,325.8	5,290.7	11.7	14.8	-90.31	-158.6	-532.2	658.2	634.6	23.62	27.868		
5,400.0	5,389.7	5,425.8	5,390.7	11.9	15.0	-90.31	-158.6	-532.2	658.2	634.2	24.02	27.403		
5,500.0	5,489.7	5,525.8	5,490.7	12.1	15.1	-90.31	-158.6	-532.2	658.2	633.8	24.42	26.951		
5,600.0	5,589.7	5,625.8	5,590.7	12.4	15.3	-90.31	-158.6	-532.2	658.2	633.4	24.83	26.512		
5,700.0	5,689.7	5,725.8	5,690.7	12.6	15.5	-90.31	-158.6	-532.2	658.2	633.0	25.23	26.086		
5,800.0	5,789.7	5,825.8	5,790.7	12.8	15.6	-90.31	-158.6	-532.2	658.2	632.6	25.64	25.671		
5,900.0	5,889.7	5,925.8	5,890.7	13.0	15.8	-90.31	-158.6	-532.2	658.2	632.2	26.05	25.269		
6,000.0	5,989.7	6,025.8	5,990.7	13.2	16.0	-90.31	-158.6	-532.2	658.2	631.8	26.46	24.877		
6,100.0	6,089.7	6,125.8	6,090.7	13.4	16.2	-90.31	-158.6	-532.2	658.2	631.4	26.87	24.496		
6,200.0	6,189.7	6,225.8	6,190.7	13.6	16.3	-90.31	-158.6	-532.2	658.2	630.9	27.28	24.126		
6,300.0	6,289.7	6,325.8	6,290.7	13.8	16.5	-90.31	-158.6	-532.2	658.2	630.5	27.70	23.766		
6,400.0	6,389.7	6,425.8	6,390.7	14.0	16.7	-90.31	-158.6	-532.2	658.2	630.1	28.11	23.415		
6,500.0	6,489.7	6,525.8	6,490.7	14.3	16.9	-90.31	-158.6	-532.2	658.2	629.7	28.53	23.074		
6,600.0	6,589.7	6,625.8	6,590.7	14.5	17.0	-90.31	-158.6	-532.2	658.2	629.3	28.94	22.742		
6,700.0	6,689.7	6,725.8	6,690.7	14.7	17.2	-90.31	-158.6	-532.2	658.2	628.9	29.36	22.419		
6,800.0	6,789.7	6,825.8	6,790.7	14.9	17.4	-90.31	-158.6	-532.2	658.2	628.5	29.78	22.104		
6,900.0	6,889.7	6,925.8	6,890.7	15.1	17.6	-90.31	-158.6	-532.2	658.2	628.0	30.20	21.797		
6,961.5	6,951.2	6,987.3	6,952.2	15.2	17.7	-90.59	-158.6	-532.2	658.2	627.8	30.46	21.609		
7,000.0	6,989.7	7,026.0	6,990.8	15.3	17.7	-90.55	-158.4	-532.2	658.2	627.6	30.62	21.495		
7,100.0	7,088.8	7,127.1	7,091.0	15.5	17.9	-90.54	-146.0	-532.2	658.2	627.3	30.96	21.258		
7,200.0	7,183.7	7,228.2	7,186.9	15.7	18.0	-90.50	-114.4	-532.1	658.3	627.0	31.21	21.091		
7,300.0	7,271.1	7,329.2	7,274.8	15.8	18.1	-90.45	-65.0	-531.9	658.3	626.9	31.42	20.948		
7,400.0	7,347.5	7,430.1	7,351.5	15.9	18.2	-90.38	0.3	-531.7	658.3	626.6	31.71	20.762		
7,500.0	7,410.4	7,530.8	7,414.1	16.0	18.2	-90.30	79.0	-531.4	658.3	626.2	32.18	20.461		
7,600.0	7,457.2	7,631.3	7,460.3	16.4	18.4	-90.21	168.1	-531.1	658.4	625.5	32.92	19.997		
7,700.0	7,486.4	7,731.7	7,488.5	16.9	18.7	-90.11	264.2	-530.7	658.4	624.4	34.01	19.361		
7,800.0	7,496.8	7,831.8	7,497.9	17.6	19.2	-90.00	363.7	-530.4	658.5	623.1	35.42	18.591		
7,900.0	7,496.5	7,931.8	7,497.5	18.5	19.9	-90.00	463.7	-530.0	658.6	621.4	37.17	17.719		
8,000.0	7,496.2	8,031.8	7,497.2	19.5	20.8	-90.00	563.7	-529.7	658.6	619.4	39.19	16.805		
8,100.0	7,495.8	8,131.8	7,496.8	20.7	21.9	-90.00	663.7	-529.3	658.7	617.2	41.47	15.882		
8,200.0	7,495.5	8,231.8	7,496.5	21.9	23.1	-90.00	763.7	-529.0	658.7	614.8	43.97	14.982		
8,300.0	7,495.1	8,331.8	7,496.1	23.3	24.4	-90.00	863.7	-528.6	658.8	612.1	46.65	14.123		
8,400.0	7,494.8	8,431.8	7,495.8	24.7	25.7	-90.00	963.7	-528.2	658.8	609.4	49.48	13.316		
8,500.0	7,494.4	8,531.8	7,495.4	26.2	27.1	-90.00	1,063.7	-527.9	658.9	606.5	52.43	12.567		
8,600.0	7,494.1	8,631.8	7,495.1	27.7	28.6	-90.00	1,163.7	-527.5	658.9	603.4	55.49	11.874		
8,700.0	7,493.7	8,731.8	7,494.7	29.3	30.2	-90.00	1,263.7	-527.2	659.0	600.4	58.65	11.237		
8,800.0	7,493.4	8,831.8	7,494.4	30.9	31.7	-90.00	1,363.7	-526.8	659.1	597.2	61.88	10.651		
8,900.0	7,493.0	8,931.8	7,494.0	32.6	33.3	-90.00	1,463.7	-526.5	659.1	593.9	65.17	10.114		
9,000.0	7,492.7	9,031.8	7,493.7	34.2	35.0	-90.00	1,563.7	-526.1	659.2	590.6	68.52	9.620		
9,100.0	7,492.4	9,131.8	7,493.3	35.9	36.7	-90.00	1,663.7	-525.8	659.2	587.3	71.92	9.166		
9,200.0	7,492.0	9,231.8	7,493.0	37.7	38.3	-90.00	1,763.7	-525.4	659.3	583.9	75.36	8.749		
9,300.0	7,491.7	9,331.8	7,492.6	39.4	40.1	-90.00	1,863.7	-525.1	659.3	580.5	78.83	8.364		
9,400.0	7,491.3	9,431.8	7,492.3	41.2	41.8	-90.00	1,963.7	-524.7	659.4	577.1	82.34	8.008		
9,500.0	7,491.0	9,531.8	7,491.9	42.9	43.5	-90.00	2,063.7	-524.3	659.5	573.6	85.87	7.679		
9,600.0	7,490.6	9,631.8	7,491.6	44.7	45.3	-90.00	2,163.7	-524.0	659.5	570.1	89.43	7.375		
9,700.0	7,490.3	9,731.8	7,491.2	46.5	47.1	-90.00	2,263.7	-523.6	659.6	566.6	93.01	7.091		
9,800.0	7,489.9	9,831.8	7,490.9	48.3	48.8	-90.00	2,363.7	-523.3	659.6	563.0	96.61	6.828		
9,900.0	7,489.6	9,931.8	7,490.5	50.1	50.6	-90.00	2,463.7	-522.9	659.7	559.5	100.22	6.582		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
Project:	SEC.30-T1N-R65W	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #2 (8-5-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft		
Survey Program: 0-MWD													Offset Well Error:	0.0 ft		
Reference													Distance		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Semi Major Axis Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor				
10,000.0	7,489.2	10,031.8	7,490.2	51.9	52.4	-90.00	2,563.7	-522.6	659.7	555.9	103.85	6.352				
10,100.0	7,488.9	10,131.8	7,489.8	53.7	54.2	-90.00	2,663.7	-522.2	659.8	552.3	107.50	6.138				
10,200.0	7,488.5	10,231.8	7,489.5	55.6	56.0	-90.00	2,763.7	-521.9	659.8	548.7	111.16	5.936				
10,300.0	7,488.2	10,331.8	7,489.1	57.4	57.9	-90.00	2,863.7	-521.5	659.9	545.1	114.82	5.747				
10,400.0	7,487.8	10,431.8	7,488.8	59.2	59.7	-90.00	2,963.7	-521.2	660.0	541.5	118.50	5.569				
10,500.0	7,487.5	10,531.8	7,488.4	61.1	61.5	-90.00	3,063.7	-520.8	660.0	537.8	122.19	5.402				
10,600.0	7,487.1	10,631.8	7,488.1	62.9	63.4	-90.00	3,163.7	-520.5	660.1	534.2	125.88	5.243				
10,700.0	7,486.8	10,731.8	7,487.7	64.8	65.2	-90.00	3,263.7	-520.1	660.1	530.5	129.59	5.094				
10,800.0	7,486.4	10,831.8	7,487.4	66.6	67.0	-90.00	3,363.7	-519.7	660.2	526.9	133.30	4.953				
10,900.0	7,486.1	10,931.8	7,487.0	68.5	68.9	-90.00	3,463.7	-519.4	660.2	523.2	137.01	4.819				
11,000.0	7,485.7	11,031.8	7,486.7	70.4	70.7	-90.00	3,563.6	-519.0	660.3	519.6	140.74	4.692				
11,100.0	7,485.4	11,131.8	7,486.3	72.2	72.6	-90.00	3,663.6	-518.7	660.4	515.9	144.47	4.571				
11,200.0	7,485.0	11,231.8	7,486.0	74.1	74.5	-90.00	3,763.6	-518.3	660.4	512.2	148.20	4.456				
11,300.0	7,484.7	11,331.8	7,485.6	76.0	76.3	-90.00	3,863.6	-518.0	660.5	508.5	151.94	4.347				
11,400.0	7,484.3	11,431.8	7,485.3	77.8	78.2	-90.00	3,963.6	-517.6	660.5	504.8	155.68	4.243				
11,500.0	7,484.0	11,531.8	7,484.9	79.7	80.0	-90.00	4,063.6	-517.3	660.6	501.1	159.43	4.143				
11,600.0	7,483.6	11,631.8	7,484.6	81.6	81.9	-90.00	4,163.6	-516.9	660.6	497.5	163.18	4.049				
11,700.0	7,483.3	11,731.8	7,484.2	83.5	83.8	-90.00	4,263.6	-516.6	660.7	493.8	166.93	3.958				
11,800.0	7,482.9	11,831.8	7,483.9	85.3	85.7	-90.00	4,363.6	-516.2	660.7	490.1	170.69	3.871				
11,900.0	7,482.6	11,931.8	7,483.5	87.2	87.5	-90.00	4,463.6	-515.8	660.8	486.4	174.45	3.788				
12,000.0	7,482.2	12,031.8	7,483.2	89.1	89.4	-90.00	4,563.6	-515.5	660.9	482.6	178.21	3.708				
12,032.9	7,482.1	12,064.7	7,483.1	89.7	90.0	-90.00	4,596.6	-515.4	660.9	481.4	179.45	3.683				
12,065.9	7,482.0	12,088.1	7,483.0	90.3	90.5	-90.00	4,619.9	-515.3	661.0	480.5	180.51	3.662 SF				

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
Project:	SEC.30-T1N-R65W	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #2 (8-5-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	1.0	1.0	0.0	0.0	-90.00	0.0	-44.8	44.8	44.8	0.00	N/A		
100.0	100.0	101.0	101.0	0.1	0.1	-90.00	0.0	-44.8	44.8	44.6	0.23	197.415		
200.0	200.0	201.0	201.0	0.3	0.3	-90.00	0.0	-44.8	44.8	44.1	0.68	66.242		
300.0	300.0	301.0	301.0	0.6	0.6	-90.00	0.0	-44.8	44.8	43.7	1.13	39.798		
400.0	400.0	401.0	401.0	0.8	0.8	-90.00	0.0	-44.8	44.8	43.2	1.58	28.444		
500.0	500.0	501.0	501.0	1.0	1.0	-90.00	0.0	-44.8	44.8	42.8	2.03	22.130		
600.0	600.0	601.0	601.0	1.2	1.2	-90.00	0.0	-44.8	44.8	42.3	2.47	18.110		
700.0	700.0	701.0	701.0	1.5	1.5	-90.00	0.0	-44.8	44.8	41.9	2.92	15.326		
800.0	800.0	801.0	801.0	1.7	1.7	-90.00	0.0	-44.8	44.8	41.4	3.37	13.284		
900.0	900.0	901.0	901.0	1.9	1.9	-90.00	0.0	-44.8	44.8	41.0	3.82	11.722		
1,000.0	1,000.0	1,001.0	1,001.0	2.1	2.1	-90.00	0.0	-44.8	44.8	40.5	4.27	10.489		
1,100.0	1,100.0	1,101.0	1,101.0	2.4	2.4	-90.00	0.0	-44.8	44.8	40.1	4.72	9.490		
1,200.0	1,200.0	1,201.0	1,201.0	2.6	2.6	-90.00	0.0	-44.8	44.8	39.6	5.17	8.665		
1,300.0	1,300.0	1,301.0	1,301.0	2.8	2.8	-90.00	0.0	-44.8	44.8	39.2	5.62	7.972		
1,366.3	1,366.3	1,367.3	1,367.3	3.0	3.0	-90.00	0.0	-44.8	44.8	38.9	5.92	7.571 CC		
1,400.0	1,400.0	1,401.0	1,401.0	3.0	3.0	-90.00	0.0	-44.8	44.8	38.7	6.07	7.382 ES		
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.2	-90.95	-0.8	-46.4	46.4	39.9	6.50	7.141		
1,600.0	1,600.0	1,597.9	1,597.7	3.5	3.4	-93.39	-3.0	-50.9	51.1	44.2	6.91	7.403		
1,700.0	1,700.0	1,695.8	1,695.3	3.7	3.6	-96.57	-6.7	-58.5	59.2	51.8	7.33	8.074		
1,800.0	1,800.0	1,793.4	1,792.2	3.9	3.8	-99.78	-11.9	-69.0	70.5	62.8	7.76	9.089		
1,900.0	1,900.0	1,892.5	1,890.4	4.1	4.1	117.41	-17.6	-80.6	83.7	75.6	8.15	10.281		
2,000.0	1,999.9	1,991.4	1,988.5	4.3	4.3	117.33	-23.3	-92.2	98.2	89.7	8.53	11.517		
2,100.0	2,099.7	2,090.2	2,086.4	4.5	4.6	118.39	-29.0	-103.7	113.8	104.9	8.92	12.770		
2,200.0	2,199.3	2,188.6	2,184.0	4.7	4.9	120.14	-34.7	-115.3	130.8	121.5	9.32	14.043		
2,300.0	2,298.7	2,286.8	2,281.4	4.9	5.1	122.24	-40.4	-126.8	148.9	139.2	9.73	15.301		
2,400.0	2,398.0	2,385.0	2,378.7	5.1	5.4	123.97	-46.0	-138.3	167.3	157.1	10.17	16.454		
2,500.0	2,497.4	2,483.2	2,476.1	5.4	5.7	125.36	-51.7	-149.8	185.8	175.1	10.61	17.504		
2,600.0	2,596.8	2,581.4	2,573.4	5.6	6.0	126.50	-57.4	-161.3	204.3	193.2	11.07	18.460		
2,700.0	2,696.1	2,679.6	2,670.8	5.8	6.3	127.44	-63.0	-172.8	222.9	211.4	11.53	19.333		
2,800.0	2,795.5	2,777.8	2,768.1	6.1	6.6	128.25	-68.7	-184.4	241.6	229.6	12.00	20.129		
2,900.0	2,894.9	2,876.0	2,865.5	6.3	6.9	128.93	-74.4	-195.9	260.3	247.8	12.48	20.857		
3,000.0	2,994.2	2,974.2	2,962.8	6.6	7.2	129.53	-80.0	-207.4	279.0	266.1	12.96	21.524		
3,100.0	3,093.6	3,072.3	3,060.2	6.9	7.5	130.05	-85.7	-218.9	297.8	284.3	13.45	22.136		
3,200.0	3,193.0	3,170.5	3,157.5	7.1	7.8	130.50	-91.4	-230.4	316.6	302.6	13.95	22.700		
3,300.0	3,292.3	3,268.7	3,254.9	7.4	8.1	130.91	-97.0	-241.9	335.4	320.9	14.44	23.219		
3,400.0	3,391.7	3,366.9	3,352.2	7.7	8.4	131.28	-102.7	-253.4	354.2	339.3	14.95	23.698		
3,500.0	3,491.1	3,465.1	3,449.5	8.0	8.8	131.60	-108.4	-264.9	373.0	357.6	15.45	24.143		
3,600.0	3,590.5	3,563.3	3,546.9	8.2	9.1	131.93	-114.1	-276.4	391.8	375.9	15.96	24.550		
3,700.0	3,690.0	3,661.7	3,644.5	8.5	9.4	132.21	-119.7	-288.0	409.5	393.0	16.46	24.877		
3,800.0	3,789.8	3,760.4	3,742.3	8.7	9.7	132.20	-125.4	-299.6	425.4	408.5	16.95	25.101		
3,900.0	3,889.7	3,859.4	3,840.4	8.9	10.0	131.92	-131.1	-311.2	439.6	422.2	17.42	25.234		
4,000.0	3,989.7	3,958.5	3,938.7	9.1	10.4	131.41	-136.9	-322.8	452.1	434.2	17.88	25.289		
4,100.0	4,089.7	4,057.6	4,037.0	9.3	10.7	-88.46	-142.6	-334.4	463.7	445.4	18.32	25.315		
4,200.0	4,189.7	4,158.4	4,136.9	9.5	11.0	-89.20	-148.4	-346.2	475.3	456.5	18.76	25.332		
4,300.0	4,289.7	4,275.4	4,253.2	9.7	11.3	-89.87	-153.9	-357.4	484.8	465.6	19.20	25.250		
4,400.0	4,389.7	4,393.2	4,370.8	9.9	11.5	-90.27	-157.3	-364.3	490.7	471.1	19.63	25.004		
4,500.0	4,489.7	4,511.4	4,489.0	10.1	11.7	-90.42	-158.6	-366.9	492.9	472.9	20.04	24.591		
4,600.0	4,589.7	4,613.2	4,590.7	10.3	11.9	-90.42	-158.6	-366.9	492.9	472.5	20.44	24.113		
4,700.0	4,689.7	4,713.2	4,690.7	10.5	12.1	-90.42	-158.6	-366.9	492.9	472.1	20.84	23.652		
4,800.0	4,789.7	4,813.2	4,790.7	10.7	12.3	-90.42	-158.6	-366.9	492.9	471.7	21.24	23.207		
4,900.0	4,889.7	4,913.2	4,890.7	10.9	12.4	-90.42	-158.6	-366.9	492.9	471.3	21.64	22.775		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
Project:	SEC.30-T1N-R65W	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #2 (8-5-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference				Offset			Semi Major Axis			Distance			Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.0	4,989.7	5,013.2	4,990.7	11.1	12.6	-90.42	-158.6	-366.9	492.9	470.9	22.05	22.358		
5,100.0	5,089.7	5,113.2	5,090.7	11.3	12.8	-90.42	-158.6	-366.9	492.9	470.5	22.45	21.954		
5,200.0	5,189.7	5,213.2	5,190.7	11.5	13.0	-90.42	-158.6	-366.9	492.9	470.1	22.86	21.563		
5,300.0	5,289.7	5,313.2	5,290.7	11.7	13.1	-90.42	-158.6	-366.9	492.9	469.7	23.27	21.184		
5,400.0	5,389.7	5,413.2	5,390.7	11.9	13.3	-90.42	-158.6	-366.9	492.9	469.2	23.68	20.817		
5,500.0	5,489.7	5,513.2	5,490.7	12.1	13.5	-90.42	-158.6	-366.9	492.9	468.8	24.09	20.461		
5,600.0	5,589.7	5,613.2	5,590.7	12.4	13.7	-90.42	-158.6	-366.9	492.9	468.4	24.50	20.116		
5,700.0	5,689.7	5,713.2	5,690.7	12.6	13.9	-90.42	-158.6	-366.9	492.9	468.0	24.92	19.782		
5,800.0	5,789.7	5,813.2	5,790.7	12.8	14.1	-90.42	-158.6	-366.9	492.9	467.6	25.33	19.457		
5,900.0	5,889.7	5,913.2	5,890.7	13.0	14.3	-90.42	-158.6	-366.9	492.9	467.2	25.75	19.142		
6,000.0	5,989.7	6,013.2	5,990.7	13.2	14.4	-90.42	-158.6	-366.9	492.9	466.8	26.17	18.837		
6,100.0	6,089.7	6,113.2	6,090.7	13.4	14.6	-90.42	-158.6	-366.9	492.9	466.3	26.59	18.540		
6,200.0	6,189.7	6,213.2	6,190.7	13.6	14.8	-90.42	-158.6	-366.9	492.9	465.9	27.01	18.252		
6,300.0	6,289.7	6,313.2	6,290.7	13.8	15.0	-90.42	-158.6	-366.9	492.9	465.5	27.43	17.972		
6,400.0	6,389.7	6,413.2	6,390.7	14.0	15.2	-90.42	-158.6	-366.9	492.9	465.1	27.85	17.700		
6,500.0	6,489.7	6,513.2	6,490.7	14.3	15.4	-90.42	-158.6	-366.9	492.9	464.7	28.27	17.436		
6,600.0	6,589.7	6,613.2	6,590.7	14.5	15.6	-90.42	-158.6	-366.9	492.9	464.2	28.69	17.178		
6,700.0	6,689.7	6,713.2	6,690.7	14.7	15.8	-90.42	-158.6	-366.9	492.9	463.8	29.12	16.928		
6,800.0	6,789.7	6,813.2	6,790.8	14.9	16.0	-90.40	-158.4	-366.9	492.9	463.4	29.54	16.686		
6,860.9	6,850.5	6,874.3	6,851.5	15.0	16.1	-89.80	-153.3	-366.9	492.9	463.1	29.79	16.546		
6,900.0	6,889.7	6,912.5	6,889.2	15.1	16.2	-89.00	-146.4	-366.9	492.9	463.0	29.94	16.464		
7,000.0	6,989.7	7,004.2	6,976.5	15.3	16.3	-86.03	-119.0	-366.8	494.3	464.0	30.30	16.312		
7,100.0	7,088.8	7,089.2	7,052.0	15.5	16.4	-82.24	-80.2	-366.6	498.1	467.5	30.58	16.285		
7,200.0	7,183.7	7,170.5	7,117.5	15.7	16.4	-78.75	-32.1	-366.5	503.6	472.8	30.76	16.369		
7,300.0	7,271.1	7,250.0	7,173.5	15.8	16.5	-75.62	24.2	-366.3	510.0	479.1	30.85	16.529		
7,400.0	7,347.5	7,325.2	7,218.0	15.9	16.6	-73.02	84.7	-366.1	516.6	485.6	30.92	16.706		
7,500.0	7,410.4	7,400.0	7,253.2	16.0	16.7	-70.90	150.7	-365.8	522.6	491.5	31.04	16.835		
7,600.0	7,457.2	7,473.3	7,278.2	16.4	16.9	-69.34	219.6	-365.6	527.4	496.1	31.39	16.804		
7,700.0	7,486.4	7,550.0	7,293.7	16.9	17.3	-68.33	294.6	-365.3	530.7	498.6	32.09	16.539		
7,800.0	7,496.8	7,620.3	7,298.1	17.6	17.8	-67.95	364.7	-365.1	532.1	498.9	33.19	16.032		
7,900.0	7,496.5	7,717.8	7,297.6	18.5	18.6	-67.94	462.2	-364.7	532.2	497.4	34.83	15.280		
8,000.0	7,496.2	7,817.8	7,297.1	19.5	19.7	-67.93	562.1	-364.4	532.3	495.6	36.76	14.483		
8,100.0	7,495.8	7,917.8	7,296.7	20.7	20.8	-67.92	662.1	-364.0	532.4	493.5	38.92	13.682		
8,200.0	7,495.5	8,017.7	7,296.2	21.9	22.0	-67.91	762.1	-363.7	532.5	491.3	41.28	12.902		
8,300.0	7,495.1	8,117.7	7,295.7	23.3	23.4	-67.90	862.1	-363.3	532.6	488.8	43.80	12.160		
8,400.0	7,494.8	8,217.7	7,295.3	24.7	24.8	-67.89	962.1	-363.0	532.7	486.3	46.47	11.465		
8,500.0	7,494.4	8,317.7	7,294.8	26.2	26.3	-67.88	1,062.1	-362.6	532.8	483.6	49.25	10.819		
8,600.0	7,494.1	8,417.7	7,294.3	27.7	27.8	-67.87	1,162.1	-362.3	532.9	480.8	52.13	10.223		
8,700.0	7,493.7	8,517.7	7,293.8	29.3	29.4	-67.86	1,262.1	-361.9	533.0	477.9	55.09	9.675		
8,800.0	7,493.4	8,617.7	7,293.4	30.9	31.0	-67.85	1,362.1	-361.6	533.1	475.0	58.13	9.172		
8,900.0	7,493.0	8,717.7	7,292.9	32.6	32.7	-67.84	1,462.1	-361.2	533.2	472.0	61.22	8.710		
9,000.0	7,492.7	8,817.7	7,292.4	34.2	34.3	-67.83	1,562.1	-360.9	533.3	469.0	64.36	8.287		
9,100.0	7,492.4	8,917.7	7,292.0	35.9	36.0	-67.82	1,662.1	-360.5	533.4	465.9	67.55	7.897		
9,200.0	7,492.0	9,017.7	7,291.5	37.7	37.7	-67.81	1,762.1	-360.1	533.5	462.8	70.77	7.539		
9,300.0	7,491.7	9,117.7	7,291.0	39.4	39.5	-67.80	1,862.1	-359.8	533.6	459.6	74.03	7.208		
9,400.0	7,491.3	9,217.7	7,290.5	41.2	41.2	-67.79	1,962.1	-359.4	533.7	456.4	77.31	6.903		
9,500.0	7,491.0	9,317.7	7,290.1	42.9	43.0	-67.78	2,062.1	-359.1	533.8	453.2	80.63	6.621		
9,600.0	7,490.6	9,417.7	7,289.6	44.7	44.8	-67.77	2,162.1	-358.7	533.9	450.0	83.96	6.360		
9,700.0	7,490.3	9,517.7	7,289.1	46.5	46.6	-67.76	2,262.1	-358.4	534.0	446.7	87.31	6.117		
9,800.0	7,489.9	9,617.7	7,288.7	48.3	48.4	-67.75	2,362.1	-358.0	534.1	443.5	90.68	5.890		
9,900.0	7,489.6	9,717.7	7,288.2	50.1	50.2	-67.74	2,462.1	-357.7	534.2	440.2	94.06	5.680		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
Project:	SEC.30-T1N-R65W	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #2 (8-5-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference													Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Semi Major Axis			Offset Wellbore Centre		Distance			Separation Factor	Warning	
				Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)			
10,000.0	7,489.2	9,817.7	7,287.7	51.9	52.0	-67.73	2,562.1	-357.3	534.3	436.9	97.46	5.483		
10,100.0	7,488.9	9,917.7	7,287.2	53.7	53.8	-67.72	2,662.1	-357.0	534.4	433.6	100.87	5.298		
10,200.0	7,488.5	10,017.7	7,286.8	55.6	55.6	-67.71	2,762.1	-356.6	534.5	430.2	104.29	5.125		
10,300.0	7,488.2	10,117.7	7,286.3	57.4	57.5	-67.70	2,862.1	-356.3	534.6	426.9	107.72	4.963		
10,400.0	7,487.8	10,217.7	7,285.8	59.2	59.3	-67.69	2,962.1	-355.9	534.7	423.6	111.16	4.810		
10,500.0	7,487.5	10,317.7	7,285.4	61.1	61.1	-67.68	3,062.1	-355.6	534.8	420.2	114.61	4.667		
10,600.0	7,487.1	10,417.7	7,284.9	62.9	63.0	-67.67	3,162.1	-355.2	534.9	416.9	118.06	4.531		
10,700.0	7,486.8	10,517.7	7,284.4	64.8	64.8	-67.66	3,262.1	-354.9	535.0	413.5	121.53	4.403		
10,800.0	7,486.4	10,617.7	7,283.9	66.6	66.7	-67.65	3,362.1	-354.5	535.1	410.1	124.99	4.281		
10,900.0	7,486.1	10,717.7	7,283.5	68.5	68.5	-67.64	3,462.1	-354.2	535.2	406.8	128.47	4.166		
11,000.0	7,485.7	10,817.7	7,283.0	70.4	70.4	-67.63	3,562.1	-353.8	535.3	403.4	131.95	4.057		
11,100.0	7,485.4	10,917.7	7,282.5	72.2	72.3	-67.62	3,662.1	-353.5	535.4	400.0	135.43	3.954		
11,200.0	7,485.0	11,017.7	7,282.1	74.1	74.1	-67.61	3,762.1	-353.1	535.5	396.6	138.92	3.855		
11,300.0	7,484.7	11,117.7	7,281.6	76.0	76.0	-67.60	3,862.1	-352.7	535.6	393.2	142.41	3.761		
11,400.0	7,484.3	11,217.7	7,281.1	77.8	77.9	-67.59	3,962.1	-352.4	535.7	389.8	145.90	3.672		
11,500.0	7,484.0	11,317.7	7,280.6	79.7	79.8	-67.58	4,062.1	-352.0	535.8	386.4	149.40	3.587		
11,600.0	7,483.6	11,417.7	7,280.2	81.6	81.6	-67.57	4,162.1	-351.7	535.9	383.0	152.90	3.505		
11,700.0	7,483.3	11,517.7	7,279.7	83.5	83.5	-67.56	4,262.1	-351.3	536.0	379.6	156.41	3.427		
11,800.0	7,482.9	11,617.7	7,279.2	85.3	85.4	-67.55	4,362.1	-351.0	536.1	376.2	159.91	3.353		
11,900.0	7,482.6	11,717.7	7,278.8	87.2	87.3	-67.54	4,462.1	-350.6	536.2	372.8	163.42	3.281		
12,000.0	7,482.2	11,817.7	7,278.3	89.1	89.1	-67.54	4,562.1	-350.3	536.3	369.4	166.93	3.213		
12,031.7	7,482.1	11,849.5	7,278.1	89.7	89.7	-67.53	4,593.8	-350.2	536.4	368.3	168.05	3.192		
12,065.9	7,482.0	11,879.2	7,278.0	90.3	90.3	-67.53	4,623.6	-350.1	536.4	367.3	169.17	3.171 SF		

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
Project:	SEC.30-T1N-R65W	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #2 (8-5-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference				Offset			Semi Major Axis			Distance			Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-90.01	0.0	-30.8	30.8					
100.0	100.0	100.0	100.0	0.1	0.1	-90.01	0.0	-30.8	30.8	30.6	0.22	137.080		
200.0	200.0	200.0	200.0	0.3	0.3	-90.01	0.0	-30.8	30.8	30.1	0.67	45.693		
300.0	300.0	300.0	300.0	0.6	0.6	-90.01	0.0	-30.8	30.8	29.7	1.12	27.416		
400.0	400.0	400.0	400.0	0.8	0.8	-90.01	0.0	-30.8	30.8	29.2	1.57	19.583		
500.0	500.0	500.0	500.0	1.0	1.0	-90.01	0.0	-30.8	30.8	28.8	2.02	15.231		
600.0	600.0	600.0	600.0	1.2	1.2	-90.01	0.0	-30.8	30.8	28.3	2.47	12.462		
700.0	700.0	700.0	700.0	1.5	1.5	-90.01	0.0	-30.8	30.8	27.9	2.92	10.545		
800.0	800.0	800.0	800.0	1.7	1.7	-90.01	0.0	-30.8	30.8	27.4	3.37	9.139		
900.0	900.0	900.0	900.0	1.9	1.9	-90.01	0.0	-30.8	30.8	27.0	3.82	8.064		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-90.01	0.0	-30.8	30.8	26.5	4.27	7.215		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	-90.01	0.0	-30.8	30.8	26.1	4.72	6.528		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	-90.01	0.0	-30.8	30.8	25.6	5.17	5.960		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	-90.01	0.0	-30.8	30.8	25.2	5.62	5.483		
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	-90.01	0.0	-30.8	30.8	24.7	6.07	5.077		
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	-90.01	0.0	-30.8	30.8	24.3	6.52	4.727		
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	-90.01	0.0	-30.8	30.8	23.8	6.97	4.422 CC, ES		
1,700.0	1,700.0	1,699.4	1,699.4	3.7	3.7	-91.58	-0.9	-31.8	31.8	24.4	7.39	4.300		
1,800.0	1,800.0	1,798.6	1,798.5	3.9	3.9	-95.75	-3.5	-34.6	34.8	27.0	7.80	4.468		
1,900.0	1,900.0	1,897.6	1,897.3	4.1	4.1	119.41	-7.8	-39.4	40.9	32.7	8.18	4.995		
2,000.0	1,999.9	1,996.1	1,995.4	4.3	4.3	117.61	-13.8	-46.0	50.4	41.9	8.54	5.902		
2,100.0	2,099.7	2,094.5	2,093.1	4.5	4.5	117.33	-21.5	-54.3	63.3	54.4	8.92	7.094		
2,200.0	2,199.3	2,193.4	2,191.3	4.7	4.7	118.58	-29.5	-63.1	77.9	68.5	9.31	8.360		
2,300.0	2,298.7	2,292.2	2,289.4	4.9	4.9	120.56	-37.5	-71.9	93.4	83.7	9.72	9.610		
2,400.0	2,398.0	2,390.9	2,387.4	5.1	5.2	122.07	-45.5	-80.7	109.1	99.0	10.15	10.756		
2,500.0	2,497.4	2,489.6	2,485.4	5.4	5.4	123.20	-53.6	-89.5	124.9	114.3	10.59	11.799		
2,600.0	2,596.8	2,588.3	2,583.4	5.6	5.7	124.08	-61.6	-98.2	140.7	129.7	11.04	12.748		
2,700.0	2,696.1	2,687.1	2,681.4	5.8	6.0	124.78	-69.6	-107.0	156.5	145.0	11.50	13.613		
2,800.0	2,795.5	2,785.8	2,779.4	6.1	6.2	125.35	-77.6	-115.8	172.4	160.4	11.97	14.402		
2,900.0	2,894.9	2,884.5	2,877.4	6.3	6.5	125.82	-85.6	-124.6	188.2	175.8	12.45	15.122		
3,000.0	2,994.2	2,983.2	2,975.4	6.6	6.8	126.22	-93.7	-133.4	204.1	191.2	12.93	15.781		
3,100.0	3,093.6	3,081.9	3,073.4	6.9	7.1	126.57	-101.7	-142.2	220.0	206.6	13.43	16.385		
3,200.0	3,193.0	3,180.7	3,171.4	7.1	7.4	126.86	-109.7	-150.9	235.9	222.0	13.92	16.940		
3,300.0	3,292.3	3,279.4	3,269.4	7.4	7.6	127.12	-117.7	-159.7	251.8	237.3	14.43	17.450		
3,400.0	3,391.7	3,378.1	3,367.4	7.7	7.9	127.35	-125.7	-168.5	267.7	252.7	14.94	17.921		
3,500.0	3,491.1	3,476.8	3,465.4	8.0	8.2	127.55	-133.8	-177.3	283.6	268.1	15.45	18.356		
3,600.0	3,590.5	3,577.1	3,564.9	8.2	8.5	127.78	-141.8	-186.2	299.4	283.4	15.96	18.755		
3,700.0	3,690.0	3,682.5	3,669.8	8.5	8.8	128.09	-149.0	-194.0	312.7	296.2	16.44	19.018		
3,800.0	3,789.8	3,788.6	3,775.6	8.7	9.0	128.31	-154.2	-199.6	322.3	305.4	16.90	19.075		
3,900.0	3,889.7	3,895.2	3,882.1	8.9	9.2	128.44	-157.4	-203.2	328.3	310.9	17.33	18.940		
4,000.0	3,989.7	4,002.1	3,989.0	9.1	9.4	128.48	-158.6	-204.5	330.5	312.8	17.74	18.626		
4,100.0	4,089.7	4,102.8	4,089.7	9.3	9.6	-90.62	-158.6	-204.5	330.5	312.4	18.13	18.227		
4,200.0	4,189.7	4,202.8	4,189.7	9.5	9.8	-90.62	-158.6	-204.5	330.5	312.0	18.53	17.835		
4,300.0	4,289.7	4,302.8	4,289.7	9.7	10.0	-90.62	-158.6	-204.5	330.5	311.6	18.93	17.458		
4,400.0	4,389.7	4,402.8	4,389.7	9.9	10.2	-90.62	-158.6	-204.5	330.5	311.2	19.34	17.094		
4,500.0	4,489.7	4,502.8	4,489.7	10.1	10.4	-90.62	-158.6	-204.5	330.5	310.8	19.74	16.743		
4,600.0	4,589.7	4,602.8	4,589.7	10.3	10.6	-90.62	-158.6	-204.5	330.5	310.4	20.15	16.405		
4,700.0	4,689.7	4,702.8	4,689.7	10.5	10.8	-90.62	-158.6	-204.5	330.5	310.0	20.56	16.079		
4,800.0	4,789.7	4,802.8	4,789.7	10.7	11.0	-90.62	-158.6	-204.5	330.5	309.6	20.97	15.764		
4,900.0	4,889.7	4,902.8	4,889.7	10.9	11.2	-90.62	-158.6	-204.5	330.5	309.2	21.38	15.460		
5,000.0	4,989.7	5,002.8	4,989.7	11.1	11.4	-90.62	-158.6	-204.5	330.5	308.7	21.79	15.167		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
Project:	SEC.30-T1N-R65W	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #2 (8-5-14)	Offset TVD Reference:	Offset Datum

Offset Design													Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W - Johnson 01N-65W-30-7N - Wellbore #1 - Plan #2 (8)	Offset Site Error:	0.0 ft
Survey Program: 0-MWD														Offset Well Error:	0.0 ft
Reference				Offset			Semi Major Axis			Distance				Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,100.0	5,089.7	5,102.8	5,089.7	11.3	11.6	-90.62	-158.6	-204.5	330.5	308.3	22.21	14.884			
5,200.0	5,189.7	5,202.8	5,189.7	11.5	11.8	-90.62	-158.6	-204.5	330.5	307.9	22.62	14.610			
5,300.0	5,289.7	5,302.8	5,289.7	11.7	12.0	-90.62	-158.6	-204.5	330.5	307.5	23.04	14.345			
5,400.0	5,389.7	5,402.8	5,389.7	11.9	12.2	-90.62	-158.6	-204.5	330.5	307.1	23.46	14.090			
5,500.0	5,489.7	5,502.8	5,489.7	12.1	12.4	-90.62	-158.6	-204.5	330.5	306.7	23.88	13.842			
5,600.0	5,589.7	5,602.8	5,589.7	12.4	12.6	-90.62	-158.6	-204.5	330.5	306.2	24.30	13.602			
5,700.0	5,689.7	5,702.8	5,689.7	12.6	12.8	-90.62	-158.6	-204.5	330.5	305.8	24.72	13.370			
5,800.0	5,789.7	5,802.8	5,789.7	12.8	13.0	-90.62	-158.6	-204.5	330.5	305.4	25.14	13.145			
5,900.0	5,889.7	5,902.8	5,889.7	13.0	13.2	-90.62	-158.6	-204.5	330.5	305.0	25.57	12.928			
6,000.0	5,989.7	6,002.8	5,989.7	13.2	13.4	-90.62	-158.6	-204.5	330.5	304.5	25.99	12.716			
6,100.0	6,089.7	6,102.8	6,089.7	13.4	13.6	-90.62	-158.6	-204.5	330.5	304.1	26.42	12.512			
6,200.0	6,189.7	6,202.8	6,189.7	13.6	13.8	-90.62	-158.6	-204.5	330.5	303.7	26.84	12.313			
6,300.0	6,289.7	6,302.8	6,289.7	13.8	14.0	-90.62	-158.6	-204.5	330.5	303.3	27.27	12.120			
6,400.0	6,389.7	6,402.8	6,389.7	14.0	14.2	-90.62	-158.6	-204.5	330.5	302.8	27.70	11.933			
6,500.0	6,489.7	6,502.8	6,489.7	14.3	14.4	-90.62	-158.6	-204.5	330.5	302.4	28.13	11.751			
6,600.0	6,589.7	6,602.8	6,589.7	14.5	14.6	-90.62	-158.6	-204.5	330.5	302.0	28.56	11.575			
6,700.0	6,689.7	6,702.8	6,689.7	14.7	14.9	-90.62	-158.6	-204.5	330.5	301.5	28.99	11.403			
6,800.0	6,789.7	6,802.9	6,789.8	14.9	15.1	-90.59	-158.4	-204.5	330.5	301.1	29.41	11.237			
6,858.3	6,847.9	6,861.3	6,847.9	15.0	15.2	-89.76	-153.6	-204.5	330.5	300.8	29.65	11.146			
6,900.0	6,889.7	6,902.1	6,888.1	15.1	15.2	-88.52	-146.4	-204.5	330.6	300.8	29.81	11.090			
7,000.0	6,989.7	6,993.7	6,975.4	15.3	15.4	-83.99	-119.0	-204.3	332.6	302.4	30.14	11.034			
7,100.0	7,088.8	7,078.7	7,050.9	15.5	15.5	-78.41	-80.3	-204.2	338.2	307.8	30.38	11.131			
7,200.0	7,183.7	7,159.9	7,116.3	15.7	15.5	-73.39	-32.2	-204.0	346.2	315.8	30.48	11.360			
7,300.0	7,271.1	7,238.3	7,171.6	15.8	15.6	-69.04	23.2	-203.8	355.5	325.1	30.40	11.695			
7,400.0	7,347.5	7,314.6	7,216.9	15.9	15.7	-65.45	84.5	-203.5	364.8	334.6	30.19	12.086			
7,500.0	7,410.4	7,389.2	7,252.0	16.0	15.9	-62.64	150.3	-203.2	373.2	343.2	29.96	12.458			
7,600.0	7,457.2	7,462.7	7,277.1	16.4	16.3	-60.61	219.3	-203.0	379.9	350.0	29.92	12.698			
7,700.0	7,486.4	7,535.5	7,292.1	16.9	16.7	-59.35	290.5	-202.7	384.3	354.1	30.27	12.697			
7,800.0	7,496.8	7,607.8	7,297.1	17.6	17.3	-58.85	362.6	-202.4	386.2	355.0	31.15	12.398			
7,900.0	7,496.5	7,707.0	7,296.6	18.5	18.2	-58.83	461.8	-202.0	386.3	353.6	32.68	11.821			
8,000.0	7,496.2	7,807.0	7,296.1	19.5	19.2	-58.81	561.8	-201.5	386.3	351.9	34.46	11.209			
8,100.0	7,495.8	7,907.0	7,295.7	20.7	20.4	-58.80	661.8	-201.1	386.4	349.9	36.47	10.593			
8,200.0	7,495.5	8,007.0	7,295.2	21.9	21.7	-58.78	761.8	-200.7	386.4	347.8	38.67	9.993			
8,300.0	7,495.1	8,107.0	7,294.7	23.3	23.0	-58.77	861.8	-200.3	386.5	345.5	41.03	9.421			
8,400.0	7,494.8	8,207.0	7,294.3	24.7	24.5	-58.75	961.8	-199.9	386.6	343.1	43.51	8.884			
8,500.0	7,494.4	8,307.0	7,293.8	26.2	26.0	-58.73	1,061.8	-199.5	386.6	340.5	46.11	8.386			
8,600.0	7,494.1	8,407.0	7,293.3	27.7	27.5	-58.72	1,161.8	-199.1	386.7	337.9	48.79	7.925			
8,700.0	7,493.7	8,507.0	7,292.8	29.3	29.1	-58.70	1,261.8	-198.7	386.8	335.2	51.56	7.502			
8,800.0	7,493.4	8,607.0	7,292.4	30.9	30.7	-58.69	1,361.8	-198.3	386.8	332.4	54.39	7.113			
8,900.0	7,493.0	8,707.0	7,291.9	32.6	32.4	-58.67	1,461.8	-197.8	386.9	329.6	57.27	6.755			
9,000.0	7,492.7	8,807.0	7,291.4	34.2	34.1	-58.66	1,561.8	-197.4	386.9	326.7	60.20	6.427			
9,100.0	7,492.4	8,907.0	7,291.0	35.9	35.8	-58.64	1,661.7	-197.0	387.0	323.8	63.18	6.126			
9,200.0	7,492.0	9,007.0	7,290.5	37.7	37.5	-58.63	1,761.7	-196.6	387.1	320.9	66.18	5.848			
9,300.0	7,491.7	9,107.0	7,290.0	39.4	39.2	-58.61	1,861.7	-196.2	387.1	317.9	69.22	5.593			
9,400.0	7,491.3	9,207.0	7,289.5	41.2	41.0	-58.59	1,961.7	-195.8	387.2	314.9	72.29	5.356			
9,500.0	7,491.0	9,307.0	7,289.1	42.9	42.8	-58.58	2,061.7	-195.4	387.3	311.9	75.38	5.138			
9,600.0	7,490.6	9,407.0	7,288.6	44.7	44.6	-58.56	2,161.7	-195.0	387.3	308.8	78.48	4.935			
9,700.0	7,490.3	9,507.0	7,288.1	46.5	46.4	-58.55	2,261.7	-194.6	387.4	305.8	81.61	4.747			
9,800.0	7,489.9	9,607.0	7,287.7	48.3	48.2	-58.53	2,361.7	-194.1	387.4	302.7	84.75	4.572			
9,900.0	7,489.6	9,707.0	7,287.2	50.1	50.0	-58.52	2,461.7	-193.7	387.5	299.6	87.91	4.408			
10,000.0	7,489.2	9,807.0	7,286.7	51.9	51.8	-58.50	2,561.7	-193.3	387.6	296.5	91.07	4.256			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
Project:	SEC.30-T1N-R65W	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #2 (8-5-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference													Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Semi Major Axis			Offset Wellbore Centre		Distance			Separation Factor	Warning	
				Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)			
10,100.0	7,488.9	9,907.0	7,286.2	53.7	53.6	-58.49	2,661.7	-192.9	387.6	293.4	94.25	4.113		
10,200.0	7,488.5	10,007.0	7,285.8	55.6	55.5	-58.47	2,761.7	-192.5	387.7	290.3	97.44	3.979		
10,300.0	7,488.2	10,107.0	7,285.3	57.4	57.3	-58.46	2,861.7	-192.1	387.8	287.1	100.64	3.853		
10,400.0	7,487.8	10,207.0	7,284.8	59.2	59.1	-58.44	2,961.7	-191.7	387.8	284.0	103.85	3.735		
10,500.0	7,487.5	10,307.0	7,284.4	61.1	61.0	-58.42	3,061.7	-191.3	387.9	280.8	107.06	3.623		
10,600.0	7,487.1	10,407.0	7,283.9	62.9	62.8	-58.41	3,161.7	-190.8	388.0	277.7	110.28	3.518		
10,700.0	7,486.8	10,507.0	7,283.4	64.8	64.7	-58.39	3,261.7	-190.4	388.0	274.5	113.50	3.419		
10,800.0	7,486.4	10,607.0	7,282.9	66.6	66.6	-58.38	3,361.7	-190.0	388.1	271.3	116.73	3.324		
10,900.0	7,486.1	10,707.0	7,282.5	68.5	68.4	-58.36	3,461.7	-189.6	388.1	268.2	119.97	3.235		
11,000.0	7,485.7	10,807.0	7,282.0	70.4	70.3	-58.35	3,561.7	-189.2	388.2	265.0	123.21	3.151		
11,100.0	7,485.4	10,907.0	7,281.5	72.2	72.1	-58.33	3,661.7	-188.8	388.3	261.8	126.45	3.070		
11,200.0	7,485.0	11,007.0	7,281.1	74.1	74.0	-58.32	3,761.7	-188.4	388.3	258.6	129.70	2.994		
11,300.0	7,484.7	11,107.0	7,280.6	76.0	75.9	-58.30	3,861.7	-188.0	388.4	255.4	132.95	2.921		
11,400.0	7,484.3	11,207.0	7,280.1	77.8	77.8	-58.29	3,961.7	-187.6	388.5	252.3	136.20	2.852		
11,500.0	7,484.0	11,307.0	7,279.6	79.7	79.6	-58.27	4,061.7	-187.1	388.5	249.1	139.46	2.786		
11,600.0	7,483.6	11,407.0	7,279.2	81.6	81.5	-58.25	4,161.7	-186.7	388.6	245.9	142.72	2.723		
11,700.0	7,483.3	11,507.0	7,278.7	83.5	83.4	-58.24	4,261.7	-186.3	388.6	242.7	145.98	2.662		
11,800.0	7,482.9	11,607.0	7,278.2	85.3	85.3	-58.22	4,361.7	-185.9	388.7	239.5	149.24	2.605		
11,900.0	7,482.6	11,707.0	7,277.8	87.2	87.1	-58.21	4,461.7	-185.5	388.8	236.3	152.50	2.549		
12,000.0	7,482.2	11,807.0	7,277.3	89.1	89.0	-58.19	4,561.7	-185.1	388.8	233.1	155.75	2.497		
12,034.7	7,482.1	11,841.7	7,277.1	89.8	89.5	-58.19	4,596.4	-184.9	388.9	232.1	156.76	2.481		
12,065.9	7,482.0	11,868.1	7,277.0	90.3	89.9	-58.18	4,622.8	-184.8	388.9	231.3	157.61	2.468 SF		

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
Project:	SEC.30-T1N-R65W	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #2 (8-5-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference				Offset			Semi Major Axis			Distance			Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-90.00	0.0	-14.0	14.0	14.0	0.00	N/A		
100.0	100.0	100.0	100.0	0.1	0.1	-90.00	0.0	-14.0	14.0	13.8	0.22	62.309		
200.0	200.0	200.0	200.0	0.3	0.3	-90.00	0.0	-14.0	14.0	13.3	0.67	20.770		
300.0	300.0	300.0	300.0	0.6	0.6	-90.00	0.0	-14.0	14.0	12.9	1.12	12.462		
400.0	400.0	400.0	400.0	0.8	0.8	-90.00	0.0	-14.0	14.0	12.4	1.57	8.901		
500.0	500.0	500.0	500.0	1.0	1.0	-90.00	0.0	-14.0	14.0	12.0	2.02	6.923		
600.0	600.0	600.0	600.0	1.2	1.2	-90.00	0.0	-14.0	14.0	11.5	2.47	5.664		
700.0	700.0	700.0	700.0	1.5	1.5	-90.00	0.0	-14.0	14.0	11.1	2.92	4.793		
800.0	800.0	800.0	800.0	1.7	1.7	-90.00	0.0	-14.0	14.0	10.6	3.37	4.154		
900.0	900.0	900.0	900.0	1.9	1.9	-90.00	0.0	-14.0	14.0	10.2	3.82	3.665		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-90.00	0.0	-14.0	14.0	9.7	4.27	3.279		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	-90.00	0.0	-14.0	14.0	9.3	4.72	2.967		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	-90.00	0.0	-14.0	14.0	8.8	5.17	2.709		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	-90.00	0.0	-14.0	14.0	8.4	5.62	2.492		
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	-90.00	0.0	-14.0	14.0	7.9	6.07	2.308		
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	-90.00	0.0	-14.0	14.0	7.5	6.52	2.149		
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	-90.00	0.0	-14.0	14.0	7.0	6.97	2.010		
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	-90.00	0.0	-14.0	14.0	6.6	7.42	1.888		
1,800.0	1,800.0	1,800.0	1,800.0	3.9	3.9	-90.00	0.0	-14.0	14.0	6.1	7.87	1.780 CC, ES, SF		
1,900.0	1,900.0	1,900.0	1,900.0	4.1	4.2	133.02	0.0	-14.0	14.9	6.6	8.29	1.793		
2,000.0	1,999.9	1,999.9	1,999.9	4.3	4.4	142.28	0.0	-14.0	17.8	9.1	8.69	2.047		
2,100.0	2,099.7	2,099.7	2,099.7	4.5	4.6	152.12	0.0	-14.0	23.3	14.2	9.08	2.566		
2,200.0	2,199.3	2,199.3	2,199.3	4.7	4.8	159.84	0.0	-14.0	31.7	22.2	9.47	3.345		
2,300.0	2,298.7	2,298.7	2,298.7	4.9	5.1	165.02	0.0	-14.0	42.3	32.4	9.88	4.281		
2,400.0	2,398.0	2,398.0	2,398.0	5.1	5.3	168.14	0.0	-14.0	53.2	42.9	10.29	5.168		
2,500.0	2,497.4	2,497.4	2,497.4	5.4	5.5	170.20	0.0	-14.0	64.2	53.5	10.71	5.994		
2,600.0	2,596.8	2,598.3	2,598.2	5.6	5.7	171.06	-1.2	-13.8	74.3	63.2	11.11	6.689		
2,700.0	2,696.1	2,699.5	2,699.5	5.8	5.9	170.56	-5.1	-13.2	82.4	70.9	11.48	7.173		
2,800.0	2,795.5	2,801.1	2,800.8	6.1	6.1	169.03	-11.7	-12.1	88.4	76.6	11.87	7.450		
2,900.0	2,894.9	2,902.1	2,901.3	6.3	6.2	166.67	-20.7	-10.7	92.7	80.4	12.26	7.560		
3,000.0	2,994.2	3,001.9	3,000.7	6.6	6.4	164.31	-30.1	-9.2	96.7	84.1	12.67	7.637		
3,100.0	3,093.6	3,101.7	3,100.1	6.9	6.6	162.15	-39.6	-7.7	100.9	87.8	13.08	7.715		
3,200.0	3,193.0	3,201.6	3,199.5	7.1	6.8	160.16	-49.0	-6.2	105.3	91.7	13.51	7.791		
3,300.0	3,292.3	3,301.4	3,298.9	7.4	7.0	158.33	-58.4	-4.7	109.7	95.7	13.95	7.865		
3,400.0	3,391.7	3,401.3	3,398.3	7.7	7.2	156.64	-67.8	-3.1	114.2	99.8	14.39	7.936		
3,500.0	3,491.1	3,501.1	3,497.6	8.0	7.5	155.09	-77.3	-1.6	118.9	104.0	14.85	8.004		
3,600.0	3,590.5	3,600.9	3,597.0	8.2	7.7	153.65	-86.7	-0.1	123.5	108.2	15.32	8.065		
3,700.0	3,690.0	3,700.8	3,696.4	8.5	7.9	151.96	-96.1	1.4	126.7	110.9	15.80	8.024		
3,800.0	3,789.8	3,800.7	3,795.9	8.7	8.1	149.76	-105.6	2.9	127.8	111.5	16.28	7.851		
3,900.0	3,889.7	3,900.5	3,895.2	8.9	8.4	146.96	-115.0	4.4	126.8	110.0	16.76	7.567		
4,000.0	3,989.7	4,000.2	3,994.4	9.1	8.6	143.40	-124.4	5.9	124.0	106.8	17.24	7.192		
4,100.0	4,089.7	4,099.7	4,093.5	9.3	8.9	-79.87	-133.8	7.4	120.5	102.8	17.75	6.792		
4,200.0	4,189.7	4,198.8	4,192.1	9.5	9.1	-84.02	-142.7	8.8	117.8	99.6	18.25	6.456		
4,300.0	4,289.7	4,297.8	4,291.0	9.7	9.3	-87.21	-149.3	9.9	116.3	97.5	18.73	6.206		
4,400.0	4,389.7	4,397.2	4,390.2	9.9	9.6	-89.23	-153.4	10.5	115.5	96.3	19.18	6.019		
4,500.0	4,489.7	4,496.7	4,489.7	10.1	9.8	-89.99	-155.0	10.8	115.2	95.6	19.60	5.877		
4,537.2	4,526.8	4,533.8	4,526.8	10.2	9.8	-90.00	-155.0	10.8	115.2	95.5	19.75	5.832		
4,600.0	4,589.7	4,596.6	4,589.7	10.3	10.0	-90.00	-155.0	10.8	115.2	95.2	20.01	5.758		
4,700.0	4,689.7	4,696.6	4,689.7	10.5	10.2	-90.00	-155.0	10.8	115.2	94.8	20.42	5.642		
4,800.0	4,789.7	4,796.6	4,789.7	10.7	10.4	-90.00	-155.0	10.8	115.2	94.4	20.83	5.530		
4,900.0	4,889.7	4,896.6	4,889.7	10.9	10.6	-90.00	-155.0	10.8	115.2	94.0	21.25	5.422		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
Project:	SEC.30-T1N-R65W	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #2 (8-5-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference				Offset			Semi Major Axis			Distance			Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.0	4,989.7	4,996.6	4,989.7	11.1	10.8	-90.00	-155.0	10.8	115.2	93.5	21.66	5.318		
5,100.0	5,089.7	5,096.6	5,089.7	11.3	11.0	-90.00	-155.0	10.8	115.2	93.1	22.08	5.218		
5,200.0	5,189.7	5,196.6	5,189.7	11.5	11.2	-90.00	-155.0	10.8	115.2	92.7	22.50	5.121		
5,300.0	5,289.7	5,296.6	5,289.7	11.7	11.4	-90.00	-155.0	10.8	115.2	92.3	22.92	5.027		
5,400.0	5,389.7	5,396.6	5,389.7	11.9	11.6	-90.00	-155.0	10.8	115.2	91.9	23.34	4.936		
5,500.0	5,489.7	5,496.6	5,489.7	12.1	11.8	-90.00	-155.0	10.8	115.2	91.4	23.76	4.848		
5,600.0	5,589.7	5,596.6	5,589.7	12.4	12.1	-90.00	-155.0	10.8	115.2	91.0	24.18	4.764		
5,700.0	5,689.7	5,696.6	5,689.7	12.6	12.3	-90.00	-155.0	10.8	115.2	90.6	24.61	4.682		
5,800.0	5,789.7	5,796.6	5,789.7	12.8	12.5	-90.00	-155.0	10.8	115.2	90.2	25.03	4.602		
5,900.0	5,889.7	5,896.6	5,889.7	13.0	12.7	-90.00	-155.0	10.8	115.2	89.7	25.46	4.525		
6,000.0	5,989.7	5,996.6	5,989.7	13.2	12.9	-90.00	-155.0	10.8	115.2	89.3	25.88	4.451		
6,100.0	6,089.7	6,096.6	6,089.7	13.4	13.1	-90.00	-155.0	10.8	115.2	88.9	26.31	4.378		
6,200.0	6,189.7	6,196.6	6,189.7	13.6	13.3	-90.00	-155.0	10.8	115.2	88.5	26.74	4.308		
6,300.0	6,289.7	6,296.6	6,289.7	13.8	13.6	-90.00	-155.0	10.8	115.2	88.0	27.17	4.240		
6,400.0	6,389.7	6,396.6	6,389.7	14.0	13.8	-90.00	-155.0	10.8	115.2	87.6	27.60	4.174		
6,500.0	6,489.7	6,496.6	6,489.7	14.3	14.0	-90.00	-155.0	10.8	115.2	87.2	28.03	4.110		
6,600.0	6,589.7	6,596.6	6,589.7	14.5	14.2	-90.00	-155.0	10.8	115.2	86.7	28.46	4.048		
6,700.0	6,689.7	6,696.6	6,689.7	14.7	14.4	-90.00	-155.0	10.8	115.2	86.3	28.89	3.988		
6,800.0	6,789.7	6,796.6	6,789.7	14.9	14.6	-89.91	-154.8	10.8	115.2	85.9	29.32	3.929		
6,820.1	6,809.7	6,816.7	6,809.7	14.9	14.7	-89.46	-153.9	10.8	115.2	85.8	29.40	3.919		
6,900.0	6,889.7	6,895.0	6,887.2	15.1	14.8	-84.07	-143.0	10.8	115.8	86.1	29.66	3.905		
7,000.0	6,989.7	6,986.0	6,973.9	15.3	14.9	-71.41	-116.0	11.0	122.4	92.6	29.88	4.098		
7,100.0	7,088.8	7,070.5	7,049.1	15.5	15.0	-58.19	-77.8	11.1	137.8	107.9	29.91	4.608		
7,200.0	7,183.7	7,150.0	7,113.5	15.7	15.1	-48.59	-31.1	11.3	157.0	127.5	29.47	5.327		
7,300.0	7,271.1	7,229.5	7,169.9	15.8	15.3	-41.64	24.8	11.5	176.6	148.2	28.43	6.213		
7,400.0	7,347.5	7,300.0	7,212.3	15.9	15.5	-37.09	81.1	11.8	194.7	167.8	26.91	7.236		
7,500.0	7,410.4	7,380.0	7,250.7	16.0	15.8	-33.66	151.1	12.0	209.7	184.5	25.16	8.333		
7,600.0	7,457.2	7,450.0	7,275.2	16.4	16.1	-31.62	216.6	12.3	221.0	197.4	23.59	9.368		
7,700.0	7,486.4	7,526.1	7,291.6	16.9	16.6	-30.38	290.9	12.6	228.1	205.4	22.65	10.070		
7,800.0	7,496.8	7,603.8	7,297.1	17.6	17.2	-29.96	368.3	12.9	230.7	208.0	22.70	10.164		
7,833.6	7,497.1	7,629.9	7,296.9	17.9	17.5	-29.93	394.4	13.0	230.9	207.9	22.98	10.050		
7,900.0	7,496.5	7,696.4	7,296.6	18.5	18.1	-29.95	460.9	13.3	230.7	207.1	23.63	9.763		
8,000.0	7,496.2	7,796.4	7,296.2	19.5	19.1	-29.94	560.9	13.7	230.8	206.1	24.78	9.316		
8,100.0	7,495.8	7,896.4	7,295.7	20.7	20.3	-29.92	660.9	14.1	230.9	204.9	26.07	8.857		
8,200.0	7,495.5	7,996.4	7,295.2	21.9	21.6	-29.91	760.9	14.5	231.1	203.6	27.50	8.402		
8,300.0	7,495.1	8,096.4	7,294.7	23.3	22.9	-29.89	860.9	15.0	231.2	202.1	29.03	7.962		
8,400.0	7,494.8	8,196.4	7,294.3	24.7	24.4	-29.88	960.9	15.4	231.3	200.6	30.66	7.543		
8,500.0	7,494.4	8,296.4	7,293.8	26.2	25.9	-29.86	1,060.9	15.8	231.4	199.0	32.37	7.148		
8,600.0	7,494.1	8,396.4	7,293.3	27.7	27.5	-29.85	1,160.9	16.2	231.5	197.3	34.14	6.780		
8,700.0	7,493.7	8,496.4	7,292.9	29.3	29.1	-29.83	1,260.9	16.6	231.6	195.6	35.97	6.438		
8,800.0	7,493.4	8,596.4	7,292.4	30.9	30.7	-29.82	1,360.9	17.0	231.7	193.8	37.85	6.122		
8,900.0	7,493.0	8,696.4	7,291.9	32.6	32.4	-29.80	1,460.9	17.4	231.8	192.0	39.77	5.829		
9,000.0	7,492.7	8,796.4	7,291.4	34.2	34.0	-29.79	1,560.9	17.8	231.9	190.2	41.72	5.558		
9,100.0	7,492.4	8,896.4	7,291.0	35.9	35.8	-29.78	1,660.9	18.2	232.0	188.3	43.70	5.309		
9,200.0	7,492.0	8,996.4	7,290.5	37.7	37.5	-29.76	1,760.9	18.6	232.1	186.4	45.71	5.077		
9,300.0	7,491.7	9,096.4	7,290.0	39.4	39.2	-29.75	1,860.9	19.1	232.2	184.5	47.75	4.863		
9,400.0	7,491.3	9,196.4	7,289.6	41.2	41.0	-29.73	1,960.9	19.5	232.3	182.5	49.80	4.665		
9,500.0	7,491.0	9,296.4	7,289.1	42.9	42.8	-29.72	2,060.9	19.9	232.4	180.6	51.87	4.481		
9,600.0	7,490.6	9,396.4	7,288.6	44.7	44.6	-29.70	2,160.9	20.3	232.5	178.6	53.96	4.310		
9,700.0	7,490.3	9,496.4	7,288.1	46.5	46.4	-29.69	2,260.8	20.7	232.6	176.6	56.05	4.150		
9,800.0	7,489.9	9,596.4	7,287.7	48.3	48.2	-29.67	2,360.8	21.1	232.8	174.6	58.17	4.002		

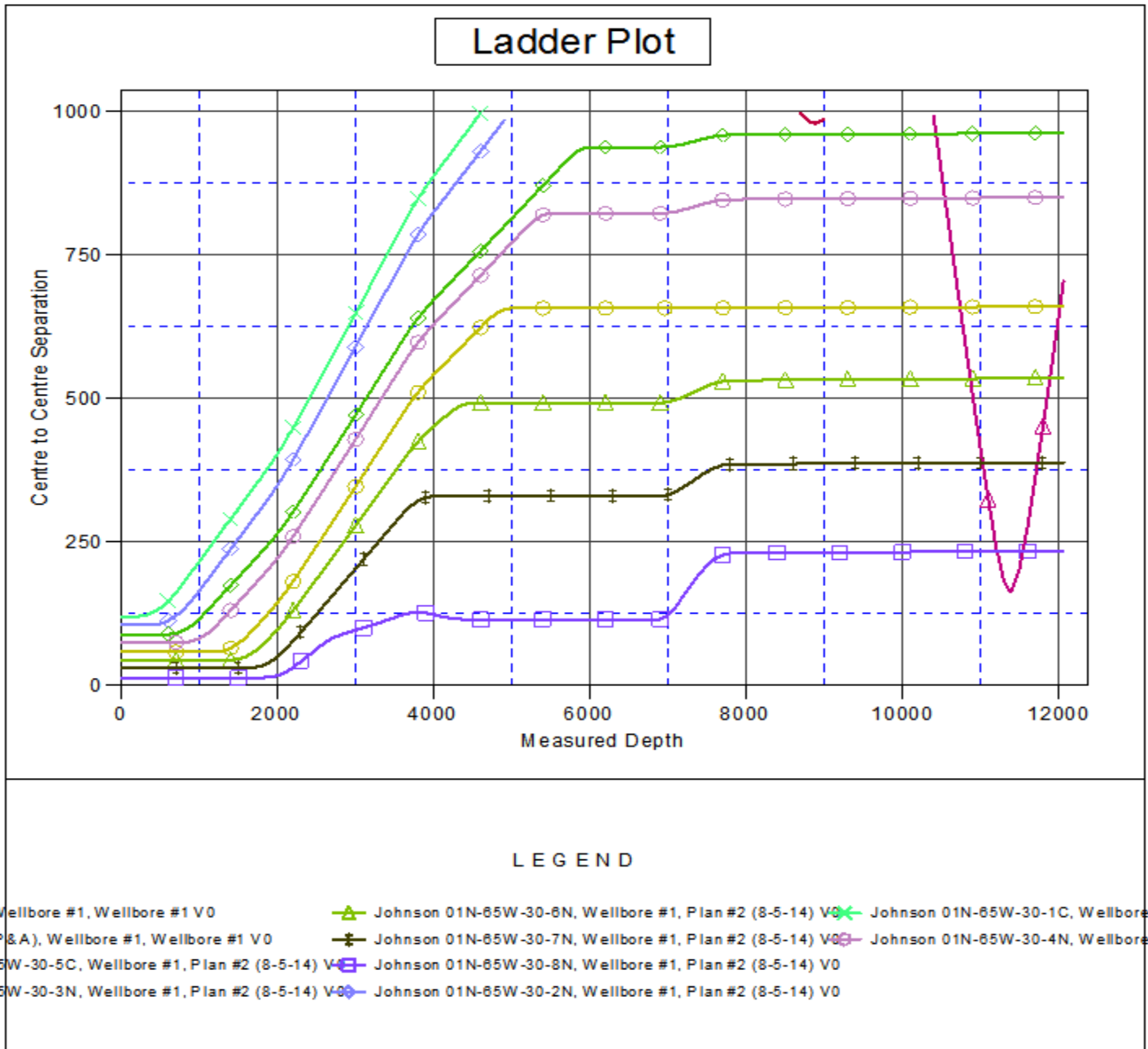
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
Project:	SEC.30-T1N-R65W	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #2 (8-5-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,900.0	7,489.6	9,696.4	7,287.2	50.1	50.0	-29.66	2,460.8	21.5	232.9	172.6	60.29	3.863		
10,000.0	7,489.2	9,796.4	7,286.7	51.9	51.8	-29.64	2,560.8	21.9	233.0	170.5	62.42	3.732		
10,100.0	7,488.9	9,896.4	7,286.3	53.7	53.6	-29.63	2,660.8	22.3	233.1	168.5	64.55	3.610		
10,200.0	7,488.5	9,996.4	7,285.8	55.6	55.5	-29.61	2,760.8	22.7	233.2	166.5	66.70	3.496		
10,300.0	7,488.2	10,096.4	7,285.3	57.4	57.3	-29.60	2,860.8	23.2	233.3	164.4	68.85	3.388		
10,400.0	7,487.8	10,196.4	7,284.8	59.2	59.2	-29.58	2,960.8	23.6	233.4	162.4	71.01	3.287		
10,500.0	7,487.5	10,296.4	7,284.4	61.1	61.0	-29.57	3,060.8	24.0	233.5	160.3	73.17	3.191		
10,600.0	7,487.1	10,396.4	7,283.9	62.9	62.9	-29.55	3,160.8	24.4	233.6	158.3	75.34	3.101		
10,700.0	7,486.8	10,496.4	7,283.4	64.8	64.7	-29.54	3,260.8	24.8	233.7	156.2	77.51	3.015		
10,800.0	7,486.4	10,596.4	7,283.0	66.6	66.6	-29.52	3,360.8	25.2	233.8	154.1	79.68	2.934		
10,900.0	7,486.1	10,696.4	7,282.5	68.5	68.4	-29.51	3,460.8	25.6	233.9	152.1	81.86	2.858		
11,000.0	7,485.7	10,796.4	7,282.0	70.4	70.3	-29.49	3,560.8	26.0	234.0	150.0	84.04	2.785		
11,100.0	7,485.4	10,896.4	7,281.6	72.2	72.2	-29.48	3,660.8	26.4	234.1	147.9	86.23	2.715		
11,200.0	7,485.0	10,996.4	7,281.1	74.1	74.0	-29.47	3,760.8	26.8	234.2	145.8	88.41	2.649		
11,300.0	7,484.7	11,096.4	7,280.6	76.0	75.9	-29.45	3,860.8	27.3	234.3	143.7	90.60	2.587		
11,400.0	7,484.3	11,196.4	7,280.1	77.8	77.8	-29.44	3,960.8	27.7	234.5	141.7	92.79	2.527		
11,500.0	7,484.0	11,296.4	7,279.7	79.7	79.7	-29.42	4,060.8	28.1	234.6	139.6	94.98	2.470		
11,600.0	7,483.6	11,396.4	7,279.2	81.6	81.6	-29.41	4,160.8	28.5	234.7	137.5	97.17	2.415		
11,700.0	7,483.3	11,496.4	7,278.7	83.5	83.4	-29.39	4,260.8	28.9	234.8	135.4	99.37	2.363		
11,800.0	7,482.9	11,596.4	7,278.3	85.3	85.3	-29.38	4,360.8	29.3	234.9	133.3	101.56	2.313		
11,900.0	7,482.6	11,696.4	7,277.8	87.2	87.2	-29.36	4,460.8	29.7	235.0	131.2	103.76	2.265		
12,000.0	7,482.2	11,796.4	7,277.3	89.1	89.1	-29.35	4,560.8	30.1	235.1	129.1	105.96	2.219		
12,065.9	7,482.0	11,862.0	7,277.0	90.3	90.3	-29.34	4,626.5	30.4	235.2	127.8	107.40	2.190		

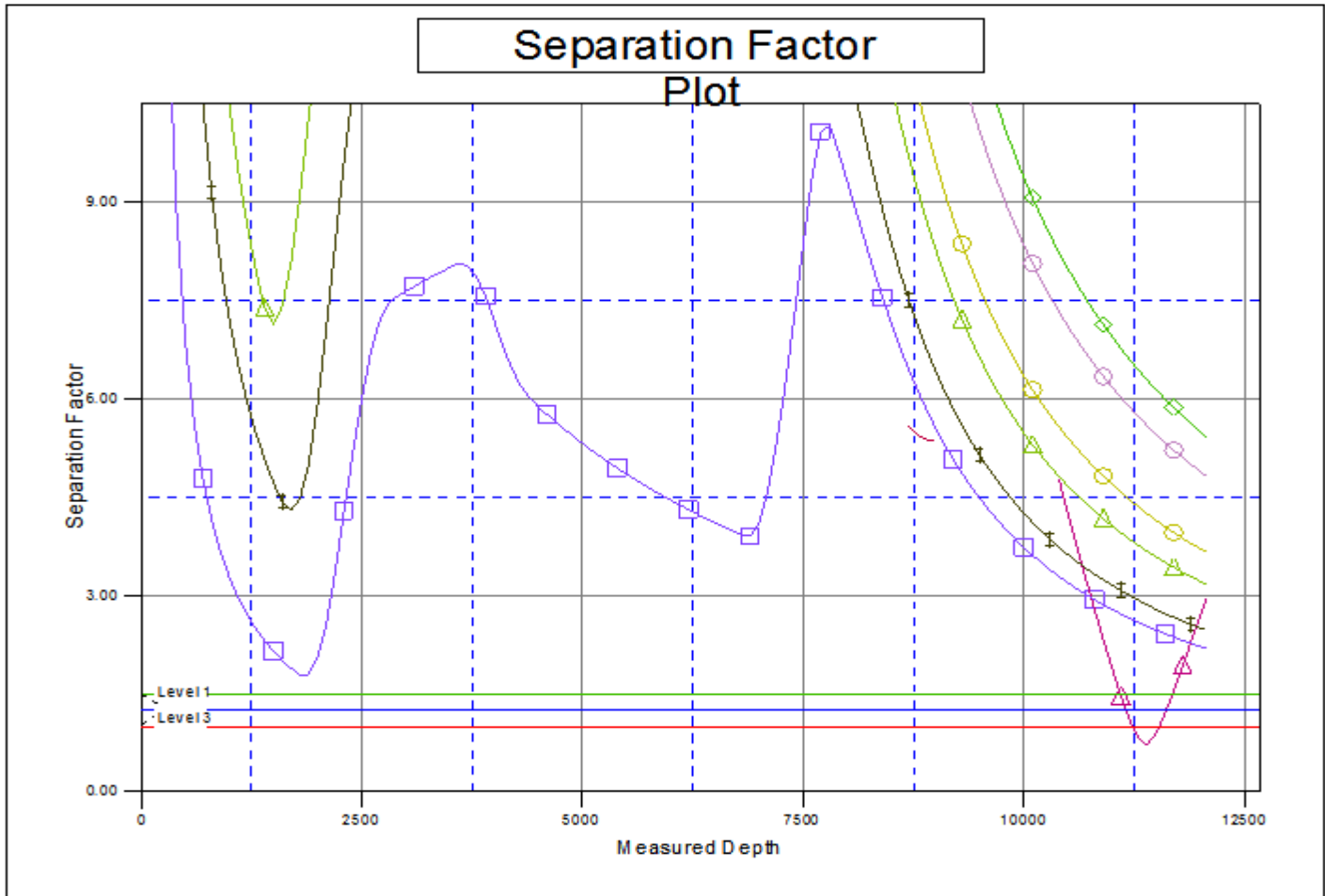
Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
Project:	SEC.30-T1N-R65W	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #2 (8-5-14)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5012.0ft (Original Well Elev) Coordinates are relative to: Johnson 01N-65W-30-9C
 Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone
 Central Meridian is -105.500000 ° Grid Convergence at Surface is: 0.51°



Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Johnson 01N-65W-30-9C
Project:	SEC.30-T1N-R65W	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	Johnson 01N-65W-30-1C Pad Sec.30-T1N-R65W	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Johnson 01N-65W-30-9C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	landmark
Reference Design:	Plan #2 (8-5-14)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5012.0ft (Original Well Elev) Coordinates are relative to: Johnson 01N-65W-30-9C
 Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone
 Central Meridian is -105.500000 ° Grid Convergence at Surface is: 0.51 °



LEGEND

- Wellbore #1, Wellbore #1 V0
- (P&A), Wellbore #1, Wellbore #1 V0
- 65W-30-5C, Wellbore #1, Plan #2 (8-5-14) V0
- 65W-30-3N, Wellbore #1, Plan #2 (8-5-14) V0
- Johnson 01N-65W-30-6N, Wellbore #1, Plan #2 (8-5-14) V0
- Johnson 01N-65W-30-7N, Wellbore #1, Plan #2 (8-5-14) V0
- Johnson 01N-65W-30-8N, Wellbore #1, Plan #2 (8-5-14) V0
- Johnson 01N-65W-30-2N, Wellbore #1, Plan #2 (8-5-14) V0
- Johnson 01N-65W-30-1C, Wellbore #1, Plan #2 (8-5-14) V0
- Johnson 01N-65W-30-4N, Wellbore #1, Plan #2 (8-5-14) V0