Verdad Oil & Gas Corporation

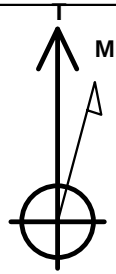
Well Name: **Meehl 01N-65W-24-8N**
Surface Location: Meehl 01N-65W-24 Pad Sec.24-T01N-R65W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone
Ground Elevation: 5022.0

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.0	0.0	1255137.57	3249769.19	40.030292	-104.608045	

RKB - 16.5' WELL @ 5038.5ft (RKB - 16.5')

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
460' Setback BHL	1.0	4585.4	-805.0	Polygon
460' Setback SHL	1.0	189.7	-805.0	Polygon
Sectionline	1.0	-270.3	-805.0	Polygon
SHL 270'FSL & 1458'FEL	1.0	0.1	0.0	Point
BHL 460'FNL & 825'FEL	7093.5	4581.0	654.1	Point



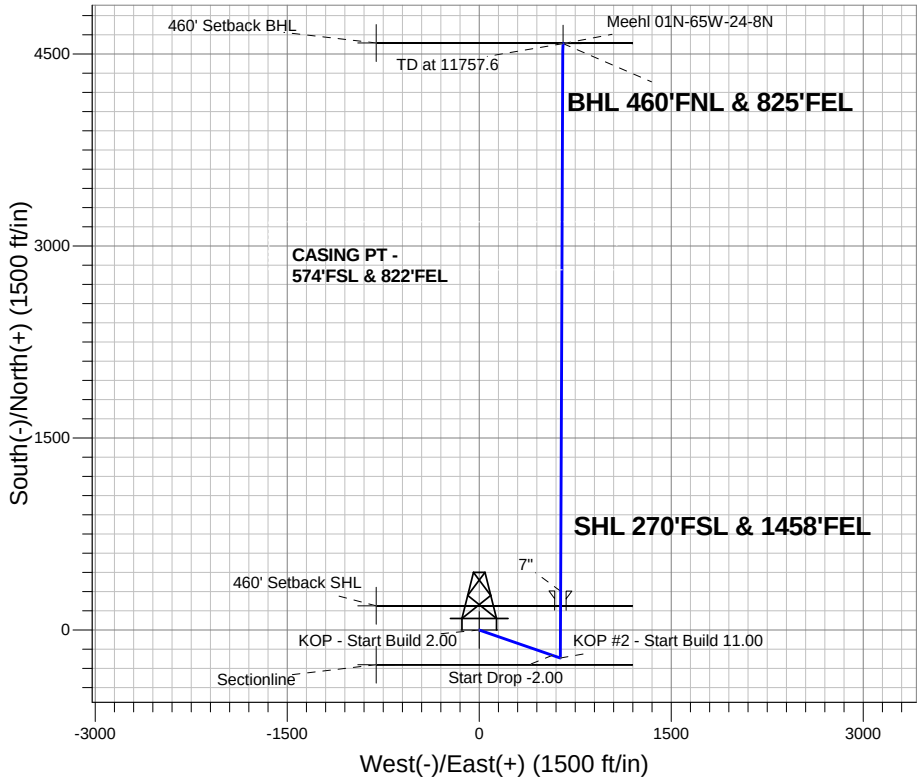
Azimuths to True North
Magnetic North: 8.30°

Magnetic Field
Strength: 52600.0snT
Dip Angle: 66.66°
Date: 10/17/2014
Model: IGRF2010

Meehl 01N-65W-24 Pad Sec.24-T01N-R65W
Meehl 01N-65W-24-8N
Plan #1 (10-17-14)

ANNOTATIONS

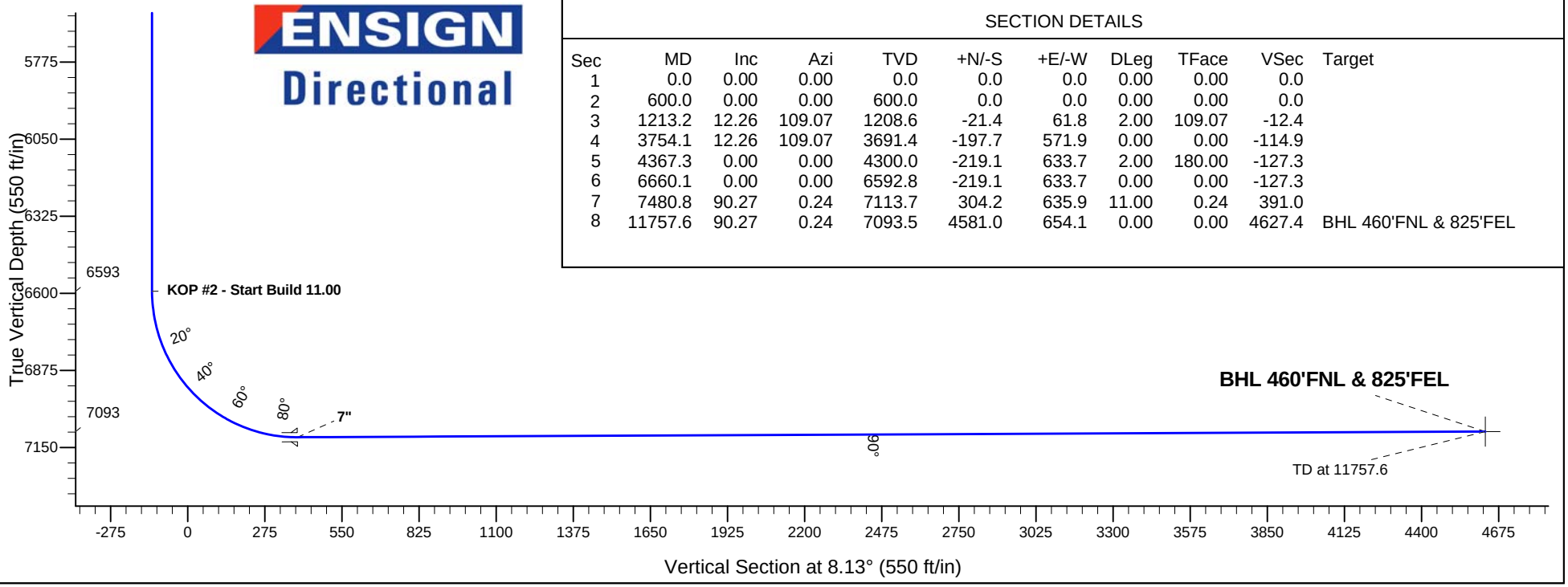
TVD	MD	Annotation
600.0	600.0	KOP - Start Build 2.00
3691.4	3754.1	Start Drop -2.00
6592.8	6660.1	KOP #2 - Start Build 11.00
7093.5	11757.6	TD at 11757.6



ENSIGN Directional

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1213.2	12.26	109.07	1208.6	-21.4	61.8	2.00	109.07	-12.4	
4	3754.1	12.26	109.07	3691.4	-197.7	571.9	0.00	0.00	-114.9	
5	4367.3	0.00	0.00	4300.0	-219.1	633.7	2.00	180.00	-127.3	
6	6660.1	0.00	0.00	6592.8	-219.1	633.7	0.00	0.00	-127.3	
7	7480.8	90.27	0.24	7113.7	304.2	635.9	11.00	0.24	391.0	
8	11757.6	90.27	0.24	7093.5	4581.0	654.1	0.00	0.00	4627.4	BHL 460'FNL & 825'FEL



Verdad Oil & Gas Corporation

SEC.24-T1N-R65W
Meehl 01N-65W-24 Pad Sec.24-T01N-R65W
Meehl 01N-65W-24-8N

Wellbore #1

Plan: Plan #1 (10-17-14)

Standard Planning Report

20 October, 2014

Database:	landmark	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Company:	Verdad Oil & Gas Corporation	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Project:	SEC.24-T1N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**North Reference:**	True
Well:	Meehl 01N-65W-24-8N	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (10-17-14)		

Project SEC.24-T1N-R65W

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 Meehl 01N-65W-24 Pad Sec.24-T01N-R65W

Site Position:		**Northing:**	1,255,136.20 ft	**Latitude:**	40.030291
From:	Lat/Long	**Easting:**	3,249,664.19 ft	**Longitude:**	-104.608420
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.58 °

Well Meehl 01N-65W-24-8N

Well Position	**+N/-S**	0.3 ft	**Northing:**	1,255,137.57 ft	**Latitude:**	40.030292
	+E/-W	105.0 ft	**Easting:**	3,249,769.19 ft	**Longitude:**	-104.608045
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,022.0 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/17/2014	8.30	66.66	52,600

Design Plan #1 (10-17-14)

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	8.13

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	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,213.2	12.26	109.07	1,208.6	-21.4	61.8	2.00	2.00	0.00	109.07	
3,754.1	12.26	109.07	3,691.4	-197.7	571.9	0.00	0.00	0.00	0.00	
4,367.3	0.00	0.00	4,300.0	-219.1	633.7	2.00	-2.00	0.00	180.00	
6,660.1	0.00	0.00	6,592.8	-219.1	633.7	0.00	0.00	0.00	0.00	
7,480.8	90.27	0.24	7,113.7	304.2	635.9	11.00	11.00	0.00	0.24	
11,757.6	90.27	0.24	7,093.5	4,581.0	654.1	0.00	0.00	0.00	0.00	BHL 460'FNL & 825

Database:	landmark	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Company:	Verdad Oil & Gas Corporation	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Project:	SEC.24-T1N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**North Reference:**	True
Well:	Meehl 01N-65W-24-8N	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (10-17-14)		

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
KOP - Start Build 2.00									
700.0	2.00	109.07	700.0	-0.6	1.6	-0.3	2.00	2.00	0.00
800.0	4.00	109.07	799.8	-2.3	6.6	-1.3	2.00	2.00	0.00
900.0	6.00	109.07	899.5	-5.1	14.8	-3.0	2.00	2.00	0.00
1,000.0	8.00	109.07	998.7	-9.1	26.3	-5.3	2.00	2.00	0.00
1,100.0	10.00	109.07	1,097.5	-14.2	41.1	-8.3	2.00	2.00	0.00
1,200.0	12.00	109.07	1,195.6	-20.5	59.2	-11.9	2.00	2.00	0.00
1,213.2	12.26	109.07	1,208.6	-21.4	61.8	-12.4	2.00	2.00	0.00
1,300.0	12.26	109.07	1,293.3	-27.4	79.2	-15.9	0.00	0.00	0.00
1,400.0	12.26	109.07	1,391.1	-34.3	99.3	-20.0	0.00	0.00	0.00
1,500.0	12.26	109.07	1,488.8	-41.3	119.4	-24.0	0.00	0.00	0.00
1,600.0	12.26	109.07	1,586.5	-48.2	139.4	-28.0	0.00	0.00	0.00
1,700.0	12.26	109.07	1,684.2	-55.2	159.5	-32.1	0.00	0.00	0.00
1,800.0	12.26	109.07	1,781.9	-62.1	179.6	-36.1	0.00	0.00	0.00
1,900.0	12.26	109.07	1,879.7	-69.0	199.7	-40.1	0.00	0.00	0.00
2,000.0	12.26	109.07	1,977.4	-76.0	219.7	-44.2	0.00	0.00	0.00
2,100.0	12.26	109.07	2,075.1	-82.9	239.8	-48.2	0.00	0.00	0.00
2,200.0	12.26	109.07	2,172.8	-89.9	259.9	-52.2	0.00	0.00	0.00
2,300.0	12.26	109.07	2,270.5	-96.8	280.0	-56.3	0.00	0.00	0.00
2,400.0	12.26	109.07	2,368.2	-103.7	300.1	-60.3	0.00	0.00	0.00
2,500.0	12.26	109.07	2,466.0	-110.7	320.1	-64.3	0.00	0.00	0.00
2,600.0	12.26	109.07	2,563.7	-117.6	340.2	-68.4	0.00	0.00	0.00
2,700.0	12.26	109.07	2,661.4	-124.6	360.3	-72.4	0.00	0.00	0.00
2,800.0	12.26	109.07	2,759.1	-131.5	380.4	-76.4	0.00	0.00	0.00
2,900.0	12.26	109.07	2,856.8	-138.4	400.4	-80.5	0.00	0.00	0.00
3,000.0	12.26	109.07	2,954.5	-145.4	420.5	-84.5	0.00	0.00	0.00
3,100.0	12.26	109.07	3,052.3	-152.3	440.6	-88.5	0.00	0.00	0.00
3,200.0	12.26	109.07	3,150.0	-159.3	460.7	-92.6	0.00	0.00	0.00
3,300.0	12.26	109.07	3,247.7	-166.2	480.7	-96.6	0.00	0.00	0.00
3,400.0	12.26	109.07	3,345.4	-173.2	500.8	-100.6	0.00	0.00	0.00
3,500.0	12.26	109.07	3,443.1	-180.1	520.9	-104.7	0.00	0.00	0.00
3,600.0	12.26	109.07	3,540.9	-187.0	541.0	-108.7	0.00	0.00	0.00
3,700.0	12.26	109.07	3,638.6	-194.0	561.0	-112.7	0.00	0.00	0.00
3,754.1	12.26	109.07	3,691.4	-197.7	571.9	-114.9	0.00	0.00	0.00
Start Drop -2.00									
3,800.0	11.35	109.07	3,736.4	-200.8	580.8	-116.7	2.00	-2.00	0.00
3,900.0	9.35	109.07	3,834.7	-206.7	597.8	-120.1	2.00	-2.00	0.00
4,000.0	7.35	109.07	3,933.7	-211.4	611.5	-122.9	2.00	-2.00	0.00
4,100.0	5.35	109.07	4,033.1	-215.0	621.9	-125.0	2.00	-2.00	0.00
4,200.0	3.35	109.07	4,132.8	-217.5	629.1	-126.4	2.00	-2.00	0.00
4,300.0	1.35	109.07	4,232.7	-218.8	633.0	-127.2	2.00	-2.00	0.00
4,367.3	0.00	0.00	4,300.0	-219.1	633.7	-127.3	2.00	-2.00	0.00
4,400.0	0.00	0.00	4,332.7	-219.1	633.7	-127.3	0.00	0.00	0.00
4,500.0	0.00	0.00	4,432.7	-219.1	633.7	-127.3	0.00	0.00	0.00
4,600.0	0.00	0.00	4,532.7	-219.1	633.7	-127.3	0.00	0.00	0.00
4,700.0	0.00	0.00	4,632.7	-219.1	633.7	-127.3	0.00	0.00	0.00
4,800.0	0.00	0.00	4,732.7	-219.1	633.7	-127.3	0.00	0.00	0.00

Database:	landmark	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Company:	Verdad Oil & Gas Corporation	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Project:	SEC.24-T1N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**North Reference:**	True
Well:	Meehl 01N-65W-24-8N	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (10-17-14)		

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)
4,900.0	0.00	0.00	4,832.7	-219.1	633.7	-127.3	0.00	0.00	0.00
5,000.0	0.00	0.00	4,932.7	-219.1	633.7	-127.3	0.00	0.00	0.00
5,100.0	0.00	0.00	5,032.7	-219.1	633.7	-127.3	0.00	0.00	0.00
5,200.0	0.00	0.00	5,132.7	-219.1	633.7	-127.3	0.00	0.00	0.00
5,300.0	0.00	0.00	5,232.7	-219.1	633.7	-127.3	0.00	0.00	0.00
5,400.0	0.00	0.00	5,332.7	-219.1	633.7	-127.3	0.00	0.00	0.00
5,500.0	0.00	0.00	5,432.7	-219.1	633.7	-127.3	0.00	0.00	0.00
5,600.0	0.00	0.00	5,532.7	-219.1	633.7	-127.3	0.00	0.00	0.00
5,700.0	0.00	0.00	5,632.7	-219.1	633.7	-127.3	0.00	0.00	0.00
5,800.0	0.00	0.00	5,732.7	-219.1	633.7	-127.3	0.00	0.00	0.00
5,900.0	0.00	0.00	5,832.7	-219.1	633.7	-127.3	0.00	0.00	0.00
6,000.0	0.00	0.00	5,932.7	-219.1	633.7	-127.3	0.00	0.00	0.00
6,100.0	0.00	0.00	6,032.7	-219.1	633.7	-127.3	0.00	0.00	0.00
6,200.0	0.00	0.00	6,132.7	-219.1	633.7	-127.3	0.00	0.00	0.00
6,300.0	0.00	0.00	6,232.7	-219.1	633.7	-127.3	0.00	0.00	0.00
6,400.0	0.00	0.00	6,332.7	-219.1	633.7	-127.3	0.00	0.00	0.00
6,500.0	0.00	0.00	6,432.7	-219.1	633.7	-127.3	0.00	0.00	0.00
6,600.0	0.00	0.00	6,532.7	-219.1	633.7	-127.3	0.00	0.00	0.00
6,660.1	0.00	0.00	6,592.8	-219.1	633.7	-127.3	0.00	0.00	0.00
KOP #2 - Start Build 11.00									
6,700.0	4.39	0.24	6,632.6	-217.6	633.7	-125.8	10.99	10.99	0.00
6,800.0	15.39	0.24	6,731.0	-200.4	633.8	-108.8	11.00	11.00	0.00
6,900.0	26.39	0.24	6,824.3	-164.8	633.9	-73.6	11.00	11.00	0.00
7,000.0	37.39	0.24	6,909.1	-112.1	634.2	-21.3	11.00	11.00	0.00
7,100.0	48.39	0.24	6,982.2	-44.1	634.4	46.0	11.00	11.00	0.00
7,200.0	59.39	0.24	7,041.1	36.5	634.8	125.9	11.00	11.00	0.00
7,300.0	70.39	0.24	7,083.4	126.9	635.2	215.4	11.00	11.00	0.00
7,400.0	81.39	0.24	7,107.8	223.8	635.6	311.3	11.00	11.00	0.00
7,480.8	90.27	0.24	7,113.7	304.3	635.9	391.1	10.99	10.99	0.00
7"									
7,500.0	90.27	0.24	7,113.6	323.5	636.0	410.1	0.00	0.00	0.00
7,600.0	90.27	0.24	7,113.1	423.5	636.4	509.2	0.00	0.00	0.00
7,700.0	90.27	0.24	7,112.6	523.5	636.8	608.2	0.00	0.00	0.00
7,800.0	90.27	0.24	7,112.1	623.5	637.3	707.3	0.00	0.00	0.00
7,900.0	90.27	0.24	7,111.7	723.5	637.7	806.3	0.00	0.00	0.00
8,000.0	90.27	0.24	7,111.2	823.5	638.1	905.4	0.00	0.00	0.00
8,100.0	90.27	0.24	7,110.7	923.4	638.5	1,004.4	0.00	0.00	0.00
8,200.0	90.27	0.24	7,110.3	1,023.4	639.0	1,103.5	0.00	0.00	0.00
8,300.0	90.27	0.24	7,109.8	1,123.4	639.4	1,202.5	0.00	0.00	0.00
8,400.0	90.27	0.24	7,109.3	1,223.4	639.8	1,301.6	0.00	0.00	0.00
8,500.0	90.27	0.24	7,108.9	1,323.4	640.2	1,400.6	0.00	0.00	0.00
8,600.0	90.27	0.24	7,108.4	1,423.4	640.7	1,499.7	0.00	0.00	0.00
8,700.0	90.27	0.24	7,107.9	1,523.4	641.1	1,598.8	0.00	0.00	0.00
8,800.0	90.27	0.24	7,107.4	1,623.4	641.5	1,697.8	0.00	0.00	0.00
8,900.0	90.27	0.24	7,107.0	1,723.4	641.9	1,796.9	0.00	0.00	0.00
9,000.0	90.27	0.24	7,106.5	1,823.4	642.4	1,895.9	0.00	0.00	0.00
9,100.0	90.27	0.24	7,106.0	1,923.4	642.8	1,995.0	0.00	0.00	0.00
9,200.0	90.27	0.24	7,105.6	2,023.4	643.2	2,094.0	0.00	0.00	0.00
9,300.0	90.27	0.24	7,105.1	2,123.4	643.6	2,193.1	0.00	0.00	0.00
9,400.0	90.27	0.24	7,104.6	2,223.4	644.1	2,292.1	0.00	0.00	0.00
9,500.0	90.27	0.24	7,104.1	2,323.4	644.5	2,391.2	0.00	0.00	0.00
9,600.0	90.27	0.24	7,103.7	2,423.4	644.9	2,490.2	0.00	0.00	0.00
9,700.0	90.27	0.24	7,103.2	2,523.4	645.3	2,589.3	0.00	0.00	0.00
9,800.0	90.27	0.24	7,102.7	2,623.4	645.8	2,688.4	0.00	0.00	0.00

Database:	landmark	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Company:	Verdad Oil & Gas Corporation	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Project:	SEC.24-T1N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**North Reference:**	True
Well:	Meehl 01N-65W-24-8N	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (10-17-14)		

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)
9,900.0	90.27	0.24	7,102.3	2,723.4	646.2	2,787.4	0.00	0.00	0.00
10,000.0	90.27	0.24	7,101.8	2,823.4	646.6	2,886.5	0.00	0.00	0.00
10,100.0	90.27	0.24	7,101.3	2,923.4	647.0	2,985.5	0.00	0.00	0.00
10,200.0	90.27	0.24	7,100.8	3,023.4	647.4	3,084.6	0.00	0.00	0.00
10,300.0	90.27	0.24	7,100.4	3,123.4	647.9	3,183.6	0.00	0.00	0.00
10,400.0	90.27	0.24	7,099.9	3,223.4	648.3	3,282.7	0.00	0.00	0.00
10,500.0	90.27	0.24	7,099.4	3,323.4	648.7	3,381.7	0.00	0.00	0.00
10,600.0	90.27	0.24	7,099.0	3,423.4	649.1	3,480.8	0.00	0.00	0.00
10,700.0	90.27	0.24	7,098.5	3,523.4	649.6	3,579.8	0.00	0.00	0.00
10,800.0	90.27	0.24	7,098.0	3,623.4	650.0	3,678.9	0.00	0.00	0.00
10,900.0	90.27	0.24	7,097.5	3,723.4	650.4	3,777.9	0.00	0.00	0.00
11,000.0	90.27	0.24	7,097.1	3,823.4	650.8	3,877.0	0.00	0.00	0.00
11,100.0	90.27	0.24	7,096.6	3,923.4	651.3	3,976.1	0.00	0.00	0.00
11,200.0	90.27	0.24	7,096.1	4,023.4	651.7	4,075.1	0.00	0.00	0.00
11,300.0	90.27	0.24	7,095.7	4,123.4	652.1	4,174.2	0.00	0.00	0.00
11,400.0	90.27	0.24	7,095.2	4,223.4	652.5	4,273.2	0.00	0.00	0.00
11,500.0	90.27	0.24	7,094.7	4,323.4	653.0	4,372.3	0.00	0.00	0.00
11,600.0	90.27	0.24	7,094.2	4,423.4	653.4	4,471.3	0.00	0.00	0.00
11,700.0	90.27	0.24	7,093.8	4,523.4	653.8	4,570.4	0.00	0.00	0.00
11,757.6	90.27	0.24	7,093.5	4,581.0	654.1	4,627.4	0.00	0.00	0.00
TD at 11757.6									

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Sectionline	0.00	0.00	1.0	-270.3	-805.0	1,254,859.18	3,248,966.97	40.029550	-104.610920
- plan misses by 849.2ft at 1.0ft MD (1.0 TVD, 0.0 N, 0.0 E)									
- Polygon									
Point 1			1.0	0.0	0.0	1,254,859.18	3,248,966.97		
Point 2			1.0	0.0	2,000.0	1,254,879.30	3,250,966.79		
460' Setback BHL	0.00	0.00	1.0	4,585.4	-805.0	1,259,714.45	3,248,918.15	40.042879	-104.610920
- plan misses by 4655.5ft at 1.0ft MD (1.0 TVD, 0.0 N, 0.0 E)									
- Polygon									
Point 1			1.0	0.0	0.0	1,259,714.45	3,248,918.15		
Point 2			1.0	0.0	2,000.0	1,259,734.57	3,250,917.97		
460' Setback SHL	0.00	0.00	1.0	189.7	-805.0	1,255,319.14	3,248,962.34	40.030813	-104.610920
- plan misses by 827.1ft at 1.0ft MD (1.0 TVD, 0.0 N, 0.0 E)									
- Polygon									
Point 1			1.0	0.0	0.0	1,255,319.14	3,248,962.34		
Point 2			1.0	0.0	2,000.0	1,255,339.26	3,250,962.16		
BHL 460'FNL & 825'F	0.00	0.00	7,093.5	4,581.0	654.1	1,259,724.74	3,250,377.11	40.042867	-104.605709
- plan hits target									
- Point									
SHL 270'FSL & 1458'I	0.00	0.00	1.0	0.1	0.0	1,255,137.62	3,249,769.19	40.030292	-104.608045
- plan misses by 0.1ft at 1.0ft MD (1.0 TVD, 0.0 N, 0.0 E)									
- Point									

Database:	landmark	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Company:	Verdad Oil & Gas Corporation	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Project:	SEC.24-T1N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**North Reference:**	True
Well:	Meehl 01N-65W-24-8N	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (10-17-14)		

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
7,480.8	7,113.7	7"	7	7-1/2

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
600.0	600.0	0.0	0.0	KOP - Start Build 2.00
3,754.1	3,691.4	-21.4	61.8	Start Drop -2.00
6,660.1	6,592.8	-197.7	571.9	KOP #2 - Start Build 11.00
11,757.6	7,093.5	-219.1	633.7	TD at 11757.6

ENSIGN
Directional

Verdad Oil & Gas Corporation

SEC.24-T1N-R65W
Meehl 01N-65W-24 Pad Sec.24-T01N-R65W
Meehl 01N-65W-24-8N

Wellbore #1
Plan #1 (10-17-14)

Anticollision Report

20 October, 2014

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Project:	SEC.24-T1N-R65W	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Reference Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Meehl 01N-65W-24-8N	**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 #1 (10-17-14)	**Offset TVD Reference:**	Offset Datum

Reference Plan #1 (10-17-14)

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** 10/20/2014

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	11,757.6	Plan #1 (10-17-14) (Wellbore #1)	MWD	MWD - Standard

Summary

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
Meehl 01N-65W-24 Pad Sec.24-T01N-R65W						
Meehl 01N-65W-24-1C - Wellbore #1 - Plan #1 (10-17-14	200.0	200.0	105.0	104.3	155.740	CC, ES
Meehl 01N-65W-24-1C - Wellbore #1 - Plan #1 (10-17-14	900.0	882.0	178.3	174.5	47.132	SF
Meehl 01N-65W-24-2N - Wellbore #1 - Plan #1 (10-17-14	600.0	600.0	89.9	87.4	36.358	CC, ES
Meehl 01N-65W-24-2N - Wellbore #1 - Plan #1 (10-17-14	11,757.6	11,717.3	990.1	810.6	5.517	SF
Meehl 01N-65W-24-3N - Wellbore #1 - Plan #1 (10-17-14	600.0	600.0	75.1	72.6	30.355	CC, ES
Meehl 01N-65W-24-3N - Wellbore #1 - Plan #1 (10-17-14	11,757.6	11,709.2	825.1	645.5	4.594	SF
Meehl 01N-65W-24-4N - Wellbore #1 - Plan #1 (10-17-14	600.0	600.0	59.9	57.5	24.239	CC, ES
Meehl 01N-65W-24-4N - Wellbore #1 - Plan #1 (10-17-14	11,757.6	11,706.6	660.2	480.6	3.676	SF
Meehl 01N-65W-24-5C - Wellbore #1 - Plan #1 (10-17-14	600.0	600.0	44.8	42.3	18.122	CC, ES
Meehl 01N-65W-24-5C - Wellbore #1 - Plan #1 (10-17-14	11,757.6	11,910.2	535.8	366.6	3.167	SF
Meehl 01N-65W-24-6N - Wellbore #1 - Plan #1 (10-17-14	600.0	600.0	30.0	27.5	12.119	CC, ES
Meehl 01N-65W-24-6N - Wellbore #1 - Plan #1 (10-17-14	11,757.6	11,716.8	330.1	150.5	1.838	SF
Meehl 01N-65W-24-7N - Wellbore #1 - Plan #1 (10-17-14	600.0	600.0	14.8	12.4	6.003	CC
Meehl 01N-65W-24-7N - Wellbore #1 - Plan #1 (10-17-14	11,757.6	11,735.4	165.2	-14.4	0.920	Level 1, ES, SF
Meehl 01N-65W-24-9C - Wellbore #1 - Plan #1 (10-17-14	200.0	200.0	15.1	14.4	22.427	CC, ES
Meehl 01N-65W-24-9C - Wellbore #1 - Plan #1 (10-17-14	11,757.6	12,033.7	263.1	140.2	2.141	SF

Offset Design Meehl 01N-65W-24 Pad Sec.24-T01N-R65W - Meehl 01N-65W-24-1C - Wellbore #1 - Plan #1 (10-17-1

Offset Site Error: 0.0 ft

Survey Program: 0-MWD **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-90.18	-0.3	-105.0	105.0				
100.0	100.0	100.0	100.0	0.1	0.1	-90.18	-0.3	-105.0	105.0	104.8	0.22	467.221	
200.0	200.0	200.0	200.0	0.3	0.3	-90.18	-0.3	-105.0	105.0	104.3	0.67	155.740	CC, ES
300.0	300.0	296.8	296.8	0.6	0.5	-90.59	-1.1	-106.5	106.5	105.4	1.10	96.726	
400.0	400.0	393.4	393.3	0.8	0.8	-91.75	-3.4	-110.8	111.0	109.5	1.53	72.342	
500.0	500.0	489.6	489.1	1.0	1.0	-93.48	-7.2	-117.9	118.7	116.7	2.00	59.428	
600.0	600.0	586.2	585.0	1.2	1.3	-95.55	-12.4	-127.9	129.3	126.8	2.49	51.857	
700.0	700.0	685.2	683.3	1.4	1.6	153.64	-18.2	-138.8	142.5	139.6	2.90	49.164	
800.0	799.8	783.9	781.2	1.6	1.9	152.74	-24.0	-149.7	158.9	155.6	3.34	47.610	
900.0	899.5	882.0	878.5	1.9	2.2	152.48	-29.7	-160.5	178.3	174.5	3.78	47.132	SF
1,000.0	998.7	979.4	975.1	2.1	2.5	152.68	-35.4	-171.3	200.8	196.5	4.24	47.378	
1,100.0	1,097.5	1,076.0	1,071.0	2.4	2.8	153.18	-41.1	-182.0	226.3	221.6	4.70	48.129	

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

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Project:	SEC.24-T1N-R65W	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Reference Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Meehl 01N-65W-24-8N	**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 #1 (10-17-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Meehl 01N-65W-24 Pad Sec.24-T01N-R65W - Meehl 01N-65W-24-1C - Wellbore #1 - Plan #1 (10-17-1

Offset Site Error: 0.0 ft

Survey Program: 0-MWD **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
1,200.0	1,195.6	1,171.8	1,166.1	2.8	3.1	153.86	-46.7	-192.5	254.8	249.6	5.17	49.245	
1,300.0	1,293.3	1,266.9	1,260.5	3.1	3.4	154.78	-52.3	-203.1	285.3	279.6	5.67	50.295	
1,400.0	1,391.1	1,362.1	1,354.9	3.6	3.7	155.55	-57.8	-213.6	315.8	309.6	6.18	51.130	
1,500.0	1,488.8	1,457.2	1,449.2	4.0	4.1	156.19	-63.4	-224.1	346.4	339.7	6.69	51.784	
1,600.0	1,586.5	1,552.4	1,543.6	4.4	4.4	156.72	-69.0	-234.6	377.0	369.8	7.21	52.312	
1,700.0	1,684.2	1,647.5	1,638.0	4.9	4.7	157.18	-74.5	-245.1	407.7	400.0	7.73	52.747	
1,800.0	1,781.9	1,742.6	1,732.4	5.3	5.0	157.57	-80.1	-255.6	438.4	430.1	8.25	53.109	
1,900.0	1,879.7	1,837.8	1,826.8	5.7	5.3	157.90	-85.7	-266.1	469.1	460.3	8.78	53.415	
2,000.0	1,977.4	1,932.9	1,921.2	6.2	5.6	158.20	-91.2	-276.6	499.8	490.5	9.31	53.676	
2,100.0	2,075.1	2,028.1	2,015.6	6.7	5.9	158.46	-96.8	-287.1	530.5	520.6	9.84	53.902	
2,200.0	2,172.8	2,123.2	2,110.0	7.1	6.3	158.70	-102.4	-297.6	561.2	550.8	10.37	54.098	
2,300.0	2,270.5	2,218.4	2,204.4	7.6	6.6	158.91	-107.9	-308.1	591.9	581.0	10.91	54.270	
2,400.0	2,368.2	2,313.5	2,298.8	8.0	6.9	159.10	-113.5	-318.6	622.7	611.2	11.44	54.421	
2,500.0	2,466.0	2,408.6	2,393.2	8.5	7.2	159.27	-119.1	-329.2	653.4	641.4	11.98	54.556	
2,600.0	2,563.7	2,503.8	2,487.6	9.0	7.5	159.43	-124.6	-339.7	684.1	671.6	12.51	54.676	
2,700.0	2,661.4	2,598.9	2,582.0	9.4	7.8	159.57	-130.2	-350.2	714.9	701.9	13.05	54.784	
2,800.0	2,759.1	2,694.1	2,676.4	9.9	8.1	159.70	-135.8	-360.7	745.7	732.1	13.59	54.882	
2,900.0	2,856.8	2,789.2	2,770.8	10.4	8.5	159.82	-141.3	-371.2	776.4	762.3	14.12	54.970	
3,000.0	2,954.5	2,884.3	2,865.2	10.8	8.8	159.93	-146.9	-381.7	807.2	792.5	14.66	55.050	
3,100.0	3,052.3	2,979.5	2,959.6	11.3	9.1	160.03	-152.5	-392.2	837.9	822.7	15.20	55.123	
3,200.0	3,150.0	3,074.6	3,053.9	11.7	9.4	160.13	-158.0	-402.7	868.7	853.0	15.74	55.190	
3,300.0	3,247.7	3,169.8	3,148.3	12.2	9.7	160.22	-163.6	-413.2	899.5	883.2	16.28	55.251	
3,400.0	3,345.4	3,264.9	3,242.7	12.7	10.0	160.30	-169.2	-423.7	930.2	913.4	16.82	55.308	
3,500.0	3,443.1	3,360.0	3,337.1	13.2	10.3	160.38	-174.7	-434.2	961.0	943.6	17.36	55.360	
3,600.0	3,540.9	3,455.2	3,431.5	13.6	10.7	160.45	-180.3	-444.7	991.8	973.9	17.90	55.408	

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Project:	SEC.24-T1N-R65W	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Reference Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Meehl 01N-65W-24-8N	**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 #1 (10-17-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Meehl 01N-65W-24 Pad Sec.24-T01N-R65W - Meehl 01N-65W-24-2N - Wellbore #1 - Plan #1 (10-17-1 — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-89.98	0.0	-89.9	89.9				
100.0	100.0	100.0	100.0	0.1	0.1	-89.98	0.0	-89.9	89.9	89.7	0.22	399.939	
200.0	200.0	200.0	200.0	0.3	0.3	-89.98	0.0	-89.9	89.9	89.2	0.67	133.313	
300.0	300.0	300.0	300.0	0.6	0.6	-89.98	0.0	-89.9	89.9	88.8	1.12	79.988	
400.0	400.0	400.0	400.0	0.8	0.8	-89.98	0.0	-89.9	89.9	88.3	1.57	57.134	
500.0	500.0	500.0	500.0	1.0	1.0	-89.98	0.0	-89.9	89.9	87.9	2.02	44.438	
600.0	600.0	600.0	600.0	1.2	1.2	-89.98	0.0	-89.9	89.9	87.4	2.47	36.358	CC, ES
700.0	700.0	700.0	700.0	1.4	1.5	161.29	0.0	-89.9	91.5	88.6	2.91	31.511	
800.0	799.8	799.8	799.8	1.6	1.7	162.26	0.0	-89.9	96.5	93.2	3.33	29.006	
900.0	899.5	899.5	899.5	1.9	1.9	163.66	0.0	-89.9	104.9	101.1	3.76	27.918	
1,000.0	998.7	998.7	998.7	2.1	2.1	165.29	0.0	-89.9	116.6	112.4	4.19	27.841	
1,100.0	1,097.5	1,094.4	1,094.4	2.4	2.3	166.40	-1.0	-91.1	132.9	128.3	4.60	28.901	
1,200.0	1,195.6	1,188.6	1,188.5	2.8	2.5	166.65	-3.9	-94.7	154.9	149.9	5.01	30.946	
1,300.0	1,293.3	1,281.3	1,280.9	3.1	2.7	166.34	-8.8	-100.5	181.1	175.7	5.43	33.328	
1,400.0	1,391.1	1,372.8	1,371.7	3.6	2.9	165.52	-15.4	-108.5	209.6	203.7	5.88	35.613	
1,500.0	1,488.8	1,468.1	1,466.2	4.0	3.1	164.59	-23.4	-118.1	239.2	232.9	6.36	37.630	
1,600.0	1,586.5	1,563.5	1,560.8	4.4	3.4	163.86	-31.3	-127.7	268.9	262.1	6.84	39.319	
1,700.0	1,684.2	1,658.9	1,655.4	4.9	3.6	163.28	-39.3	-137.3	298.7	291.3	7.33	40.718	
1,800.0	1,781.9	1,754.4	1,750.0	5.3	3.9	162.80	-47.3	-146.9	328.4	320.6	7.84	41.890	
1,900.0	1,879.7	1,849.8	1,844.7	5.7	4.2	162.41	-55.2	-156.5	358.2	349.8	8.36	42.866	
2,000.0	1,977.4	1,945.2	1,939.3	6.2	4.5	162.07	-63.2	-166.1	388.0	379.1	8.88	43.711	
2,100.0	2,075.1	2,040.7	2,033.9	6.7	4.8	161.78	-71.2	-175.7	417.8	408.4	9.40	44.431	
2,200.0	2,172.8	2,136.1	2,128.5	7.1	5.0	161.53	-79.1	-185.3	447.6	437.6	9.93	45.053	
2,300.0	2,270.5	2,231.6	2,223.1	7.6	5.3	161.31	-87.1	-194.9	477.4	466.9	10.47	45.593	
2,400.0	2,368.2	2,327.0	2,317.8	8.0	5.6	161.12	-95.1	-204.5	507.2	496.2	11.01	46.066	
2,500.0	2,466.0	2,422.4	2,412.4	8.5	5.9	160.94	-103.0	-214.1	537.0	525.5	11.55	46.483	
2,600.0	2,563.7	2,517.9	2,507.0	9.0	6.2	160.79	-111.0	-223.8	566.8	554.7	12.10	46.852	
2,700.0	2,661.4	2,613.3	2,601.6	9.4	6.6	160.65	-119.0	-233.4	596.7	584.0	12.65	47.181	
2,800.0	2,759.1	2,708.8	2,696.2	9.9	6.9	160.53	-126.9	-243.0	626.5	613.3	13.20	47.475	
2,900.0	2,856.8	2,804.2	2,790.9	10.4	7.2	160.41	-134.9	-252.6	656.3	642.6	13.75	47.739	
3,000.0	2,954.5	2,899.6	2,885.5	10.8	7.5	160.31	-142.9	-262.2	686.2	671.9	14.30	47.978	
3,100.0	3,052.3	2,995.1	2,980.1	11.3	7.8	160.21	-150.8	-271.8	716.0	701.1	14.86	48.194	
3,200.0	3,150.0	3,090.5	3,074.7	11.7	8.1	160.12	-158.8	-281.4	745.8	730.4	15.41	48.390	
3,300.0	3,247.7	3,185.9	3,169.3	12.2	8.4	160.04	-166.8	-291.0	775.7	759.7	15.97	48.570	
3,400.0	3,345.4	3,281.4	3,264.0	12.7	8.7	159.97	-174.7	-300.6	805.5	789.0	16.53	48.734	
3,500.0	3,443.1	3,376.8	3,358.6	13.2	9.1	159.90	-182.7	-310.2	835.4	818.3	17.09	48.885	
3,600.0	3,540.9	3,472.3	3,453.2	13.6	9.4	159.83	-190.7	-319.8	865.2	847.6	17.65	49.023	
3,700.0	3,638.6	3,567.7	3,547.8	14.1	9.7	159.77	-198.6	-329.4	895.1	876.8	18.21	49.152	
3,800.0	3,736.4	3,669.0	3,648.2	14.5	10.0	159.80	-207.0	-339.5	924.5	905.7	18.79	49.193	
3,900.0	3,834.7	3,798.9	3,777.5	14.8	10.3	159.96	-215.3	-349.5	949.1	929.7	19.34	49.060	
4,000.0	3,933.7	3,931.8	3,910.2	15.1	10.6	160.21	-220.0	-355.1	966.9	947.1	19.84	48.744	
4,100.0	4,033.1	4,054.7	4,033.1	15.3	10.8	160.51	-220.9	-356.2	978.1	957.9	20.27	48.264	
4,200.0	4,132.8	4,154.4	4,132.8	15.5	10.9	160.70	-220.9	-356.2	985.3	964.7	20.63	47.760	
4,300.0	4,232.7	4,254.3	4,232.7	15.7	11.1	160.81	-220.9	-356.2	989.1	968.2	20.96	47.184	
4,400.0	4,332.7	4,354.3	4,332.7	15.8	11.3	-90.10	-220.9	-356.2	989.9	968.6	21.30	46.469	
4,500.0	4,432.7	4,454.3	4,432.7	15.9	11.4	-90.10	-220.9	-356.2	989.9	968.2	21.65	45.724	
4,600.0	4,532.7	4,554.3	4,532.7	16.1	11.6	-90.10	-220.9	-356.2	989.9	967.9	22.00	44.995	
4,700.0	4,632.7	4,654.3	4,632.7	16.2	11.8	-90.10	-220.9	-356.2	989.9	967.5	22.35	44.283	
4,800.0	4,732.7	4,754.3	4,732.7	16.3	11.9	-90.10	-220.9	-356.2	989.9	967.2	22.71	43.586	
4,900.0	4,832.7	4,854.3	4,832.7	16.5	12.1	-90.10	-220.9	-356.2	989.9	966.8	23.07	42.904	
5,000.0	4,932.7	4,954.3	4,932.7	16.6	12.3	-90.10	-220.9	-356.2	989.9	966.5	23.44	42.238	
5,100.0	5,032.7	5,054.3	5,032.7	16.7	12.5	-90.10	-220.9	-356.2	989.9	966.1	23.80	41.588	

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Project:	SEC.24-T1N-R65W	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Reference Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Meehl 01N-65W-24-8N	**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 #1 (10-17-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Meehl 01N-65W-24 Pad Sec.24-T01N-R65W - Meehl 01N-65W-24-2N - Wellbore #1 - Plan #1 (10-17-1

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,132.7	5,154.3	5,132.7	16.9	12.6	-90.10	-220.9	-356.2	989.9	965.7	24.17	40.952	
5,300.0	5,232.7	5,254.3	5,232.7	17.0	12.8	-90.10	-220.9	-356.2	989.9	965.4	24.54	40.331	
5,400.0	5,332.7	5,354.3	5,332.7	17.1	13.0	-90.10	-220.9	-356.2	989.9	965.0	24.92	39.725	
5,500.0	5,432.7	5,454.3	5,432.7	17.3	13.2	-90.10	-220.9	-356.2	989.9	964.6	25.30	39.133	
5,600.0	5,532.7	5,554.3	5,532.7	17.4	13.4	-90.10	-220.9	-356.2	989.9	964.2	25.68	38.554	
5,700.0	5,632.7	5,654.3	5,632.7	17.6	13.6	-90.10	-220.9	-356.2	989.9	963.8	26.06	37.990	
5,800.0	5,732.7	5,754.3	5,732.7	17.7	13.7	-90.10	-220.9	-356.2	989.9	963.5	26.44	37.439	
5,900.0	5,832.7	5,854.3	5,832.7	17.9	13.9	-90.10	-220.9	-356.2	989.9	963.1	26.83	36.900	
6,000.0	5,932.7	5,954.3	5,932.7	18.0	14.1	-90.10	-220.9	-356.2	989.9	962.7	27.21	36.374	
6,100.0	6,032.7	6,054.3	6,032.7	18.2	14.3	-90.10	-220.9	-356.2	989.9	962.3	27.60	35.861	
6,200.0	6,132.7	6,154.3	6,132.7	18.3	14.5	-90.10	-220.9	-356.2	989.9	961.9	27.99	35.360	
6,300.0	6,232.7	6,254.3	6,232.7	18.5	14.7	-90.10	-220.9	-356.2	989.9	961.5	28.39	34.870	
6,400.0	6,332.7	6,354.3	6,332.7	18.6	14.9	-90.10	-220.9	-356.2	989.9	961.1	28.78	34.392	
6,500.0	6,432.7	6,454.3	6,432.7	18.8	15.1	-90.10	-220.9	-356.2	989.9	960.7	29.18	33.925	
6,600.0	6,532.7	6,554.3	6,532.7	19.0	15.3	-90.10	-220.9	-356.2	989.9	960.3	29.58	33.469	
6,700.0	6,632.6	6,654.8	6,633.1	19.1	15.5	-90.34	-219.3	-356.2	989.9	959.9	29.95	33.046	
6,800.0	6,731.0	6,755.9	6,732.5	19.2	15.6	-90.33	-201.8	-356.1	989.9	959.7	30.21	32.770	
6,900.0	6,824.3	6,857.0	6,826.7	19.3	15.7	-90.31	-165.4	-356.0	989.9	959.6	30.33	32.633	
7,000.0	6,909.1	6,957.9	6,911.9	19.3	15.7	-90.27	-111.7	-355.7	989.9	959.5	30.42	32.538	
7,100.0	6,982.2	7,058.8	6,985.2	19.3	15.7	-90.23	-42.6	-355.4	989.9	959.3	30.59	32.361	
7,167.3	7,023.5	7,126.5	7,026.3	19.3	15.7	-90.19	11.2	-355.2	989.9	959.1	30.83	32.113	
7,200.0	7,041.1	7,159.4	7,043.7	19.3	15.7	-90.18	39.2	-355.1	989.9	958.9	30.96	31.973	
7,300.0	7,083.4	7,259.9	7,085.3	19.4	15.8	-90.12	130.4	-354.7	989.9	958.3	31.64	31.287	
7,400.0	7,107.8	7,360.2	7,108.7	19.5	16.3	-90.05	227.8	-354.3	989.9	957.2	32.68	30.294	
7,500.0	7,113.6	7,460.3	7,113.6	19.9	17.0	-90.00	327.6	-353.9	989.9	955.8	34.07	29.057	
7,600.0	7,113.1	7,560.3	7,113.1	20.4	17.9	-90.00	427.6	-353.5	989.9	954.1	35.81	27.647	
7,700.0	7,112.6	7,660.3	7,112.6	21.2	18.9	-90.00	527.6	-353.0	989.9	952.1	37.84	26.160	
7,800.0	7,112.1	7,760.3	7,112.1	22.1	20.1	-90.00	627.6	-352.6	989.9	949.8	40.14	24.663	
7,900.0	7,111.7	7,860.3	7,111.7	23.3	21.4	-90.00	727.6	-352.2	989.9	947.3	42.66	23.207	
8,000.0	7,111.2	7,960.3	7,111.2	24.5	22.7	-90.00	827.6	-351.8	989.9	944.6	45.36	21.825	
8,100.0	7,110.7	8,060.3	7,110.7	25.8	24.2	-90.00	927.6	-351.4	989.9	941.7	48.21	20.533	
8,200.0	7,110.3	8,160.3	7,110.3	27.2	25.7	-90.00	1,027.6	-350.9	989.9	938.7	51.19	19.337	
8,300.0	7,109.8	8,260.3	7,109.8	28.6	27.2	-90.00	1,127.6	-350.5	989.9	935.6	54.28	18.237	
8,400.0	7,109.3	8,360.3	7,109.3	30.2	28.8	-90.00	1,227.6	-350.1	989.9	932.5	57.46	17.228	
8,500.0	7,108.9	8,460.3	7,108.8	31.7	30.4	-90.00	1,327.6	-349.7	989.9	929.2	60.71	16.305	
8,600.0	7,108.4	8,560.3	7,108.4	33.3	32.1	-90.00	1,427.6	-349.3	989.9	925.9	64.03	15.461	
8,700.0	7,107.9	8,660.3	7,107.9	34.9	33.8	-90.00	1,527.6	-348.8	989.9	922.5	67.40	14.688	
8,800.0	7,107.4	8,760.3	7,107.4	36.6	35.5	-90.00	1,627.6	-348.4	989.9	919.1	70.82	13.979	
8,900.0	7,107.0	8,860.3	7,107.0	38.3	37.2	-90.00	1,727.6	-348.0	990.0	915.7	74.27	13.328	
9,000.0	7,106.5	8,960.3	7,106.5	40.0	39.0	-90.00	1,827.6	-347.6	990.0	912.2	77.77	12.730	
9,100.0	7,106.0	9,060.3	7,106.0	41.7	40.7	-90.00	1,927.6	-347.2	990.0	908.7	81.29	12.178	
9,200.0	7,105.6	9,160.3	7,105.5	43.4	42.5	-90.00	2,027.6	-346.7	990.0	905.1	84.84	11.669	
9,300.0	7,105.1	9,260.3	7,105.1	45.2	44.3	-90.00	2,127.6	-346.3	990.0	901.6	88.41	11.198	
9,400.0	7,104.6	9,360.3	7,104.6	46.9	46.1	-90.00	2,227.6	-345.9	990.0	898.0	92.00	10.760	
9,500.0	7,104.1	9,460.3	7,104.1	48.7	47.9	-90.00	2,327.6	-345.5	990.0	894.4	95.61	10.354	
9,600.0	7,103.7	9,560.3	7,103.7	50.5	49.7	-90.00	2,427.6	-345.1	990.0	890.7	99.24	9.976	
9,700.0	7,103.2	9,660.3	7,103.2	52.3	51.5	-90.00	2,527.6	-344.6	990.0	887.1	102.88	9.623	
9,800.0	7,102.7	9,760.3	7,102.7	54.1	53.3	-90.00	2,627.6	-344.2	990.0	883.4	106.54	9.292	
9,900.0	7,102.3	9,860.3	7,102.3	55.9	55.2	-90.00	2,727.6	-343.8	990.0	879.8	110.20	8.983	
10,000.0	7,101.8	9,960.3	7,101.8	57.7	57.0	-90.00	2,827.6	-343.4	990.0	876.1	113.88	8.693	
10,100.0	7,101.3	10,060.3	7,101.3	59.5	58.9	-90.00	2,927.6	-343.0	990.0	872.4	117.57	8.421	
10,200.0	7,100.8	10,160.3	7,100.8	61.3	60.7	-90.00	3,027.6	-342.5	990.0	868.7	121.26	8.164	

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Project:	SEC.24-T1N-R65W	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Reference Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Meehl 01N-65W-24-8N	**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 #1 (10-17-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Meehl 01N-65W-24 Pad Sec.24-T01N-R65W - Meehl 01N-65W-24-2N - Wellbore #1 - Plan #1 (10-17-1

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,300.0	7,100.4	10,260.3	7,100.4	63.2	62.6	-90.00	3,127.6	-342.1	990.0	865.0	124.97	7.922	
10,400.0	7,099.9	10,360.3	7,099.9	65.0	64.4	-90.00	3,227.6	-341.7	990.0	861.3	128.68	7.694	
10,500.0	7,099.4	10,460.3	7,099.4	66.8	66.3	-90.00	3,327.6	-341.3	990.0	857.6	132.39	7.478	
10,600.0	7,099.0	10,560.3	7,099.0	68.7	68.1	-90.00	3,427.6	-340.9	990.0	853.9	136.12	7.273	
10,700.0	7,098.5	10,660.3	7,098.5	70.5	70.0	-90.00	3,527.6	-340.4	990.0	850.2	139.85	7.079	
10,800.0	7,098.0	10,760.3	7,098.0	72.4	71.9	-90.00	3,627.6	-340.0	990.0	846.4	143.58	6.895	
10,900.0	7,097.5	10,860.3	7,097.5	74.2	73.7	-90.00	3,727.6	-339.6	990.0	842.7	147.32	6.720	
11,000.0	7,097.1	10,960.3	7,097.1	76.1	75.6	-90.00	3,827.6	-339.2	990.0	839.0	151.07	6.554	
11,100.0	7,096.6	11,060.3	7,096.6	78.0	77.5	-90.00	3,927.5	-338.8	990.0	835.2	154.81	6.395	
11,200.0	7,096.1	11,160.3	7,096.1	79.8	79.3	-90.00	4,027.5	-338.3	990.0	831.5	158.56	6.244	
11,300.0	7,095.7	11,260.3	7,095.7	81.7	81.2	-90.00	4,127.5	-337.9	990.0	827.7	162.32	6.099	
11,400.0	7,095.2	11,360.3	7,095.2	83.6	83.1	-90.00	4,227.5	-337.5	990.0	824.0	166.08	5.961	
11,500.0	7,094.7	11,460.3	7,094.7	85.4	85.0	-90.00	4,327.5	-337.1	990.1	820.2	169.84	5.829	
11,600.0	7,094.2	11,560.3	7,094.2	87.3	86.9	-90.00	4,427.5	-336.7	990.1	816.4	173.61	5.703	
11,700.0	7,093.8	11,660.3	7,093.8	89.2	88.7	-90.00	4,527.5	-336.2	990.1	812.7	177.37	5.582	
11,730.5	7,093.6	11,690.7	7,093.6	89.7	89.3	-90.00	4,558.0	-336.1	990.1	811.5	178.52	5.546	
11,757.6	7,093.5	11,717.3	7,093.5	90.2	89.8	-90.00	4,584.6	-336.0	990.1	810.6	179.47	5.517 SF	

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Project:	SEC.24-T1N-R65W	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Reference Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Meehl 01N-65W-24-8N	**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 #1 (10-17-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Meehl 01N-65W-24 Pad Sec.24-T01N-R65W - Meehl 01N-65W-24-3N - Wellbore #1 - Plan #1 (10-17-1 — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-90.25	-0.3	-75.1	75.1				
100.0	100.0	100.0	100.0	0.1	0.1	-90.25	-0.3	-75.1	75.1	74.8	0.22	333.909	
200.0	200.0	200.0	200.0	0.3	0.3	-90.25	-0.3	-75.1	75.1	74.4	0.67	111.303	
300.0	300.0	300.0	300.0	0.6	0.6	-90.25	-0.3	-75.1	75.1	73.9	1.12	66.782	
400.0	400.0	400.0	400.0	0.8	0.8	-90.25	-0.3	-75.1	75.1	73.5	1.57	47.701	
500.0	500.0	500.0	500.0	1.0	1.0	-90.25	-0.3	-75.1	75.1	73.0	2.02	37.101	
600.0	600.0	600.0	600.0	1.2	1.2	-90.25	-0.3	-75.1	75.1	72.6	2.47	30.355	CC, ES
700.0	700.0	700.0	700.0	1.4	1.5	161.10	-0.3	-75.1	76.7	73.8	2.91	26.401	
800.0	799.8	799.8	799.8	1.6	1.7	162.26	-0.3	-75.1	81.7	78.3	3.33	24.544	
900.0	899.5	899.5	899.5	1.9	1.9	163.90	-0.3	-75.1	90.0	86.3	3.76	23.967	
1,000.0	998.7	998.7	998.7	2.1	2.1	165.75	-0.3	-75.1	101.8	97.6	4.19	24.304	
1,100.0	1,097.5	1,097.5	1,097.5	2.4	2.4	167.56	-0.3	-75.1	117.0	112.4	4.62	25.317	
1,200.0	1,195.6	1,195.6	1,195.6	2.8	2.6	169.23	-0.3	-75.1	135.7	130.7	5.06	26.836	
1,300.0	1,293.3	1,293.3	1,293.3	3.1	2.8	170.67	-0.3	-75.1	156.6	151.1	5.51	28.438	
1,400.0	1,391.1	1,391.1	1,391.1	3.6	3.0	171.78	-0.3	-75.1	177.6	171.7	5.96	29.779	
1,500.0	1,488.8	1,488.8	1,488.8	4.0	3.2	172.65	-0.3	-75.1	198.7	192.3	6.43	30.917	
1,600.0	1,586.5	1,586.5	1,586.5	4.4	3.5	173.36	-0.3	-75.1	219.8	212.9	6.89	31.891	
1,700.0	1,684.2	1,682.4	1,682.4	4.9	3.6	173.66	-1.4	-75.6	241.2	233.9	7.34	32.881	
1,800.0	1,781.9	1,777.7	1,777.6	5.3	3.8	173.22	-5.2	-77.6	263.5	255.7	7.77	33.926	
1,900.0	1,879.7	1,872.4	1,872.0	5.7	4.0	172.24	-11.8	-81.1	286.6	278.4	8.21	34.927	
2,000.0	1,977.4	1,967.0	1,966.0	6.2	4.2	170.84	-21.0	-86.0	310.8	302.2	8.67	35.855	
2,100.0	2,075.1	2,063.6	2,061.9	6.7	4.4	169.46	-31.3	-91.4	335.5	326.3	9.15	36.650	
2,200.0	2,172.8	2,160.2	2,157.8	7.1	4.6	168.27	-41.6	-96.8	360.3	350.6	9.65	37.328	
2,300.0	2,270.5	2,256.8	2,253.7	7.6	4.8	167.23	-51.9	-102.2	385.2	375.1	10.16	37.904	
2,400.0	2,368.2	2,353.4	2,349.6	8.0	5.1	166.32	-62.1	-107.7	410.3	399.6	10.69	38.390	
2,500.0	2,466.0	2,450.1	2,445.6	8.5	5.3	165.51	-72.4	-113.1	435.4	424.2	11.22	38.813	
2,600.0	2,563.7	2,546.7	2,541.5	9.0	5.6	164.79	-82.7	-118.5	460.6	448.8	11.76	39.175	
2,700.0	2,661.4	2,643.3	2,637.4	9.4	5.8	164.15	-93.0	-124.0	485.9	473.6	12.30	39.487	
2,800.0	2,759.1	2,739.9	2,733.3	9.9	6.1	163.57	-103.3	-129.4	511.2	498.3	12.86	39.758	
2,900.0	2,856.8	2,836.5	2,829.2	10.4	6.3	163.04	-113.6	-134.8	536.5	523.1	13.42	39.994	
3,000.0	2,954.5	2,933.2	2,925.1	10.8	6.6	162.56	-123.8	-140.2	561.9	547.9	13.98	40.201	
3,100.0	3,052.3	3,029.8	3,021.1	11.3	6.9	162.12	-134.1	-145.7	587.4	572.8	14.54	40.382	
3,200.0	3,150.0	3,126.4	3,117.0	11.7	7.2	161.72	-144.4	-151.1	612.8	597.7	15.12	40.543	
3,300.0	3,247.7	3,223.0	3,212.9	12.2	7.4	161.35	-154.7	-156.5	638.3	622.6	15.69	40.685	
3,400.0	3,345.4	3,319.6	3,308.8	12.7	7.7	161.01	-165.0	-161.9	663.8	647.5	16.27	40.811	
3,500.0	3,443.1	3,416.2	3,404.7	13.2	8.0	160.70	-175.3	-167.4	689.3	672.5	16.84	40.924	
3,600.0	3,540.9	3,512.9	3,500.6	13.6	8.3	160.40	-185.5	-172.8	714.9	697.5	17.43	41.025	
3,700.0	3,638.6	3,609.5	3,596.6	14.1	8.6	160.13	-195.8	-178.2	740.5	722.4	18.01	41.116	
3,800.0	3,736.4	3,711.7	3,698.0	14.5	8.9	159.95	-206.4	-183.8	765.6	747.0	18.60	41.154	
3,900.0	3,834.7	3,823.9	3,809.8	14.8	9.1	159.98	-214.9	-188.3	786.5	767.4	19.12	41.128	
4,000.0	3,933.7	3,937.7	3,923.5	15.1	9.4	160.16	-219.6	-190.8	802.4	782.8	19.59	40.962	
4,100.0	4,033.1	4,047.3	4,033.1	15.3	9.6	160.46	-220.5	-191.3	813.2	793.2	19.99	40.678	
4,200.0	4,132.8	4,147.0	4,132.8	15.5	9.8	160.69	-220.5	-191.3	820.3	800.0	20.35	40.320	
4,300.0	4,232.7	4,246.9	4,232.7	15.7	9.9	160.81	-220.5	-191.3	824.2	803.5	20.67	39.865	
4,400.0	4,332.7	4,346.9	4,332.7	15.8	10.1	-90.10	-220.5	-191.3	825.0	803.9	21.02	39.247	
4,500.0	4,432.7	4,446.9	4,432.7	15.9	10.3	-90.10	-220.5	-191.3	825.0	803.6	21.37	38.594	
4,600.0	4,532.7	4,546.9	4,532.7	16.1	10.5	-90.10	-220.5	-191.3	825.0	803.2	21.73	37.957	
4,700.0	4,632.7	4,646.9	4,632.7	16.2	10.7	-90.10	-220.5	-191.3	825.0	802.9	22.10	37.335	
4,800.0	4,732.7	4,746.9	4,732.7	16.3	10.9	-90.10	-220.5	-191.3	825.0	802.5	22.46	36.728	
4,900.0	4,832.7	4,846.9	4,832.7	16.5	11.1	-90.10	-220.5	-191.3	825.0	802.1	22.83	36.135	
5,000.0	4,932.7	4,946.9	4,932.7	16.6	11.3	-90.10	-220.5	-191.3	825.0	801.8	23.20	35.557	
5,100.0	5,032.7	5,046.9	5,032.7	16.7	11.5	-90.10	-220.5	-191.3	825.0	801.4	23.57	34.994	

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Project:	SEC.24-T1N-R65W	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Reference Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Meehl 01N-65W-24-8N	**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 #1 (10-17-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Meehl 01N-65W-24 Pad Sec.24-T01N-R65W - Meehl 01N-65W-24-3N - Wellbore #1 - Plan #1 (10-17-1

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,132.7	5,146.9	5,132.7	16.9	11.7	-90.10	-220.5	-191.3	825.0	801.0	23.95	34.444	
5,300.0	5,232.7	5,246.9	5,232.7	17.0	11.9	-90.10	-220.5	-191.3	825.0	800.6	24.33	33.908	
5,400.0	5,332.7	5,346.9	5,332.7	17.1	12.1	-90.10	-220.5	-191.3	825.0	800.2	24.71	33.385	
5,500.0	5,432.7	5,446.9	5,432.7	17.3	12.3	-90.10	-220.5	-191.3	825.0	799.9	25.09	32.875	
5,600.0	5,532.7	5,546.9	5,532.7	17.4	12.5	-90.10	-220.5	-191.3	825.0	799.5	25.48	32.377	
5,700.0	5,632.7	5,646.9	5,632.7	17.6	12.7	-90.10	-220.5	-191.3	825.0	799.1	25.87	31.892	
5,800.0	5,732.7	5,746.9	5,732.7	17.7	12.9	-90.10	-220.5	-191.3	825.0	798.7	26.26	31.419	
5,900.0	5,832.7	5,846.9	5,832.7	17.9	13.1	-90.10	-220.5	-191.3	825.0	798.3	26.65	30.958	
6,000.0	5,932.7	5,946.9	5,932.7	18.0	13.3	-90.10	-220.5	-191.3	825.0	797.9	27.04	30.508	
6,100.0	6,032.7	6,046.9	6,032.7	18.2	13.5	-90.10	-220.5	-191.3	825.0	797.5	27.44	30.069	
6,200.0	6,132.7	6,146.9	6,132.7	18.3	13.7	-90.10	-220.5	-191.3	825.0	797.1	27.83	29.640	
6,300.0	6,232.7	6,246.9	6,232.7	18.5	13.9	-90.10	-220.5	-191.3	825.0	796.7	28.23	29.222	
6,400.0	6,332.7	6,346.9	6,332.7	18.6	14.1	-90.10	-220.5	-191.3	825.0	796.3	28.63	28.815	
6,500.0	6,432.7	6,446.9	6,432.7	18.8	14.3	-90.10	-220.5	-191.3	825.0	795.9	29.03	28.417	
6,600.0	6,532.7	6,546.9	6,532.7	19.0	14.5	-90.10	-220.5	-191.3	825.0	795.5	29.43	28.028	
6,700.0	6,632.6	6,647.2	6,633.0	19.1	14.7	-90.34	-219.0	-191.2	825.0	795.1	29.81	27.671	
6,800.0	6,731.0	6,748.2	6,732.3	19.2	14.8	-90.33	-201.5	-191.2	825.0	794.9	30.07	27.433	
6,900.0	6,824.3	6,849.1	6,826.2	19.3	14.9	-90.31	-165.3	-191.0	825.0	794.7	30.20	27.312	
7,000.0	6,909.1	6,949.9	6,911.4	19.3	15.0	-90.27	-111.7	-190.8	825.0	794.7	30.30	27.225	
7,015.7	6,921.4	6,965.7	6,923.8	19.3	15.0	-90.27	-101.8	-190.8	825.0	794.6	30.33	27.203	
7,100.0	6,982.2	7,050.5	6,984.7	19.3	15.0	-90.23	-42.8	-190.5	825.0	794.5	30.48	27.067	
7,200.0	7,041.1	7,151.1	7,043.2	19.3	15.1	-90.17	38.7	-190.2	825.0	794.1	30.86	26.732	
7,300.0	7,083.4	7,251.5	7,085.0	19.4	15.5	-90.11	129.9	-189.8	825.0	793.4	31.55	26.146	
7,400.0	7,107.8	7,351.7	7,108.5	19.5	16.0	-90.05	227.1	-189.4	825.0	792.4	32.60	25.303	
7,500.0	7,113.6	7,451.8	7,113.6	19.9	16.7	-90.00	326.9	-189.0	825.0	791.0	34.01	24.257	
7,600.0	7,113.1	7,551.8	7,113.1	20.4	17.7	-90.00	426.9	-188.5	825.0	789.2	35.76	23.071	
7,700.0	7,112.6	7,651.8	7,112.6	21.2	18.7	-90.00	526.9	-188.1	825.0	787.2	37.80	21.823	
7,800.0	7,112.1	7,751.8	7,112.1	22.1	19.9	-90.00	626.9	-187.7	825.0	784.9	40.11	20.568	
7,900.0	7,111.7	7,851.8	7,111.7	23.3	21.2	-90.00	726.9	-187.3	825.0	782.3	42.64	19.350	
8,000.0	7,111.2	7,951.8	7,111.2	24.5	22.5	-90.00	826.9	-186.9	825.0	779.6	45.34	18.194	
8,100.0	7,110.7	8,051.8	7,110.7	25.8	24.0	-90.00	926.9	-186.4	825.0	776.8	48.21	17.114	
8,200.0	7,110.3	8,151.8	7,110.3	27.2	25.5	-90.00	1,026.9	-186.0	825.0	773.8	51.19	16.115	
8,300.0	7,109.8	8,251.8	7,109.8	28.6	27.0	-90.00	1,126.9	-185.6	825.0	770.7	54.29	15.197	
8,400.0	7,109.3	8,351.8	7,109.3	30.2	28.6	-90.00	1,226.9	-185.2	825.0	767.5	57.47	14.355	
8,500.0	7,108.9	8,451.8	7,108.9	31.7	30.3	-90.00	1,326.9	-184.8	825.0	764.3	60.73	13.586	
8,600.0	7,108.4	8,551.8	7,108.4	33.3	32.0	-90.00	1,426.9	-184.3	825.0	761.0	64.05	12.881	
8,700.0	7,107.9	8,651.8	7,107.9	34.9	33.6	-90.00	1,526.9	-183.9	825.0	757.6	67.42	12.237	
8,800.0	7,107.4	8,751.8	7,107.4	36.6	35.4	-90.00	1,626.9	-183.5	825.0	754.2	70.84	11.646	
8,900.0	7,107.0	8,851.8	7,107.0	38.3	37.1	-90.00	1,726.9	-183.1	825.0	750.7	74.30	11.104	
9,000.0	7,106.5	8,951.8	7,106.5	40.0	38.9	-90.00	1,826.9	-182.7	825.0	747.2	77.79	10.605	
9,100.0	7,106.0	9,051.8	7,106.0	41.7	40.6	-90.00	1,926.9	-182.2	825.0	743.7	81.32	10.146	
9,200.0	7,105.6	9,151.8	7,105.6	43.4	42.4	-90.00	2,026.9	-181.8	825.0	740.2	84.87	9.721	
9,300.0	7,105.1	9,251.8	7,105.1	45.2	44.2	-90.00	2,126.9	-181.4	825.0	736.6	88.44	9.328	
9,400.0	7,104.6	9,351.8	7,104.6	46.9	46.0	-90.00	2,226.9	-181.0	825.0	733.0	92.04	8.964	
9,500.0	7,104.1	9,451.8	7,104.1	48.7	47.8	-90.00	2,326.9	-180.6	825.0	729.4	95.65	8.626	
9,600.0	7,103.7	9,551.8	7,103.7	50.5	49.6	-90.00	2,426.9	-180.1	825.1	725.8	99.28	8.310	
9,700.0	7,103.2	9,651.8	7,103.2	52.3	51.4	-90.00	2,526.9	-179.7	825.1	722.1	102.92	8.016	
9,800.0	7,102.7	9,751.8	7,102.7	54.1	53.3	-90.00	2,626.9	-179.3	825.1	718.5	106.58	7.741	
9,900.0	7,102.3	9,851.8	7,102.3	55.9	55.1	-90.00	2,726.9	-178.9	825.1	714.8	110.25	7.484	
10,000.0	7,101.8	9,951.8	7,101.8	57.7	57.0	-90.00	2,826.9	-178.5	825.1	711.1	113.93	7.242	
10,100.0	7,101.3	10,051.8	7,101.3	59.5	58.8	-90.00	2,926.9	-178.0	825.1	707.5	117.61	7.015	
10,200.0	7,100.8	10,151.8	7,100.8	61.3	60.7	-90.00	3,026.9	-177.6	825.1	703.8	121.31	6.801	

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Project:	SEC.24-T1N-R65W	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Reference Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Meehl 01N-65W-24-8N	**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 #1 (10-17-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Meehl 01N-65W-24 Pad Sec.24-T01N-R65W - Meehl 01N-65W-24-3N - Wellbore #1 - Plan #1 (10-17-1

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,300.0	7,100.4	10,251.8	7,100.4	63.2	62.5	-90.00	3,126.9	-177.2	825.1	700.1	125.01	6.600	
10,400.0	7,099.9	10,351.8	7,099.9	65.0	64.4	-90.00	3,226.9	-176.8	825.1	696.4	128.73	6.410	
10,500.0	7,099.4	10,451.8	7,099.4	66.8	66.2	-90.00	3,326.9	-176.4	825.1	692.6	132.44	6.230	
10,600.0	7,099.0	10,551.8	7,099.0	68.7	68.1	-90.00	3,426.9	-175.9	825.1	688.9	136.17	6.059	
10,700.0	7,098.5	10,651.8	7,098.5	70.5	70.0	-90.00	3,526.9	-175.5	825.1	685.2	139.90	5.898	
10,800.0	7,098.0	10,751.8	7,098.0	72.4	71.8	-90.00	3,626.9	-175.1	825.1	681.5	143.63	5.744	
10,900.0	7,097.5	10,851.8	7,097.5	74.2	73.7	-90.00	3,726.9	-174.7	825.1	677.7	147.37	5.599	
11,000.0	7,097.1	10,951.8	7,097.1	76.1	75.6	-90.00	3,826.9	-174.3	825.1	674.0	151.12	5.460	
11,100.0	7,096.6	11,051.8	7,096.6	78.0	77.5	-90.00	3,926.9	-173.8	825.1	670.3	154.87	5.328	
11,200.0	7,096.1	11,151.8	7,096.1	79.8	79.3	-90.00	4,026.9	-173.4	825.1	666.5	158.62	5.202	
11,300.0	7,095.7	11,251.8	7,095.7	81.7	81.2	-90.00	4,126.8	-173.0	825.1	662.8	162.37	5.082	
11,400.0	7,095.2	11,351.8	7,095.2	83.6	83.1	-90.00	4,226.8	-172.6	825.1	659.0	166.13	4.967	
11,500.0	7,094.7	11,451.8	7,094.7	85.4	85.0	-90.00	4,326.8	-172.2	825.1	655.2	169.90	4.857	
11,600.0	7,094.2	11,551.8	7,094.2	87.3	86.9	-90.00	4,426.8	-171.7	825.1	651.5	173.66	4.751	
11,700.0	7,093.8	11,651.8	7,093.8	89.2	88.7	-90.00	4,526.8	-171.3	825.1	647.7	177.43	4.651	
11,726.5	7,093.6	11,678.3	7,093.6	89.7	89.2	-90.00	4,553.3	-171.2	825.1	646.7	178.43	4.625	
11,757.6	7,093.5	11,709.2	7,093.5	90.2	89.8	-90.00	4,584.3	-171.1	825.1	645.5	179.60	4.594	SF

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Project:	SEC.24-T1N-R65W	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Reference Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Meehl 01N-65W-24-8N	**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 #1 (10-17-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Meehl 01N-65W-24 Pad Sec.24-T01N-R65W - Meehl 01N-65W-24-4N - Wellbore #1 - Plan #1 (10-17-1 — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-89.96	0.0	-59.9	59.9				
100.0	100.0	100.0	100.0	0.1	0.1	-89.96	0.0	-59.9	59.9	59.7	0.22	266.626	
200.0	200.0	200.0	200.0	0.3	0.3	-89.96	0.0	-59.9	59.9	59.3	0.67	88.875	
300.0	300.0	300.0	300.0	0.6	0.6	-89.96	0.0	-59.9	59.9	58.8	1.12	53.325	
400.0	400.0	400.0	400.0	0.8	0.8	-89.96	0.0	-59.9	59.9	58.4	1.57	38.089	
500.0	500.0	500.0	500.0	1.0	1.0	-89.96	0.0	-59.9	59.9	57.9	2.02	29.625	
600.0	600.0	600.0	600.0	1.2	1.2	-89.96	0.0	-59.9	59.9	57.5	2.47	24.239	CC, ES
700.0	700.0	700.0	700.0	1.4	1.5	161.48	0.0	-59.9	61.6	58.7	2.91	21.197	
800.0	799.8	799.8	799.8	1.6	1.7	162.88	0.0	-59.9	66.6	63.2	3.33	20.005	
900.0	899.5	899.5	899.5	1.9	1.9	164.80	0.0	-59.9	74.9	71.2	3.76	19.955	
1,000.0	998.7	998.7	998.7	2.1	2.1	166.86	0.0	-59.9	86.8	82.6	4.19	20.721	
1,100.0	1,097.5	1,097.5	1,097.5	2.4	2.4	168.79	0.0	-59.9	102.1	97.4	4.62	22.089	
1,200.0	1,195.6	1,195.6	1,195.6	2.8	2.6	170.49	0.0	-59.9	120.8	115.8	5.05	23.907	
1,300.0	1,293.3	1,293.3	1,293.3	3.1	2.8	171.90	0.0	-59.9	141.8	136.3	5.50	25.767	
1,400.0	1,391.1	1,391.1	1,391.1	3.6	3.0	172.95	0.0	-59.9	162.9	156.9	5.96	27.327	
1,500.0	1,488.8	1,488.8	1,488.8	4.0	3.2	173.76	0.0	-59.9	184.0	177.6	6.42	28.652	
1,600.0	1,586.5	1,586.5	1,586.5	4.4	3.5	174.41	0.0	-59.9	205.1	198.2	6.89	29.788	
1,700.0	1,684.2	1,684.2	1,684.2	4.9	3.7	174.93	0.0	-59.9	226.3	218.9	7.35	30.771	
1,800.0	1,781.9	1,781.9	1,781.9	5.3	3.9	175.36	0.0	-59.9	247.5	239.6	7.82	31.630	
1,900.0	1,879.7	1,882.7	1,882.7	5.7	4.1	175.50	-1.1	-59.7	268.2	259.9	8.28	32.395	
2,000.0	1,977.4	1,984.7	1,984.6	6.2	4.3	174.96	-5.8	-59.0	287.6	278.8	8.71	32.996	
2,100.0	2,075.1	2,086.9	2,086.4	6.7	4.5	173.85	-14.2	-57.8	305.6	296.5	9.16	33.351	
2,200.0	2,172.8	2,187.3	2,186.2	7.1	4.6	172.34	-25.4	-56.0	322.7	313.1	9.63	33.496	
2,300.0	2,270.5	2,285.5	2,283.7	7.6	4.8	170.94	-37.0	-54.3	339.8	329.7	10.12	33.566	
2,400.0	2,368.2	2,383.7	2,381.2	8.0	5.1	169.67	-48.6	-52.5	357.1	346.5	10.63	33.595	
2,500.0	2,466.0	2,481.9	2,478.7	8.5	5.3	168.52	-60.1	-50.7	374.5	363.4	11.15	33.589	
2,600.0	2,563.7	2,580.1	2,576.2	9.0	5.5	167.47	-71.7	-49.0	392.1	380.4	11.68	33.557	
2,700.0	2,661.4	2,678.3	2,673.7	9.4	5.8	166.51	-83.2	-47.2	409.8	397.5	12.23	33.503	
2,800.0	2,759.1	2,776.5	2,771.2	9.9	6.0	165.63	-94.8	-45.5	427.6	414.8	12.79	33.434	
2,900.0	2,856.8	2,874.7	2,868.7	10.4	6.3	164.82	-106.3	-43.7	445.4	432.1	13.35	33.354	
3,000.0	2,954.5	2,972.9	2,966.2	10.8	6.5	164.07	-117.9	-41.9	463.4	449.5	13.93	33.267	
3,100.0	3,052.3	3,071.1	3,063.7	11.3	6.8	163.37	-129.5	-40.2	481.4	466.9	14.51	33.174	
3,200.0	3,150.0	3,169.3	3,161.2	11.7	7.1	162.73	-141.0	-38.4	499.5	484.4	15.10	33.078	
3,300.0	3,247.7	3,267.5	3,258.7	12.2	7.3	162.13	-152.6	-36.6	517.7	502.0	15.70	32.980	
3,400.0	3,345.4	3,365.7	3,356.2	12.7	7.6	161.58	-164.1	-34.9	535.9	519.6	16.30	32.881	
3,500.0	3,443.1	3,463.9	3,453.7	13.2	7.9	161.06	-175.7	-33.1	554.1	537.2	16.90	32.783	
3,600.0	3,540.9	3,562.1	3,551.2	13.6	8.2	160.57	-187.2	-31.4	572.4	554.9	17.51	32.687	
3,700.0	3,638.6	3,660.3	3,648.7	14.1	8.5	160.11	-198.8	-29.6	590.7	572.6	18.13	32.592	
3,800.0	3,736.4	3,756.1	3,743.9	14.5	8.7	159.86	-208.8	-28.1	608.9	590.2	18.69	32.574	
3,900.0	3,834.7	3,851.9	3,839.5	14.8	8.9	159.88	-215.7	-27.0	624.8	605.7	19.18	32.585	
4,000.0	3,933.7	3,948.1	3,935.7	15.1	9.1	160.06	-219.4	-26.4	638.0	618.4	19.60	32.554	
4,100.0	4,033.1	4,045.5	4,033.1	15.3	9.3	160.39	-220.2	-26.3	648.3	628.3	19.96	32.472	
4,200.0	4,132.8	4,145.3	4,132.8	15.5	9.5	160.66	-220.2	-26.3	655.4	635.1	20.30	32.283	
4,300.0	4,232.7	4,245.2	4,232.7	15.7	9.7	160.81	-220.2	-26.3	659.3	638.7	20.62	31.972	
4,400.0	4,332.7	4,345.2	4,332.7	15.8	9.9	-90.09	-220.2	-26.3	660.0	639.1	20.97	31.482	
4,500.0	4,432.7	4,445.2	4,432.7	15.9	10.1	-90.09	-220.2	-26.3	660.0	638.7	21.32	30.953	
4,600.0	4,532.7	4,545.2	4,532.7	16.1	10.3	-90.09	-220.2	-26.3	660.0	638.3	21.68	30.437	
4,700.0	4,632.7	4,645.2	4,632.7	16.2	10.5	-90.09	-220.2	-26.3	660.0	638.0	22.05	29.934	
4,800.0	4,732.7	4,745.2	4,732.7	16.3	10.7	-90.09	-220.2	-26.3	660.0	637.6	22.42	29.443	
4,900.0	4,832.7	4,845.2	4,832.7	16.5	10.9	-90.09	-220.2	-26.3	660.0	637.2	22.79	28.964	
5,000.0	4,932.7	4,945.2	4,932.7	16.6	11.0	-90.09	-220.2	-26.3	660.0	636.9	23.16	28.498	
5,100.0	5,032.7	5,045.2	5,032.7	16.7	11.2	-90.09	-220.2	-26.3	660.0	636.5	23.54	28.043	

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Project:	SEC.24-T1N-R65W	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Reference Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Meehl 01N-65W-24-8N	**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 #1 (10-17-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Meehl 01N-65W-24 Pad Sec.24-T01N-R65W - Meehl 01N-65W-24-4N - Wellbore #1 - Plan #1 (10-17-1

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,132.7	5,145.2	5,132.7	16.9	11.4	-90.09	-220.2	-26.3	660.0	636.1	23.91	27.599	
5,300.0	5,232.7	5,245.2	5,232.7	17.0	11.6	-90.09	-220.2	-26.3	660.0	635.7	24.30	27.167	
5,400.0	5,332.7	5,345.2	5,332.7	17.1	11.9	-90.09	-220.2	-26.3	660.0	635.4	24.68	26.745	
5,500.0	5,432.7	5,445.2	5,432.7	17.3	12.1	-90.09	-220.2	-26.3	660.0	635.0	25.06	26.334	
5,600.0	5,532.7	5,545.2	5,532.7	17.4	12.3	-90.09	-220.2	-26.3	660.0	634.6	25.45	25.933	
5,700.0	5,632.7	5,645.2	5,632.7	17.6	12.5	-90.09	-220.2	-26.3	660.0	634.2	25.84	25.543	
5,800.0	5,732.7	5,745.2	5,732.7	17.7	12.7	-90.09	-220.2	-26.3	660.0	633.8	26.23	25.162	
5,900.0	5,832.7	5,845.2	5,832.7	17.9	12.9	-90.09	-220.2	-26.3	660.0	633.4	26.62	24.790	
6,000.0	5,932.7	5,945.2	5,932.7	18.0	13.1	-90.09	-220.2	-26.3	660.0	633.0	27.02	24.428	
6,100.0	6,032.7	6,045.2	6,032.7	18.2	13.3	-90.09	-220.2	-26.3	660.0	632.6	27.42	24.075	
6,200.0	6,132.7	6,145.2	6,132.7	18.3	13.5	-90.09	-220.2	-26.3	660.0	632.2	27.81	23.731	
6,300.0	6,232.7	6,245.2	6,232.7	18.5	13.7	-90.09	-220.2	-26.3	660.0	631.8	28.21	23.395	
6,400.0	6,332.7	6,345.2	6,332.7	18.6	13.9	-90.09	-220.2	-26.3	660.0	631.4	28.61	23.067	
6,500.0	6,432.7	6,445.2	6,432.7	18.8	14.1	-90.09	-220.2	-26.3	660.0	631.0	29.02	22.747	
6,600.0	6,532.7	6,545.2	6,532.7	19.0	14.3	-90.09	-220.2	-26.3	660.0	630.6	29.42	22.435	
6,700.0	6,632.6	6,645.5	6,632.9	19.1	14.5	-90.33	-218.6	-26.3	660.0	630.2	29.80	22.150	
6,800.0	6,731.0	6,746.2	6,732.0	19.2	14.7	-90.32	-201.2	-26.2	660.0	630.0	30.06	21.959	
6,900.0	6,824.3	6,846.9	6,825.8	19.3	14.7	-90.30	-165.1	-26.1	660.0	629.8	30.19	21.859	
7,000.0	6,909.1	6,947.5	6,910.9	19.3	14.8	-90.27	-111.7	-25.9	660.0	629.7	30.30	21.786	
7,100.0	6,982.2	7,048.0	6,984.1	19.3	14.9	-90.22	-43.1	-25.6	660.0	629.6	30.48	21.656	
7,200.0	7,041.1	7,148.5	7,042.8	19.3	15.1	-90.17	38.3	-25.2	660.0	629.2	30.87	21.383	
7,300.0	7,083.4	7,248.8	7,084.7	19.4	15.5	-90.11	129.3	-24.9	660.0	628.5	31.56	20.911	
7,400.0	7,107.8	7,349.0	7,108.4	19.5	16.0	-90.05	226.4	-24.5	660.0	627.4	32.62	20.235	
7,500.0	7,113.6	7,449.0	7,113.6	19.9	16.7	-90.00	326.2	-24.0	660.0	626.0	34.03	19.397	
7,600.0	7,113.1	7,549.0	7,113.1	20.4	17.6	-90.00	426.2	-23.6	660.0	624.3	35.78	18.449	
7,700.0	7,112.6	7,649.0	7,112.6	21.2	18.7	-90.00	526.2	-23.2	660.1	622.2	37.82	17.451	
7,800.0	7,112.1	7,749.0	7,112.1	22.1	19.9	-90.00	626.2	-22.8	660.1	619.9	40.13	16.448	
7,900.0	7,111.7	7,849.0	7,111.7	23.3	21.1	-90.00	726.2	-22.4	660.1	617.4	42.66	15.474	
8,000.0	7,111.2	7,949.0	7,111.2	24.5	22.5	-90.00	826.2	-21.9	660.1	614.7	45.37	14.550	
8,100.0	7,110.7	8,049.0	7,110.7	25.8	24.0	-90.00	926.2	-21.5	660.1	611.8	48.23	13.686	
8,200.0	7,110.3	8,149.0	7,110.3	27.2	25.5	-90.00	1,026.2	-21.1	660.1	608.9	51.22	12.888	
8,300.0	7,109.8	8,249.0	7,109.8	28.6	27.0	-90.00	1,126.2	-20.7	660.1	605.8	54.31	12.154	
8,400.0	7,109.3	8,349.0	7,109.3	30.2	28.6	-90.00	1,226.2	-20.3	660.1	602.6	57.49	11.481	
8,500.0	7,108.9	8,449.0	7,108.9	31.7	30.3	-90.00	1,326.2	-19.8	660.1	599.3	60.75	10.866	
8,600.0	7,108.4	8,549.0	7,108.4	33.3	31.9	-90.00	1,426.2	-19.4	660.1	596.0	64.07	10.303	
8,700.0	7,107.9	8,649.0	7,107.9	34.9	33.6	-90.00	1,526.2	-19.0	660.1	592.7	67.44	9.787	
8,800.0	7,107.4	8,749.0	7,107.4	36.6	35.4	-90.00	1,626.2	-18.6	660.1	589.2	70.86	9.315	
8,900.0	7,107.0	8,849.0	7,107.0	38.3	37.1	-90.00	1,726.2	-18.2	660.1	585.8	74.32	8.882	
9,000.0	7,106.5	8,949.0	7,106.5	40.0	38.9	-90.00	1,826.2	-17.7	660.1	582.3	77.82	8.483	
9,100.0	7,106.0	9,049.0	7,106.0	41.7	40.6	-90.00	1,926.2	-17.3	660.1	578.8	81.34	8.115	
9,200.0	7,105.6	9,149.0	7,105.6	43.4	42.4	-90.00	2,026.2	-16.9	660.1	575.2	84.89	7.776	
9,300.0	7,105.1	9,249.0	7,105.1	45.2	44.2	-90.00	2,126.2	-16.5	660.1	571.7	88.47	7.462	
9,400.0	7,104.6	9,349.0	7,104.6	46.9	46.0	-90.00	2,226.2	-16.1	660.1	568.1	92.06	7.171	
9,500.0	7,104.1	9,449.0	7,104.1	48.7	47.8	-90.00	2,326.2	-15.6	660.1	564.5	95.67	6.900	
9,600.0	7,103.7	9,549.0	7,103.7	50.5	49.6	-90.00	2,426.2	-15.2	660.1	560.8	99.30	6.648	
9,700.0	7,103.2	9,649.0	7,103.2	52.3	51.5	-90.00	2,526.2	-14.8	660.1	557.2	102.95	6.413	
9,800.0	7,102.7	9,749.0	7,102.7	54.1	53.3	-90.00	2,626.2	-14.4	660.1	553.5	106.60	6.193	
9,900.0	7,102.3	9,849.0	7,102.3	55.9	55.1	-90.00	2,726.2	-14.0	660.1	549.9	110.27	5.987	
10,000.0	7,101.8	9,949.0	7,101.8	57.7	57.0	-90.00	2,826.2	-13.5	660.2	546.2	113.95	5.793	
10,100.0	7,101.3	10,049.0	7,101.3	59.5	58.8	-90.00	2,926.2	-13.1	660.2	542.5	117.63	5.612	
10,200.0	7,100.8	10,149.0	7,100.8	61.3	60.7	-90.00	3,026.2	-12.7	660.2	538.8	121.33	5.441	
10,300.0	7,100.4	10,249.0	7,100.4	63.2	62.5	-90.00	3,126.2	-12.3	660.2	535.1	125.04	5.280	

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Project:	SEC.24-T1N-R65W	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Reference Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Meehl 01N-65W-24-8N	**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 #1 (10-17-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Meehl 01N-65W-24 Pad Sec.24-T01N-R65W - Meehl 01N-65W-24-4N - Wellbore #1 - Plan #1 (10-17-1

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,400.0	7,099.9	10,349.0	7,099.9	65.0	64.4	-90.00	3,226.2	-11.9	660.2	531.4	128.75	5.128	
10,500.0	7,099.4	10,449.0	7,099.4	66.8	66.2	-90.00	3,326.2	-11.4	660.2	527.7	132.47	4.984	
10,600.0	7,099.0	10,549.0	7,099.0	68.7	68.1	-90.00	3,426.2	-11.0	660.2	524.0	136.19	4.847	
10,700.0	7,098.5	10,649.0	7,098.5	70.5	70.0	-90.00	3,526.2	-10.6	660.2	520.3	139.92	4.718	
10,800.0	7,098.0	10,749.0	7,098.0	72.4	71.8	-90.00	3,626.2	-10.2	660.2	516.5	143.66	4.596	
10,900.0	7,097.5	10,849.0	7,097.5	74.2	73.7	-90.00	3,726.2	-9.8	660.2	512.8	147.40	4.479	
11,000.0	7,097.1	10,949.0	7,097.1	76.1	75.6	-90.00	3,826.2	-9.3	660.2	509.1	151.14	4.368	
11,100.0	7,096.6	11,049.0	7,096.6	78.0	77.5	-90.00	3,926.2	-8.9	660.2	505.3	154.89	4.262	
11,200.0	7,096.1	11,149.0	7,096.1	79.8	79.3	-90.00	4,026.2	-8.5	660.2	501.6	158.64	4.162	
11,300.0	7,095.7	11,249.0	7,095.7	81.7	81.2	-90.00	4,126.2	-8.1	660.2	497.8	162.40	4.065	
11,400.0	7,095.2	11,349.0	7,095.2	83.6	83.1	-90.00	4,226.2	-7.7	660.2	494.1	166.15	3.973	
11,500.0	7,094.7	11,449.0	7,094.7	85.4	85.0	-90.00	4,326.2	-7.3	660.2	490.3	169.92	3.886	
11,600.0	7,094.2	11,549.0	7,094.2	87.3	86.9	-90.00	4,426.1	-6.8	660.2	486.5	173.68	3.801	
11,700.0	7,093.8	11,649.0	7,093.8	89.2	88.7	-90.00	4,526.1	-6.4	660.2	482.8	177.45	3.721	
11,757.6	7,093.5	11,706.6	7,093.5	90.2	89.8	-90.00	4,583.8	-6.2	660.2	480.6	179.62	3.676 SF	

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Project:	SEC.24-T1N-R65W	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Reference Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Meehl 01N-65W-24-8N	**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 #1 (10-17-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Meehl 01N-65W-24 Pad Sec.24-T01N-R65W - Meehl 01N-65W-24-5C - Wellbore #1 - Plan #1 (10-17-1 — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-89.97	0.0	-44.8	44.8				
100.0	100.0	100.0	100.0	0.1	0.1	-89.97	0.0	-44.8	44.8	44.6	0.22	199.347	
200.0	200.0	200.0	200.0	0.3	0.3	-89.97	0.0	-44.8	44.8	44.1	0.67	66.449	
300.0	300.0	300.0	300.0	0.6	0.6	-89.97	0.0	-44.8	44.8	43.7	1.12	39.869	
400.0	400.0	400.0	400.0	0.8	0.8	-89.97	0.0	-44.8	44.8	43.2	1.57	28.478	
500.0	500.0	500.0	500.0	1.0	1.0	-89.97	0.0	-44.8	44.8	42.8	2.02	22.150	
600.0	600.0	600.0	600.0	1.2	1.2	-89.97	0.0	-44.8	44.8	42.3	2.47	18.122	CC, ES
700.0	700.0	700.0	700.0	1.4	1.5	161.65	0.0	-44.8	46.5	43.6	2.91	15.992	
800.0	799.8	799.8	799.8	1.6	1.7	163.45	0.0	-44.8	51.5	48.1	3.33	15.464	
900.0	899.5	899.5	899.5	1.9	1.9	165.79	0.0	-44.8	59.9	56.1	3.76	15.940	
1,000.0	998.7	998.7	998.7	2.1	2.1	168.13	0.0	-44.8	71.7	67.6	4.19	17.137	
1,100.0	1,097.5	1,097.5	1,097.5	2.4	2.4	170.19	0.0	-44.8	87.1	82.5	4.62	18.860	
1,200.0	1,195.6	1,195.6	1,195.6	2.8	2.6	171.89	0.0	-44.8	106.0	100.9	5.05	20.975	
1,300.0	1,293.3	1,293.3	1,293.3	3.1	2.8	173.24	0.0	-44.8	127.0	121.5	5.50	23.091	
1,400.0	1,391.1	1,391.1	1,391.1	3.6	3.0	174.20	0.0	-44.8	148.1	142.2	5.96	24.869	
1,500.0	1,488.8	1,488.8	1,488.8	4.0	3.2	174.93	0.0	-44.8	169.3	162.9	6.42	26.380	
1,600.0	1,586.5	1,586.5	1,586.5	4.4	3.5	175.49	0.0	-44.8	190.5	183.6	6.88	27.677	
1,700.0	1,684.2	1,684.2	1,684.2	4.9	3.7	175.95	0.0	-44.8	211.6	204.3	7.35	28.800	
1,800.0	1,781.9	1,781.9	1,781.9	5.3	3.9	176.32	0.0	-44.8	232.8	225.0	7.82	29.781	
1,900.0	1,879.7	1,879.7	1,879.7	5.7	4.1	176.62	0.0	-44.8	254.0	245.8	8.29	30.645	
2,000.0	1,977.4	1,977.4	1,977.4	6.2	4.3	176.88	0.0	-44.8	275.3	266.5	8.76	31.410	
2,100.0	2,075.1	2,082.1	2,082.1	6.7	4.5	176.99	-0.9	-44.1	295.6	286.3	9.23	32.019	
2,200.0	2,172.8	2,190.1	2,189.9	7.1	4.7	176.68	-4.8	-40.8	312.9	303.3	9.68	32.324	
2,300.0	2,270.5	2,299.0	2,298.5	7.6	4.9	175.99	-12.0	-34.8	327.2	317.1	10.14	32.267	
2,400.0	2,368.2	2,404.5	2,403.2	8.0	5.2	175.02	-21.7	-26.7	338.7	328.1	10.61	31.920	
2,500.0	2,466.0	2,503.7	2,501.6	8.5	5.4	174.10	-31.4	-18.7	349.8	338.7	11.09	31.546	
2,600.0	2,563.7	2,602.9	2,600.0	9.0	5.6	173.23	-41.1	-10.6	360.9	349.3	11.57	31.179	
2,700.0	2,661.4	2,702.2	2,698.4	9.4	5.8	172.41	-50.8	-2.5	372.0	360.0	12.07	30.821	
2,800.0	2,759.1	2,801.4	2,796.9	9.9	6.1	171.64	-60.5	5.6	383.3	370.7	12.58	30.472	
2,900.0	2,856.8	2,900.7	2,895.3	10.4	6.3	170.92	-70.2	13.7	394.6	381.5	13.10	30.134	
3,000.0	2,954.5	2,999.9	2,993.7	10.8	6.6	170.24	-79.9	21.8	406.0	392.4	13.62	29.807	
3,100.0	3,052.3	3,099.1	3,092.2	11.3	6.9	169.59	-89.6	29.8	417.4	403.3	14.15	29.491	
3,200.0	3,150.0	3,198.4	3,190.6	11.7	7.1	168.98	-99.3	37.9	428.9	414.2	14.70	29.187	
3,300.0	3,247.7	3,297.6	3,289.0	12.2	7.4	168.40	-109.0	46.0	440.4	425.2	15.24	28.893	
3,400.0	3,345.4	3,396.8	3,387.5	12.7	7.7	167.85	-118.7	54.1	452.0	436.2	15.80	28.612	
3,500.0	3,443.1	3,496.1	3,485.9	13.2	8.0	167.32	-128.4	62.2	463.6	447.3	16.36	28.341	
3,600.0	3,540.9	3,595.3	3,584.3	13.6	8.3	166.83	-138.1	70.2	475.3	458.3	16.92	28.081	
3,700.0	3,638.6	3,694.5	3,682.8	14.1	8.6	166.35	-147.8	78.3	486.9	469.4	17.50	27.831	
3,800.0	3,736.4	3,793.8	3,781.2	14.5	8.9	165.92	-157.5	86.4	498.3	480.2	18.08	27.563	
3,900.0	3,834.7	3,893.3	3,879.9	14.8	9.2	165.43	-167.2	94.5	506.8	488.2	18.63	27.204	
4,000.0	3,933.7	3,993.1	3,978.8	15.1	9.5	164.85	-177.0	102.6	512.0	492.8	19.17	26.714	
4,100.0	4,033.1	4,092.8	4,077.8	15.3	9.8	164.16	-186.7	110.7	513.9	494.2	19.69	26.104	
4,200.0	4,132.8	4,192.6	4,176.7	15.5	10.1	163.34	-196.5	118.9	512.5	492.3	20.19	25.383	
4,300.0	4,232.7	4,287.9	4,271.3	15.7	10.3	162.45	-205.6	126.5	508.1	487.5	20.66	24.596	
4,400.0	4,332.7	4,377.1	4,360.1	15.8	10.6	-89.24	-212.4	132.2	502.3	481.3	21.09	23.823	
4,500.0	4,432.7	4,466.7	4,449.5	15.9	10.8	-89.77	-217.1	136.1	497.9	476.4	21.49	23.165	
4,600.0	4,532.7	4,556.7	4,539.4	16.1	10.9	-90.07	-219.7	138.2	495.6	473.7	21.87	22.659	
4,700.0	4,632.7	4,650.0	4,632.7	16.2	11.1	-90.12	-220.2	138.6	495.1	472.9	22.22	22.278	
4,800.0	4,732.7	4,750.0	4,732.7	16.3	11.3	-90.12	-220.2	138.6	495.1	472.5	22.59	21.921	
4,900.0	4,832.7	4,850.0	4,832.7	16.5	11.5	-90.12	-220.2	138.6	495.1	472.2	22.95	21.571	
5,000.0	4,932.7	4,950.0	4,932.7	16.6	11.7	-90.12	-220.2	138.6	495.1	471.8	23.32	21.230	
5,100.0	5,032.7	5,050.0	5,032.7	16.7	11.9	-90.12	-220.2	138.6	495.1	471.4	23.69	20.898	

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

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Project:	SEC.24-T1N-R65W	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Reference Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Meehl 01N-65W-24-8N	**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 #1 (10-17-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Meehl 01N-65W-24 Pad Sec.24-T01N-R65W - Meehl 01N-65W-24-5C - Wellbore #1 - Plan #1 (10-17-1

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,132.7	5,150.0	5,132.7	16.9	12.0	-90.12	-220.2	138.6	495.1	471.0	24.07	20.573	
5,300.0	5,232.7	5,250.0	5,232.7	17.0	12.2	-90.12	-220.2	138.6	495.1	470.7	24.44	20.256	
5,400.0	5,332.7	5,350.0	5,332.7	17.1	12.4	-90.12	-220.2	138.6	495.1	470.3	24.82	19.947	
5,500.0	5,432.7	5,450.0	5,432.7	17.3	12.6	-90.12	-220.2	138.6	495.1	469.9	25.20	19.645	
5,600.0	5,532.7	5,550.0	5,532.7	17.4	12.8	-90.12	-220.2	138.6	495.1	469.5	25.59	19.350	
5,700.0	5,632.7	5,650.0	5,632.7	17.6	13.0	-90.12	-220.2	138.6	495.1	469.1	25.97	19.063	
5,800.0	5,732.7	5,750.0	5,732.7	17.7	13.2	-90.12	-220.2	138.6	495.1	468.7	26.36	18.783	
5,900.0	5,832.7	5,850.0	5,832.7	17.9	13.4	-90.12	-220.2	138.6	495.1	468.4	26.75	18.509	
6,000.0	5,932.7	5,950.0	5,932.7	18.0	13.6	-90.12	-220.2	138.6	495.1	468.0	27.14	18.243	
6,100.0	6,032.7	6,050.0	6,032.7	18.2	13.8	-90.12	-220.2	138.6	495.1	467.6	27.53	17.982	
6,200.0	6,132.7	6,150.0	6,132.7	18.3	14.0	-90.12	-220.2	138.6	495.1	467.2	27.93	17.728	
6,300.0	6,232.7	6,250.0	6,232.7	18.5	14.2	-90.12	-220.2	138.6	495.1	466.8	28.32	17.480	
6,400.0	6,332.7	6,350.0	6,332.7	18.6	14.4	-90.12	-220.2	138.6	495.1	466.4	28.72	17.238	
6,500.0	6,432.7	6,450.0	6,432.7	18.8	14.6	-90.12	-220.2	138.6	495.1	466.0	29.12	17.001	
6,600.0	6,532.7	6,550.0	6,532.7	19.0	14.8	-90.12	-220.2	138.6	495.1	465.6	29.52	16.771	
6,644.4	6,577.0	6,594.3	6,577.0	19.0	14.9	-90.45	-220.2	138.6	495.1	465.4	29.69	16.678	
6,700.0	6,632.6	6,649.9	6,632.6	19.1	15.0	-90.54	-220.2	138.6	495.1	465.2	29.91	16.551	
6,800.0	6,731.0	6,748.3	6,731.0	19.2	15.2	-92.44	-220.2	138.6	495.6	465.2	30.38	16.314	
6,900.0	6,824.3	6,845.5	6,828.1	19.3	15.4	-96.01	-219.0	138.6	498.3	467.4	30.86	16.149	
7,000.0	6,909.1	6,953.8	6,934.7	19.3	15.6	-100.01	-200.4	138.7	503.9	472.8	31.15	16.177	
7,100.0	6,982.2	7,073.1	7,044.8	19.3	15.7	-103.82	-155.1	138.9	511.7	480.5	31.18	16.411	
7,200.0	7,041.1	7,205.1	7,151.0	19.3	15.7	-107.24	-77.3	139.2	520.2	489.2	31.07	16.745	
7,300.0	7,083.4	7,350.4	7,241.2	19.4	15.8	-109.96	36.0	139.7	527.9	496.7	31.16	16.940	
7,400.0	7,107.8	7,506.7	7,299.4	19.5	16.2	-111.62	180.4	140.3	532.8	500.9	31.95	16.677	
7,500.0	7,113.6	7,653.6	7,313.4	19.9	17.2	-111.98	326.3	140.9	533.9	500.3	33.58	15.900	
7,600.0	7,113.1	7,753.6	7,313.0	20.4	18.1	-111.99	426.3	141.3	533.9	498.7	35.24	15.152	
7,700.0	7,112.6	7,853.6	7,312.7	21.2	19.2	-112.00	526.3	141.8	534.0	496.8	37.16	14.370	
7,800.0	7,112.1	7,953.6	7,312.3	22.1	20.3	-112.01	626.3	142.2	534.0	494.7	39.32	13.583	
7,900.0	7,111.7	8,053.6	7,312.0	23.3	21.6	-112.03	726.3	142.6	534.1	492.4	41.67	12.816	
8,000.0	7,111.2	8,153.6	7,311.6	24.5	22.9	-112.04	826.3	143.0	534.1	489.9	44.19	12.086	
8,100.0	7,110.7	8,253.6	7,311.3	25.8	24.3	-112.05	926.3	143.5	534.2	487.3	46.85	11.400	
8,200.0	7,110.3	8,353.6	7,310.9	27.2	25.8	-112.06	1,026.3	143.9	534.2	484.6	49.63	10.763	
8,300.0	7,109.8	8,453.6	7,310.6	28.6	27.4	-112.07	1,126.3	144.3	534.2	481.7	52.51	10.175	
8,400.0	7,109.3	8,553.6	7,310.2	30.2	28.9	-112.09	1,226.3	144.7	534.3	478.8	55.47	9.633	
8,500.0	7,108.9	8,653.6	7,309.9	31.7	30.6	-112.10	1,326.2	145.2	534.3	475.8	58.49	9.135	
8,600.0	7,108.4	8,753.6	7,309.5	33.3	32.2	-112.11	1,426.2	145.6	534.4	472.8	61.58	8.677	
8,700.0	7,107.9	8,853.6	7,309.2	34.9	33.9	-112.12	1,526.2	146.0	534.4	469.7	64.72	8.257	
8,800.0	7,107.4	8,953.6	7,308.8	36.6	35.6	-112.14	1,626.2	146.4	534.5	466.6	67.91	7.871	
8,900.0	7,107.0	9,053.6	7,308.5	38.3	37.3	-112.15	1,726.2	146.9	534.5	463.4	71.13	7.515	
9,000.0	7,106.5	9,153.6	7,308.1	40.0	39.1	-112.16	1,826.2	147.3	534.6	460.2	74.38	7.187	
9,100.0	7,106.0	9,253.6	7,307.8	41.7	40.8	-112.17	1,926.2	147.7	534.6	456.9	77.66	6.883	
9,200.0	7,105.6	9,353.6	7,307.4	43.4	42.6	-112.18	2,026.2	148.1	534.6	453.7	80.97	6.603	
9,300.0	7,105.1	9,453.6	7,307.1	45.2	44.4	-112.20	2,126.2	148.6	534.7	450.4	84.30	6.343	
9,400.0	7,104.6	9,553.6	7,306.7	46.9	46.2	-112.21	2,226.2	149.0	534.7	447.1	87.65	6.101	
9,500.0	7,104.1	9,653.6	7,306.4	48.7	48.0	-112.22	2,326.2	149.4	534.8	443.8	91.02	5.876	
9,600.0	7,103.7	9,753.6	7,306.0	50.5	49.8	-112.23	2,426.2	149.9	534.8	440.4	94.40	5.665	
9,700.0	7,103.2	9,853.6	7,305.7	52.3	51.6	-112.25	2,526.2	150.3	534.9	437.1	97.80	5.469	
9,800.0	7,102.7	9,953.6	7,305.3	54.1	53.4	-112.26	2,626.2	150.7	534.9	433.7	101.20	5.285	
9,900.0	7,102.3	10,053.6	7,305.0	55.9	55.3	-112.27	2,726.2	151.1	535.0	430.3	104.62	5.113	
10,000.0	7,101.8	10,153.6	7,304.6	57.7	57.1	-112.28	2,826.2	151.6	535.0	426.9	108.05	4.951	
10,100.0	7,101.3	10,253.6	7,304.3	59.5	58.9	-112.29	2,926.2	152.0	535.0	423.6	111.49	4.799	
10,200.0	7,100.8	10,353.6	7,303.9	61.3	60.8	-112.31	3,026.2	152.4	535.1	420.2	114.94	4.656	

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Project:	SEC.24-T1N-R65W	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Reference Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Meehl 01N-65W-24-8N	**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 #1 (10-17-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Meehl 01N-65W-24 Pad Sec.24-T01N-R65W - Meehl 01N-65W-24-5C - Wellbore #1 - Plan #1 (10-17-1

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,300.0	7,100.4	10,453.6	7,303.6	63.2	62.6	-112.32	3,126.2	152.8	535.1	416.7	118.39	4.520	
10,400.0	7,099.9	10,553.6	7,303.2	65.0	64.5	-112.33	3,226.2	153.3	535.2	413.3	121.85	4.392	
10,500.0	7,099.4	10,653.6	7,302.9	66.8	66.3	-112.34	3,326.2	153.7	535.2	409.9	125.32	4.271	
10,600.0	7,099.0	10,753.6	7,302.5	68.7	68.2	-112.35	3,426.2	154.1	535.3	406.5	128.79	4.156	
10,700.0	7,098.5	10,853.6	7,302.2	70.5	70.1	-112.37	3,526.2	154.5	535.3	403.1	132.27	4.047	
10,800.0	7,098.0	10,953.6	7,301.8	72.4	71.9	-112.38	3,626.2	155.0	535.4	399.6	135.75	3.944	
10,900.0	7,097.5	11,053.6	7,301.5	74.2	73.8	-112.39	3,726.2	155.4	535.4	396.2	139.23	3.845	
11,000.0	7,097.1	11,153.6	7,301.1	76.1	75.7	-112.40	3,826.2	155.8	535.5	392.7	142.72	3.752	
11,100.0	7,096.6	11,253.6	7,300.8	78.0	77.5	-112.42	3,926.2	156.2	535.5	389.3	146.22	3.662	
11,200.0	7,096.1	11,353.6	7,300.4	79.8	79.4	-112.43	4,026.2	156.7	535.5	385.8	149.71	3.577	
11,300.0	7,095.7	11,453.6	7,300.1	81.7	81.3	-112.44	4,126.2	157.1	535.6	382.4	153.21	3.496	
11,400.0	7,095.2	11,553.6	7,299.7	83.6	83.2	-112.45	4,226.2	157.5	535.6	378.9	156.72	3.418	
11,500.0	7,094.7	11,653.6	7,299.4	85.4	85.0	-112.46	4,326.2	157.9	535.7	375.5	160.22	3.343	
11,600.0	7,094.2	11,753.6	7,299.0	87.3	86.9	-112.48	4,426.2	158.4	535.7	372.0	163.73	3.272	
11,700.0	7,093.8	11,853.6	7,298.7	89.2	88.8	-112.49	4,526.2	158.8	535.8	368.5	167.24	3.204	
11,723.0	7,093.7	11,876.7	7,298.6	89.6	89.2	-112.49	4,549.2	158.9	535.8	367.7	168.05	3.188	
11,757.6	7,093.5	11,910.2	7,298.5	90.2	89.8	-112.49	4,582.8	159.0	535.8	366.6	169.21	3.167	SF

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Project:	SEC.24-T1N-R65W	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Reference Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Meehl 01N-65W-24-8N	**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 #1 (10-17-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Meehl 01N-65W-24 Pad Sec.24-T01N-R65W - Meehl 01N-65W-24-6N - Wellbore #1 - Plan #1 (10-17-1 — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-90.05	0.0	-30.0	30.0				
100.0	100.0	100.0	100.0	0.1	0.1	-90.05	0.0	-30.0	30.0	29.7	0.22	133.313	
200.0	200.0	200.0	200.0	0.3	0.3	-90.05	0.0	-30.0	30.0	29.3	0.67	44.438	
300.0	300.0	300.0	300.0	0.6	0.6	-90.05	0.0	-30.0	30.0	28.8	1.12	26.663	
400.0	400.0	400.0	400.0	0.8	0.8	-90.05	0.0	-30.0	30.0	28.4	1.57	19.045	
500.0	500.0	500.0	500.0	1.0	1.0	-90.05	0.0	-30.0	30.0	27.9	2.02	14.813	
600.0	600.0	600.0	600.0	1.2	1.2	-90.05	0.0	-30.0	30.0	27.5	2.47	12.119	CC, ES
700.0	700.0	700.0	700.0	1.4	1.5	161.90	0.0	-30.0	31.6	28.7	2.91	10.883	
800.0	799.8	799.8	799.8	1.6	1.7	164.42	0.0	-30.0	36.6	33.3	3.33	11.009	
900.0	899.5	899.5	899.5	1.9	1.9	167.36	0.0	-30.0	45.1	41.3	3.75	12.007	
1,000.0	998.7	998.7	998.7	2.1	2.1	170.00	0.0	-30.0	57.0	52.9	4.19	13.629	
1,100.0	1,097.5	1,097.5	1,097.5	2.4	2.4	172.10	0.0	-30.0	72.5	67.9	4.62	15.703	
1,200.0	1,195.6	1,195.6	1,195.6	2.8	2.6	173.70	0.0	-30.0	91.4	86.4	5.05	18.110	
1,300.0	1,293.3	1,293.3	1,293.3	3.1	2.8	174.88	0.0	-30.0	112.6	107.1	5.50	20.475	
1,400.0	1,391.1	1,391.1	1,391.1	3.6	3.0	175.69	0.0	-30.0	133.7	127.8	5.95	22.465	
1,500.0	1,488.8	1,493.6	1,493.5	4.0	3.2	176.13	-0.9	-28.7	153.5	147.1	6.40	23.993	
1,600.0	1,586.5	1,597.8	1,597.6	4.4	3.4	176.08	-3.8	-24.3	170.0	163.2	6.83	24.879	
1,700.0	1,684.2	1,703.1	1,702.5	4.9	3.6	175.66	-8.8	-16.6	183.0	175.7	7.28	25.135	
1,800.0	1,781.9	1,806.3	1,805.0	5.3	3.9	174.97	-15.7	-6.2	192.9	185.2	7.74	24.920	
1,900.0	1,879.7	1,905.8	1,903.7	5.7	4.1	174.32	-22.6	4.3	202.3	194.0	8.21	24.638	
2,000.0	1,977.4	2,005.4	2,002.4	6.2	4.3	173.72	-29.5	14.8	211.6	203.0	8.69	24.364	
2,100.0	2,075.1	2,104.9	2,101.2	6.7	4.6	173.17	-36.4	25.3	221.0	211.9	9.17	24.100	
2,200.0	2,172.8	2,204.4	2,199.9	7.1	4.9	172.67	-43.3	35.8	230.5	220.8	9.66	23.847	
2,300.0	2,270.5	2,304.0	2,298.7	7.6	5.1	172.21	-50.3	46.3	239.9	229.7	10.16	23.605	
2,400.0	2,368.2	2,403.5	2,397.4	8.0	5.4	171.78	-57.2	56.8	249.3	238.7	10.67	23.374	
2,500.0	2,466.0	2,503.0	2,496.1	8.5	5.7	171.39	-64.1	67.3	258.8	247.6	11.18	23.154	
2,600.0	2,563.7	2,602.6	2,594.9	9.0	6.0	171.02	-71.0	77.9	268.3	256.6	11.69	22.946	
2,700.0	2,661.4	2,702.1	2,693.6	9.4	6.3	170.68	-77.9	88.4	277.8	265.6	12.21	22.748	
2,800.0	2,759.1	2,801.6	2,792.3	9.9	6.6	170.36	-84.9	98.9	287.3	274.5	12.73	22.560	
2,900.0	2,856.8	2,901.2	2,891.1	10.4	6.9	170.06	-91.8	109.4	296.8	283.5	13.26	22.382	
3,000.0	2,954.5	3,000.7	2,989.8	10.8	7.2	169.78	-98.7	119.9	306.3	292.5	13.79	22.213	
3,100.0	3,052.3	3,100.3	3,088.6	11.3	7.5	169.51	-105.6	130.4	315.8	301.5	14.32	22.052	
3,200.0	3,150.0	3,199.8	3,187.3	11.7	7.8	169.26	-112.5	140.9	325.3	310.4	14.85	21.900	
3,300.0	3,247.7	3,299.3	3,286.0	12.2	8.1	169.03	-119.5	151.4	334.8	319.4	15.39	21.755	
3,400.0	3,345.4	3,398.9	3,384.8	12.7	8.4	168.81	-126.4	161.9	344.4	328.4	15.93	21.618	
3,500.0	3,443.1	3,498.4	3,483.5	13.2	8.7	168.60	-133.3	172.4	353.9	337.4	16.47	21.487	
3,600.0	3,540.9	3,597.9	3,582.2	13.6	9.1	168.40	-140.2	182.9	363.4	346.4	17.01	21.362	
3,700.0	3,638.6	3,697.5	3,681.0	14.1	9.4	168.21	-147.1	193.4	373.0	355.4	17.56	21.243	
3,800.0	3,736.4	3,797.0	3,779.7	14.5	9.7	168.04	-154.1	204.0	382.2	364.1	18.11	21.105	
3,900.0	3,834.7	3,896.8	3,878.7	14.8	10.0	167.79	-161.0	214.5	388.5	369.8	18.63	20.856	
4,000.0	3,933.7	3,996.7	3,977.8	15.1	10.3	167.43	-167.9	225.0	391.4	372.2	19.13	20.461	
4,100.0	4,033.1	4,096.7	4,077.0	15.3	10.7	166.94	-174.9	235.6	390.9	371.3	19.61	19.933	
4,200.0	4,132.8	4,196.5	4,176.0	15.5	11.0	166.32	-181.8	246.1	387.0	367.0	20.08	19.278	
4,300.0	4,232.7	4,296.1	4,274.8	15.7	11.3	165.53	-188.8	256.6	379.9	359.3	20.53	18.504	
4,400.0	4,332.7	4,395.4	4,373.3	15.8	11.6	-86.34	-195.7	267.1	369.6	348.5	21.03	17.577	
4,500.0	4,432.7	4,494.6	4,471.7	15.9	11.9	-87.34	-202.6	277.6	358.6	337.1	21.55	16.640	
4,600.0	4,532.7	4,590.8	4,567.1	16.1	12.2	-88.35	-209.2	287.6	347.9	325.9	22.07	15.764	
4,700.0	4,632.7	4,681.1	4,657.0	16.2	12.4	-89.16	-214.1	295.2	339.4	316.9	22.51	15.076	
4,800.0	4,732.7	4,771.9	4,747.5	16.3	12.6	-89.74	-217.6	300.4	333.6	310.7	22.92	14.553	
4,900.0	4,832.7	4,863.0	4,838.6	16.5	12.8	-90.06	-219.5	303.3	330.5	307.2	23.30	14.185	
5,000.0	4,932.7	4,957.1	4,932.7	16.6	13.0	-90.13	-219.8	303.8	329.9	306.2	23.65	13.947	
5,100.0	5,032.7	5,057.1	5,032.7	16.7	13.1	-90.13	-219.8	303.8	329.9	305.9	24.01	13.737	

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Project:	SEC.24-T1N-R65W	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Reference Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Meehl 01N-65W-24-8N	**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 #1 (10-17-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Meehl 01N-65W-24 Pad Sec.24-T01N-R65W - Meehl 01N-65W-24-6N - Wellbore #1 - Plan #1 (10-17-1

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,132.7	5,157.1	5,132.7	16.9	13.3	-90.13	-219.8	303.8	329.9	305.5	24.38	13.533	
5,300.0	5,232.7	5,257.1	5,232.7	17.0	13.5	-90.13	-219.8	303.8	329.9	305.1	24.74	13.332	
5,400.0	5,332.7	5,357.1	5,332.7	17.1	13.6	-90.13	-219.8	303.8	329.9	304.8	25.11	13.136	
5,500.0	5,432.7	5,457.1	5,432.7	17.3	13.8	-90.13	-219.8	303.8	329.9	304.4	25.48	12.945	
5,600.0	5,532.7	5,557.1	5,532.7	17.4	14.0	-90.13	-219.8	303.8	329.9	304.0	25.86	12.758	
5,700.0	5,632.7	5,657.1	5,632.7	17.6	14.2	-90.13	-219.8	303.8	329.9	303.6	26.23	12.575	
5,800.0	5,732.7	5,757.1	5,732.7	17.7	14.3	-90.13	-219.8	303.8	329.9	303.3	26.61	12.396	
5,900.0	5,832.7	5,857.1	5,832.7	17.9	14.5	-90.13	-219.8	303.8	329.9	302.9	26.99	12.221	
6,000.0	5,932.7	5,957.1	5,932.7	18.0	14.7	-90.13	-219.8	303.8	329.9	302.5	27.38	12.050	
6,100.0	6,032.7	6,057.1	6,032.7	18.2	14.9	-90.13	-219.8	303.8	329.9	302.1	27.76	11.883	
6,200.0	6,132.7	6,157.1	6,132.7	18.3	15.1	-90.13	-219.8	303.8	329.9	301.7	28.15	11.719	
6,300.0	6,232.7	6,257.1	6,232.7	18.5	15.2	-90.13	-219.8	303.8	329.9	301.3	28.54	11.560	
6,400.0	6,332.7	6,357.1	6,332.7	18.6	15.4	-90.13	-219.8	303.8	329.9	300.9	28.93	11.404	
6,500.0	6,432.7	6,457.1	6,432.7	18.8	15.6	-90.13	-219.8	303.8	329.9	300.5	29.32	11.251	
6,600.0	6,532.7	6,557.1	6,532.7	19.0	15.8	-90.13	-219.8	303.8	329.9	300.2	29.71	11.102	
6,642.8	6,575.4	6,599.8	6,575.4	19.0	15.9	-90.49	-219.8	303.8	329.9	300.0	29.87	11.044	
6,700.0	6,632.6	6,657.2	6,632.8	19.1	16.0	-90.37	-218.3	303.8	329.9	299.8	30.07	10.969	
6,800.0	6,731.0	6,757.6	6,731.5	19.2	16.1	-90.36	-201.0	303.9	329.9	299.5	30.32	10.878	
6,900.0	6,824.3	6,858.0	6,825.1	19.3	16.2	-90.33	-165.1	304.1	329.9	299.4	30.45	10.832	
7,000.0	6,909.1	6,958.3	6,910.1	19.3	16.2	-90.29	-112.0	304.3	329.9	299.3	30.55	10.799	
7,100.0	6,982.2	7,058.6	6,983.3	19.3	16.2	-90.25	-43.7	304.6	329.9	299.1	30.72	10.737	
7,200.0	7,041.1	7,158.9	7,042.0	19.3	16.2	-90.19	37.4	304.9	329.9	298.8	31.10	10.606	
7,300.0	7,083.4	7,259.0	7,084.1	19.4	16.3	-90.12	128.1	305.3	329.9	298.1	31.79	10.378	
7,400.0	7,107.8	7,359.1	7,108.1	19.5	16.6	-90.06	225.1	305.7	329.9	297.1	32.83	10.049	
7,500.0	7,113.6	7,459.2	7,113.6	19.9	17.3	-90.00	324.8	306.1	329.9	295.7	34.21	9.642	
7,600.0	7,113.1	7,559.2	7,113.1	20.4	18.2	-90.00	424.8	306.5	329.9	293.9	35.95	9.177	
7,700.0	7,112.6	7,659.2	7,112.6	21.2	19.2	-90.00	524.8	307.0	329.9	291.9	37.98	8.687	
7,800.0	7,112.1	7,759.2	7,112.1	22.1	20.4	-90.00	624.8	307.4	329.9	289.6	40.27	8.192	
7,900.0	7,111.7	7,859.2	7,111.7	23.3	21.6	-90.00	724.8	307.8	329.9	287.1	42.78	7.711	
8,000.0	7,111.2	7,959.2	7,111.2	24.5	23.0	-90.00	824.8	308.2	329.9	284.4	45.48	7.254	
8,100.0	7,110.7	8,059.2	7,110.7	25.8	24.4	-90.00	924.8	308.6	329.9	281.6	48.33	6.827	
8,200.0	7,110.3	8,159.2	7,110.3	27.2	25.9	-90.00	1,024.8	309.0	329.9	278.6	51.30	6.431	
8,300.0	7,109.8	8,259.2	7,109.8	28.6	27.4	-90.00	1,124.8	309.5	329.9	275.5	54.39	6.066	
8,400.0	7,109.3	8,359.2	7,109.3	30.2	29.0	-90.00	1,224.8	309.9	329.9	272.4	57.56	5.732	
8,500.0	7,108.9	8,459.2	7,108.8	31.7	30.6	-90.00	1,324.8	310.3	329.9	269.1	60.81	5.426	
8,600.0	7,108.4	8,559.2	7,108.4	33.3	32.3	-90.00	1,424.8	310.7	329.9	265.8	64.12	5.146	
8,700.0	7,107.9	8,659.2	7,107.9	34.9	34.0	-90.00	1,524.8	311.1	330.0	262.5	67.49	4.889	
8,800.0	7,107.4	8,759.2	7,107.4	36.6	35.7	-90.00	1,624.8	311.6	330.0	259.1	70.90	4.654	
8,900.0	7,107.0	8,859.2	7,107.0	38.3	37.4	-90.00	1,724.8	312.0	330.0	255.6	74.36	4.437	
9,000.0	7,106.5	8,959.2	7,106.5	40.0	39.1	-90.00	1,824.8	312.4	330.0	252.1	77.85	4.239	
9,100.0	7,106.0	9,059.2	7,106.0	41.7	40.9	-90.00	1,924.8	312.8	330.0	248.6	81.37	4.055	
9,200.0	7,105.6	9,159.2	7,105.6	43.4	42.7	-90.00	2,024.8	313.2	330.0	245.1	84.91	3.886	
9,300.0	7,105.1	9,259.2	7,105.1	45.2	44.4	-90.00	2,124.8	313.7	330.0	241.5	88.48	3.729	
9,400.0	7,104.6	9,359.2	7,104.6	46.9	46.2	-90.00	2,224.8	314.1	330.0	237.9	92.08	3.584	
9,500.0	7,104.1	9,459.2	7,104.1	48.7	48.0	-90.00	2,324.8	314.5	330.0	234.3	95.68	3.449	
9,600.0	7,103.7	9,559.2	7,103.7	50.5	49.8	-90.00	2,424.8	314.9	330.0	230.7	99.31	3.323	
9,700.0	7,103.2	9,659.2	7,103.2	52.3	51.7	-90.00	2,524.8	315.3	330.0	227.1	102.95	3.205	
9,800.0	7,102.7	9,759.2	7,102.7	54.1	53.5	-90.00	2,624.8	315.7	330.0	223.4	106.60	3.096	
9,900.0	7,102.3	9,859.2	7,102.3	55.9	55.3	-90.00	2,724.8	316.2	330.0	219.7	110.27	2.993	
10,000.0	7,101.8	9,959.2	7,101.8	57.7	57.1	-90.00	2,824.8	316.6	330.0	216.1	113.95	2.896	
10,100.0	7,101.3	10,059.2	7,101.3	59.5	59.0	-90.00	2,924.8	317.0	330.0	212.4	117.63	2.806	
10,200.0	7,100.8	10,159.2	7,100.8	61.3	60.8	-90.00	3,024.8	317.4	330.0	208.7	121.33	2.720	

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Project:	SEC.24-T1N-R65W	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Reference Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Meehl 01N-65W-24-8N	**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 #1 (10-17-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Meehl 01N-65W-24 Pad Sec.24-T01N-R65W - Meehl 01N-65W-24-6N - Wellbore #1 - Plan #1 (10-17-1

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,300.0	7,100.4	10,259.2	7,100.4	63.2	62.7	-90.00	3,124.8	317.8	330.0	205.0	125.03	2.640	
10,400.0	7,099.9	10,359.2	7,099.9	65.0	64.5	-90.00	3,224.8	318.3	330.0	201.3	128.74	2.564	
10,500.0	7,099.4	10,459.2	7,099.4	66.8	66.4	-90.00	3,324.8	318.7	330.0	197.6	132.45	2.492	
10,600.0	7,099.0	10,559.2	7,099.0	68.7	68.2	-90.00	3,424.8	319.1	330.1	193.9	136.18	2.424	
10,700.0	7,098.5	10,659.2	7,098.5	70.5	70.1	-90.00	3,524.8	319.5	330.1	190.2	139.91	2.359	
10,800.0	7,098.0	10,759.2	7,098.0	72.4	72.0	-90.00	3,624.8	319.9	330.1	186.4	143.64	2.298	
10,900.0	7,097.5	10,859.2	7,097.5	74.2	73.8	-90.00	3,724.8	320.4	330.1	182.7	147.38	2.240	
11,000.0	7,097.1	10,959.2	7,097.1	76.1	75.7	-90.00	3,824.8	320.8	330.1	179.0	151.12	2.184	
11,100.0	7,096.6	11,059.2	7,096.6	78.0	77.6	-90.00	3,924.8	321.2	330.1	175.2	154.87	2.131	
11,200.0	7,096.1	11,159.2	7,096.1	79.8	79.4	-90.00	4,024.8	321.6	330.1	171.5	158.62	2.081	
11,300.0	7,095.7	11,259.2	7,095.7	81.7	81.3	-90.00	4,124.8	322.0	330.1	167.7	162.37	2.033	
11,400.0	7,095.2	11,359.2	7,095.2	83.6	83.2	-90.00	4,224.8	322.4	330.1	164.0	166.13	1.987	
11,500.0	7,094.7	11,459.2	7,094.7	85.4	85.1	-90.00	4,324.8	322.9	330.1	160.2	169.89	1.943	
11,600.0	7,094.2	11,559.2	7,094.2	87.3	87.0	-90.00	4,424.8	323.3	330.1	156.4	173.66	1.901	
11,700.0	7,093.8	11,659.2	7,093.8	89.2	88.8	-90.00	4,524.8	323.7	330.1	152.7	177.42	1.861	
11,757.6	7,093.5	11,716.8	7,093.5	90.2	89.9	-90.00	4,582.4	323.9	330.1	150.5	179.59	1.838	SF

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Project:	SEC.24-T1N-R65W	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Reference Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Meehl 01N-65W-24-8N	**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 #1 (10-17-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Meehl 01N-65W-24 Pad Sec.24-T01N-R65W - Meehl 01N-65W-24-7N - Wellbore #1 - Plan #1 (10-17-1 — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-89.97	0.0	-14.8	14.8	14.8	0.00	N/A	
100.0	100.0	100.0	100.0	0.1	0.1	-89.97	0.0	-14.8	14.8	14.6	0.22	66.034	
200.0	200.0	200.0	200.0	0.3	0.3	-89.97	0.0	-14.8	14.8	14.2	0.67	22.011	
300.0	300.0	300.0	300.0	0.6	0.6	-89.97	0.0	-14.8	14.8	13.7	1.12	13.207	
400.0	400.0	400.0	400.0	0.8	0.8	-89.97	0.0	-14.8	14.8	13.3	1.57	9.433	
500.0	500.0	500.0	500.0	1.0	1.0	-89.97	0.0	-14.8	14.8	12.8	2.02	7.337	
600.0	600.0	600.0	600.0	1.2	1.2	-89.97	0.0	-14.8	14.8	12.4	2.47	6.003	CC
700.0	700.0	700.0	700.0	1.4	1.5	162.93	0.0	-14.8	16.5	13.6	2.91	5.680	
800.0	799.8	799.8	799.8	1.6	1.7	166.99	0.0	-14.8	21.6	18.2	3.33	6.480	
900.0	899.5	899.5	899.5	1.9	1.9	170.70	0.0	-14.8	30.1	26.4	3.75	8.021	
1,000.0	998.7	998.7	998.7	2.1	2.1	173.35	0.0	-14.8	42.2	38.0	4.18	10.083	
1,100.0	1,097.5	1,097.5	1,097.5	2.4	2.4	175.12	0.0	-14.8	57.8	53.1	4.61	12.515	
1,200.0	1,195.6	1,195.6	1,195.6	2.8	2.6	176.30	0.0	-14.8	76.8	71.7	5.05	15.216	
1,300.0	1,293.3	1,296.6	1,296.6	3.1	2.8	176.98	-0.7	-13.4	96.4	90.9	5.48	17.603	
1,400.0	1,391.1	1,399.0	1,398.8	3.6	3.0	177.18	-2.8	-8.6	112.6	106.7	5.90	19.088	
1,500.0	1,488.8	1,502.4	1,501.8	4.0	3.2	177.09	-6.6	-0.3	125.3	119.0	6.34	19.765	
1,600.0	1,586.5	1,606.7	1,605.3	4.4	3.4	176.78	-11.9	11.4	134.4	127.6	6.80	19.780	
1,700.0	1,684.2	1,711.0	1,708.3	4.9	3.7	176.28	-18.8	26.5	140.0	132.7	7.27	19.260	
1,800.0	1,781.9	1,811.0	1,806.7	5.3	4.0	175.74	-26.0	42.4	144.0	136.3	7.74	18.599	
1,900.0	1,879.7	1,910.9	1,905.1	5.7	4.3	175.23	-33.2	58.3	148.0	139.8	8.23	17.993	
2,000.0	1,977.4	2,010.8	2,003.5	6.2	4.6	174.74	-40.4	74.2	152.1	143.4	8.72	17.442	
2,100.0	2,075.1	2,110.7	2,101.8	6.7	5.0	174.28	-47.6	90.1	156.2	147.0	9.22	16.937	
2,200.0	2,172.8	2,210.6	2,200.2	7.1	5.3	173.85	-54.8	105.9	160.3	150.5	9.73	16.473	
2,300.0	2,270.5	2,310.5	2,298.6	7.6	5.7	173.43	-62.0	121.8	164.4	154.1	10.24	16.047	
2,400.0	2,368.2	2,410.4	2,397.0	8.0	6.0	173.04	-69.2	137.7	168.5	157.7	10.76	15.655	
2,500.0	2,466.0	2,510.3	2,495.4	8.5	6.4	172.66	-76.4	153.6	172.6	161.3	11.28	15.293	
2,600.0	2,563.7	2,610.2	2,593.7	9.0	6.8	172.30	-83.6	169.5	176.7	164.9	11.81	14.958	
2,700.0	2,661.4	2,710.1	2,692.1	9.4	7.1	171.96	-90.8	185.3	180.8	168.5	12.34	14.647	
2,800.0	2,759.1	2,810.1	2,790.5	9.9	7.5	171.63	-98.0	201.2	184.9	172.1	12.88	14.359	
2,900.0	2,856.8	2,910.0	2,888.9	10.4	7.9	171.32	-105.2	217.1	189.1	175.6	13.42	14.090	
3,000.0	2,954.5	3,009.9	2,987.2	10.8	8.3	171.02	-112.4	233.0	193.2	179.2	13.96	13.839	
3,100.0	3,052.3	3,109.8	3,085.6	11.3	8.7	170.74	-119.6	248.8	197.3	182.8	14.51	13.604	
3,200.0	3,150.0	3,209.7	3,184.0	11.7	9.1	170.46	-126.8	264.7	201.5	186.4	15.05	13.384	
3,300.0	3,247.7	3,309.6	3,282.4	12.2	9.4	170.20	-134.0	280.6	205.6	190.0	15.61	13.178	
3,400.0	3,345.4	3,409.5	3,380.7	12.7	9.8	169.94	-141.2	296.5	209.8	193.6	16.16	12.984	
3,500.0	3,443.1	3,509.4	3,479.1	13.2	10.2	169.70	-148.4	312.4	214.0	197.3	16.71	12.801	
3,600.0	3,540.9	3,609.3	3,577.5	13.6	10.6	169.47	-155.6	328.2	218.1	200.9	17.27	12.629	
3,700.0	3,638.6	3,709.2	3,675.9	14.1	11.0	169.24	-162.8	344.1	222.3	204.5	17.83	12.466	
3,800.0	3,736.4	3,809.2	3,774.3	14.5	11.4	169.01	-170.0	360.0	226.1	207.7	18.40	12.291	
3,900.0	3,834.7	3,909.1	3,872.7	14.8	11.8	168.64	-177.3	375.9	227.0	208.1	18.93	11.992	
4,000.0	3,933.7	4,009.1	3,971.1	15.1	12.2	168.08	-184.5	391.8	224.5	205.0	19.45	11.541	
4,100.0	4,033.1	4,108.9	4,069.4	15.3	12.6	167.30	-191.7	407.6	218.6	198.6	19.97	10.947	
4,200.0	4,132.8	4,208.3	4,167.3	15.5	13.0	166.23	-198.8	423.4	209.4	188.9	20.49	10.219	
4,300.0	4,232.7	4,303.4	4,261.1	15.7	13.3	164.91	-205.4	438.0	197.5	176.5	20.98	9.415	
4,400.0	4,332.7	4,396.8	4,353.5	15.8	13.6	-87.39	-210.7	449.6	185.5	164.0	21.48	8.634	
4,500.0	4,432.7	4,490.7	4,447.0	15.9	13.8	-88.58	-214.8	458.6	175.8	153.8	21.98	7.998	
4,600.0	4,532.7	4,585.3	4,541.2	16.1	14.0	-89.48	-217.6	464.7	169.2	146.7	22.44	7.540	
4,700.0	4,632.7	4,680.1	4,636.0	16.2	14.1	-90.00	-219.1	468.1	165.6	142.8	22.84	7.251	
4,800.0	4,732.7	4,776.8	4,732.7	16.3	14.3	-90.10	-219.4	468.8	164.9	141.7	23.20	7.111	
4,900.0	4,832.7	4,876.8	4,832.7	16.5	14.4	-90.10	-219.4	468.8	164.9	141.4	23.55	7.004	
5,000.0	4,932.7	4,976.8	4,932.7	16.6	14.6	-90.10	-219.4	468.8	164.9	141.0	23.90	6.900	
5,100.0	5,032.7	5,076.8	5,032.7	16.7	14.7	-90.10	-219.4	468.8	164.9	140.7	24.26	6.798	

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

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Project:	SEC.24-T1N-R65W	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Reference Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Meehl 01N-65W-24-8N	**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 #1 (10-17-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Meehl 01N-65W-24 Pad Sec.24-T01N-R65W - Meehl 01N-65W-24-7N - Wellbore #1 - Plan #1 (10-17-1 — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,132.7	5,176.8	5,132.7	16.9	14.9	-90.10	-219.4	468.8	164.9	140.3	24.63	6.698	
5,300.0	5,232.7	5,276.8	5,232.7	17.0	15.0	-90.10	-219.4	468.8	164.9	140.0	24.99	6.600	
5,400.0	5,332.7	5,376.8	5,332.7	17.1	15.2	-90.10	-219.4	468.8	164.9	139.6	25.36	6.505	
5,500.0	5,432.7	5,476.8	5,432.7	17.3	15.4	-90.10	-219.4	468.8	164.9	139.2	25.73	6.411	
5,600.0	5,532.7	5,576.8	5,532.7	17.4	15.5	-90.10	-219.4	468.8	164.9	138.8	26.10	6.319	
5,700.0	5,632.7	5,676.8	5,632.7	17.6	15.7	-90.10	-219.4	468.8	164.9	138.5	26.48	6.230	
5,800.0	5,732.7	5,776.8	5,732.7	17.7	15.8	-90.10	-219.4	468.8	164.9	138.1	26.85	6.142	
5,900.0	5,832.7	5,876.8	5,832.7	17.9	16.0	-90.10	-219.4	468.8	164.9	137.7	27.23	6.057	
6,000.0	5,932.7	5,976.8	5,932.7	18.0	16.2	-90.10	-219.4	468.8	164.9	137.3	27.61	5.973	
6,100.0	6,032.7	6,076.8	6,032.7	18.2	16.4	-90.10	-219.4	468.8	164.9	136.9	28.00	5.891	
6,200.0	6,132.7	6,176.8	6,132.7	18.3	16.5	-90.10	-219.4	468.8	164.9	136.6	28.38	5.811	
6,300.0	6,232.7	6,276.8	6,232.7	18.5	16.7	-90.10	-219.4	468.8	164.9	136.2	28.77	5.733	
6,400.0	6,332.7	6,376.8	6,332.7	18.6	16.9	-90.10	-219.4	468.8	164.9	135.8	29.16	5.656	
6,500.0	6,432.7	6,476.8	6,432.7	18.8	17.0	-90.10	-219.4	468.8	164.9	135.4	29.55	5.582	
6,600.0	6,532.7	6,576.8	6,532.7	19.0	17.2	-90.10	-219.4	468.8	164.9	135.0	29.94	5.508	
6,643.9	6,576.6	6,620.7	6,576.6	19.0	17.3	-90.60	-219.4	468.8	164.9	134.8	30.12	5.477	
6,700.0	6,632.6	6,676.9	6,632.7	19.1	17.4	-90.34	-217.9	468.8	164.9	134.6	30.30	5.444	
6,800.0	6,731.0	6,777.0	6,731.2	19.2	17.5	-90.33	-200.7	468.8	164.9	134.4	30.55	5.399	
6,900.0	6,824.3	6,877.2	6,824.7	19.3	17.6	-90.31	-164.9	469.0	164.9	134.3	30.67	5.377	
7,000.0	6,909.1	6,977.4	6,909.5	19.3	17.6	-90.27	-112.0	469.2	164.9	134.2	30.76	5.362	
7,100.0	6,982.2	7,077.5	6,982.7	19.3	17.6	-90.23	-43.9	469.5	165.0	134.0	30.93	5.332	
7,200.0	7,041.1	7,177.6	7,041.5	19.3	17.6	-90.18	37.0	469.8	165.0	133.7	31.30	5.269	
7,300.0	7,083.4	7,277.7	7,083.8	19.4	17.7	-90.12	127.5	470.2	165.0	133.0	31.98	5.159	
7,400.0	7,107.8	7,377.8	7,107.9	19.5	17.9	-90.05	224.4	470.6	165.0	132.0	33.00	4.999	
7,500.0	7,113.6	7,477.8	7,113.6	19.9	18.3	-90.00	324.2	471.0	165.0	130.6	34.37	4.800	
7,600.0	7,113.1	7,577.8	7,113.1	20.4	19.0	-90.00	424.2	471.5	165.0	128.9	36.08	4.572	
7,700.0	7,112.6	7,677.8	7,112.6	21.2	20.0	-90.00	524.1	471.9	165.0	126.9	38.10	4.330	
7,800.0	7,112.1	7,777.8	7,112.1	22.1	21.1	-90.00	624.1	472.3	165.0	124.6	40.38	4.086	
7,900.0	7,111.7	7,877.8	7,111.7	23.3	22.3	-90.00	724.1	472.7	165.0	122.1	42.87	3.848	
8,000.0	7,111.2	7,977.8	7,111.2	24.5	23.6	-90.00	824.1	473.1	165.0	119.4	45.56	3.622	
8,100.0	7,110.7	8,077.8	7,110.7	25.8	25.0	-90.00	924.1	473.5	165.0	116.6	48.40	3.409	
8,200.0	7,110.3	8,177.8	7,110.3	27.2	26.4	-90.00	1,024.1	474.0	165.0	113.6	51.36	3.212	
8,300.0	7,109.8	8,277.8	7,109.8	28.6	27.9	-90.00	1,124.1	474.4	165.0	110.6	54.44	3.031	
8,400.0	7,109.3	8,377.8	7,109.3	30.2	29.5	-90.00	1,224.1	474.8	165.0	107.4	57.60	2.865	
8,500.0	7,108.9	8,477.8	7,108.9	31.7	31.1	-90.00	1,324.1	475.2	165.0	104.2	60.85	2.712	
8,600.0	7,108.4	8,577.8	7,108.4	33.3	32.7	-90.00	1,424.1	475.6	165.0	100.9	64.15	2.572	
8,700.0	7,107.9	8,677.8	7,107.9	34.9	34.3	-90.00	1,524.1	476.1	165.0	97.5	67.51	2.444	
8,800.0	7,107.4	8,777.8	7,107.4	36.6	36.0	-90.00	1,624.1	476.5	165.0	94.1	70.92	2.327	
8,900.0	7,107.0	8,877.8	7,107.0	38.3	37.7	-90.00	1,724.1	476.9	165.0	90.7	74.37	2.219	
9,000.0	7,106.5	8,977.8	7,106.5	40.0	39.4	-90.00	1,824.1	477.3	165.0	87.2	77.86	2.120	
9,100.0	7,106.0	9,077.8	7,106.0	41.7	41.2	-90.00	1,924.1	477.7	165.1	83.7	81.37	2.028	
9,200.0	7,105.6	9,177.8	7,105.6	43.4	42.9	-90.00	2,024.1	478.1	165.1	80.1	84.91	1.944	
9,300.0	7,105.1	9,277.8	7,105.1	45.2	44.7	-90.00	2,124.1	478.6	165.1	76.6	88.48	1.866	
9,400.0	7,104.6	9,377.8	7,104.6	46.9	46.5	-90.00	2,224.1	479.0	165.1	73.0	92.07	1.793	
9,500.0	7,104.1	9,477.8	7,104.1	48.7	48.3	-90.00	2,324.1	479.4	165.1	69.4	95.68	1.725	
9,600.0	7,103.7	9,577.8	7,103.7	50.5	50.1	-90.00	2,424.1	479.8	165.1	65.8	99.30	1.662	
9,700.0	7,103.2	9,677.8	7,103.2	52.3	51.9	-90.00	2,524.1	480.2	165.1	62.2	102.94	1.604	
9,800.0	7,102.7	9,777.8	7,102.7	54.1	53.7	-90.00	2,624.1	480.7	165.1	58.5	106.59	1.549	
9,900.0	7,102.3	9,877.8	7,102.3	55.9	55.5	-90.00	2,724.1	481.1	165.1	54.8	110.25	1.497	Level 3
10,000.0	7,101.8	9,977.8	7,101.8	57.7	57.3	-90.00	2,824.1	481.5	165.1	51.2	113.92	1.449	Level 3
10,100.0	7,101.3	10,077.8	7,101.3	59.5	59.2	-90.00	2,924.1	481.9	165.1	47.5	117.61	1.404	Level 3
10,200.0	7,100.8	10,177.8	7,100.8	61.3	61.0	-90.00	3,024.1	482.3	165.1	43.8	121.30	1.361	Level 3

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Project:	SEC.24-T1N-R65W	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Reference Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Meehl 01N-65W-24-8N	**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 #1 (10-17-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Meehl 01N-65W-24 Pad Sec.24-T01N-R65W - Meehl 01N-65W-24-7N - Wellbore #1 - Plan #1 (10-17-1

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,300.0	7,100.4	10,277.8	7,100.4	63.2	62.8	-90.00	3,124.1	482.8	165.1	40.1	125.00	1.321	Level 3
10,400.0	7,099.9	10,377.8	7,099.9	65.0	64.7	-90.00	3,224.1	483.2	165.1	36.4	128.71	1.283	Level 3
10,500.0	7,099.4	10,477.8	7,099.4	66.8	66.5	-90.00	3,324.1	483.6	165.1	32.7	132.42	1.247	Level 2
10,600.0	7,099.0	10,577.8	7,099.0	68.7	68.4	-90.00	3,424.1	484.0	165.1	29.0	136.15	1.213	Level 2
10,700.0	7,098.5	10,677.8	7,098.5	70.5	70.2	-90.00	3,524.1	484.4	165.1	25.3	139.87	1.181	Level 2
10,800.0	7,098.0	10,777.8	7,098.0	72.4	72.1	-90.00	3,624.1	484.8	165.1	21.5	143.60	1.150	Level 2
10,900.0	7,097.5	10,877.8	7,097.5	74.2	74.0	-90.00	3,724.1	485.3	165.2	17.8	147.34	1.121	Level 2
11,000.0	7,097.1	10,977.8	7,097.1	76.1	75.8	-90.00	3,824.1	485.7	165.2	14.1	151.08	1.093	Level 2
11,100.0	7,096.6	11,077.8	7,096.6	78.0	77.7	-90.00	3,924.1	486.1	165.2	10.3	154.83	1.067	Level 2
11,200.0	7,096.1	11,177.8	7,096.1	79.8	79.6	-90.00	4,024.1	486.5	165.2	6.6	158.58	1.042	Level 2
11,300.0	7,095.7	11,277.8	7,095.7	81.7	81.4	-90.00	4,124.1	486.9	165.2	2.8	162.33	1.017	Level 2
11,400.0	7,095.2	11,377.8	7,095.2	83.6	83.3	-90.00	4,224.1	487.4	165.2	-0.9	166.09	0.995	Level 1
11,500.0	7,094.7	11,477.8	7,094.7	85.4	85.2	-90.00	4,324.1	487.8	165.2	-4.7	169.85	0.973	Level 1
11,600.0	7,094.2	11,577.8	7,094.2	87.3	87.1	-90.00	4,424.1	488.2	165.2	-8.4	173.61	0.951	Level 1
11,700.0	7,093.8	11,677.8	7,093.8	89.2	88.9	-90.00	4,524.1	488.6	165.2	-12.2	177.38	0.931	Level 1
11,757.6	7,093.5	11,735.4	7,093.5	90.2	90.0	-90.00	4,581.7	488.9	165.2	-14.4	179.55	0.920	Level 1, ES, SF

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Project:	SEC.24-T1N-R65W	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Reference Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Meehl 01N-65W-24-8N	**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 #1 (10-17-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Meehl 01N-65W-24 Pad Sec.24-T01N-R65W - Meehl 01N-65W-24-9C - Wellbore #1 - Plan #1 (10-17-1 — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	90.05	0.0	15.1	15.1	15.1	0.00	N/A	
100.0	100.0	100.0	100.0	0.1	0.1	90.05	0.0	15.1	15.1	14.9	0.22	67.280	
200.0	200.0	200.0	200.0	0.3	0.3	90.05	0.0	15.1	15.1	14.4	0.67	22.427	CC, ES
300.0	300.0	299.5	299.4	0.6	0.5	91.63	-0.5	16.8	16.8	15.7	1.11	15.140	
400.0	400.0	398.7	398.5	0.8	0.8	94.90	-1.9	21.8	21.9	20.3	1.55	14.105	
500.0	500.0	497.4	496.9	1.0	1.0	97.91	-4.2	30.0	30.4	28.4	2.02	15.079	
600.0	600.0	595.4	594.2	1.2	1.3	100.07	-7.3	41.4	42.4	39.9	2.51	16.866	
700.0	700.0	692.8	690.4	1.4	1.6	-7.73	-11.4	55.8	56.1	53.2	2.90	19.342	
800.0	799.8	789.8	785.6	1.6	2.0	-7.13	-16.3	73.4	69.7	66.4	3.33	20.934	
900.0	899.5	886.3	879.7	1.9	2.4	-6.87	-22.0	93.9	83.2	79.5	3.78	22.046	
1,000.0	998.7	983.6	973.9	2.1	2.9	-6.80	-28.6	117.5	96.4	92.2	4.24	22.745	
1,100.0	1,097.5	1,083.0	1,070.0	2.4	3.4	-6.95	-35.5	142.2	106.8	102.1	4.72	22.658	
1,200.0	1,195.6	1,182.8	1,166.3	2.8	4.0	-7.30	-42.4	166.9	113.8	108.6	5.21	21.854	
1,300.0	1,293.3	1,282.6	1,262.9	3.1	4.5	-7.75	-49.4	191.7	118.6	112.9	5.73	20.710	
1,400.0	1,391.1	1,382.5	1,359.4	3.6	5.0	-8.18	-56.3	216.5	123.4	117.2	6.27	19.700	
1,500.0	1,488.8	1,482.4	1,455.9	4.0	5.6	-8.57	-63.2	241.3	128.2	121.4	6.81	18.829	
1,600.0	1,586.5	1,582.3	1,552.4	4.4	6.1	-8.94	-70.2	266.1	133.0	125.7	7.36	18.071	
1,700.0	1,684.2	1,682.2	1,648.9	4.9	6.7	-9.28	-77.1	290.9	137.8	129.9	7.92	17.407	
1,800.0	1,781.9	1,782.0	1,745.4	5.3	7.2	-9.59	-84.0	315.7	142.7	134.2	8.48	16.821	
1,900.0	1,879.7	1,881.9	1,841.9	5.7	7.8	-9.89	-91.0	340.5	147.5	138.4	9.05	16.300	
2,000.0	1,977.4	1,981.8	1,938.4	6.2	8.3	-10.17	-97.9	365.3	152.3	142.7	9.62	15.835	
2,100.0	2,075.1	2,081.7	2,034.9	6.7	8.9	-10.43	-104.8	390.1	157.1	146.9	10.19	15.417	
2,200.0	2,172.8	2,181.6	2,131.4	7.1	9.4	-10.67	-111.8	414.9	162.0	151.2	10.77	15.040	
2,300.0	2,270.5	2,281.4	2,227.9	7.6	10.0	-10.90	-118.7	439.7	166.8	155.4	11.35	14.698	
2,400.0	2,368.2	2,381.3	2,324.4	8.0	10.5	-11.12	-125.6	464.5	171.6	159.7	11.93	14.386	
2,500.0	2,466.0	2,481.2	2,420.9	8.5	11.1	-11.33	-132.6	489.3	176.5	164.0	12.51	14.101	
2,600.0	2,563.7	2,581.1	2,517.4	9.0	11.6	-11.52	-139.5	514.1	181.3	168.2	13.10	13.840	
2,700.0	2,661.4	2,681.0	2,613.9	9.4	12.2	-11.70	-146.4	538.9	186.2	172.5	13.69	13.599	
2,800.0	2,759.1	2,780.8	2,710.4	9.9	12.8	-11.88	-153.4	563.7	191.0	176.7	14.28	13.376	
2,900.0	2,856.8	2,880.7	2,806.9	10.4	13.3	-12.05	-160.3	588.5	195.8	181.0	14.87	13.171	
3,000.0	2,954.5	2,980.6	2,903.4	10.8	13.9	-12.20	-167.2	613.3	200.7	185.2	15.46	12.979	
3,100.0	3,052.3	3,080.5	2,999.9	11.3	14.4	-12.36	-174.2	638.1	205.5	189.5	16.06	12.801	
3,200.0	3,150.0	3,180.4	3,096.4	11.7	15.0	-12.50	-181.1	663.0	210.4	193.7	16.65	12.635	
3,300.0	3,247.7	3,280.3	3,192.9	12.2	15.5	-12.64	-188.0	687.8	215.2	198.0	17.25	12.479	
3,400.0	3,345.4	3,382.5	3,291.8	12.7	16.1	-12.78	-195.1	713.0	219.9	202.1	17.84	12.326	
3,500.0	3,443.1	3,490.7	3,397.1	13.2	16.5	-13.05	-201.7	736.8	221.9	203.4	18.42	12.046	
3,600.0	3,540.9	3,598.9	3,503.3	13.6	16.9	-13.51	-207.3	756.8	220.0	201.1	19.00	11.584	
3,700.0	3,638.6	3,706.8	3,609.9	14.1	17.2	-14.17	-211.8	772.9	214.6	195.0	19.59	10.954	
3,800.0	3,736.4	3,814.1	3,716.4	14.5	17.4	-15.03	-215.2	785.1	205.8	185.6	20.18	10.198	
3,900.0	3,834.7	3,920.9	3,822.9	14.8	17.6	-15.94	-217.5	793.3	196.2	175.6	20.70	9.482	
4,000.0	3,933.7	4,027.3	3,929.2	15.1	17.8	-16.89	-218.8	797.8	186.5	165.3	21.18	8.805	
4,100.0	4,033.1	4,131.2	4,033.1	15.3	17.9	-17.85	-219.0	798.6	176.7	155.1	21.64	8.169	
4,200.0	4,132.8	4,230.9	4,132.8	15.5	18.0	-18.59	-219.0	798.6	169.5	147.5	22.02	7.701	
4,300.0	4,232.7	4,330.8	4,232.7	15.7	18.1	-19.02	-219.0	798.6	165.7	143.3	22.32	7.422	
4,400.0	4,332.7	4,430.8	4,332.7	15.8	18.2	89.97	-219.0	798.6	164.9	142.3	22.63	7.288	
4,500.0	4,432.7	4,530.8	4,432.7	15.9	18.3	89.97	-219.0	798.6	164.9	142.0	22.96	7.184	
4,600.0	4,532.7	4,630.8	4,532.7	16.1	18.4	89.97	-219.0	798.6	164.9	141.6	23.28	7.083	
4,700.0	4,632.7	4,730.8	4,632.7	16.2	18.5	89.97	-219.0	798.6	164.9	141.3	23.62	6.983	
4,800.0	4,732.7	4,830.8	4,732.7	16.3	18.6	89.97	-219.0	798.6	164.9	141.0	23.96	6.884	
4,900.0	4,832.7	4,930.8	4,832.7	16.5	18.8	89.97	-219.0	798.6	164.9	140.6	24.30	6.788	
5,000.0	4,932.7	5,030.8	4,932.7	16.6	18.9	89.97	-219.0	798.6	164.9	140.3	24.64	6.693	
5,100.0	5,032.7	5,130.8	5,032.7	16.7	19.0	89.97	-219.0	798.6	164.9	139.9	24.99	6.600	

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Project:	SEC.24-T1N-R65W	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Reference Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Meehl 01N-65W-24-8N	**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 #1 (10-17-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Meehl 01N-65W-24 Pad Sec.24-T01N-R65W - Meehl 01N-65W-24-9C - Wellbore #1 - Plan #1 (10-17-1

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,132.7	5,230.8	5,132.7	16.9	19.1	89.97	-219.0	798.6	164.9	139.6	25.34	6.508	
5,300.0	5,232.7	5,330.8	5,232.7	17.0	19.2	89.97	-219.0	798.6	164.9	139.2	25.69	6.419	
5,400.0	5,332.7	5,430.8	5,332.7	17.1	19.4	89.97	-219.0	798.6	164.9	138.9	26.05	6.331	
5,500.0	5,432.7	5,530.8	5,432.7	17.3	19.5	89.97	-219.0	798.6	164.9	138.5	26.41	6.245	
5,600.0	5,532.7	5,630.8	5,532.7	17.4	19.6	89.97	-219.0	798.6	164.9	138.1	26.77	6.160	
5,700.0	5,632.7	5,730.8	5,632.7	17.6	19.8	89.97	-219.0	798.6	164.9	137.8	27.14	6.077	
5,800.0	5,732.7	5,830.8	5,732.7	17.7	19.9	89.97	-219.0	798.6	164.9	137.4	27.51	5.996	
5,900.0	5,832.7	5,930.8	5,832.7	17.9	20.0	89.97	-219.0	798.6	164.9	137.0	27.88	5.916	
6,000.0	5,932.7	6,030.8	5,932.7	18.0	20.2	89.97	-219.0	798.6	164.9	136.7	28.25	5.838	
6,100.0	6,032.7	6,130.8	6,032.7	18.2	20.3	89.97	-219.0	798.6	164.9	136.3	28.62	5.762	
6,200.0	6,132.7	6,230.8	6,132.7	18.3	20.4	89.97	-219.0	798.6	164.9	135.9	29.00	5.687	
6,300.0	6,232.7	6,330.8	6,232.7	18.5	20.6	89.97	-219.0	798.6	164.9	135.5	29.38	5.614	
6,400.0	6,332.7	6,430.8	6,332.7	18.6	20.7	89.97	-219.0	798.6	164.9	135.2	29.76	5.542	
6,500.0	6,432.7	6,530.8	6,432.7	18.8	20.9	89.97	-219.0	798.6	164.9	134.8	30.14	5.472	
6,600.0	6,532.7	6,630.8	6,532.7	19.0	21.0	89.97	-219.0	798.6	164.9	134.4	30.53	5.403	
6,661.5	6,594.2	6,692.3	6,594.2	19.1	21.1	90.23	-219.0	798.6	164.9	134.3	30.67	5.377	
6,700.0	6,632.6	6,730.8	6,632.6	19.1	21.2	90.26	-219.0	798.6	164.9	134.1	30.81	5.352	
6,800.0	6,731.0	6,829.1	6,731.0	19.2	21.3	95.97	-219.0	798.6	165.9	135.4	30.50	5.439	
6,900.0	6,824.3	6,922.4	6,824.3	19.3	21.4	106.20	-219.0	798.6	173.4	143.4	29.93	5.792	
7,000.0	6,909.1	7,010.3	6,912.2	19.3	21.6	117.58	-218.8	798.6	196.1	166.9	29.24	6.706	
7,100.0	6,982.2	7,134.9	7,034.3	19.3	21.7	130.27	-196.6	798.7	230.1	202.3	27.77	8.286	
7,200.0	7,041.1	7,298.5	7,174.6	19.3	21.7	139.28	-114.7	799.1	260.2	234.8	25.46	10.220	
7,300.0	7,083.4	7,500.1	7,287.6	19.4	21.7	142.89	49.9	799.8	273.3	250.0	23.37	11.698	
7,400.0	7,107.8	7,677.1	7,313.7	19.5	21.9	140.98	223.8	800.5	263.8	240.9	22.95	11.496	
7,499.2	7,115.1	7,776.0	7,313.4	19.9	22.1	140.25	322.6	800.9	257.9	234.8	23.17	11.133	
7,500.0	7,113.6	7,776.8	7,313.4	19.9	22.1	140.46	323.5	800.9	259.1	236.0	23.10	11.214	
7,600.0	7,113.1	7,876.8	7,313.0	20.4	22.6	140.48	423.5	801.3	259.2	235.0	24.16	10.726	
7,700.0	7,112.6	7,976.8	7,312.7	21.2	23.2	140.50	523.5	801.8	259.3	233.8	25.46	10.183	
7,800.0	7,112.1	8,076.8	7,312.3	22.1	24.0	140.51	623.5	802.2	259.4	232.4	26.96	9.620	
7,900.0	7,111.7	8,176.8	7,312.0	23.3	24.9	140.53	723.5	802.6	259.4	230.8	28.63	9.061	
8,000.0	7,111.2	8,276.8	7,311.6	24.5	26.0	140.55	823.5	803.0	259.5	229.1	30.45	8.523	
8,100.0	7,110.7	8,376.8	7,311.3	25.8	27.2	140.57	923.5	803.5	259.6	227.3	32.39	8.017	
8,200.0	7,110.3	8,476.8	7,310.9	27.2	28.5	140.58	1,023.4	803.9	259.7	225.3	34.42	7.546	
8,300.0	7,109.8	8,576.8	7,310.6	28.6	29.9	140.60	1,123.4	804.3	259.8	223.3	36.53	7.112	
8,400.0	7,109.3	8,676.8	7,310.2	30.2	31.3	140.62	1,223.4	804.7	259.9	221.2	38.72	6.713	
8,500.0	7,108.9	8,776.8	7,309.9	31.7	32.8	140.63	1,323.4	805.2	260.0	219.1	40.96	6.348	
8,600.0	7,108.4	8,876.8	7,309.5	33.3	34.3	140.65	1,423.4	805.6	260.1	216.9	43.24	6.015	
8,700.0	7,107.9	8,976.8	7,309.2	34.9	35.9	140.67	1,523.4	806.0	260.2	214.6	45.57	5.710	
8,800.0	7,107.4	9,076.8	7,308.8	36.6	37.5	140.69	1,623.4	806.4	260.3	212.4	47.93	5.430	
8,900.0	7,107.0	9,176.8	7,308.5	38.3	39.2	140.70	1,723.4	806.9	260.4	210.1	50.33	5.174	
9,000.0	7,106.5	9,276.8	7,308.1	40.0	40.8	140.72	1,823.4	807.3	260.5	207.7	52.74	4.939	
9,100.0	7,106.0	9,376.8	7,307.8	41.7	42.5	140.74	1,923.4	807.7	260.6	205.4	55.18	4.722	
9,200.0	7,105.6	9,476.8	7,307.4	43.4	44.2	140.75	2,023.4	808.1	260.7	203.0	57.64	4.523	
9,300.0	7,105.1	9,576.8	7,307.1	45.2	45.9	140.77	2,123.4	808.6	260.8	200.7	60.11	4.338	
9,400.0	7,104.6	9,676.8	7,306.7	46.9	47.6	140.79	2,223.4	809.0	260.9	198.3	62.59	4.168	
9,500.0	7,104.1	9,776.8	7,306.4	48.7	49.4	140.80	2,323.4	809.4	261.0	195.9	65.09	4.009	
9,600.0	7,103.7	9,876.8	7,306.0	50.5	51.1	140.82	2,423.4	809.8	261.1	193.5	67.60	3.862	
9,700.0	7,103.2	9,976.8	7,305.7	52.3	52.9	140.84	2,523.4	810.2	261.1	191.0	70.12	3.724	
9,800.0	7,102.7	10,076.8	7,305.3	54.1	54.7	140.85	2,623.4	810.7	261.2	188.6	72.65	3.596	
9,900.0	7,102.3	10,176.8	7,305.0	55.9	56.5	140.87	2,723.4	811.1	261.3	186.2	75.18	3.476	
10,000.0	7,101.8	10,276.8	7,304.6	57.7	58.3	140.89	2,823.4	811.5	261.4	183.7	77.72	3.364	
10,100.0	7,101.3	10,376.8	7,304.3	59.5	60.1	140.91	2,923.4	811.9	261.5	181.3	80.27	3.258	

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Project:	SEC.24-T1N-R65W	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Reference Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Meehl 01N-65W-24-8N	**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 #1 (10-17-14)	**Offset TVD Reference:**	Offset Datum

Offset Design Meehl 01N-65W-24 Pad Sec.24-T01N-R65W - Meehl 01N-65W-24-9C - Wellbore #1 - Plan #1 (10-17-1

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

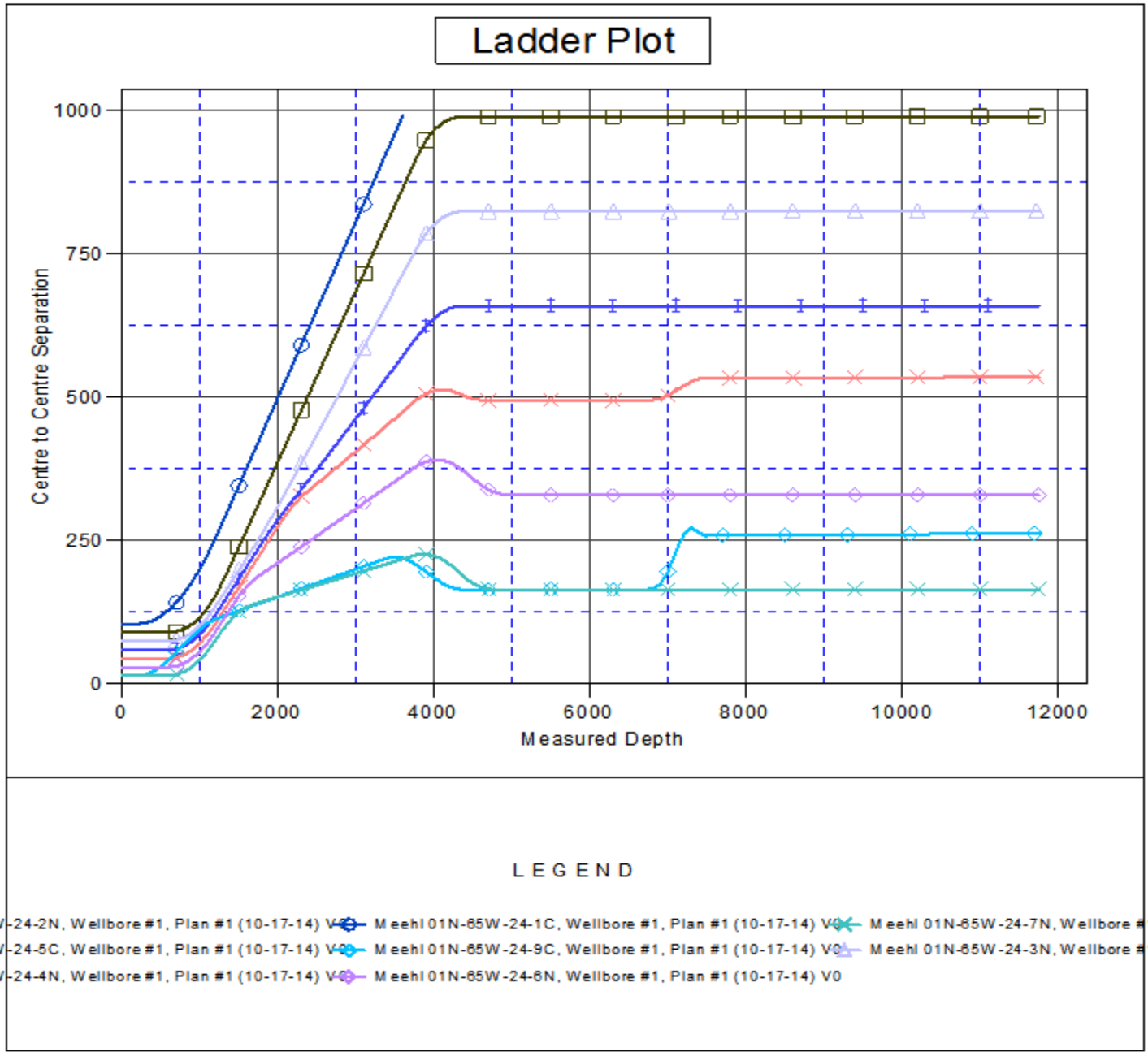
Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,200.0	7,100.8	10,476.8	7,303.9	61.3	61.9	140.92	3,023.4	812.4	261.6	178.8	82.82	3.159	
10,300.0	7,100.4	10,576.8	7,303.6	63.2	63.7	140.94	3,123.4	812.8	261.7	176.3	85.38	3.065	
10,400.0	7,099.9	10,676.8	7,303.2	65.0	65.5	140.96	3,223.4	813.2	261.8	173.9	87.94	2.977	
10,500.0	7,099.4	10,776.8	7,302.9	66.8	67.4	140.97	3,323.4	813.6	261.9	171.4	90.50	2.894	
10,600.0	7,099.0	10,876.8	7,302.5	68.7	69.2	140.99	3,423.4	814.1	262.0	168.9	93.07	2.815	
10,700.0	7,098.5	10,976.8	7,302.2	70.5	71.0	141.01	3,523.4	814.5	262.1	166.5	95.64	2.740	
10,800.0	7,098.0	11,076.8	7,301.8	72.4	72.9	141.02	3,623.4	814.9	262.2	164.0	98.21	2.670	
10,900.0	7,097.5	11,176.8	7,301.5	74.2	74.7	141.04	3,723.4	815.3	262.3	161.5	100.79	2.602	
11,000.0	7,097.1	11,276.8	7,301.1	76.1	76.5	141.06	3,823.4	815.8	262.4	159.0	103.36	2.538	
11,100.0	7,096.6	11,376.8	7,300.8	78.0	78.4	141.07	3,923.4	816.2	262.5	156.5	105.94	2.478	
11,200.0	7,096.1	11,476.8	7,300.4	79.8	80.2	141.09	4,023.4	816.6	262.6	154.0	108.52	2.420	
11,300.0	7,095.7	11,576.8	7,300.1	81.7	82.1	141.11	4,123.4	817.0	262.7	151.6	111.10	2.364	
11,400.0	7,095.2	11,676.8	7,299.7	83.6	84.0	141.12	4,223.4	817.5	262.8	149.1	113.69	2.311	
11,500.0	7,094.7	11,776.8	7,299.4	85.4	85.8	141.14	4,323.4	817.9	262.9	146.6	116.27	2.261	
11,600.0	7,094.2	11,876.8	7,299.0	87.3	87.7	141.16	4,423.4	818.3	263.0	144.1	118.85	2.212	
11,700.0	7,093.8	11,976.8	7,298.7	89.2	89.6	141.17	4,523.4	818.7	263.0	141.6	121.44	2.166	
11,757.6	7,093.5	12,033.7	7,298.5	90.2	90.6	141.18	4,580.3	819.0	263.1	140.2	122.91	2.141	SF

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Project:	SEC.24-T1N-R65W	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Reference Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Meehl 01N-65W-24-8N	**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 #1 (10-17-14)	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL @ 5038.5ft (RKB - 16.5')
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000 °

Coordinates are relative to: Meehl 01N-65W-24-8N
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.58°



Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-8N
Project:	SEC.24-T1N-R65W	**TVD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Reference Site:	Meehl 01N-65W-24 Pad Sec.24-T01N-R65W	**MD Reference:**	WELL @ 5038.5ft (RKB - 16.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Meehl 01N-65W-24-8N	**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 #1 (10-17-14)	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL @ 5038.5ft (RKB - 16.5')
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000 °

Coordinates are relative to: Meehl 01N-65W-24-8N
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.58°