Verdad Oil & Gas Corporation

Well Name: **Meehl 01N-65W-24-2N**

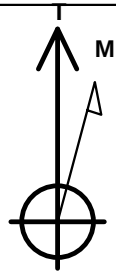
Surface Location: Meehl 01N-65W-24 Pad Sec.24-T01N-R65W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone
Ground Elevation: 5022.0

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.0	0.0	1255136.71	3249679.31	40.030292	-104.608366	

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

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
460' Setback BHL	1.0	4585.3	-715.1	Polygon
460' Setback SHL	1.0	189.6	-715.1	Polygon
Sectionline	1.0	-270.4	-715.1	Polygon
SHL 270'FSL & 1548'FEL	1.0	0.0	0.0	Point
BHL 460'FNL & 1815'FEL	7093.5	4584.6	-246.1	Point



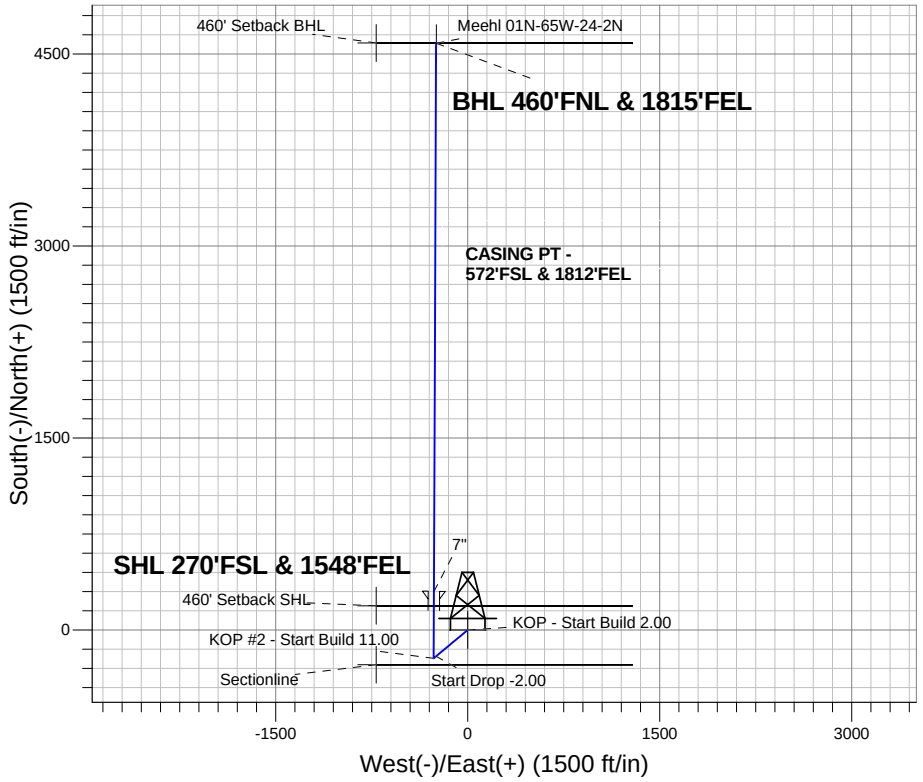
Azimuths to True North
Magnetic North: 8.30°

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-24-2N
Plan #1 (10-17-14)

ANNOTATIONS

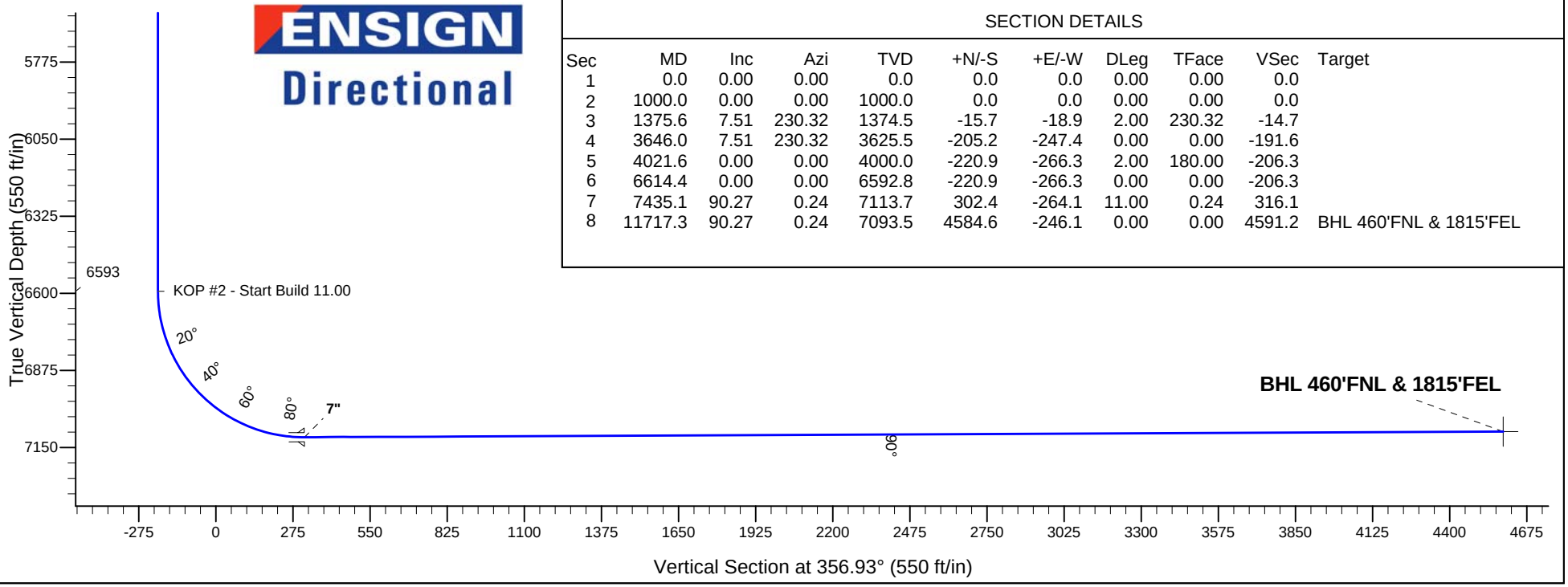
TVD	MD	Annotation
1000.0	1000.0	KOP - Start Build 2.00
3625.5	3646.0	Start Drop -2.00
6592.8	6614.4	KOP #2 - Start Build 11.00
7093.5	11717.3	TD at 11717.3



ENSIGN Directional

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	
3	1375.6	7.51	230.32	1374.5	-15.7	-18.9	2.00	230.32	-14.7	
4	3646.0	7.51	230.32	3625.5	-205.2	-247.4	0.00	0.00	-191.6	
5	4021.6	0.00	0.00	4000.0	-220.9	-266.3	2.00	180.00	-206.3	
6	6614.4	0.00	0.00	6592.8	-220.9	-266.3	0.00	0.00	-206.3	
7	7435.1	90.27	0.24	7113.7	302.4	-264.1	11.00	0.24	316.1	
8	11717.3	90.27	0.24	7093.5	4584.6	-246.1	0.00	0.00	4591.2	BHL 460'FNL & 1815'FEL



Verdad Oil & Gas Corporation

SEC.24-T1N-R65W
Meehl 01N-65W-24 Pad Sec.24-T01N-R65W
Meehl 01N-65W-24-2N

Wellbore #1

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

Standard Planning Report

20 October, 2014

Database:	landmark	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-2N
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-24-2N	**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-24-2N

Well Position	**+N/-S**	0.3 ft	**Northing:**	1,255,136.70 ft	**Latitude:**	40.030292
	+E/-W	15.1 ft	**Easting:**	3,249,679.31 ft	**Longitude:**	-104.608366
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	356.93

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,375.6	7.51	230.32	1,374.5	-15.7	-18.9	2.00	2.00	0.00	230.32	
3,646.0	7.51	230.32	3,625.5	-205.2	-247.4	0.00	0.00	0.00	0.00	
4,021.6	0.00	0.00	4,000.0	-220.9	-266.3	2.00	-2.00	0.00	180.00	
6,614.4	0.00	0.00	6,592.8	-220.9	-266.3	0.00	0.00	0.00	0.00	
7,435.1	90.27	0.24	7,113.7	302.4	-264.1	11.00	11.00	0.00	0.24	
11,717.3	90.27	0.24	7,093.5	4,584.6	-246.1	0.00	0.00	0.00	0.00	BHL 460'FNL & 181

Database:	landmark	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-2N
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-24-2N	**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
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP - Start Build 2.00									
1,100.0	2.00	230.32	1,100.0	-1.1	-1.3	-1.0	2.00	2.00	0.00
1,200.0	4.00	230.32	1,199.8	-4.5	-5.4	-4.2	2.00	2.00	0.00
1,300.0	6.00	230.32	1,299.5	-10.0	-12.1	-9.4	2.00	2.00	0.00
1,375.6	7.51	230.32	1,374.5	-15.7	-18.9	-14.7	2.00	2.00	0.00
1,400.0	7.51	230.32	1,398.7	-17.7	-21.4	-16.6	0.00	0.00	0.00
1,500.0	7.51	230.32	1,497.9	-26.1	-31.4	-24.4	0.00	0.00	0.00
1,600.0	7.51	230.32	1,597.0	-34.4	-41.5	-32.2	0.00	0.00	0.00
1,700.0	7.51	230.32	1,696.1	-42.8	-51.6	-39.9	0.00	0.00	0.00
1,800.0	7.51	230.32	1,795.3	-51.1	-61.6	-47.7	0.00	0.00	0.00
1,900.0	7.51	230.32	1,894.4	-59.5	-71.7	-55.5	0.00	0.00	0.00
2,000.0	7.51	230.32	1,993.6	-67.8	-81.8	-63.3	0.00	0.00	0.00
2,100.0	7.51	230.32	2,092.7	-76.2	-91.8	-71.1	0.00	0.00	0.00
2,200.0	7.51	230.32	2,191.8	-84.5	-101.9	-78.9	0.00	0.00	0.00
2,300.0	7.51	230.32	2,291.0	-92.9	-111.9	-86.7	0.00	0.00	0.00
2,400.0	7.51	230.32	2,390.1	-101.2	-122.0	-94.5	0.00	0.00	0.00
2,500.0	7.51	230.32	2,489.3	-109.5	-132.1	-102.3	0.00	0.00	0.00
2,600.0	7.51	230.32	2,588.4	-117.9	-142.1	-110.1	0.00	0.00	0.00
2,700.0	7.51	230.32	2,687.6	-126.2	-152.2	-117.9	0.00	0.00	0.00
2,800.0	7.51	230.32	2,786.7	-134.6	-162.2	-125.7	0.00	0.00	0.00
2,900.0	7.51	230.32	2,885.8	-142.9	-172.3	-133.5	0.00	0.00	0.00
3,000.0	7.51	230.32	2,985.0	-151.3	-182.4	-141.3	0.00	0.00	0.00
3,100.0	7.51	230.32	3,084.1	-159.6	-192.4	-149.1	0.00	0.00	0.00
3,200.0	7.51	230.32	3,183.3	-168.0	-202.5	-156.9	0.00	0.00	0.00
3,300.0	7.51	230.32	3,282.4	-176.3	-212.6	-164.7	0.00	0.00	0.00
3,400.0	7.51	230.32	3,381.6	-184.7	-222.6	-172.5	0.00	0.00	0.00
3,500.0	7.51	230.32	3,480.7	-193.0	-232.7	-180.3	0.00	0.00	0.00
3,600.0	7.51	230.32	3,579.8	-201.4	-242.7	-188.1	0.00	0.00	0.00
3,646.0	7.51	230.32	3,625.4	-205.2	-247.4	-191.6	0.00	0.00	0.00
Start Drop -2.00									
3,700.0	6.43	230.32	3,679.0	-209.4	-252.4	-195.6	2.00	-2.00	0.00
3,800.0	4.43	230.32	3,778.6	-215.4	-259.7	-201.2	2.00	-2.00	0.00
3,900.0	2.43	230.32	3,878.4	-219.3	-264.3	-204.8	2.00	-2.00	0.00
4,000.0	0.43	230.32	3,978.4	-220.8	-266.2	-206.3	2.00	-2.00	0.00
4,021.6	0.00	0.00	4,000.0	-220.9	-266.3	-206.3	2.00	-2.00	0.00
4,100.0	0.00	0.00	4,078.4	-220.9	-266.3	-206.3	0.00	0.00	0.00
4,200.0	0.00	0.00	4,178.4	-220.9	-266.3	-206.3	0.00	0.00	0.00
4,300.0	0.00	0.00	4,278.4	-220.9	-266.3	-206.3	0.00	0.00	0.00
4,400.0	0.00	0.00	4,378.4	-220.9	-266.3	-206.3	0.00	0.00	0.00
4,500.0	0.00	0.00	4,478.4	-220.9	-266.3	-206.3	0.00	0.00	0.00
4,600.0	0.00	0.00	4,578.4	-220.9	-266.3	-206.3	0.00	0.00	0.00
4,700.0	0.00	0.00	4,678.4	-220.9	-266.3	-206.3	0.00	0.00	0.00
4,800.0	0.00	0.00	4,778.4	-220.9	-266.3	-206.3	0.00	0.00	0.00

Database:	landmark	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-2N
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-24-2N	**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	4,878.4	-220.9	-266.3	-206.3	0.00	0.00	0.00
5,000.0	0.00	0.00	4,978.4	-220.9	-266.3	-206.3	0.00	0.00	0.00
5,100.0	0.00	0.00	5,078.4	-220.9	-266.3	-206.3	0.00	0.00	0.00
5,200.0	0.00	0.00	5,178.4	-220.9	-266.3	-206.3	0.00	0.00	0.00
5,300.0	0.00	0.00	5,278.4	-220.9	-266.3	-206.3	0.00	0.00	0.00
5,400.0	0.00	0.00	5,378.4	-220.9	-266.3	-206.3	0.00	0.00	0.00
5,500.0	0.00	0.00	5,478.4	-220.9	-266.3	-206.3	0.00	0.00	0.00
5,600.0	0.00	0.00	5,578.4	-220.9	-266.3	-206.3	0.00	0.00	0.00
5,700.0	0.00	0.00	5,678.4	-220.9	-266.3	-206.3	0.00	0.00	0.00
5,800.0	0.00	0.00	5,778.4	-220.9	-266.3	-206.3	0.00	0.00	0.00
5,900.0	0.00	0.00	5,878.4	-220.9	-266.3	-206.3	0.00	0.00	0.00
6,000.0	0.00	0.00	5,978.4	-220.9	-266.3	-206.3	0.00	0.00	0.00
6,100.0	0.00	0.00	6,078.4	-220.9	-266.3	-206.3	0.00	0.00	0.00
6,200.0	0.00	0.00	6,178.4	-220.9	-266.3	-206.3	0.00	0.00	0.00
6,300.0	0.00	0.00	6,278.4	-220.9	-266.3	-206.3	0.00	0.00	0.00
6,400.0	0.00	0.00	6,378.4	-220.9	-266.3	-206.3	0.00	0.00	0.00
6,500.0	0.00	0.00	6,478.4	-220.9	-266.3	-206.3	0.00	0.00	0.00
6,600.0	0.00	0.00	6,578.4	-220.9	-266.3	-206.3	0.00	0.00	0.00
6,614.4	0.00	0.00	6,592.8	-220.9	-266.3	-206.3	0.00	0.00	0.00
KOP #2 - Start Build 11.00									
6,700.0	9.41	0.24	6,678.0	-213.9	-266.3	-199.3	10.99	10.99	0.00
6,800.0	20.41	0.24	6,774.5	-188.2	-266.2	-173.7	11.00	11.00	0.00
6,900.0	31.41	0.24	6,864.3	-144.6	-266.0	-130.1	11.00	11.00	0.00
7,000.0	42.41	0.24	6,944.1	-84.6	-265.7	-70.2	11.00	11.00	0.00
7,100.0	53.41	0.24	7,011.0	-10.5	-265.4	3.7	11.00	11.00	0.00
7,200.0	64.41	0.24	7,062.6	75.0	-265.1	89.1	11.00	11.00	0.00
7,300.0	75.41	0.24	7,096.9	168.8	-264.7	182.7	11.00	11.00	0.00
7,400.0	86.41	0.24	7,112.7	267.4	-264.2	281.1	11.00	11.00	0.00
7,435.1	90.27	0.24	7,113.7	302.4	-264.1	316.2	11.00	11.00	0.00
7"									
7,500.0	90.27	0.24	7,113.4	367.3	-263.8	380.9	0.00	0.00	0.00
7,600.0	90.27	0.24	7,112.9	467.3	-263.4	480.8	0.00	0.00	0.00
7,700.0	90.27	0.24	7,112.4	567.3	-263.0	580.6	0.00	0.00	0.00
7,800.0	90.27	0.24	7,112.0	667.3	-262.6	680.4	0.00	0.00	0.00
7,900.0	90.27	0.24	7,111.5	767.3	-262.1	780.3	0.00	0.00	0.00
8,000.0	90.27	0.24	7,111.0	867.3	-261.7	880.1	0.00	0.00	0.00
8,100.0	90.27	0.24	7,110.5	967.3	-261.3	979.9	0.00	0.00	0.00
8,200.0	90.27	0.24	7,110.1	1,067.3	-260.9	1,079.8	0.00	0.00	0.00
8,300.0	90.27	0.24	7,109.6	1,167.3	-260.5	1,179.6	0.00	0.00	0.00
8,400.0	90.27	0.24	7,109.1	1,267.3	-260.0	1,279.4	0.00	0.00	0.00
8,500.0	90.27	0.24	7,108.7	1,367.3	-259.6	1,379.3	0.00	0.00	0.00
8,600.0	90.27	0.24	7,108.2	1,467.3	-259.2	1,479.1	0.00	0.00	0.00
8,700.0	90.27	0.24	7,107.7	1,567.3	-258.8	1,578.9	0.00	0.00	0.00
8,800.0	90.27	0.24	7,107.2	1,667.3	-258.4	1,678.8	0.00	0.00	0.00
8,900.0	90.27	0.24	7,106.8	1,767.3	-257.9	1,778.6	0.00	0.00	0.00
9,000.0	90.27	0.24	7,106.3	1,867.3	-257.5	1,878.4	0.00	0.00	0.00
9,100.0	90.27	0.24	7,105.8	1,967.3	-257.1	1,978.3	0.00	0.00	0.00
9,200.0	90.27	0.24	7,105.4	2,067.3	-256.7	2,078.1	0.00	0.00	0.00
9,300.0	90.27	0.24	7,104.9	2,167.3	-256.3	2,177.9	0.00	0.00	0.00
9,400.0	90.27	0.24	7,104.4	2,267.3	-255.8	2,277.7	0.00	0.00	0.00
9,500.0	90.27	0.24	7,103.9	2,367.3	-255.4	2,377.6	0.00	0.00	0.00
9,600.0	90.27	0.24	7,103.5	2,467.3	-255.0	2,477.4	0.00	0.00	0.00
9,700.0	90.27	0.24	7,103.0	2,567.3	-254.6	2,577.2	0.00	0.00	0.00
9,800.0	90.27	0.24	7,102.5	2,667.3	-254.2	2,677.1	0.00	0.00	0.00

Database:	landmark	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-2N
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-24-2N	**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	7,102.1	2,767.3	-253.7	2,776.9	0.00	0.00	0.00
10,000.0	90.27	0.24	7,101.6	2,867.3	-253.3	2,876.7	0.00	0.00	0.00
10,100.0	90.27	0.24	7,101.1	2,967.3	-252.9	2,976.6	0.00	0.00	0.00
10,200.0	90.27	0.24	7,100.7	3,067.3	-252.5	3,076.4	0.00	0.00	0.00
10,300.0	90.27	0.24	7,100.2	3,167.3	-252.1	3,176.2	0.00	0.00	0.00
10,400.0	90.27	0.24	7,099.7	3,267.3	-251.6	3,276.1	0.00	0.00	0.00
10,500.0	90.27	0.24	7,099.2	3,367.3	-251.2	3,375.9	0.00	0.00	0.00
10,600.0	90.27	0.24	7,098.8	3,467.3	-250.8	3,475.7	0.00	0.00	0.00
10,700.0	90.27	0.24	7,098.3	3,567.3	-250.4	3,575.6	0.00	0.00	0.00
10,800.0	90.27	0.24	7,097.8	3,667.3	-250.0	3,675.4	0.00	0.00	0.00
10,900.0	90.27	0.24	7,097.4	3,767.3	-249.5	3,775.2	0.00	0.00	0.00
11,000.0	90.27	0.24	7,096.9	3,867.3	-249.1	3,875.1	0.00	0.00	0.00
11,100.0	90.27	0.24	7,096.4	3,967.3	-248.7	3,974.9	0.00	0.00	0.00
11,200.0	90.27	0.24	7,095.9	4,067.3	-248.3	4,074.7	0.00	0.00	0.00
11,300.0	90.27	0.24	7,095.5	4,167.3	-247.9	4,174.6	0.00	0.00	0.00
11,400.0	90.27	0.24	7,095.0	4,267.3	-247.4	4,274.4	0.00	0.00	0.00
11,500.0	90.27	0.24	7,094.5	4,367.3	-247.0	4,374.2	0.00	0.00	0.00
11,600.0	90.27	0.24	7,094.1	4,467.3	-246.6	4,474.0	0.00	0.00	0.00
11,700.0	90.27	0.24	7,093.6	4,567.2	-246.2	4,573.9	0.00	0.00	0.00
11,717.3	90.27	0.24	7,093.5	4,584.5	-246.1	4,591.1	0.00	0.00	0.00
TD at 11717.3									

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	-270.4	-715.1	1,254,859.18	3,248,966.97	40.029550	-104.610920
- plan misses by 764.5ft 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	1,254,879.29	3,250,966.79		
460' Setback BHL	0.00	0.00	1.0	4,585.3	-715.1	1,259,714.45	3,248,918.15	40.042879	-104.610920
- plan misses by 4640.8ft 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	1,259,734.56	3,250,917.97		
460' Setback SHL	0.00	0.00	1.0	189.6	-715.1	1,255,319.14	3,248,962.34	40.030813	-104.610920
- plan misses by 739.8ft 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	1,255,339.25	3,250,962.16		
SHL 270'FSL & 1548'I	0.00	0.00	1.0	0.0	0.0	1,255,136.72	3,249,679.31	40.030292	-104.608366
- plan hits target									
- Point									
BHL 460'FNL & 1815'	0.00	0.00	7,093.5	4,584.6	-246.1	1,259,718.42	3,249,387.12	40.042877	-104.609245
- plan hits target									
- Point									

Database:	landmark	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-2N
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-24-2N	**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 (")
7,435.1	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
1,000.0	1,000.0	0.0	0.0	KOP - Start Build 2.00
3,646.0	3,625.4	-205.2	-247.4	Start Drop -2.00
6,614.4	6,592.8	-220.9	-266.3	KOP #2 - Start Build 11.00
11,717.3	7,093.5	4,584.5	-246.1	TD at 11717.3

ENSIGN
Directional

Verdad Oil & Gas Corporation

SEC.24-T1N-R65W
Meehl 01N-65W-24 Pad Sec.24-T01N-R65W
Meehl 01N-65W-24-2N

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-24-2N
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-24-2N	**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	11,716.6	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	15.1	14.5	22.433	CC, ES
Meehl 01N-65W-24-1C - Wellbore #1 - Plan #1 (10-17-14	11,717.3	11,924.9	263.3	139.2	2.121	SF
Meehl 01N-65W-24-3N - Wellbore #1 - Plan #1 (10-17-14	1,000.0	1,000.0	14.8	10.6	3.476	CC
Meehl 01N-65W-24-3N - Wellbore #1 - Plan #1 (10-17-14	11,717.3	11,708.9	164.9	-14.6	0.919	Level 1, ES, SF
Meehl 01N-65W-24-4N - Wellbore #1 - Plan #1 (10-17-14	1,000.0	1,000.0	30.0	25.7	7.016	CC, ES
Meehl 01N-65W-24-4N - Wellbore #1 - Plan #1 (10-17-14	11,717.3	11,706.1	329.8	150.3	1.837	SF
Meehl 01N-65W-24-5C - Wellbore #1 - Plan #1 (10-17-14	1,000.0	1,000.0	45.1	40.8	10.558	CC, ES
Meehl 01N-65W-24-5C - Wellbore #1 - Plan #1 (10-17-14	11,717.3	11,910.2	535.8	367.7	3.187	SF
Meehl 01N-65W-24-6N - Wellbore #1 - Plan #1 (10-17-14	1,000.0	1,000.0	59.9	55.7	14.033	CC, ES
Meehl 01N-65W-24-6N - Wellbore #1 - Plan #1 (10-17-14	11,717.3	11,719.0	659.9	480.6	3.679	SF
Meehl 01N-65W-24-7N - Wellbore #1 - Plan #1 (10-17-14	1,000.0	1,000.0	75.1	70.8	17.574	CC, ES
Meehl 01N-65W-24-7N - Wellbore #1 - Plan #1 (10-17-14	11,717.3	11,734.9	824.9	645.4	4.597	SF
Meehl 01N-65W-24-8N - Wellbore #1 - Plan #1 (10-17-14	600.0	600.0	89.9	87.4	36.358	CC, ES
Meehl 01N-65W-24-8N - Wellbore #1 - Plan #1 (10-17-14	11,717.3	11,757.0	990.1	810.6	5.517	SF
Meehl 01N-65W-24-9C - Wellbore #1 - Plan #1 (10-17-14	200.0	200.0	105.0	104.3	155.740	CC, ES
Meehl 01N-65W-24-9C - Wellbore #1 - Plan #1 (10-17-14	1,000.0	955.3	209.1	204.3	43.957	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	-91.35	-0.4	-15.1	15.1	15.1	0.00	N/A	
100.0	100.0	100.0	100.0	0.1	0.1	-91.35	-0.4	-15.1	15.1	14.9	0.22	67.298	
200.0	200.0	200.0	200.0	0.3	0.3	-91.35	-0.4	-15.1	15.1	14.5	0.67	22.433	CC, ES
300.0	300.0	299.5	299.5	0.6	0.5	-94.00	-1.2	-16.6	16.7	15.6	1.11	15.069	
400.0	400.0	398.7	398.6	0.8	0.8	-99.58	-3.6	-21.2	21.6	20.0	1.55	13.925	
500.0	500.0	497.5	497.0	1.0	1.0	-104.77	-7.6	-28.8	29.9	27.9	2.01	14.901	
600.0	600.0	596.1	594.9	1.2	1.3	-108.46	-13.0	-39.1	41.5	39.0	2.49	16.692	
700.0	700.0	695.3	693.3	1.5	1.6	-110.64	-18.8	-50.0	53.9	50.9	2.97	18.120	
800.0	800.0	794.5	791.8	1.7	1.9	-112.01	-24.7	-61.0	66.3	62.8	3.47	19.108	
900.0	900.0	893.8	890.2	1.9	2.2	-112.95	-30.5	-71.9	78.7	74.8	3.97	19.826	
1,000.0	1,000.0	993.0	988.6	2.1	2.5	-113.63	-36.3	-82.9	91.2	86.7	4.48	20.369	
1,100.0	1,100.0	1,092.4	1,087.3	2.3	2.9	15.74	-42.1	-93.9	102.0	97.3	4.70	21.684	

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-24-2N
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-24-2N	**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	1,199.8	1,192.1	1,186.2	2.5	3.2	15.98	-47.9	-104.9	109.5	104.3	5.12	21.372	
1,300.0	1,299.5	1,292.0	1,285.3	2.7	3.5	16.71	-53.8	-115.9	113.6	108.0	5.55	20.474	
1,400.0	1,398.7	1,392.0	1,384.5	3.0	3.8	17.90	-59.6	-127.0	114.5	108.5	5.99	19.126	
1,424.6	1,423.1	1,416.6	1,408.9	3.0	3.9	18.23	-61.1	-129.7	114.5	108.4	6.10	18.771	
1,500.0	1,497.9	1,491.9	1,483.7	3.2	4.2	19.24	-65.5	-138.0	114.5	108.1	6.44	17.769	
1,600.0	1,597.0	1,591.9	1,582.9	3.5	4.5	20.58	-71.3	-149.1	114.6	107.7	6.91	16.575	
1,700.0	1,696.1	1,691.9	1,682.0	3.7	4.8	21.92	-77.2	-160.1	114.7	107.3	7.39	15.518	
1,800.0	1,795.3	1,791.8	1,781.2	4.0	5.2	23.25	-83.0	-171.1	114.9	107.0	7.88	14.579	
1,900.0	1,894.4	1,891.8	1,880.4	4.3	5.5	24.58	-88.9	-182.2	115.2	106.8	8.38	13.741	
2,000.0	1,993.6	1,991.7	1,979.6	4.6	5.8	25.91	-94.7	-193.2	115.5	106.6	8.89	12.989	
2,100.0	2,092.7	2,091.7	2,078.8	4.9	6.1	27.22	-100.6	-204.3	115.9	106.5	9.41	12.312	
2,200.0	2,191.8	2,191.7	2,177.9	5.2	6.5	28.52	-106.4	-215.3	116.4	106.4	9.94	11.700	
2,300.0	2,291.0	2,291.6	2,277.1	5.6	6.8	29.82	-112.3	-226.3	116.9	106.4	10.48	11.146	
2,400.0	2,390.1	2,391.6	2,376.3	5.9	7.1	31.10	-118.1	-237.4	117.4	106.4	11.03	10.642	
2,500.0	2,489.3	2,491.6	2,475.5	6.2	7.5	32.37	-124.0	-248.4	118.1	106.5	11.59	10.182	
2,600.0	2,588.4	2,591.5	2,574.7	6.5	7.8	33.62	-129.8	-259.5	118.7	106.6	12.16	9.762	
2,700.0	2,687.6	2,691.5	2,673.8	6.8	8.1	34.86	-135.7	-270.5	119.5	106.7	12.74	9.377	
2,800.0	2,786.7	2,791.5	2,773.0	7.2	8.5	36.09	-141.5	-281.5	120.3	106.9	13.33	9.024	
2,900.0	2,885.8	2,891.4	2,872.2	7.5	8.8	37.29	-147.4	-292.6	121.1	107.2	13.92	8.699	
3,000.0	2,985.0	2,991.4	2,971.4	7.8	9.1	38.48	-153.2	-303.6	122.0	107.5	14.53	8.399	
3,100.0	3,084.1	3,091.4	3,070.6	8.1	9.5	39.66	-159.0	-314.7	123.0	107.8	15.14	8.123	
3,200.0	3,183.3	3,191.3	3,169.7	8.5	9.8	40.81	-164.9	-325.7	124.0	108.2	15.76	7.867	
3,300.0	3,282.4	3,291.3	3,268.9	8.8	10.1	41.95	-170.7	-336.7	125.0	108.7	16.39	7.630	
3,400.0	3,381.6	3,391.2	3,368.1	9.1	10.4	43.06	-176.6	-347.8	126.1	109.1	17.02	7.411	
3,500.0	3,480.7	3,491.2	3,467.3	9.5	10.8	44.16	-182.4	-358.8	127.3	109.6	17.66	7.207	
3,600.0	3,579.8	3,591.2	3,566.5	9.8	11.1	45.23	-188.3	-369.9	128.5	110.2	18.31	7.018	
3,700.0	3,679.0	3,691.1	3,665.6	10.1	11.4	46.14	-194.1	-380.9	130.1	111.2	18.93	6.872	
3,800.0	3,778.6	3,791.1	3,764.8	10.3	11.8	46.09	-200.0	-391.9	133.9	114.5	19.40	6.899	
3,900.0	3,878.4	3,890.8	3,863.8	10.5	12.1	45.05	-205.8	-403.0	140.1	120.3	19.77	7.086	
4,000.0	3,978.4	3,991.3	3,963.4	10.7	12.4	43.20	-211.7	-414.0	148.8	128.8	20.02	7.431	
4,100.0	4,078.4	4,095.6	4,067.2	10.8	12.6	-88.40	-216.5	-423.2	157.3	137.1	20.20	7.787	
4,200.0	4,178.4	4,200.5	4,172.0	11.0	12.8	-89.55	-219.6	-429.0	162.8	142.4	20.46	7.958	
4,300.0	4,278.4	4,305.8	4,277.2	11.2	13.0	-90.00	-220.9	-431.4	165.1	144.4	20.77	7.951	
4,400.0	4,378.4	4,407.0	4,378.4	11.3	13.1	-90.02	-221.0	-431.5	165.2	144.1	21.12	7.822	
4,500.0	4,478.4	4,507.0	4,478.4	11.5	13.3	-90.02	-221.0	-431.5	165.2	143.8	21.47	7.696	
4,600.0	4,578.4	4,607.0	4,578.4	11.7	13.4	-90.02	-221.0	-431.5	165.2	143.4	21.82	7.572	
4,700.0	4,678.4	4,707.0	4,678.4	11.8	13.6	-90.02	-221.0	-431.5	165.2	143.0	22.17	7.451	
4,800.0	4,778.4	4,807.0	4,778.4	12.0	13.7	-90.02	-221.0	-431.5	165.2	142.7	22.53	7.333	
4,900.0	4,878.4	4,907.0	4,878.4	12.2	13.9	-90.02	-221.0	-431.5	165.2	142.3	22.89	7.217	
5,000.0	4,978.4	5,007.0	4,978.4	12.4	14.0	-90.02	-221.0	-431.5	165.2	142.0	23.26	7.104	
5,100.0	5,078.4	5,107.0	5,078.4	12.6	14.2	-90.02	-221.0	-431.5	165.2	141.6	23.62	6.994	
5,200.0	5,178.4	5,207.0	5,178.4	12.7	14.3	-90.02	-221.0	-431.5	165.2	141.2	23.99	6.886	
5,300.0	5,278.4	5,307.0	5,278.4	12.9	14.5	-90.02	-221.0	-431.5	165.2	140.9	24.36	6.781	
5,400.0	5,378.4	5,407.0	5,378.4	13.1	14.6	-90.02	-221.0	-431.5	165.2	140.5	24.74	6.678	
5,500.0	5,478.4	5,507.0	5,478.4	13.3	14.8	-90.02	-221.0	-431.5	165.2	140.1	25.12	6.578	
5,600.0	5,578.4	5,607.0	5,578.4	13.5	15.0	-90.02	-221.0	-431.5	165.2	139.7	25.50	6.480	
5,700.0	5,678.4	5,707.0	5,678.4	13.6	15.1	-90.02	-221.0	-431.5	165.2	139.3	25.88	6.385	
5,800.0	5,778.4	5,807.0	5,778.4	13.8	15.3	-90.02	-221.0	-431.5	165.2	139.0	26.26	6.291	
5,900.0	5,878.4	5,907.0	5,878.4	14.0	15.5	-90.02	-221.0	-431.5	165.2	138.6	26.65	6.200	
6,000.0	5,978.4	6,007.0	5,978.4	14.2	15.6	-90.02	-221.0	-431.5	165.2	138.2	27.04	6.111	
6,100.0	6,078.4	6,107.0	6,078.4	14.4	15.8	-90.02	-221.0	-431.5	165.2	137.8	27.43	6.024	
6,200.0	6,178.4	6,207.0	6,178.4	14.6	16.0	-90.02	-221.0	-431.5	165.2	137.4	27.82	5.940	

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-2N
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-24-2N	**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
6,300.0	6,278.4	6,307.0	6,278.4	14.8	16.1	-90.02	-221.0	-431.5	165.2	137.0	28.21	5.857	
6,400.0	6,378.4	6,407.0	6,378.4	15.0	16.3	-90.02	-221.0	-431.5	165.2	136.6	28.61	5.776	
6,500.0	6,478.4	6,507.0	6,478.4	15.2	16.5	-90.02	-221.0	-431.5	165.2	136.2	29.00	5.697	
6,600.0	6,578.4	6,607.0	6,578.4	15.4	16.7	-90.02	-221.0	-431.5	165.2	135.8	29.40	5.620	
6,631.5	6,609.9	6,638.5	6,609.9	15.4	16.7	-90.54	-221.0	-431.5	165.2	135.7	29.51	5.598	
6,700.0	6,678.0	6,706.6	6,678.0	15.5	16.8	-92.65	-221.0	-431.5	165.4	135.8	29.64	5.581	
6,800.0	6,774.5	6,803.1	6,774.5	15.6	17.0	-100.74	-221.0	-431.5	168.6	139.1	29.44	5.726	
6,900.0	6,864.3	6,904.6	6,875.6	15.7	17.2	-111.78	-214.3	-431.5	180.0	151.1	28.87	6.233	
7,000.0	6,944.1	7,017.1	6,983.8	15.7	17.3	-121.47	-184.6	-431.4	197.5	169.6	27.89	7.081	
7,100.0	7,011.0	7,141.2	7,092.8	15.7	17.3	-129.20	-125.7	-431.1	217.8	191.3	26.46	8.229	
7,200.0	7,062.6	7,278.4	7,193.3	15.8	17.3	-134.92	-32.9	-430.7	237.0	212.1	24.87	9.528	
7,300.0	7,096.9	7,428.4	7,271.3	16.0	17.3	-138.64	94.7	-430.2	251.6	228.0	23.65	10.639	
7,400.0	7,112.7	7,587.7	7,310.9	16.5	17.7	-140.31	248.3	-429.5	258.8	235.3	23.46	11.031	
7,500.0	7,113.4	7,708.2	7,313.2	17.3	18.4	-140.42	368.7	-429.0	259.3	234.9	24.38	10.635	
7,600.0	7,112.9	7,808.2	7,312.9	18.3	19.3	-140.44	468.7	-428.6	259.4	233.8	25.61	10.129	
7,700.0	7,112.4	7,908.2	7,312.5	19.4	20.3	-140.45	568.7	-428.2	259.5	232.4	27.04	9.595	
7,800.0	7,112.0	8,008.2	7,312.2	20.6	21.5	-140.47	668.7	-427.8	259.6	230.9	28.66	9.057	
7,900.0	7,111.5	8,108.2	7,311.8	21.9	22.8	-140.49	768.7	-427.4	259.7	229.2	30.43	8.534	
8,000.0	7,111.0	8,208.2	7,311.5	23.3	24.1	-140.50	868.7	-426.9	259.8	227.4	32.32	8.038	
8,100.0	7,110.5	8,308.2	7,311.1	24.8	25.5	-140.52	968.7	-426.5	259.9	225.5	34.31	7.573	
8,200.0	7,110.1	8,408.2	7,310.8	26.3	27.0	-140.54	1,068.7	-426.1	260.0	223.6	36.40	7.142	
8,300.0	7,109.6	8,508.2	7,310.4	27.8	28.5	-140.56	1,168.7	-425.7	260.0	221.5	38.55	6.745	
8,400.0	7,109.1	8,608.2	7,310.1	29.4	30.1	-140.57	1,268.7	-425.3	260.1	219.4	40.77	6.381	
8,500.0	7,108.7	8,708.2	7,309.7	31.1	31.7	-140.59	1,368.7	-424.8	260.2	217.2	43.04	6.047	
8,600.0	7,108.2	8,808.2	7,309.4	32.8	33.4	-140.61	1,468.7	-424.4	260.3	215.0	45.35	5.741	
8,700.0	7,107.7	8,908.2	7,309.0	34.4	35.0	-140.63	1,568.7	-424.0	260.4	212.7	47.69	5.460	
8,800.0	7,107.2	9,008.2	7,308.7	36.2	36.7	-140.64	1,668.7	-423.6	260.5	210.4	50.07	5.203	
8,900.0	7,106.8	9,108.2	7,308.3	37.9	38.4	-140.66	1,768.7	-423.2	260.6	208.1	52.48	4.966	
9,000.0	7,106.3	9,208.2	7,308.0	39.7	40.2	-140.68	1,868.7	-422.7	260.7	205.8	54.91	4.748	
9,100.0	7,105.8	9,308.2	7,307.6	41.4	41.9	-140.69	1,968.7	-422.3	260.8	203.4	57.36	4.547	
9,200.0	7,105.4	9,408.2	7,307.3	43.2	43.7	-140.71	2,068.7	-421.9	260.9	201.1	59.82	4.361	
9,300.0	7,104.9	9,508.2	7,306.9	45.0	45.5	-140.73	2,168.7	-421.5	261.0	198.7	62.30	4.189	
9,400.0	7,104.4	9,608.2	7,306.6	46.8	47.2	-140.74	2,268.7	-421.0	261.1	196.3	64.80	4.029	
9,500.0	7,103.9	9,708.2	7,306.2	48.6	49.0	-140.76	2,368.7	-420.6	261.2	193.9	67.30	3.881	
9,600.0	7,103.5	9,808.2	7,305.9	50.4	50.8	-140.78	2,468.7	-420.2	261.3	191.5	69.82	3.742	
9,700.0	7,103.0	9,908.2	7,305.5	52.2	52.6	-140.80	2,568.7	-419.8	261.4	189.0	72.34	3.613	
9,800.0	7,102.5	10,008.2	7,305.2	54.1	54.5	-140.81	2,668.7	-419.4	261.5	186.6	74.88	3.492	
9,900.0	7,102.1	10,108.2	7,304.8	55.9	56.3	-140.83	2,768.7	-418.9	261.6	184.1	77.42	3.379	
10,000.0	7,101.6	10,208.2	7,304.5	57.7	58.1	-140.85	2,868.7	-418.5	261.7	181.7	79.96	3.272	
10,100.0	7,101.1	10,308.2	7,304.1	59.6	59.9	-140.86	2,968.7	-418.1	261.7	179.2	82.51	3.172	
10,200.0	7,100.7	10,408.2	7,303.8	61.4	61.8	-140.88	3,068.7	-417.7	261.8	176.8	85.07	3.078	
10,300.0	7,100.2	10,508.2	7,303.4	63.3	63.6	-140.90	3,168.7	-417.3	261.9	174.3	87.63	2.989	
10,400.0	7,099.7	10,608.2	7,303.1	65.1	65.5	-140.91	3,268.7	-416.8	262.0	171.8	90.20	2.905	
10,500.0	7,099.2	10,708.2	7,302.7	67.0	67.3	-140.93	3,368.7	-416.4	262.1	169.4	92.76	2.826	
10,600.0	7,098.8	10,808.2	7,302.4	68.9	69.2	-140.95	3,468.7	-416.0	262.2	166.9	95.34	2.750	
10,700.0	7,098.3	10,908.2	7,302.0	70.7	71.0	-140.97	3,568.7	-415.6	262.3	164.4	97.91	2.679	
10,800.0	7,097.8	11,008.2	7,301.7	72.6	72.9	-140.98	3,668.7	-415.2	262.4	161.9	100.49	2.611	
10,900.0	7,097.4	11,108.2	7,301.4	74.5	74.8	-141.00	3,768.7	-414.7	262.5	159.4	103.06	2.547	
11,000.0	7,096.9	11,208.2	7,301.0	76.3	76.6	-141.02	3,868.7	-414.3	262.6	157.0	105.64	2.486	
11,100.0	7,096.4	11,308.2	7,300.7	78.2	78.5	-141.03	3,968.7	-413.9	262.7	154.5	108.23	2.427	
11,200.0	7,095.9	11,408.2	7,300.3	80.1	80.4	-141.05	4,068.7	-413.5	262.8	152.0	110.81	2.372	
11,300.0	7,095.5	11,508.2	7,300.0	82.0	82.2	-141.07	4,168.7	-413.1	262.9	149.5	113.39	2.318	

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-2N
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-24-2N	**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
11,400.0	7,095.0	11,608.2	7,299.6	83.8	84.1	-141.08	4,268.7	-412.6	263.0	147.0	115.98	2.267	
11,500.0	7,094.5	11,708.2	7,299.3	85.7	86.0	-141.10	4,368.7	-412.2	263.1	144.5	118.57	2.219	
11,600.0	7,094.1	11,808.2	7,298.9	87.6	87.9	-141.12	4,468.7	-411.8	263.2	142.0	121.15	2.172	
11,700.0	7,093.6	11,908.2	7,298.6	89.5	89.8	-141.13	4,568.7	-411.4	263.3	139.5	123.74	2.128	
11,717.3	7,093.5	11,924.9	7,298.5	89.8	90.1	-141.14	4,585.3	-411.3	263.3	139.2	124.12	2.121	SF

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-2N
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-24-2N	**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	91.39	-0.4	14.8	14.8	14.8	0.00	N/A	
100.0	100.0	100.0	100.0	0.1	0.1	91.39	-0.4	14.8	14.8	14.6	0.22	66.053	
200.0	200.0	200.0	200.0	0.3	0.3	91.39	-0.4	14.8	14.8	14.2	0.67	22.018	
300.0	300.0	300.0	300.0	0.6	0.6	91.39	-0.4	14.8	14.8	13.7	1.12	13.211	
400.0	400.0	400.0	400.0	0.8	0.8	91.39	-0.4	14.8	14.8	13.3	1.57	9.436	
500.0	500.0	500.0	500.0	1.0	1.0	91.39	-0.4	14.8	14.8	12.8	2.02	7.339	
600.0	600.0	600.0	600.0	1.2	1.2	91.39	-0.4	14.8	14.8	12.4	2.47	6.005	
700.0	700.0	700.0	700.0	1.5	1.5	91.39	-0.4	14.8	14.8	11.9	2.92	5.081	
800.0	800.0	800.0	800.0	1.7	1.7	91.39	-0.4	14.8	14.8	11.5	3.37	4.404	
900.0	900.0	900.0	900.0	1.9	1.9	91.39	-0.4	14.8	14.8	11.0	3.82	3.885	
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	91.39	-0.4	14.8	14.8	10.6	4.27	3.476 CC	
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.4	-142.97	-0.4	14.8	16.2	11.5	4.70	3.450	
1,200.0	1,199.8	1,199.8	1,199.8	2.5	2.6	-151.72	-0.4	14.8	20.6	15.5	5.10	4.043	
1,300.0	1,299.5	1,299.5	1,299.5	2.7	2.8	-159.96	-0.4	14.8	28.6	23.1	5.51	5.192	
1,400.0	1,398.7	1,398.7	1,398.7	3.0	3.0	-165.83	-0.4	14.8	40.2	34.3	5.92	6.788	
1,500.0	1,497.9	1,497.9	1,497.9	3.2	3.3	-169.30	-0.4	14.8	52.9	46.6	6.34	8.347	
1,600.0	1,597.0	1,597.0	1,597.0	3.5	3.5	-171.41	-0.4	14.8	65.8	59.1	6.77	9.721	
1,700.0	1,696.1	1,698.5	1,698.4	3.7	3.7	-172.23	-1.9	14.1	77.4	70.2	7.18	10.768	
1,800.0	1,795.3	1,800.6	1,800.4	4.0	3.9	-171.65	-6.6	11.6	85.8	78.3	7.58	11.328	
1,900.0	1,894.4	1,903.1	1,902.6	4.3	4.1	-169.97	-14.5	7.4	91.3	83.3	7.99	11.432	
2,000.0	1,993.6	2,004.1	2,002.9	4.6	4.3	-167.50	-25.0	1.8	94.4	86.0	8.41	11.222	
2,100.0	2,092.7	2,104.0	2,102.0	4.9	4.5	-165.10	-35.6	-3.8	97.4	88.5	8.85	11.002	
2,200.0	2,191.8	2,203.9	2,201.2	5.2	4.7	-162.85	-46.3	-9.4	100.5	91.2	9.31	10.801	
2,300.0	2,291.0	2,303.8	2,300.3	5.6	4.9	-160.75	-56.9	-15.0	103.8	94.0	9.78	10.616	
2,400.0	2,390.1	2,403.6	2,399.5	5.9	5.2	-158.77	-67.5	-20.6	107.3	97.0	10.27	10.445	
2,500.0	2,489.3	2,503.5	2,498.6	6.2	5.4	-156.92	-78.2	-26.2	110.8	100.0	10.77	10.286	
2,600.0	2,588.4	2,603.4	2,597.8	6.5	5.7	-155.18	-88.8	-31.8	114.5	103.2	11.29	10.140	
2,700.0	2,687.6	2,703.3	2,696.9	6.8	6.0	-153.55	-99.4	-37.4	118.2	106.4	11.82	10.003	
2,800.0	2,786.7	2,803.1	2,796.1	7.2	6.2	-152.03	-110.0	-43.0	122.1	109.7	12.36	9.877	
2,900.0	2,885.8	2,903.0	2,895.2	7.5	6.5	-150.59	-120.7	-48.6	126.0	113.1	12.91	9.759	
3,000.0	2,985.0	3,002.9	2,994.4	7.8	6.8	-149.25	-131.3	-54.3	130.0	116.5	13.47	9.650	
3,100.0	3,084.1	3,102.8	3,093.5	8.1	7.1	-147.99	-141.9	-59.9	134.1	120.0	14.04	9.548	
3,200.0	3,183.3	3,202.6	3,192.7	8.5	7.4	-146.80	-152.6	-65.5	138.2	123.6	14.62	9.454	
3,300.0	3,282.4	3,302.5	3,291.8	8.8	7.7	-145.68	-163.2	-71.1	142.4	127.2	15.20	9.366	
3,400.0	3,381.6	3,402.4	3,391.0	9.1	8.0	-144.62	-173.8	-76.7	146.6	130.8	15.79	9.284	
3,500.0	3,480.7	3,502.3	3,490.1	9.5	8.3	-143.63	-184.4	-82.3	150.9	134.5	16.39	9.208	
3,600.0	3,579.8	3,602.1	3,589.3	9.8	8.6	-142.69	-195.1	-87.9	155.2	138.3	16.99	9.137	
3,700.0	3,679.0	3,700.0	3,686.4	10.1	8.9	-141.79	-205.3	-93.3	159.3	141.7	17.58	9.065	
3,800.0	3,778.6	3,798.4	3,784.4	10.3	9.1	-141.07	-213.4	-97.6	162.3	144.2	18.05	8.988	
3,900.0	3,878.4	3,895.8	3,881.6	10.5	9.3	-140.63	-218.4	-100.2	164.1	145.7	18.47	8.886	
4,000.0	3,978.4	3,993.1	3,978.9	10.7	9.5	-140.45	-220.5	-101.3	164.9	146.1	18.83	8.757	
4,100.0	4,078.4	4,092.6	4,078.4	10.8	9.7	89.88	-220.6	-101.4	164.9	145.8	19.18	8.598	
4,200.0	4,178.4	4,192.6	4,178.4	11.0	9.8	89.88	-220.6	-101.4	164.9	145.4	19.55	8.439	
4,300.0	4,278.4	4,292.6	4,278.4	11.2	10.0	89.88	-220.6	-101.4	164.9	145.0	19.91	8.284	
4,400.0	4,378.4	4,392.6	4,378.4	11.3	10.2	89.88	-220.6	-101.4	164.9	144.7	20.28	8.133	
4,500.0	4,478.4	4,492.6	4,478.4	11.5	10.4	89.88	-220.6	-101.4	164.9	144.3	20.65	7.987	
4,600.0	4,578.4	4,592.6	4,578.4	11.7	10.6	89.88	-220.6	-101.4	164.9	143.9	21.03	7.844	
4,700.0	4,678.4	4,692.6	4,678.4	11.8	10.8	89.88	-220.6	-101.4	164.9	143.5	21.40	7.706	
4,800.0	4,778.4	4,792.6	4,778.4	12.0	11.0	89.88	-220.6	-101.4	164.9	143.2	21.79	7.571	
4,900.0	4,878.4	4,892.6	4,878.4	12.2	11.2	89.88	-220.6	-101.4	164.9	142.8	22.17	7.440	
5,000.0	4,978.4	4,992.6	4,978.4	12.4	11.4	89.88	-220.6	-101.4	164.9	142.4	22.55	7.313	
5,100.0	5,078.4	5,092.6	5,078.4	12.6	11.6	89.88	-220.6	-101.4	164.9	142.0	22.94	7.189	

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-2N
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-24-2N	**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	5,178.4	5,192.6	5,178.4	12.7	11.8	89.88	-220.6	-101.4	164.9	141.6	23.33	7.069	
5,300.0	5,278.4	5,292.6	5,278.4	12.9	11.9	89.88	-220.6	-101.4	164.9	141.2	23.73	6.952	
5,400.0	5,378.4	5,392.6	5,378.4	13.1	12.1	89.88	-220.6	-101.4	164.9	140.8	24.12	6.839	
5,500.0	5,478.4	5,492.6	5,478.4	13.3	12.3	89.88	-220.6	-101.4	164.9	140.4	24.52	6.728	
5,600.0	5,578.4	5,592.6	5,578.4	13.5	12.5	89.88	-220.6	-101.4	164.9	140.0	24.91	6.621	
5,700.0	5,678.4	5,692.6	5,678.4	13.6	12.7	89.88	-220.6	-101.4	164.9	139.6	25.31	6.516	
5,800.0	5,778.4	5,792.6	5,778.4	13.8	12.9	89.88	-220.6	-101.4	164.9	139.2	25.71	6.414	
5,900.0	5,878.4	5,892.6	5,878.4	14.0	13.1	89.88	-220.6	-101.4	164.9	138.8	26.12	6.315	
6,000.0	5,978.4	5,992.6	5,978.4	14.2	13.4	89.88	-220.6	-101.4	164.9	138.4	26.52	6.219	
6,100.0	6,078.4	6,092.6	6,078.4	14.4	13.6	89.88	-220.6	-101.4	164.9	138.0	26.93	6.125	
6,200.0	6,178.4	6,192.6	6,178.4	14.6	13.8	89.88	-220.6	-101.4	164.9	137.6	27.34	6.034	
6,300.0	6,278.4	6,292.6	6,278.4	14.8	14.0	89.88	-220.6	-101.4	164.9	137.2	27.74	5.945	
6,400.0	6,378.4	6,392.6	6,378.4	15.0	14.2	89.88	-220.6	-101.4	164.9	136.8	28.15	5.859	
6,500.0	6,478.4	6,492.6	6,478.4	15.2	14.4	89.88	-220.6	-101.4	164.9	136.4	28.56	5.774	
6,600.0	6,578.4	6,592.6	6,578.4	15.4	14.6	89.88	-220.6	-101.4	164.9	136.0	28.98	5.692	
6,700.0	6,678.0	6,692.4	6,677.8	15.5	14.8	89.65	-213.6	-101.3	164.9	135.6	29.33	5.623	
6,800.0	6,774.5	6,792.2	6,774.1	15.6	14.9	89.66	-188.0	-101.2	164.9	135.4	29.53	5.585	
6,900.0	6,864.3	6,892.0	6,863.8	15.7	14.9	89.69	-144.5	-101.0	164.9	135.3	29.64	5.565	
7,000.0	6,944.1	6,991.9	6,943.6	15.7	15.0	89.73	-84.7	-100.8	164.9	135.2	29.76	5.543	
7,100.0	7,011.0	7,091.7	7,010.5	15.7	15.0	89.78	-10.8	-100.5	164.9	134.9	30.01	5.497	
7,200.0	7,062.6	7,191.6	7,062.2	15.8	15.2	89.84	74.5	-100.1	164.9	134.4	30.51	5.406	
7,300.0	7,096.9	7,291.6	7,096.6	16.0	15.7	89.91	168.1	-99.7	164.9	133.6	31.36	5.260	
7,400.0	7,112.7	7,391.5	7,112.6	16.5	16.3	89.98	266.7	-99.3	164.9	132.4	32.58	5.063	
7,500.0	7,113.4	7,491.5	7,113.4	17.3	17.1	90.00	366.6	-98.9	164.9	130.8	34.14	4.831	
7,600.0	7,112.9	7,591.5	7,112.9	18.3	18.0	90.00	466.6	-98.5	164.9	128.9	36.05	4.576	
7,700.0	7,112.4	7,691.5	7,112.4	19.4	19.1	90.00	566.6	-98.1	164.9	126.7	38.24	4.314	
7,800.0	7,112.0	7,791.5	7,112.0	20.6	20.4	90.00	666.6	-97.6	164.9	124.3	40.67	4.055	
7,900.0	7,111.5	7,891.5	7,111.5	21.9	21.7	90.00	766.6	-97.2	164.9	121.6	43.31	3.809	
8,000.0	7,111.0	7,991.5	7,111.0	23.3	23.1	90.00	866.6	-96.8	164.9	118.8	46.11	3.577	
8,100.0	7,110.5	8,091.5	7,110.5	24.8	24.6	90.00	966.6	-96.4	164.9	115.9	49.05	3.363	
8,200.0	7,110.1	8,191.5	7,110.1	26.3	26.1	90.00	1,066.6	-96.0	164.9	112.8	52.11	3.165	
8,300.0	7,109.6	8,291.5	7,109.6	27.8	27.7	90.00	1,166.6	-95.5	164.9	109.7	55.26	2.985	
8,400.0	7,109.1	8,391.5	7,109.1	29.4	29.3	90.00	1,266.6	-95.1	164.9	106.4	58.50	2.820	
8,500.0	7,108.7	8,491.5	7,108.7	31.1	30.9	90.00	1,366.6	-94.7	164.9	103.1	61.80	2.669	
8,600.0	7,108.2	8,591.5	7,108.2	32.8	32.6	90.00	1,466.6	-94.3	164.9	99.8	65.16	2.531	
8,700.0	7,107.7	8,691.5	7,107.7	34.4	34.3	90.00	1,566.6	-93.9	164.9	96.4	68.57	2.405	
8,800.0	7,107.2	8,791.5	7,107.2	36.2	36.1	90.00	1,666.6	-93.4	164.9	92.9	72.02	2.290	
8,900.0	7,106.8	8,891.5	7,106.8	37.9	37.8	90.00	1,766.6	-93.0	164.9	89.4	75.50	2.184	
9,000.0	7,106.3	8,991.5	7,106.3	39.7	39.6	90.00	1,866.6	-92.6	164.9	85.9	79.02	2.087	
9,100.0	7,105.8	9,091.5	7,105.8	41.4	41.3	90.00	1,966.6	-92.2	164.9	82.4	82.57	1.997	
9,200.0	7,105.4	9,191.5	7,105.4	43.2	43.1	90.00	2,066.6	-91.8	164.9	78.8	86.14	1.915	
9,300.0	7,104.9	9,291.5	7,104.9	45.0	44.9	90.00	2,166.6	-91.3	164.9	75.2	89.73	1.838	
9,400.0	7,104.4	9,391.5	7,104.4	46.8	46.7	90.00	2,266.6	-90.9	164.9	71.6	93.34	1.767	
9,500.0	7,103.9	9,491.5	7,104.0	48.6	48.5	90.00	2,366.6	-90.5	164.9	68.0	96.97	1.701	
9,600.0	7,103.5	9,591.5	7,103.5	50.4	50.3	90.00	2,466.6	-90.1	164.9	64.3	100.61	1.639	
9,700.0	7,103.0	9,691.5	7,103.0	52.2	52.2	90.00	2,566.6	-89.7	164.9	60.7	104.27	1.582	
9,800.0	7,102.5	9,791.5	7,102.5	54.1	54.0	90.00	2,666.6	-89.2	164.9	57.0	107.93	1.528	
9,900.0	7,102.1	9,891.5	7,102.1	55.9	55.8	90.00	2,766.6	-88.8	164.9	53.3	111.61	1.478	Level 3
10,000.0	7,101.6	9,991.5	7,101.6	57.7	57.7	90.00	2,866.6	-88.4	164.9	49.6	115.30	1.430	Level 3
10,100.0	7,101.1	10,091.5	7,101.1	59.6	59.5	90.00	2,966.6	-88.0	164.9	45.9	119.00	1.386	Level 3
10,200.0	7,100.7	10,191.5	7,100.7	61.4	61.4	90.00	3,066.6	-87.6	164.9	42.2	122.70	1.344	Level 3
10,300.0	7,100.2	10,291.5	7,100.2	63.3	63.2	90.00	3,166.6	-87.1	164.9	38.5	126.41	1.305	Level 3

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-2N
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-24-2N	**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
10,400.0	7,099.7	10,391.5	7,099.7	65.1	65.1	90.00	3,266.6	-86.7	164.9	34.8	130.13	1.267	Level 3
10,500.0	7,099.2	10,491.5	7,099.2	67.0	67.0	90.00	3,366.6	-86.3	164.9	31.1	133.86	1.232	Level 2
10,600.0	7,098.8	10,591.5	7,098.8	68.9	68.8	90.00	3,466.6	-85.9	164.9	27.3	137.59	1.199	Level 2
10,700.0	7,098.3	10,691.5	7,098.3	70.7	70.7	90.00	3,566.6	-85.5	164.9	23.6	141.32	1.167	Level 2
10,800.0	7,097.8	10,791.5	7,097.8	72.6	72.6	90.00	3,666.6	-85.0	164.9	19.9	145.06	1.137	Level 2
10,900.0	7,097.4	10,891.5	7,097.4	74.5	74.4	90.00	3,766.6	-84.6	164.9	16.1	148.81	1.108	Level 2
11,000.0	7,096.9	10,991.5	7,096.9	76.3	76.3	90.00	3,866.6	-84.2	164.9	12.4	152.56	1.081	Level 2
11,100.0	7,096.4	11,091.5	7,096.4	78.2	78.2	90.00	3,966.6	-83.8	164.9	8.6	156.31	1.055	Level 2
11,200.0	7,095.9	11,191.5	7,095.9	80.1	80.1	90.00	4,066.6	-83.4	164.9	4.8	160.07	1.030	Level 2
11,300.0	7,095.5	11,291.5	7,095.5	82.0	82.0	90.00	4,166.6	-82.9	164.9	1.1	163.83	1.007	Level 2
11,400.0	7,095.0	11,391.5	7,095.0	83.8	83.8	90.00	4,266.6	-82.5	164.9	-2.7	167.59	0.984	Level 1
11,500.0	7,094.5	11,491.5	7,094.5	85.7	85.7	90.00	4,366.6	-82.1	164.9	-6.4	171.36	0.962	Level 1
11,600.0	7,094.1	11,591.5	7,094.1	87.6	87.6	90.00	4,466.6	-81.7	164.9	-10.2	175.13	0.942	Level 1
11,700.0	7,093.6	11,691.5	7,093.6	89.5	89.5	90.00	4,566.6	-81.3	164.9	-14.0	178.90	0.922	Level 1
11,717.3	7,093.5	11,708.9	7,093.5	89.8	89.8	90.00	4,583.9	-81.2	164.9	-14.6	179.49	0.919	Level 1, ES, SF

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-2N
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-24-2N	**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	89.99	0.0	30.0	30.0				
100.0	100.0	100.0	100.0	0.1	0.1	89.99	0.0	30.0	30.0	29.7	0.22	133.313	
200.0	200.0	200.0	200.0	0.3	0.3	89.99	0.0	30.0	30.0	29.3	0.67	44.438	
300.0	300.0	300.0	300.0	0.6	0.6	89.99	0.0	30.0	30.0	28.8	1.12	26.663	
400.0	400.0	400.0	400.0	0.8	0.8	89.99	0.0	30.0	30.0	28.4	1.57	19.045	
500.0	500.0	500.0	500.0	1.0	1.0	89.99	0.0	30.0	30.0	27.9	2.02	14.813	
600.0	600.0	600.0	600.0	1.2	1.2	89.99	0.0	30.0	30.0	27.5	2.47	12.119	
700.0	700.0	700.0	700.0	1.5	1.5	89.99	0.0	30.0	30.0	27.0	2.92	10.255	
800.0	800.0	800.0	800.0	1.7	1.7	89.99	0.0	30.0	30.0	26.6	3.37	8.888	
900.0	900.0	900.0	900.0	1.9	1.9	89.99	0.0	30.0	30.0	26.1	3.82	7.842	
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	89.99	0.0	30.0	30.0	25.7	4.27	7.016	CC, ES
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.4	-142.35	0.0	30.0	31.3	26.6	4.70	6.671	
1,200.0	1,199.8	1,199.8	1,199.8	2.5	2.6	-147.45	0.0	30.0	35.6	30.5	5.10	6.981	
1,300.0	1,299.5	1,299.5	1,299.5	2.7	2.8	-153.61	0.0	30.0	43.2	37.7	5.51	7.844	
1,400.0	1,398.7	1,398.7	1,398.7	3.0	3.0	-159.22	0.0	30.0	54.3	48.4	5.92	9.172	
1,500.0	1,497.9	1,497.9	1,497.9	3.2	3.3	-163.20	0.0	30.0	66.7	60.4	6.35	10.510	
1,600.0	1,597.0	1,597.0	1,597.0	3.5	3.5	-165.93	0.0	30.0	79.3	72.6	6.78	11.703	
1,700.0	1,696.1	1,696.1	1,696.1	3.7	3.7	-167.91	0.0	30.0	92.1	84.9	7.21	12.763	
1,800.0	1,795.3	1,795.3	1,795.3	4.0	3.9	-169.40	0.0	30.0	104.9	97.2	7.65	13.707	
1,900.0	1,894.4	1,895.8	1,895.8	4.3	4.1	-169.86	-1.6	30.2	117.2	109.1	8.07	14.523	
2,000.0	1,993.6	1,996.7	1,996.6	4.6	4.3	-168.74	-6.7	31.0	128.3	119.8	8.47	15.146	
2,100.0	2,092.7	2,097.6	2,097.0	4.9	4.5	-166.40	-15.3	32.3	138.3	129.4	8.89	15.564	
2,200.0	2,191.8	2,197.5	2,196.2	5.2	4.7	-163.30	-26.7	34.0	147.8	138.4	9.33	15.841	
2,300.0	2,291.0	2,296.7	2,294.8	5.6	4.9	-160.47	-38.4	35.8	157.5	147.7	9.79	16.088	
2,400.0	2,390.1	2,395.9	2,393.3	5.9	5.1	-157.98	-50.0	37.6	167.6	157.4	10.27	16.316	
2,500.0	2,489.3	2,495.2	2,491.8	6.2	5.3	-155.77	-61.7	39.4	178.0	167.2	10.77	16.524	
2,600.0	2,588.4	2,594.4	2,590.4	6.5	5.6	-153.81	-73.4	41.2	188.6	177.3	11.29	16.713	
2,700.0	2,687.6	2,693.6	2,688.9	6.8	5.8	-152.06	-85.1	42.9	199.4	187.6	11.81	16.884	
2,800.0	2,786.7	2,792.9	2,787.4	7.2	6.1	-150.48	-96.8	44.7	210.4	198.1	12.35	17.040	
2,900.0	2,885.8	2,892.1	2,886.0	7.5	6.3	-149.07	-108.4	46.5	221.5	208.6	12.89	17.181	
3,000.0	2,985.0	2,991.4	2,984.5	7.8	6.6	-147.79	-120.1	48.3	232.8	219.3	13.45	17.310	
3,100.0	3,084.1	3,090.6	3,083.0	8.1	6.8	-146.63	-131.8	50.1	244.1	230.1	14.01	17.427	
3,200.0	3,183.3	3,189.8	3,181.6	8.5	7.1	-145.57	-143.5	51.9	255.5	241.0	14.57	17.535	
3,300.0	3,282.4	3,289.1	3,280.1	8.8	7.4	-144.60	-155.2	53.6	267.0	251.9	15.14	17.633	
3,400.0	3,381.6	3,388.3	3,378.6	9.1	7.7	-143.71	-166.8	55.4	278.6	262.9	15.72	17.724	
3,500.0	3,480.7	3,487.5	3,477.2	9.5	8.0	-142.90	-178.5	57.2	290.3	274.0	16.30	17.807	
3,600.0	3,579.8	3,586.8	3,575.7	9.8	8.2	-142.14	-190.2	59.0	302.0	285.1	16.88	17.884	
3,700.0	3,679.0	3,686.3	3,674.5	10.1	8.5	-141.47	-201.9	60.8	313.3	295.8	17.46	17.942	
3,800.0	3,778.6	3,787.3	3,775.1	10.3	8.8	-140.92	-211.5	62.2	322.0	304.0	17.95	17.940	
3,900.0	3,878.4	3,888.8	3,876.3	10.5	9.0	-140.59	-217.6	63.2	327.5	309.1	18.38	17.816	
4,000.0	3,978.4	3,990.5	3,978.0	10.7	9.2	-140.45	-220.1	63.6	329.8	311.0	18.76	17.577	
4,100.0	4,078.4	4,090.9	4,078.4	10.8	9.4	89.88	-220.2	63.6	329.9	310.7	19.12	17.250	
4,200.0	4,178.4	4,190.9	4,178.4	11.0	9.6	89.88	-220.2	63.6	329.9	310.4	19.49	16.927	
4,300.0	4,278.4	4,290.9	4,278.4	11.2	9.8	89.88	-220.2	63.6	329.9	310.0	19.86	16.613	
4,400.0	4,378.4	4,390.9	4,378.4	11.3	10.0	89.88	-220.2	63.6	329.9	309.6	20.23	16.308	
4,500.0	4,478.4	4,490.9	4,478.4	11.5	10.2	89.88	-220.2	63.6	329.9	309.3	20.60	16.011	
4,600.0	4,578.4	4,590.9	4,578.4	11.7	10.4	89.88	-220.2	63.6	329.9	308.9	20.98	15.723	
4,700.0	4,678.4	4,690.9	4,678.4	11.8	10.5	89.88	-220.2	63.6	329.9	308.5	21.36	15.443	
4,800.0	4,778.4	4,790.9	4,778.4	12.0	10.7	89.88	-220.2	63.6	329.9	308.1	21.74	15.171	
4,900.0	4,878.4	4,890.9	4,878.4	12.2	10.9	89.88	-220.2	63.6	329.9	307.7	22.13	14.907	
5,000.0	4,978.4	4,990.9	4,978.4	12.4	11.1	89.88	-220.2	63.6	329.9	307.3	22.52	14.650	
5,100.0	5,078.4	5,090.9	5,078.4	12.6	11.3	89.88	-220.2	63.6	329.9	307.0	22.91	14.401	

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-2N
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-24-2N	**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	5,178.4	5,190.9	5,178.4	12.7	11.5	89.88	-220.2	63.6	329.9	306.6	23.30	14.158	
5,300.0	5,278.4	5,290.9	5,278.4	12.9	11.7	89.88	-220.2	63.6	329.9	306.2	23.69	13.923	
5,400.0	5,378.4	5,390.9	5,378.4	13.1	11.9	89.88	-220.2	63.6	329.9	305.8	24.09	13.694	
5,500.0	5,478.4	5,490.9	5,478.4	13.3	12.1	89.88	-220.2	63.6	329.9	305.4	24.49	13.471	
5,600.0	5,578.4	5,590.9	5,578.4	13.5	12.3	89.88	-220.2	63.6	329.9	305.0	24.89	13.255	
5,700.0	5,678.4	5,690.9	5,678.4	13.6	12.6	89.88	-220.2	63.6	329.9	304.6	25.29	13.044	
5,800.0	5,778.4	5,790.9	5,778.4	13.8	12.8	89.88	-220.2	63.6	329.9	304.2	25.69	12.840	
5,900.0	5,878.4	5,890.9	5,878.4	14.0	13.0	89.88	-220.2	63.6	329.9	303.8	26.10	12.641	
6,000.0	5,978.4	5,990.9	5,978.4	14.2	13.2	89.88	-220.2	63.6	329.9	303.4	26.50	12.447	
6,100.0	6,078.4	6,090.9	6,078.4	14.4	13.4	89.88	-220.2	63.6	329.9	303.0	26.91	12.258	
6,200.0	6,178.4	6,190.9	6,178.4	14.6	13.6	89.88	-220.2	63.6	329.9	302.5	27.32	12.075	
6,300.0	6,278.4	6,290.9	6,278.4	14.8	13.8	89.88	-220.2	63.6	329.9	302.1	27.73	11.897	
6,400.0	6,378.4	6,390.9	6,378.4	15.0	14.0	89.88	-220.2	63.6	329.9	301.7	28.14	11.723	
6,500.0	6,478.4	6,490.9	6,478.4	15.2	14.2	89.88	-220.2	63.6	329.9	301.3	28.55	11.553	
6,600.0	6,578.4	6,590.9	6,578.4	15.4	14.4	89.88	-220.2	63.6	329.9	300.9	28.96	11.389	
6,700.0	6,678.0	6,690.5	6,677.6	15.5	14.6	89.64	-213.2	63.6	329.9	300.5	29.32	11.251	
6,800.0	6,774.5	6,790.1	6,773.8	15.6	14.7	89.66	-187.7	63.7	329.9	300.3	29.52	11.174	
6,900.0	6,864.3	6,889.8	6,863.3	15.7	14.8	89.69	-144.4	63.9	329.9	300.2	29.63	11.132	
7,000.0	6,944.1	6,989.5	6,943.1	15.7	14.8	89.73	-84.8	64.1	329.9	300.1	29.75	11.087	
7,100.0	7,011.0	7,089.2	7,010.0	15.7	15.0	89.78	-11.1	64.4	329.9	299.9	30.01	10.992	
7,200.0	7,062.6	7,189.0	7,061.8	15.8	15.2	89.84	74.0	64.8	329.9	299.3	30.52	10.808	
7,300.0	7,096.9	7,288.8	7,096.4	16.0	15.7	89.91	167.5	65.2	329.9	298.5	31.37	10.514	
7,400.0	7,112.7	7,388.8	7,112.5	16.5	16.3	89.98	266.0	65.6	329.9	297.3	32.59	10.120	
7,500.0	7,113.4	7,488.8	7,113.4	17.3	17.1	90.00	365.9	66.0	329.9	295.7	34.16	9.655	
7,600.0	7,112.9	7,588.8	7,112.9	18.3	18.0	90.00	465.9	66.4	329.9	293.8	36.07	9.146	
7,700.0	7,112.4	7,688.8	7,112.4	19.4	19.1	90.00	565.9	66.9	329.9	291.6	38.26	8.622	
7,800.0	7,112.0	7,788.8	7,112.0	20.6	20.3	90.00	665.9	67.3	329.9	289.2	40.69	8.106	
7,900.0	7,111.5	7,888.8	7,111.5	21.9	21.7	90.00	765.9	67.7	329.9	286.5	43.33	7.613	
8,000.0	7,111.0	7,988.8	7,111.0	23.3	23.1	90.00	865.9	68.1	329.9	283.7	46.13	7.150	
8,100.0	7,110.5	8,088.8	7,110.5	24.8	24.6	90.00	965.9	68.5	329.9	280.8	49.07	6.722	
8,200.0	7,110.1	8,188.8	7,110.1	26.3	26.1	90.00	1,065.9	69.0	329.9	277.7	52.13	6.327	
8,300.0	7,109.6	8,288.8	7,109.6	27.8	27.7	90.00	1,165.9	69.4	329.9	274.6	55.28	5.966	
8,400.0	7,109.1	8,388.8	7,109.1	29.4	29.3	90.00	1,265.9	69.8	329.9	271.3	58.52	5.637	
8,500.0	7,108.7	8,488.8	7,108.7	31.1	30.9	90.00	1,365.9	70.2	329.9	268.0	61.82	5.336	
8,600.0	7,108.2	8,588.8	7,108.2	32.8	32.6	90.00	1,465.9	70.6	329.8	264.7	65.18	5.061	
8,700.0	7,107.7	8,688.8	7,107.7	34.4	34.3	90.00	1,565.9	71.1	329.8	261.3	68.59	4.809	
8,800.0	7,107.2	8,788.8	7,107.2	36.2	36.0	90.00	1,665.9	71.5	329.8	257.8	72.04	4.579	
8,900.0	7,106.8	8,888.8	7,106.8	37.9	37.8	90.00	1,765.9	71.9	329.8	254.3	75.53	4.367	
9,000.0	7,106.3	8,988.8	7,106.3	39.7	39.6	90.00	1,865.9	72.3	329.8	250.8	79.05	4.173	
9,100.0	7,105.8	9,088.8	7,105.8	41.4	41.3	90.00	1,965.9	72.7	329.8	247.3	82.59	3.994	
9,200.0	7,105.4	9,188.8	7,105.4	43.2	43.1	90.00	2,065.9	73.2	329.8	243.7	86.16	3.828	
9,300.0	7,104.9	9,288.8	7,104.9	45.0	44.9	90.00	2,165.9	73.6	329.8	240.1	89.75	3.675	
9,400.0	7,104.4	9,388.8	7,104.4	46.8	46.7	90.00	2,265.9	74.0	329.8	236.5	93.36	3.533	
9,500.0	7,103.9	9,488.8	7,104.0	48.6	48.5	90.00	2,365.9	74.4	329.8	232.9	96.99	3.401	
9,600.0	7,103.5	9,588.8	7,103.5	50.4	50.3	90.00	2,465.9	74.8	329.8	229.2	100.63	3.278	
9,700.0	7,103.0	9,688.8	7,103.0	52.2	52.2	90.00	2,565.9	75.3	329.8	225.6	104.29	3.163	
9,800.0	7,102.5	9,788.8	7,102.5	54.1	54.0	90.00	2,665.9	75.7	329.8	221.9	107.96	3.055	
9,900.0	7,102.1	9,888.8	7,102.1	55.9	55.9	90.00	2,765.9	76.1	329.8	218.2	111.63	2.955	
10,000.0	7,101.6	9,988.8	7,101.6	57.7	57.7	90.00	2,865.9	76.5	329.8	214.5	115.32	2.860	
10,100.0	7,101.1	10,088.8	7,101.1	59.6	59.5	90.00	2,965.9	76.9	329.8	210.8	119.02	2.771	
10,200.0	7,100.7	10,188.8	7,100.7	61.4	61.4	90.00	3,065.9	77.4	329.8	207.1	122.72	2.688	
10,300.0	7,100.2	10,288.8	7,100.2	63.3	63.3	90.00	3,165.9	77.8	329.8	203.4	126.43	2.609	

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-2N
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-24-2N	**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	7,099.7	10,388.8	7,099.7	65.1	65.1	90.00	3,265.9	78.2	329.8	199.7	130.15	2.534	
10,500.0	7,099.2	10,488.8	7,099.2	67.0	67.0	90.00	3,365.9	78.6	329.8	196.0	133.88	2.464	
10,600.0	7,098.8	10,588.8	7,098.8	68.9	68.8	90.00	3,465.9	79.0	329.8	192.2	137.61	2.397	
10,700.0	7,098.3	10,688.8	7,098.3	70.7	70.7	90.00	3,565.9	79.5	329.8	188.5	141.35	2.334	
10,800.0	7,097.8	10,788.8	7,097.8	72.6	72.6	90.00	3,665.9	79.9	329.8	184.8	145.09	2.273	
10,900.0	7,097.4	10,888.8	7,097.4	74.5	74.5	90.00	3,765.9	80.3	329.8	181.0	148.83	2.216	
11,000.0	7,096.9	10,988.8	7,096.9	76.3	76.3	90.00	3,865.9	80.7	329.8	177.3	152.58	2.162	
11,100.0	7,096.4	11,088.8	7,096.4	78.2	78.2	90.00	3,965.9	81.1	329.8	173.5	156.33	2.110	
11,200.0	7,095.9	11,188.8	7,095.9	80.1	80.1	90.00	4,065.9	81.5	329.8	169.7	160.09	2.060	
11,300.0	7,095.5	11,288.8	7,095.5	82.0	82.0	90.00	4,165.9	82.0	329.8	166.0	163.85	2.013	
11,400.0	7,095.0	11,388.8	7,095.0	83.8	83.8	90.00	4,265.9	82.4	329.8	162.2	167.61	1.968	
11,500.0	7,094.5	11,488.8	7,094.5	85.7	85.7	90.00	4,365.9	82.8	329.8	158.5	171.38	1.925	
11,600.0	7,094.1	11,588.8	7,094.1	87.6	87.6	90.00	4,465.9	83.2	329.8	154.7	175.15	1.883	
11,700.0	7,093.6	11,688.8	7,093.6	89.5	89.5	90.00	4,565.9	83.6	329.8	150.9	178.92	1.843	
11,717.3	7,093.5	11,706.1	7,093.5	89.8	89.8	90.00	4,583.2	83.7	329.8	150.3	179.51	1.837 SF	

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-2N
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-24-2N	**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	90.02	0.0	45.1	45.1				
100.0	100.0	100.0	100.0	0.1	0.1	90.02	0.0	45.1	45.1	44.9	0.22	200.593	
200.0	200.0	200.0	200.0	0.3	0.3	90.02	0.0	45.1	45.1	44.4	0.67	66.864	
300.0	300.0	300.0	300.0	0.6	0.6	90.02	0.0	45.1	45.1	44.0	1.12	40.119	
400.0	400.0	400.0	400.0	0.8	0.8	90.02	0.0	45.1	45.1	43.5	1.57	28.656	
500.0	500.0	500.0	500.0	1.0	1.0	90.02	0.0	45.1	45.1	43.1	2.02	22.288	
600.0	600.0	600.0	600.0	1.2	1.2	90.02	0.0	45.1	45.1	42.6	2.47	18.236	
700.0	700.0	700.0	700.0	1.5	1.5	90.02	0.0	45.1	45.1	42.2	2.92	15.430	
800.0	800.0	800.0	800.0	1.7	1.7	90.02	0.0	45.1	45.1	41.7	3.37	13.373	
900.0	900.0	900.0	900.0	1.9	1.9	90.02	0.0	45.1	45.1	41.3	3.82	11.800	
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	90.02	0.0	45.1	45.1	40.8	4.27	10.558	CC, ES
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.4	-141.67	0.0	45.1	46.4	41.7	4.70	9.890	
1,200.0	1,199.8	1,199.8	1,199.8	2.5	2.6	-145.29	0.0	45.1	50.7	45.6	5.10	9.928	
1,300.0	1,299.5	1,299.5	1,299.5	2.7	2.8	-150.12	0.0	45.1	58.0	52.5	5.51	10.530	
1,400.0	1,398.7	1,398.7	1,398.7	3.0	3.0	-155.06	0.0	45.1	68.8	62.9	5.93	11.609	
1,500.0	1,497.9	1,497.9	1,497.9	3.2	3.3	-158.97	0.0	45.1	80.8	74.5	6.35	12.727	
1,600.0	1,597.0	1,597.0	1,597.0	3.5	3.5	-161.85	0.0	45.1	93.2	86.4	6.78	13.734	
1,700.0	1,696.1	1,696.1	1,696.1	3.7	3.7	-164.06	0.0	45.1	105.7	98.5	7.22	14.637	
1,800.0	1,795.3	1,795.3	1,795.3	4.0	3.9	-165.80	0.0	45.1	118.3	110.7	7.66	15.446	
1,900.0	1,894.4	1,894.4	1,894.4	4.3	4.1	-167.20	0.0	45.1	131.0	122.9	8.10	16.173	
2,000.0	1,993.6	1,993.6	1,993.6	4.6	4.4	-168.35	0.0	45.1	143.8	135.3	8.55	16.828	
2,100.0	2,092.7	2,091.7	2,091.7	4.9	4.6	-168.78	-1.1	46.0	156.9	148.0	8.97	17.495	
2,200.0	2,191.8	2,189.6	2,189.5	5.2	4.7	-168.02	-4.8	49.1	170.7	161.3	9.38	18.203	
2,300.0	2,291.0	2,287.1	2,286.6	5.6	4.9	-166.37	-11.1	54.3	185.3	175.5	9.80	18.907	
2,400.0	2,390.1	2,384.2	2,383.1	5.9	5.1	-164.06	-19.7	61.5	200.9	190.7	10.24	19.611	
2,500.0	2,489.3	2,482.6	2,480.6	6.2	5.3	-161.78	-29.3	69.5	217.1	206.4	10.71	20.275	
2,600.0	2,588.4	2,580.9	2,578.2	6.5	5.6	-159.82	-39.0	77.5	233.6	222.4	11.19	20.885	
2,700.0	2,687.6	2,679.2	2,675.7	6.8	5.8	-158.11	-48.6	85.5	250.4	238.7	11.68	21.443	
2,800.0	2,786.7	2,777.6	2,773.2	7.2	6.0	-156.62	-58.2	93.5	267.3	255.1	12.18	21.953	
2,900.0	2,885.8	2,875.9	2,870.8	7.5	6.3	-155.31	-67.8	101.5	284.4	271.7	12.68	22.420	
3,000.0	2,985.0	2,974.2	2,968.3	7.8	6.5	-154.15	-77.4	109.6	301.6	288.4	13.20	22.848	
3,100.0	3,084.1	3,072.6	3,065.8	8.1	6.8	-153.11	-87.0	117.6	318.9	305.2	13.72	23.241	
3,200.0	3,183.3	3,170.9	3,163.4	8.5	7.1	-152.18	-96.6	125.6	336.3	322.1	14.25	23.602	
3,300.0	3,282.4	3,269.2	3,260.9	8.8	7.3	-151.34	-106.3	133.6	353.8	339.0	14.78	23.934	
3,400.0	3,381.6	3,367.6	3,358.4	9.1	7.6	-150.58	-115.9	141.6	371.4	356.0	15.32	24.241	
3,500.0	3,480.7	3,465.9	3,456.0	9.5	7.9	-149.89	-125.5	149.6	389.0	373.1	15.86	24.525	
3,600.0	3,579.8	3,564.2	3,553.5	9.8	8.2	-149.26	-135.1	157.6	406.6	390.2	16.40	24.788	
3,700.0	3,679.0	3,662.6	3,651.1	10.1	8.5	-148.74	-144.7	165.6	423.9	407.0	16.95	25.008	
3,800.0	3,778.6	3,761.4	3,749.0	10.3	8.8	-148.11	-154.4	173.6	438.6	421.2	17.46	25.119	
3,900.0	3,878.4	3,860.4	3,847.2	10.5	9.1	-147.26	-164.1	181.7	450.5	432.6	17.96	25.090	
4,000.0	3,978.4	3,959.5	3,945.6	10.7	9.4	-146.20	-173.7	189.8	459.6	441.2	18.43	24.940	
4,100.0	4,078.4	4,058.7	4,044.0	10.8	9.7	85.39	-183.4	197.9	466.9	448.0	18.91	24.699	
4,200.0	4,178.4	4,157.9	4,142.3	11.0	10.0	86.64	-193.1	205.9	474.4	455.0	19.38	24.479	
4,300.0	4,278.4	4,257.7	4,241.3	11.2	10.3	87.85	-202.9	214.1	482.1	462.3	19.86	24.282	
4,400.0	4,378.4	4,368.8	4,351.8	11.3	10.5	88.95	-211.9	221.6	488.7	468.4	20.31	24.058	
4,500.0	4,478.4	4,480.7	4,463.4	11.5	10.8	89.63	-217.7	226.4	492.9	472.2	20.74	23.764	
4,600.0	4,578.4	4,593.0	4,575.7	11.7	11.0	89.91	-220.1	228.4	494.7	473.6	21.15	23.391	
4,700.0	4,678.4	4,695.7	4,678.4	11.8	11.2	89.92	-220.2	228.5	494.8	473.3	21.53	22.981	
4,800.0	4,778.4	4,795.7	4,778.4	12.0	11.4	89.92	-220.2	228.5	494.8	472.9	21.91	22.585	
4,900.0	4,878.4	4,895.7	4,878.4	12.2	11.6	89.92	-220.2	228.5	494.8	472.5	22.29	22.199	
5,000.0	4,978.4	4,995.7	4,978.4	12.4	11.8	89.92	-220.2	228.5	494.8	472.1	22.67	21.823	
5,100.0	5,078.4	5,095.7	5,078.4	12.6	11.9	89.92	-220.2	228.5	494.8	471.7	23.06	21.458	

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-24-2N
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-24-2N	**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	5,178.4	5,195.7	5,178.4	12.7	12.1	89.92	-220.2	228.5	494.8	471.3	23.45	21.103	
5,300.0	5,278.4	5,295.7	5,278.4	12.9	12.3	89.92	-220.2	228.5	494.8	471.0	23.84	20.758	
5,400.0	5,378.4	5,395.7	5,378.4	13.1	12.5	89.92	-220.2	228.5	494.8	470.6	24.23	20.422	
5,500.0	5,478.4	5,495.7	5,478.4	13.3	12.7	89.92	-220.2	228.5	494.8	470.2	24.62	20.095	
5,600.0	5,578.4	5,595.7	5,578.4	13.5	12.9	89.92	-220.2	228.5	494.8	469.8	25.02	19.777	
5,700.0	5,678.4	5,695.7	5,678.4	13.6	13.1	89.92	-220.2	228.5	494.8	469.4	25.42	19.467	
5,800.0	5,778.4	5,795.7	5,778.4	13.8	13.3	89.92	-220.2	228.5	494.8	469.0	25.82	19.166	
5,900.0	5,878.4	5,895.7	5,878.4	14.0	13.5	89.92	-220.2	228.5	494.8	468.6	26.22	18.873	
6,000.0	5,978.4	5,995.7	5,978.4	14.2	13.7	89.92	-220.2	228.5	494.8	468.2	26.62	18.587	
6,100.0	6,078.4	6,095.7	6,078.4	14.4	13.9	89.92	-220.2	228.5	494.8	467.8	27.02	18.309	
6,200.0	6,178.4	6,195.7	6,178.4	14.6	14.1	89.92	-220.2	228.5	494.8	467.4	27.43	18.039	
6,300.0	6,278.4	6,295.7	6,278.4	14.8	14.3	89.92	-220.2	228.5	494.8	467.0	27.84	17.775	
6,400.0	6,378.4	6,395.7	6,378.4	15.0	14.5	89.92	-220.2	228.5	494.8	466.5	28.24	17.518	
6,500.0	6,478.4	6,495.7	6,478.4	15.2	14.7	89.92	-220.2	228.5	494.8	466.1	28.65	17.268	
6,600.0	6,578.4	6,595.7	6,578.4	15.4	14.9	89.92	-220.2	228.5	494.8	465.7	29.06	17.024	
6,658.0	6,636.3	6,653.6	6,636.3	15.5	15.0	90.00	-220.2	228.5	494.8	465.5	29.29	16.893	
6,700.0	6,678.0	6,695.3	6,678.0	15.5	15.1	90.48	-220.2	228.5	494.8	465.3	29.45	16.801	
6,800.0	6,774.5	6,791.8	6,774.5	15.6	15.3	93.25	-220.2	228.5	495.7	465.9	29.76	16.658	
6,900.0	6,864.3	6,892.7	6,875.0	15.7	15.5	97.23	-213.6	228.5	499.4	469.5	29.95	16.675	
7,000.0	6,944.1	7,004.1	6,982.3	15.7	15.6	101.20	-184.4	228.6	505.8	475.8	29.97	16.877	
7,100.0	7,011.0	7,127.1	7,090.5	15.7	15.7	104.91	-126.6	228.9	513.9	484.1	29.87	17.208	
7,200.0	7,062.6	7,263.1	7,190.7	15.8	15.7	108.15	-35.2	229.3	522.4	492.6	29.82	17.517	
7,300.0	7,096.9	7,412.0	7,269.3	16.0	15.8	110.60	90.8	229.8	529.4	499.3	30.17	17.551	
7,400.0	7,112.7	7,570.7	7,310.3	16.5	16.6	111.87	243.4	230.5	533.3	502.0	31.25	17.066	
7,500.0	7,113.4	7,693.3	7,313.2	17.3	17.6	111.99	365.9	231.0	533.6	500.8	32.82	16.262	
7,600.0	7,112.9	7,793.3	7,312.9	18.3	18.5	112.01	465.9	231.4	533.7	499.1	34.57	15.437	
7,700.0	7,112.4	7,893.3	7,312.5	19.4	19.6	112.02	565.9	231.8	533.7	497.2	36.59	14.585	
7,800.0	7,112.0	7,993.3	7,312.2	20.6	20.8	112.03	665.9	232.3	533.8	495.0	38.84	13.742	
7,900.0	7,111.5	8,093.3	7,311.8	21.9	22.1	112.04	765.9	232.7	533.8	492.6	41.28	12.931	
8,000.0	7,111.0	8,193.3	7,311.5	23.3	23.5	112.05	865.9	233.1	533.9	490.0	43.88	12.167	
8,100.0	7,110.5	8,293.3	7,311.1	24.8	24.9	112.06	965.9	233.5	533.9	487.3	46.61	11.456	
8,200.0	7,110.1	8,393.3	7,310.8	26.3	26.4	112.08	1,065.9	234.0	534.0	484.6	49.45	10.799	
8,300.0	7,109.6	8,493.3	7,310.4	27.8	28.0	112.09	1,165.9	234.4	534.0	481.7	52.38	10.196	
8,400.0	7,109.1	8,593.3	7,310.1	29.4	29.6	112.10	1,265.9	234.8	534.1	478.7	55.38	9.644	
8,500.0	7,108.7	8,693.3	7,309.7	31.1	31.2	112.11	1,365.9	235.2	534.2	475.7	58.45	9.138	
8,600.0	7,108.2	8,793.3	7,309.4	32.8	32.9	112.12	1,465.9	235.7	534.2	472.6	61.58	8.675	
8,700.0	7,107.7	8,893.3	7,309.0	34.4	34.6	112.14	1,565.9	236.1	534.3	469.5	64.75	8.250	
8,800.0	7,107.2	8,993.3	7,308.7	36.2	36.3	112.15	1,665.9	236.5	534.3	466.3	67.97	7.861	
8,900.0	7,106.8	9,093.3	7,308.3	37.9	38.0	112.16	1,765.9	236.9	534.4	463.1	71.22	7.503	
9,000.0	7,106.3	9,193.3	7,308.0	39.7	39.8	112.17	1,865.9	237.4	534.4	459.9	74.50	7.174	
9,100.0	7,105.8	9,293.3	7,307.6	41.4	41.5	112.18	1,965.9	237.8	534.5	456.7	77.80	6.870	
9,200.0	7,105.4	9,393.3	7,307.3	43.2	43.3	112.20	2,065.9	238.2	534.5	453.4	81.13	6.588	
9,300.0	7,104.9	9,493.3	7,306.9	45.0	45.1	112.21	2,165.9	238.6	534.6	450.1	84.48	6.328	
9,400.0	7,104.4	9,593.3	7,306.6	46.8	46.9	112.22	2,265.9	239.1	534.6	446.8	87.84	6.086	
9,500.0	7,103.9	9,693.3	7,306.2	48.6	48.7	112.23	2,365.9	239.5	534.7	443.4	91.23	5.861	
9,600.0	7,103.5	9,793.3	7,305.9	50.4	50.5	112.24	2,465.9	239.9	534.7	440.1	94.62	5.651	
9,700.0	7,103.0	9,893.3	7,305.5	52.2	52.3	112.26	2,565.9	240.3	534.8	436.7	98.03	5.455	
9,800.0	7,102.5	9,993.3	7,305.2	54.1	54.2	112.27	2,665.9	240.8	534.8	433.4	101.45	5.272	
9,900.0	7,102.1	10,093.3	7,304.8	55.9	56.0	112.28	2,765.9	241.2	534.9	430.0	104.88	5.100	
10,000.0	7,101.6	10,193.3	7,304.5	57.7	57.8	112.29	2,865.9	241.6	534.9	426.6	108.32	4.938	
10,100.0	7,101.1	10,293.3	7,304.1	59.6	59.7	112.30	2,965.9	242.0	535.0	423.2	111.77	4.786	
10,200.0	7,100.7	10,393.3	7,303.8	61.4	61.5	112.32	3,065.9	242.5	535.0	419.8	115.22	4.643	

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-2N
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-24-2N	**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	7,100.2	10,493.3	7,303.4	63.3	63.4	112.33	3,165.9	242.9	535.1	416.4	118.69	4.508	
10,400.0	7,099.7	10,593.3	7,303.1	65.1	65.2	112.34	3,265.9	243.3	535.1	413.0	122.15	4.381	
10,500.0	7,099.2	10,693.3	7,302.7	67.0	67.1	112.35	3,365.9	243.7	535.2	409.5	125.63	4.260	
10,600.0	7,098.8	10,793.3	7,302.4	68.9	68.9	112.36	3,465.9	244.2	535.2	406.1	129.10	4.146	
10,700.0	7,098.3	10,893.3	7,302.0	70.7	70.8	112.37	3,565.9	244.6	535.3	402.7	132.59	4.037	
10,800.0	7,097.8	10,993.3	7,301.7	72.6	72.7	112.39	3,665.9	245.0	535.3	399.3	136.07	3.934	
10,900.0	7,097.4	11,093.3	7,301.4	74.5	74.5	112.40	3,765.9	245.4	535.4	395.8	139.57	3.836	
11,000.0	7,096.9	11,193.3	7,301.0	76.3	76.4	112.41	3,865.9	245.9	535.4	392.4	143.06	3.743	
11,100.0	7,096.4	11,293.3	7,300.7	78.2	78.3	112.42	3,965.9	246.3	535.5	388.9	146.56	3.654	
11,200.0	7,095.9	11,393.3	7,300.3	80.1	80.2	112.43	4,065.9	246.7	535.5	385.5	150.06	3.569	
11,300.0	7,095.5	11,493.3	7,300.0	82.0	82.0	112.45	4,165.9	247.1	535.6	382.0	153.56	3.488	
11,400.0	7,095.0	11,593.3	7,299.6	83.8	83.9	112.46	4,265.9	247.6	535.6	378.6	157.07	3.410	
11,500.0	7,094.5	11,693.3	7,299.3	85.7	85.8	112.47	4,365.9	248.0	535.7	375.1	160.58	3.336	
11,600.0	7,094.1	11,793.3	7,298.9	87.6	87.7	112.48	4,465.9	248.4	535.7	371.7	164.09	3.265	
11,700.0	7,093.6	11,893.3	7,298.6	89.5	89.6	112.49	4,565.9	248.8	535.8	368.2	167.60	3.197	
11,717.3	7,093.5	11,910.2	7,298.5	89.8	89.8	112.50	4,582.8	248.9	535.8	367.7	168.10	3.187	SF

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-2N
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-24-2N	**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	90.06	-0.1	59.9	59.9				
100.0	100.0	100.0	100.0	0.1	0.1	90.06	-0.1	59.9	59.9	59.7	0.22	266.626	
200.0	200.0	200.0	200.0	0.3	0.3	90.06	-0.1	59.9	59.9	59.3	0.67	88.875	
300.0	300.0	300.0	300.0	0.6	0.6	90.06	-0.1	59.9	59.9	58.8	1.12	53.325	
400.0	400.0	400.0	400.0	0.8	0.8	90.06	-0.1	59.9	59.9	58.4	1.57	38.089	
500.0	500.0	500.0	500.0	1.0	1.0	90.06	-0.1	59.9	59.9	57.9	2.02	29.625	
600.0	600.0	600.0	600.0	1.2	1.2	90.06	-0.1	59.9	59.9	57.5	2.47	24.239	
700.0	700.0	700.0	700.0	1.5	1.5	90.06	-0.1	59.9	59.9	57.0	2.92	20.510	
800.0	800.0	800.0	800.0	1.7	1.7	90.06	-0.1	59.9	59.9	56.6	3.37	17.775	
900.0	900.0	900.0	900.0	1.9	1.9	90.06	-0.1	59.9	59.9	56.1	3.82	15.684	
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	90.06	-0.1	59.9	59.9	55.7	4.27	14.033	CC, ES
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.4	-141.29	-0.1	59.9	61.3	56.6	4.70	13.050	
1,200.0	1,199.8	1,199.8	1,199.8	2.5	2.6	-144.11	-0.1	59.9	65.4	60.3	5.10	12.828	
1,300.0	1,299.5	1,299.5	1,299.5	2.7	2.8	-148.06	-0.1	59.9	72.7	67.2	5.51	13.188	
1,400.0	1,398.7	1,398.7	1,398.7	3.0	3.0	-152.39	-0.1	59.9	83.2	77.3	5.93	14.037	
1,500.0	1,497.9	1,495.7	1,495.7	3.2	3.2	-155.24	-0.9	61.3	96.1	89.7	6.33	15.170	
1,600.0	1,597.0	1,592.3	1,592.1	3.5	3.4	-156.10	-3.6	65.3	111.3	104.5	6.73	16.528	
1,700.0	1,696.1	1,688.1	1,687.7	3.7	3.6	-155.64	-8.0	72.0	128.7	121.5	7.15	18.003	
1,800.0	1,795.3	1,783.1	1,782.0	4.0	3.8	-154.35	-14.1	81.3	148.2	140.6	7.58	19.560	
1,900.0	1,894.4	1,879.9	1,877.8	4.3	4.0	-152.76	-21.6	92.7	169.5	161.4	8.03	21.103	
2,000.0	1,993.6	1,977.5	1,974.4	4.6	4.3	-151.48	-29.2	104.2	190.9	182.4	8.50	22.467	
2,100.0	2,092.7	2,075.1	2,071.0	4.9	4.5	-150.46	-36.8	115.8	212.4	203.4	8.97	23.668	
2,200.0	2,191.8	2,172.7	2,167.6	5.2	4.8	-149.63	-44.4	127.3	233.9	224.5	9.46	24.727	
2,300.0	2,291.0	2,270.3	2,264.2	5.6	5.1	-148.94	-52.0	138.9	255.5	245.5	9.96	25.665	
2,400.0	2,390.1	2,367.9	2,360.8	5.9	5.4	-148.36	-59.6	150.4	277.1	266.7	10.46	26.499	
2,500.0	2,489.3	2,465.5	2,457.5	6.2	5.7	-147.86	-67.2	162.0	298.8	287.8	10.97	27.244	
2,600.0	2,588.4	2,563.1	2,554.1	6.5	6.0	-147.43	-74.9	173.5	320.4	308.9	11.48	27.911	
2,700.0	2,687.6	2,660.7	2,650.7	6.8	6.3	-147.05	-82.5	185.1	342.1	330.1	12.00	28.511	
2,800.0	2,786.7	2,758.3	2,747.3	7.2	6.6	-146.72	-90.1	196.6	363.8	351.2	12.52	29.053	
2,900.0	2,885.8	2,855.9	2,843.9	7.5	6.9	-146.43	-97.7	208.2	385.4	372.4	13.05	29.545	
3,000.0	2,985.0	2,953.5	2,940.5	7.8	7.2	-146.16	-105.3	219.7	407.1	393.6	13.58	29.992	
3,100.0	3,084.1	3,051.1	3,037.1	8.1	7.5	-145.93	-112.9	231.3	428.9	414.7	14.11	30.400	
3,200.0	3,183.3	3,148.7	3,133.8	8.5	7.9	-145.71	-120.5	242.8	450.6	435.9	14.64	30.774	
3,300.0	3,282.4	3,246.3	3,230.4	8.8	8.2	-145.52	-128.1	254.4	472.3	457.1	15.18	31.117	
3,400.0	3,381.6	3,343.9	3,327.0	9.1	8.5	-145.34	-135.7	265.9	494.0	478.3	15.72	31.433	
3,500.0	3,480.7	3,441.5	3,423.6	9.5	8.8	-145.18	-143.3	277.5	515.7	499.5	16.26	31.725	
3,600.0	3,579.8	3,539.1	3,520.2	9.8	9.2	-145.03	-150.9	289.0	537.5	520.7	16.80	31.995	
3,700.0	3,679.0	3,636.8	3,616.9	10.1	9.5	-145.00	-158.5	300.6	558.8	541.5	17.35	32.216	
3,800.0	3,778.6	3,734.9	3,714.1	10.3	9.8	-144.88	-166.2	312.2	577.6	559.8	17.85	32.355	
3,900.0	3,878.4	3,833.5	3,811.7	10.5	10.2	-144.55	-173.9	323.9	593.7	575.4	18.34	32.372	
4,000.0	3,978.4	3,932.3	3,909.5	10.7	10.5	-144.03	-181.6	335.6	607.0	588.2	18.80	32.284	
4,100.0	4,078.4	4,031.3	4,007.5	10.8	10.8	87.05	-189.3	347.3	618.5	599.2	19.26	32.111	
4,200.0	4,178.4	4,130.3	4,105.5	11.0	11.2	87.81	-197.0	359.0	630.0	610.3	19.71	31.958	
4,300.0	4,278.4	4,231.4	4,205.6	11.2	11.5	88.56	-204.9	370.9	641.6	621.4	20.17	31.814	
4,400.0	4,378.4	4,353.5	4,326.9	11.3	11.8	89.27	-212.7	382.8	651.2	630.6	20.62	31.580	
4,500.0	4,478.4	4,476.6	4,449.6	11.5	12.1	89.72	-217.7	390.4	657.4	636.3	21.04	31.237	
4,600.0	4,578.4	4,600.3	4,573.2	11.7	12.3	89.90	-219.8	393.6	659.9	638.5	21.45	30.763	
4,700.0	4,678.4	4,705.4	4,678.4	11.8	12.5	89.91	-219.9	393.7	660.0	638.2	21.83	30.236	
4,800.0	4,778.4	4,805.4	4,778.4	12.0	12.7	89.91	-219.9	393.7	660.0	637.8	22.20	29.732	
4,900.0	4,878.4	4,905.4	4,878.4	12.2	12.8	89.91	-219.9	393.7	660.0	637.5	22.57	29.240	
5,000.0	4,978.4	5,005.4	4,978.4	12.4	13.0	89.91	-219.9	393.7	660.0	637.1	22.95	28.761	
5,100.0	5,078.4	5,105.4	5,078.4	12.6	13.2	89.91	-219.9	393.7	660.0	636.7	23.33	28.295	

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-24-2N
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-24-2N	**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	5,178.4	5,205.4	5,178.4	12.7	13.3	89.91	-219.9	393.7	660.0	636.3	23.71	27.840	
5,300.0	5,278.4	5,305.4	5,278.4	12.9	13.5	89.91	-219.9	393.7	660.0	635.9	24.09	27.397	
5,400.0	5,378.4	5,405.4	5,378.4	13.1	13.7	89.91	-219.9	393.7	660.0	635.6	24.48	26.966	
5,500.0	5,478.4	5,505.4	5,478.4	13.3	13.9	89.91	-219.9	393.7	660.0	635.2	24.86	26.545	
5,600.0	5,578.4	5,605.4	5,578.4	13.5	14.0	89.91	-219.9	393.7	660.0	634.8	25.25	26.135	
5,700.0	5,678.4	5,705.4	5,678.4	13.6	14.2	89.91	-219.9	393.7	660.0	634.4	25.65	25.736	
5,800.0	5,778.4	5,805.4	5,778.4	13.8	14.4	89.91	-219.9	393.7	660.0	634.0	26.04	25.347	
5,900.0	5,878.4	5,905.4	5,878.4	14.0	14.6	89.91	-219.9	393.7	660.0	633.6	26.44	24.968	
6,000.0	5,978.4	6,005.4	5,978.4	14.2	14.8	89.91	-219.9	393.7	660.0	633.2	26.83	24.598	
6,100.0	6,078.4	6,105.4	6,078.4	14.4	15.0	89.91	-219.9	393.7	660.0	632.8	27.23	24.238	
6,200.0	6,178.4	6,205.4	6,178.4	14.6	15.1	89.91	-219.9	393.7	660.0	632.4	27.63	23.887	
6,300.0	6,278.4	6,305.4	6,278.4	14.8	15.3	89.91	-219.9	393.7	660.0	632.0	28.03	23.545	
6,400.0	6,378.4	6,405.4	6,378.4	15.0	15.5	89.91	-219.9	393.7	660.0	631.6	28.44	23.211	
6,500.0	6,478.4	6,505.4	6,478.4	15.2	15.7	89.91	-219.9	393.7	660.0	631.2	28.84	22.885	
6,600.0	6,578.4	6,605.4	6,578.4	15.4	15.9	89.91	-219.9	393.7	660.0	630.8	29.25	22.568	
6,700.0	6,678.0	6,704.8	6,677.4	15.5	16.1	89.67	-212.9	393.8	660.0	630.4	29.59	22.307	
6,800.0	6,774.5	6,804.1	6,773.2	15.6	16.2	89.69	-187.6	393.9	660.0	630.2	29.78	22.162	
6,900.0	6,864.3	6,903.5	6,862.6	15.7	16.2	89.72	-144.5	394.0	660.0	630.1	29.88	22.086	
7,000.0	6,944.1	7,002.9	6,942.2	15.7	16.2	89.75	-85.3	394.3	660.0	630.0	30.00	22.004	
7,100.0	7,011.0	7,102.4	7,009.2	15.7	16.3	89.80	-11.9	394.6	660.0	629.8	30.24	21.826	
7,200.0	7,062.6	7,202.0	7,061.1	15.8	16.3	89.85	73.0	395.0	660.0	629.3	30.74	21.472	
7,300.0	7,096.9	7,301.8	7,095.9	16.0	16.4	89.91	166.3	395.3	660.0	628.4	31.57	20.904	
7,400.0	7,112.7	7,401.6	7,112.4	16.5	16.8	89.98	264.6	395.8	660.0	627.2	32.78	20.137	
7,500.0	7,113.4	7,501.6	7,113.4	17.3	17.6	90.00	364.6	396.2	660.0	625.7	34.32	19.229	
7,600.0	7,112.9	7,601.6	7,112.9	18.3	18.6	90.00	464.6	396.6	660.0	623.8	36.21	18.229	
7,700.0	7,112.4	7,701.6	7,112.4	19.4	19.6	90.00	564.6	397.0	660.0	621.6	38.38	17.197	
7,800.0	7,112.0	7,801.6	7,112.0	20.6	20.8	90.00	664.6	397.4	660.0	619.2	40.80	16.177	
7,900.0	7,111.5	7,901.6	7,111.5	21.9	22.1	90.00	764.6	397.9	660.0	616.6	43.42	15.201	
8,000.0	7,111.0	8,001.6	7,111.0	23.3	23.5	90.00	864.6	398.3	660.0	613.8	46.21	14.283	
8,100.0	7,110.5	8,101.6	7,110.5	24.8	25.0	90.00	964.6	398.7	660.0	610.9	49.14	13.431	
8,200.0	7,110.1	8,201.6	7,110.1	26.3	26.5	90.00	1,064.6	399.1	660.0	607.8	52.19	12.647	
8,300.0	7,109.6	8,301.6	7,109.6	27.8	28.0	90.00	1,164.6	399.5	660.0	604.7	55.33	11.929	
8,400.0	7,109.1	8,401.6	7,109.1	29.4	29.6	90.00	1,264.6	399.9	660.0	601.4	58.55	11.272	
8,500.0	7,108.7	8,501.6	7,108.7	31.1	31.3	90.00	1,364.5	400.4	660.0	598.1	61.85	10.671	
8,600.0	7,108.2	8,601.6	7,108.2	32.8	32.9	90.00	1,464.5	400.8	660.0	594.8	65.20	10.123	
8,700.0	7,107.7	8,701.6	7,107.7	34.4	34.6	90.00	1,564.5	401.2	660.0	591.4	68.60	9.621	
8,800.0	7,107.2	8,801.6	7,107.2	36.2	36.3	90.00	1,664.5	401.6	660.0	587.9	72.05	9.160	
8,900.0	7,106.8	8,901.6	7,106.8	37.9	38.0	90.00	1,764.5	402.0	660.0	584.5	75.53	8.738	
9,000.0	7,106.3	9,001.6	7,106.3	39.7	39.8	90.00	1,864.5	402.5	660.0	580.9	79.04	8.350	
9,100.0	7,105.8	9,101.6	7,105.8	41.4	41.6	90.00	1,964.5	402.9	660.0	577.4	82.58	7.992	
9,200.0	7,105.4	9,201.6	7,105.4	43.2	43.3	90.00	2,064.5	403.3	660.0	573.8	86.15	7.661	
9,300.0	7,104.9	9,301.6	7,104.9	45.0	45.1	90.00	2,164.5	403.7	660.0	570.2	89.74	7.354	
9,400.0	7,104.4	9,401.6	7,104.4	46.8	46.9	90.00	2,264.5	404.1	660.0	566.6	93.35	7.070	
9,500.0	7,103.9	9,501.6	7,103.9	48.6	48.7	90.00	2,364.5	404.5	660.0	563.0	96.97	6.806	
9,600.0	7,103.5	9,601.6	7,103.5	50.4	50.5	90.00	2,464.5	405.0	660.0	559.4	100.61	6.560	
9,700.0	7,103.0	9,701.6	7,103.0	52.2	52.3	90.00	2,564.5	405.4	660.0	555.7	104.26	6.330	
9,800.0	7,102.5	9,801.6	7,102.5	54.1	54.2	90.00	2,664.5	405.8	660.0	552.1	107.93	6.115	
9,900.0	7,102.1	9,901.6	7,102.1	55.9	56.0	90.00	2,764.5	406.2	660.0	548.4	111.60	5.914	
10,000.0	7,101.6	10,001.6	7,101.6	57.7	57.8	90.00	2,864.5	406.6	660.0	544.7	115.29	5.725	
10,100.0	7,101.1	10,101.6	7,101.1	59.6	59.7	90.00	2,964.5	407.1	660.0	541.0	118.98	5.547	
10,200.0	7,100.7	10,201.6	7,100.7	61.4	61.5	90.00	3,064.5	407.5	660.0	537.3	122.68	5.379	
10,300.0	7,100.2	10,301.6	7,100.2	63.3	63.4	90.00	3,164.5	407.9	660.0	533.6	126.39	5.222	

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-2N
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-24-2N	**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
10,400.0	7,099.7	10,401.6	7,099.7	65.1	65.2	90.00	3,264.5	408.3	660.0	529.9	130.11	5.072	
10,500.0	7,099.2	10,501.6	7,099.2	67.0	67.1	90.00	3,364.5	408.7	660.0	526.1	133.83	4.931	
10,600.0	7,098.8	10,601.6	7,098.8	68.9	68.9	90.00	3,464.5	409.2	660.0	522.4	137.56	4.798	
10,700.0	7,098.3	10,701.6	7,098.3	70.7	70.8	90.00	3,564.5	409.6	660.0	518.7	141.30	4.671	
10,800.0	7,097.8	10,801.6	7,097.8	72.6	72.7	90.00	3,664.5	410.0	660.0	514.9	145.04	4.550	
10,900.0	7,097.4	10,901.6	7,097.4	74.5	74.5	90.00	3,764.5	410.4	660.0	511.2	148.78	4.436	
11,000.0	7,096.9	11,001.6	7,096.9	76.3	76.4	90.00	3,864.5	410.8	660.0	507.4	152.53	4.327	
11,100.0	7,096.4	11,101.6	7,096.4	78.2	78.3	90.00	3,964.5	411.2	660.0	503.7	156.28	4.223	
11,200.0	7,095.9	11,201.6	7,095.9	80.1	80.2	90.00	4,064.5	411.7	660.0	499.9	160.04	4.124	
11,300.0	7,095.5	11,301.6	7,095.5	82.0	82.0	90.00	4,164.5	412.1	660.0	496.2	163.79	4.029	
11,400.0	7,095.0	11,401.6	7,095.0	83.8	83.9	90.00	4,264.5	412.5	660.0	492.4	167.56	3.939	
11,500.0	7,094.5	11,501.6	7,094.5	85.7	85.8	90.00	4,364.5	412.9	660.0	488.6	171.32	3.852	
11,600.0	7,094.1	11,601.6	7,094.1	87.6	87.7	90.00	4,464.5	413.3	659.9	484.9	175.09	3.769	
11,700.0	7,093.6	11,701.6	7,093.6	89.5	89.6	90.00	4,564.5	413.8	659.9	481.1	178.85	3.690	
11,717.3	7,093.5	11,719.0	7,093.5	89.8	89.8	90.00	4,581.8	413.8	659.9	480.6	179.38	3.679	SF

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-2N
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-24-2N	**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	90.02	0.0	75.1	75.1				
100.0	100.0	100.0	100.0	0.1	0.1	90.02	0.0	75.1	75.1	74.8	0.22	333.906	
200.0	200.0	200.0	200.0	0.3	0.3	90.02	0.0	75.1	75.1	74.4	0.67	111.302	
300.0	300.0	300.0	300.0	0.6	0.6	90.02	0.0	75.1	75.1	73.9	1.12	66.781	
400.0	400.0	400.0	400.0	0.8	0.8	90.02	0.0	75.1	75.1	73.5	1.57	47.701	
500.0	500.0	500.0	500.0	1.0	1.0	90.02	0.0	75.1	75.1	73.0	2.02	37.101	
600.0	600.0	600.0	600.0	1.2	1.2	90.02	0.0	75.1	75.1	72.6	2.47	30.355	
700.0	700.0	700.0	700.0	1.5	1.5	90.02	0.0	75.1	75.1	72.1	2.92	25.685	
800.0	800.0	800.0	800.0	1.7	1.7	90.02	0.0	75.1	75.1	71.7	3.37	22.260	
900.0	900.0	900.0	900.0	1.9	1.9	90.02	0.0	75.1	75.1	71.2	3.82	19.642	
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	90.02	0.0	75.1	75.1	70.8	4.27	17.574	CC, ES
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.4	-141.12	0.0	75.1	76.4	71.7	4.70	16.269	
1,200.0	1,199.8	1,199.8	1,199.8	2.5	2.6	-143.41	0.0	75.1	80.5	75.4	5.10	15.786	
1,300.0	1,299.5	1,296.9	1,296.9	2.7	2.8	-146.08	-0.7	76.5	89.1	83.7	5.49	16.237	
1,400.0	1,398.7	1,393.0	1,392.8	3.0	3.0	-148.23	-2.7	81.0	103.6	97.7	5.88	17.634	
1,500.0	1,497.9	1,488.2	1,487.7	3.2	3.2	-149.31	-6.0	88.2	121.8	115.5	6.28	19.387	
1,600.0	1,597.0	1,582.4	1,581.2	3.5	3.4	-149.38	-10.6	98.3	142.7	136.0	6.70	21.284	
1,700.0	1,696.1	1,675.4	1,673.2	3.7	3.6	-148.83	-16.3	110.9	166.2	159.0	7.14	23.275	
1,800.0	1,795.3	1,770.7	1,767.1	4.0	3.9	-148.01	-23.1	125.9	191.7	184.1	7.60	25.234	
1,900.0	1,894.4	1,867.3	1,862.2	4.3	4.2	-147.35	-30.1	141.3	217.4	209.3	8.07	26.946	
2,000.0	1,993.6	1,963.9	1,957.3	4.6	4.5	-146.84	-37.0	156.6	243.1	234.5	8.55	28.440	
2,100.0	2,092.7	2,060.6	2,052.5	4.9	4.8	-146.42	-44.0	172.0	268.8	259.7	9.04	29.736	
2,200.0	2,191.8	2,157.2	2,147.6	5.2	5.1	-146.07	-51.0	187.3	294.5	285.0	9.54	30.883	
2,300.0	2,291.0	2,253.8	2,242.8	5.6	5.5	-145.78	-57.9	202.7	320.2	310.2	10.04	31.891	
2,400.0	2,390.1	2,350.4	2,337.9	5.9	5.8	-145.54	-64.9	218.1	346.0	335.4	10.55	32.784	
2,500.0	2,489.3	2,447.0	2,433.0	6.2	6.2	-145.32	-71.9	233.4	371.7	360.6	11.07	33.580	
2,600.0	2,588.4	2,543.7	2,528.2	6.5	6.5	-145.14	-78.8	248.8	397.4	385.8	11.59	34.291	
2,700.0	2,687.6	2,640.3	2,623.3	6.8	6.9	-144.98	-85.8	264.1	423.2	411.1	12.11	34.930	
2,800.0	2,786.7	2,736.9	2,718.5	7.2	7.2	-144.83	-92.8	279.5	448.9	436.3	12.64	35.506	
2,900.0	2,885.8	2,833.5	2,813.6	7.5	7.6	-144.71	-99.7	294.8	474.7	461.5	13.17	36.028	
3,000.0	2,985.0	2,930.2	2,908.7	7.8	8.0	-144.59	-106.7	310.2	500.4	486.7	13.71	36.502	
3,100.0	3,084.1	3,026.8	3,003.9	8.1	8.3	-144.49	-113.7	325.5	526.2	511.9	14.25	36.935	
3,200.0	3,183.3	3,123.4	3,099.0	8.5	8.7	-144.39	-120.6	340.9	551.9	537.1	14.78	37.331	
3,300.0	3,282.4	3,220.0	3,194.2	8.8	9.1	-144.31	-127.6	356.3	577.7	562.4	15.33	37.695	
3,400.0	3,381.6	3,316.6	3,289.3	9.1	9.5	-144.23	-134.6	371.6	603.4	587.6	15.87	38.030	
3,500.0	3,480.7	3,413.3	3,384.4	9.5	9.8	-144.16	-141.5	387.0	629.2	612.8	16.41	38.339	
3,600.0	3,579.8	3,509.9	3,479.6	9.8	10.2	-144.09	-148.5	402.3	655.0	638.0	16.96	38.625	
3,700.0	3,679.0	3,606.6	3,574.8	10.1	10.6	-144.17	-155.5	417.7	680.3	662.8	17.51	38.848	
3,800.0	3,778.6	3,703.9	3,670.6	10.3	11.0	-144.21	-162.5	433.2	703.2	685.2	18.03	39.000	
3,900.0	3,878.4	3,801.7	3,767.0	10.5	11.4	-144.06	-169.5	448.7	723.4	704.9	18.53	39.044	
4,000.0	3,978.4	3,900.0	3,863.7	10.7	11.8	-143.75	-176.6	464.3	740.8	721.8	19.00	38.997	
4,100.0	4,078.4	3,998.4	3,960.6	10.8	12.2	87.15	-183.7	480.0	756.4	737.0	19.46	38.874	
4,200.0	4,178.4	4,096.9	4,057.6	11.0	12.5	87.74	-190.8	495.6	772.0	752.1	19.91	38.779	
4,300.0	4,278.4	4,195.4	4,154.5	11.2	12.9	88.31	-197.9	511.3	787.7	767.3	20.36	38.693	
4,400.0	4,378.4	4,311.6	4,269.1	11.3	13.3	88.92	-206.0	529.0	802.9	782.1	20.83	38.547	
4,500.0	4,478.4	4,444.9	4,401.3	11.5	13.7	89.44	-213.0	544.4	814.4	793.1	21.28	38.277	
4,600.0	4,578.4	4,579.5	4,535.4	11.7	14.0	89.76	-217.5	554.3	821.8	800.1	21.71	37.846	
4,700.0	4,678.4	4,714.8	4,670.7	11.8	14.2	89.89	-219.4	558.5	824.9	802.7	22.14	37.263	
4,800.0	4,778.4	4,822.5	4,778.4	12.0	14.3	89.90	-219.4	558.7	825.0	802.4	22.51	36.643	
4,900.0	4,878.4	4,922.5	4,878.4	12.2	14.5	89.90	-219.4	558.7	825.0	802.1	22.88	36.054	
5,000.0	4,978.4	5,022.5	4,978.4	12.4	14.6	89.90	-219.4	558.7	825.0	801.7	23.25	35.479	
5,100.0	5,078.4	5,122.5	5,078.4	12.6	14.8	89.90	-219.4	558.7	825.0	801.3	23.63	34.918	

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-2N
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-24-2N	**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	5,178.4	5,222.5	5,178.4	12.7	15.0	89.90	-219.4	558.7	825.0	801.0	24.00	34.371	
5,300.0	5,278.4	5,322.5	5,278.4	12.9	15.1	89.90	-219.4	558.7	825.0	800.6	24.38	33.837	
5,400.0	5,378.4	5,422.5	5,378.4	13.1	15.3	89.90	-219.4	558.7	825.0	800.2	24.76	33.316	
5,500.0	5,478.4	5,522.5	5,478.4	13.3	15.4	89.90	-219.4	558.7	825.0	799.8	25.14	32.809	
5,600.0	5,578.4	5,622.5	5,578.4	13.5	15.6	89.90	-219.4	558.7	825.0	799.4	25.53	32.313	
5,700.0	5,678.4	5,722.5	5,678.4	13.6	15.8	89.90	-219.4	558.7	825.0	799.0	25.92	31.830	
5,800.0	5,778.4	5,822.5	5,778.4	13.8	15.9	89.90	-219.4	558.7	825.0	798.6	26.31	31.359	
5,900.0	5,878.4	5,922.5	5,878.4	14.0	16.1	89.90	-219.4	558.7	825.0	798.3	26.70	30.900	
6,000.0	5,978.4	6,022.5	5,978.4	14.2	16.3	89.90	-219.4	558.7	825.0	797.9	27.09	30.451	
6,100.0	6,078.4	6,122.5	6,078.4	14.4	16.4	89.90	-219.4	558.7	825.0	797.5	27.49	30.014	
6,200.0	6,178.4	6,222.5	6,178.4	14.6	16.6	89.90	-219.4	558.7	825.0	797.1	27.88	29.587	
6,300.0	6,278.4	6,322.5	6,278.4	14.8	16.8	89.90	-219.4	558.7	825.0	796.7	28.28	29.170	
6,400.0	6,378.4	6,422.5	6,378.4	15.0	16.9	89.90	-219.4	558.7	825.0	796.3	28.68	28.764	
6,500.0	6,478.4	6,522.5	6,478.4	15.2	17.1	89.90	-219.4	558.7	825.0	795.9	29.08	28.367	
6,600.0	6,578.4	6,622.5	6,578.4	15.4	17.3	89.90	-219.4	558.7	825.0	795.5	29.48	27.980	
6,700.0	6,678.0	6,721.7	6,677.2	15.5	17.4	89.66	-212.5	558.7	825.0	795.1	29.82	27.667	
6,800.0	6,774.5	6,820.8	6,772.9	15.6	17.5	89.68	-187.3	558.8	824.9	794.9	30.01	27.491	
6,900.0	6,864.3	6,919.9	6,862.1	15.7	17.6	89.71	-144.4	559.0	824.9	794.8	30.11	27.400	
7,000.0	6,944.1	7,019.2	6,941.7	15.7	17.6	89.74	-85.3	559.2	824.9	794.7	30.22	27.302	
7,100.0	7,011.0	7,118.5	7,008.7	15.7	17.6	89.79	-12.2	559.5	824.9	794.5	30.46	27.087	
7,200.0	7,062.6	7,218.0	7,060.6	15.8	17.6	89.85	72.5	559.9	824.9	794.0	30.95	26.658	
7,300.0	7,096.9	7,317.7	7,095.7	16.0	17.7	89.91	165.6	560.3	824.9	793.2	31.77	25.965	
7,400.0	7,112.7	7,417.5	7,112.3	16.5	18.0	89.98	263.9	560.7	824.9	792.0	32.96	25.029	
7,500.0	7,113.4	7,517.5	7,113.4	17.3	18.6	90.00	363.9	561.1	824.9	790.4	34.50	23.911	
7,600.0	7,112.9	7,617.5	7,112.9	18.3	19.4	90.00	463.9	561.5	824.9	788.6	36.37	22.683	
7,700.0	7,112.4	7,717.5	7,112.4	19.4	20.4	90.00	563.9	561.9	824.9	786.4	38.53	21.412	
7,800.0	7,112.0	7,817.5	7,112.0	20.6	21.5	90.00	663.9	562.3	824.9	784.0	40.93	20.154	
7,900.0	7,111.5	7,917.5	7,111.5	21.9	22.8	90.00	763.9	562.8	824.9	781.4	43.54	18.947	
8,000.0	7,111.0	8,017.5	7,111.0	23.3	24.1	90.00	863.9	563.2	824.9	778.6	46.32	17.810	
8,100.0	7,110.5	8,117.5	7,110.5	24.8	25.5	90.00	963.9	563.6	824.9	775.7	49.24	16.754	
8,200.0	7,110.1	8,217.5	7,110.1	26.3	27.0	90.00	1,063.9	564.0	824.9	772.6	52.27	15.781	
8,300.0	7,109.6	8,317.5	7,109.6	27.8	28.5	90.00	1,163.9	564.4	824.9	769.5	55.41	14.888	
8,400.0	7,109.1	8,417.5	7,109.1	29.4	30.1	90.00	1,263.9	564.9	824.9	766.3	58.63	14.071	
8,500.0	7,108.7	8,517.5	7,108.7	31.1	31.7	90.00	1,363.9	565.3	824.9	763.0	61.91	13.324	
8,600.0	7,108.2	8,617.5	7,108.2	32.8	33.3	90.00	1,463.9	565.7	824.9	759.7	65.26	12.641	
8,700.0	7,107.7	8,717.5	7,107.7	34.4	35.0	90.00	1,563.9	566.1	824.9	756.3	68.66	12.015	
8,800.0	7,107.2	8,817.5	7,107.3	36.2	36.7	90.00	1,663.9	566.5	824.9	752.8	72.09	11.442	
8,900.0	7,106.8	8,917.5	7,106.8	37.9	38.4	90.00	1,763.9	567.0	824.9	749.3	75.57	10.916	
9,000.0	7,106.3	9,017.5	7,106.3	39.7	40.1	90.00	1,863.8	567.4	824.9	745.8	79.08	10.431	
9,100.0	7,105.8	9,117.5	7,105.8	41.4	41.9	90.00	1,963.8	567.8	824.9	742.3	82.62	9.984	
9,200.0	7,105.4	9,217.5	7,105.4	43.2	43.6	90.00	2,063.8	568.2	824.9	738.7	86.18	9.572	
9,300.0	7,104.9	9,317.5	7,104.9	45.0	45.4	90.00	2,163.8	568.6	824.9	735.1	89.77	9.189	
9,400.0	7,104.4	9,417.5	7,104.4	46.8	47.2	90.00	2,263.8	569.0	824.9	731.5	93.37	8.835	
9,500.0	7,103.9	9,517.5	7,104.0	48.6	49.0	90.00	2,363.8	569.5	824.9	727.9	96.99	8.505	
9,600.0	7,103.5	9,617.5	7,103.5	50.4	50.8	90.00	2,463.8	569.9	824.9	724.3	100.63	8.198	
9,700.0	7,103.0	9,717.5	7,103.0	52.2	52.6	90.00	2,563.8	570.3	824.9	720.6	104.28	7.911	
9,800.0	7,102.5	9,817.5	7,102.5	54.1	54.4	90.00	2,663.8	570.7	824.9	717.0	107.94	7.642	
9,900.0	7,102.1	9,917.5	7,102.1	55.9	56.2	90.00	2,763.8	571.1	824.9	713.3	111.61	7.391	
10,000.0	7,101.6	10,017.5	7,101.6	57.7	58.1	90.00	2,863.8	571.6	824.9	709.6	115.30	7.155	
10,100.0	7,101.1	10,117.5	7,101.1	59.6	59.9	90.00	2,963.8	572.0	824.9	705.9	118.99	6.932	
10,200.0	7,100.7	10,217.5	7,100.7	61.4	61.7	90.00	3,063.8	572.4	824.9	702.2	122.69	6.723	
10,300.0	7,100.2	10,317.5	7,100.2	63.3	63.6	90.00	3,163.8	572.8	824.9	698.5	126.40	6.526	

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-2N
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-24-2N	**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
10,400.0	7,099.7	10,417.5	7,099.7	65.1	65.4	90.00	3,263.8	573.2	824.9	694.8	130.11	6.340	
10,500.0	7,099.2	10,517.5	7,099.2	67.0	67.3	90.00	3,363.8	573.7	824.9	691.0	133.84	6.163	
10,600.0	7,098.8	10,617.5	7,098.8	68.9	69.1	90.00	3,463.8	574.1	824.9	687.3	137.56	5.996	
10,700.0	7,098.3	10,717.5	7,098.3	70.7	71.0	90.00	3,563.8	574.5	824.9	683.6	141.30	5.838	
10,800.0	7,097.8	10,817.5	7,097.8	72.6	72.8	90.00	3,663.8	574.9	824.9	679.8	145.03	5.687	
10,900.0	7,097.4	10,917.5	7,097.4	74.5	74.7	90.00	3,763.8	575.3	824.9	676.1	148.78	5.544	
11,000.0	7,096.9	11,017.5	7,096.9	76.3	76.6	90.00	3,863.8	575.7	824.9	672.4	152.52	5.408	
11,100.0	7,096.4	11,117.5	7,096.4	78.2	78.4	90.00	3,963.8	576.2	824.9	668.6	156.27	5.278	
11,200.0	7,095.9	11,217.5	7,095.9	80.1	80.3	90.00	4,063.8	576.6	824.9	664.8	160.03	5.155	
11,300.0	7,095.5	11,317.5	7,095.5	82.0	82.2	90.00	4,163.8	577.0	824.9	661.1	163.79	5.036	
11,400.0	7,095.0	11,417.5	7,095.0	83.8	84.1	90.00	4,263.8	577.4	824.9	657.3	167.55	4.923	
11,500.0	7,094.5	11,517.5	7,094.5	85.7	85.9	90.00	4,363.8	577.8	824.9	653.6	171.31	4.815	
11,600.0	7,094.1	11,617.5	7,094.1	87.6	87.8	90.00	4,463.8	578.3	824.9	649.8	175.08	4.711	
11,700.0	7,093.6	11,717.5	7,093.6	89.5	89.7	90.00	4,563.8	578.7	824.9	646.0	178.85	4.612	
11,717.3	7,093.5	11,734.9	7,093.5	89.8	90.0	90.00	4,581.1	578.7	824.9	645.4	179.44	4.597	SF

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-2N
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-24-2N	**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-24-8N - 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	90.02	0.0	89.9	89.9				
100.0	100.0	100.0	100.0	0.1	0.1	90.02	0.0	89.9	89.9	89.7	0.22	399.939	
200.0	200.0	200.0	200.0	0.3	0.3	90.02	0.0	89.9	89.9	89.2	0.67	133.313	
300.0	300.0	300.0	300.0	0.6	0.6	90.02	0.0	89.9	89.9	88.8	1.12	79.988	
400.0	400.0	400.0	400.0	0.8	0.8	90.02	0.0	89.9	89.9	88.3	1.57	57.134	
500.0	500.0	500.0	500.0	1.0	1.0	90.02	0.0	89.9	89.9	87.9	2.02	44.438	
600.0	600.0	600.0	600.0	1.2	1.2	90.02	0.0	89.9	89.9	87.4	2.47	36.358	CC, ES
700.0	700.0	697.1	697.1	1.5	1.4	90.36	-0.6	91.4	91.5	88.6	2.90	31.564	
800.0	800.0	793.9	793.8	1.7	1.6	91.30	-2.2	96.1	96.3	93.0	3.32	29.017	
900.0	900.0	890.4	889.9	1.9	1.8	92.67	-4.8	103.8	104.4	100.6	3.76	27.790	
1,000.0	1,000.0	986.1	985.0	2.1	2.1	94.26	-8.5	114.4	115.7	111.5	4.22	27.454	
1,100.0	1,100.0	1,080.9	1,078.6	2.3	2.4	-134.74	-13.2	127.9	131.6	127.0	4.61	28.556	
1,200.0	1,199.8	1,174.0	1,170.2	2.5	2.7	-134.22	-18.8	144.1	153.0	148.0	5.02	30.478	
1,300.0	1,299.5	1,268.4	1,262.5	2.7	3.0	-134.29	-25.2	162.8	179.4	173.9	5.45	32.905	
1,400.0	1,398.7	1,364.0	1,355.9	3.0	3.4	-134.98	-31.9	182.0	208.3	202.4	5.89	35.369	
1,500.0	1,497.9	1,459.5	1,449.2	3.2	3.8	-135.93	-38.5	201.1	237.9	231.6	6.35	37.476	
1,600.0	1,597.0	1,554.9	1,542.5	3.5	4.2	-136.66	-45.1	220.3	267.6	260.8	6.83	39.203	
1,700.0	1,696.1	1,650.4	1,635.7	3.7	4.6	-137.25	-51.7	239.4	297.4	290.0	7.32	40.636	
1,800.0	1,795.3	1,745.8	1,729.0	4.0	5.1	-137.73	-58.4	258.6	327.1	319.3	7.82	41.836	
1,900.0	1,894.4	1,841.2	1,822.2	4.3	5.5	-138.14	-65.0	277.8	356.9	348.5	8.33	42.847	
2,000.0	1,993.6	1,936.7	1,915.5	4.6	5.9	-138.48	-71.6	296.9	386.7	377.8	8.85	43.707	
2,100.0	2,092.7	2,032.1	2,008.8	4.9	6.3	-138.77	-78.2	316.1	416.5	407.1	9.37	44.443	
2,200.0	2,191.8	2,127.6	2,102.0	5.2	6.8	-139.02	-84.9	335.2	446.3	436.4	9.90	45.080	
2,300.0	2,291.0	2,223.0	2,195.3	5.6	7.2	-139.24	-91.5	354.4	476.1	465.6	10.43	45.633	
2,400.0	2,390.1	2,318.4	2,288.5	5.9	7.7	-139.43	-98.1	373.6	505.9	494.9	10.97	46.117	
2,500.0	2,489.3	2,413.9	2,381.8	6.2	8.1	-139.61	-104.7	392.7	535.7	524.2	11.51	46.544	
2,600.0	2,588.4	2,509.3	2,475.1	6.5	8.5	-139.76	-111.4	411.9	565.5	553.5	12.05	46.922	
2,700.0	2,687.6	2,604.7	2,568.3	6.8	9.0	-139.90	-118.0	431.1	595.4	582.8	12.60	47.259	
2,800.0	2,786.7	2,700.2	2,661.6	7.2	9.4	-140.03	-124.6	450.2	625.2	612.0	13.15	47.560	
2,900.0	2,885.8	2,795.6	2,754.8	7.5	9.9	-140.14	-131.2	469.4	655.0	641.3	13.69	47.831	
3,000.0	2,985.0	2,891.1	2,848.1	7.8	10.3	-140.25	-137.9	488.5	684.9	670.6	14.25	48.076	
3,100.0	3,084.1	2,986.5	2,941.4	8.1	10.8	-140.34	-144.5	507.7	714.7	699.9	14.80	48.297	
3,200.0	3,183.3	3,081.9	3,034.6	8.5	11.2	-140.43	-151.1	526.9	744.5	729.2	15.35	48.499	
3,300.0	3,282.4	3,177.4	3,127.9	8.8	11.6	-140.51	-157.7	546.0	774.4	758.5	15.91	48.683	
3,400.0	3,381.6	3,272.8	3,221.1	9.1	12.1	-140.59	-164.4	565.2	804.2	787.8	16.46	48.851	
3,500.0	3,480.7	3,368.3	3,314.4	9.5	12.5	-140.66	-171.0	584.3	834.1	817.0	17.02	49.006	
3,600.0	3,579.8	3,463.7	3,407.7	9.8	13.0	-140.72	-177.6	603.5	863.9	846.3	17.58	49.149	
3,700.0	3,679.0	3,559.2	3,501.0	10.1	13.4	-140.97	-184.2	622.7	893.4	875.2	18.16	49.202	
3,800.0	3,778.6	3,655.5	3,595.1	10.3	13.9	-141.23	-190.9	642.0	920.5	901.8	18.71	49.208	
3,900.0	3,878.4	3,752.4	3,689.7	10.5	14.3	-141.33	-197.6	661.4	945.0	925.8	19.23	49.146	
4,000.0	3,978.4	3,894.2	3,829.0	10.7	14.8	-141.15	-206.4	686.8	964.7	945.0	19.76	48.822	
4,100.0	4,078.4	4,039.8	3,973.1	10.8	15.2	89.54	-213.0	705.9	977.9	957.7	20.24	48.324	
4,200.0	4,178.4	4,187.0	4,119.8	11.0	15.5	89.79	-217.3	718.2	986.3	965.6	20.68	47.702	
4,300.0	4,278.4	4,335.2	4,267.9	11.2	15.7	89.89	-219.1	723.4	989.8	968.7	21.10	46.914	
4,400.0	4,378.4	4,445.7	4,378.4	11.3	15.9	89.90	-219.1	723.6	989.9	968.4	21.46	46.127	
4,500.0	4,478.4	4,545.7	4,478.4	11.5	16.0	89.90	-219.1	723.6	989.9	968.1	21.81	45.389	
4,600.0	4,578.4	4,645.7	4,578.4	11.7	16.1	89.90	-219.1	723.6	989.9	967.7	22.16	44.668	
4,700.0	4,678.4	4,745.7	4,678.4	11.8	16.2	89.90	-219.1	723.6	989.9	967.4	22.52	43.962	
4,800.0	4,778.4	4,845.7	4,778.4	12.0	16.4	89.90	-219.1	723.6	989.9	967.0	22.88	43.272	
4,900.0	4,878.4	4,945.7	4,878.4	12.2	16.5	89.90	-219.1	723.6	989.9	966.7	23.24	42.598	
5,000.0	4,978.4	5,045.7	4,978.4	12.4	16.6	89.90	-219.1	723.6	989.9	966.3	23.60	41.939	
5,100.0	5,078.4	5,145.7	5,078.4	12.6	16.8	89.90	-219.1	723.6	989.9	965.9	23.97	41.295	

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-24-2N
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-24-2N	**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-24-8N - 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	5,178.4	5,245.7	5,178.4	12.7	16.9	89.90	-219.1	723.6	989.9	965.6	24.34	40.667	
5,300.0	5,278.4	5,345.7	5,278.4	12.9	17.1	89.90	-219.1	723.6	989.9	965.2	24.71	40.052	
5,400.0	5,378.4	5,445.7	5,378.4	13.1	17.2	89.90	-219.1	723.6	989.9	964.8	25.09	39.453	
5,500.0	5,478.4	5,545.7	5,478.4	13.3	17.3	89.90	-219.1	723.6	989.9	964.4	25.47	38.867	
5,600.0	5,578.4	5,645.7	5,578.4	13.5	17.5	89.90	-219.1	723.6	989.9	964.0	25.85	38.295	
5,700.0	5,678.4	5,745.7	5,678.4	13.6	17.6	89.90	-219.1	723.6	989.9	963.7	26.23	37.736	
5,800.0	5,778.4	5,845.7	5,778.4	13.8	17.8	89.90	-219.1	723.6	989.9	963.3	26.62	37.191	
5,900.0	5,878.4	5,945.7	5,878.4	14.0	17.9	89.90	-219.1	723.6	989.9	962.9	27.00	36.658	
6,000.0	5,978.4	6,045.7	5,978.4	14.2	18.1	89.90	-219.1	723.6	989.9	962.5	27.39	36.138	
6,100.0	6,078.4	6,145.7	6,078.4	14.4	18.2	89.90	-219.1	723.6	989.9	962.1	27.78	35.631	
6,200.0	6,178.4	6,245.7	6,178.4	14.6	18.4	89.90	-219.1	723.6	989.9	961.7	28.17	35.135	
6,300.0	6,278.4	6,345.7	6,278.4	14.8	18.6	89.90	-219.1	723.6	989.9	961.3	28.57	34.650	
6,400.0	6,378.4	6,445.7	6,378.4	15.0	18.7	89.90	-219.1	723.6	989.9	960.9	28.96	34.177	
6,500.0	6,478.4	6,545.7	6,478.4	15.2	18.9	89.90	-219.1	723.6	989.9	960.5	29.36	33.715	
6,600.0	6,578.4	6,645.7	6,578.4	15.4	19.0	89.90	-219.1	723.6	989.9	960.1	29.76	33.264	
6,700.0	6,678.0	6,744.7	6,677.0	15.5	19.2	89.66	-212.3	723.6	989.9	959.8	30.09	32.901	
6,800.0	6,774.5	6,843.6	6,772.5	15.6	19.3	89.68	-187.1	723.7	989.9	959.6	30.27	32.698	
6,900.0	6,864.3	6,942.6	6,861.6	15.7	19.3	89.71	-144.4	723.9	989.9	959.5	30.37	32.594	
7,000.0	6,944.1	7,041.7	6,941.1	15.7	19.3	89.74	-85.5	724.2	989.9	959.4	30.47	32.483	
7,100.0	7,011.0	7,140.9	7,008.2	15.7	19.3	89.79	-12.5	724.5	989.9	959.2	30.71	32.234	
7,126.6	7,026.3	7,167.3	7,023.6	15.7	19.3	89.81	8.9	724.6	989.9	959.1	30.83	32.113	
7,200.0	7,062.6	7,240.3	7,060.2	15.8	19.3	89.85	72.0	724.8	989.9	958.7	31.19	31.735	
7,300.0	7,096.9	7,339.9	7,095.4	16.0	19.4	89.91	165.0	725.2	989.9	957.9	32.01	30.925	
7,400.0	7,112.7	7,439.7	7,112.2	16.5	19.6	89.98	263.2	725.6	989.9	956.7	33.19	29.828	
7,500.0	7,113.4	7,539.7	7,113.4	17.3	20.0	90.00	363.1	726.1	989.9	955.2	34.72	28.507	
7,600.0	7,112.9	7,639.7	7,112.9	18.3	20.7	90.00	463.1	726.5	989.9	953.3	36.58	27.062	
7,700.0	7,112.4	7,739.7	7,112.4	19.4	21.5	90.00	563.1	726.9	989.9	951.2	38.72	25.564	
7,800.0	7,112.0	7,839.7	7,112.0	20.6	22.6	90.00	663.1	727.3	989.9	948.8	41.11	24.078	
7,900.0	7,111.5	7,939.7	7,111.5	21.9	23.7	90.00	763.1	727.8	989.9	946.2	43.71	22.648	
8,000.0	7,111.0	8,039.7	7,111.0	23.3	25.0	90.00	863.1	728.2	989.9	943.4	46.47	21.300	
8,100.0	7,110.5	8,139.7	7,110.5	24.8	26.3	90.00	963.1	728.6	989.9	940.5	49.38	20.046	
8,200.0	7,110.1	8,239.7	7,110.1	26.3	27.8	90.00	1,063.1	729.0	989.9	937.5	52.41	18.888	
8,300.0	7,109.6	8,339.7	7,109.6	27.8	29.2	90.00	1,163.1	729.5	989.9	934.4	55.53	17.825	
8,400.0	7,109.1	8,439.7	7,109.1	29.4	30.8	90.00	1,263.1	729.9	989.9	931.2	58.74	16.852	
8,500.0	7,108.7	8,539.7	7,108.7	31.1	32.3	90.00	1,363.1	730.3	989.9	927.9	62.02	15.961	
8,600.0	7,108.2	8,639.7	7,108.2	32.8	34.0	90.00	1,463.1	730.7	989.9	924.6	65.36	15.146	
8,700.0	7,107.7	8,739.7	7,107.7	34.4	35.6	90.00	1,563.1	731.1	989.9	921.2	68.75	14.399	
8,800.0	7,107.2	8,839.7	7,107.3	36.2	37.3	90.00	1,663.1	731.6	989.9	917.8	72.19	13.714	
8,900.0	7,106.8	8,939.7	7,106.8	37.9	38.9	90.00	1,763.1	732.0	990.0	914.3	75.66	13.085	
9,000.0	7,106.3	9,039.7	7,106.3	39.7	40.6	90.00	1,863.1	732.4	990.0	910.8	79.16	12.506	
9,100.0	7,105.8	9,139.7	7,105.8	41.4	42.4	90.00	1,963.1	732.8	990.0	907.3	82.69	11.971	
9,200.0	7,105.4	9,239.7	7,105.4	43.2	44.1	90.00	2,063.1	733.3	990.0	903.7	86.25	11.477	
9,300.0	7,104.9	9,339.7	7,104.9	45.0	45.9	90.00	2,163.1	733.7	990.0	900.1	89.83	11.020	
9,400.0	7,104.4	9,439.7	7,104.4	46.8	47.6	90.00	2,263.1	734.1	990.0	896.5	93.43	10.595	
9,500.0	7,103.9	9,539.7	7,104.0	48.6	49.4	90.00	2,363.1	734.5	990.0	892.9	97.05	10.201	
9,600.0	7,103.5	9,639.7	7,103.5	50.4	51.2	90.00	2,463.1	735.0	990.0	889.3	100.68	9.832	
9,700.0	7,103.0	9,739.7	7,103.0	52.2	53.0	90.00	2,563.1	735.4	990.0	885.7	104.33	9.489	
9,800.0	7,102.5	9,839.7	7,102.5	54.1	54.8	90.00	2,663.1	735.8	990.0	882.0	107.99	9.167	
9,900.0	7,102.1	9,939.7	7,102.1	55.9	56.6	90.00	2,763.1	736.2	990.0	878.3	111.66	8.866	
10,000.0	7,101.6	10,039.7	7,101.6	57.7	58.4	90.00	2,863.1	736.7	990.0	874.7	115.34	8.583	
10,100.0	7,101.1	10,139.7	7,101.1	59.6	60.2	90.00	2,963.1	737.1	990.0	871.0	119.03	8.317	
10,200.0	7,100.7	10,239.7	7,100.7	61.4	62.1	90.00	3,063.1	737.5	990.0	867.3	122.73	8.066	

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-2N
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-24-2N	**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-24-8N - 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	7,100.2	10,339.7	7,100.2	63.3	63.9	90.00	3,163.1	737.9	990.0	863.6	126.44	7.830	
10,400.0	7,099.7	10,439.7	7,099.7	65.1	65.7	90.00	3,263.1	738.4	990.0	859.9	130.15	7.606	
10,500.0	7,099.2	10,539.7	7,099.2	67.0	67.6	90.00	3,363.1	738.8	990.0	856.1	133.87	7.395	
10,600.0	7,098.8	10,639.7	7,098.8	68.9	69.4	90.00	3,463.1	739.2	990.0	852.4	137.60	7.195	
10,700.0	7,098.3	10,739.7	7,098.3	70.7	71.3	90.00	3,563.1	739.6	990.0	848.7	141.33	7.005	
10,800.0	7,097.8	10,839.7	7,097.8	72.6	73.1	90.00	3,663.1	740.1	990.0	845.0	145.07	6.825	
10,900.0	7,097.4	10,939.7	7,097.4	74.5	75.0	90.00	3,763.1	740.5	990.0	841.2	148.81	6.653	
11,000.0	7,096.9	11,039.7	7,096.9	76.3	76.8	90.00	3,863.1	740.9	990.0	837.5	152.55	6.490	
11,100.0	7,096.4	11,139.7	7,096.4	78.2	78.7	90.00	3,963.1	741.3	990.0	833.7	156.30	6.334	
11,200.0	7,095.9	11,239.7	7,095.9	80.1	80.6	90.00	4,063.1	741.7	990.0	830.0	160.06	6.186	
11,300.0	7,095.5	11,339.7	7,095.5	82.0	82.4	90.00	4,163.1	742.2	990.0	826.2	163.81	6.044	
11,400.0	7,095.0	11,439.7	7,095.0	83.8	84.3	90.00	4,263.1	742.6	990.0	822.5	167.57	5.908	
11,500.0	7,094.5	11,539.7	7,094.5	85.7	86.2	90.00	4,363.1	743.0	990.1	818.7	171.34	5.778	
11,600.0	7,094.1	11,639.7	7,094.1	87.6	88.0	90.00	4,463.1	743.4	990.1	815.0	175.10	5.654	
11,700.0	7,093.6	11,739.7	7,093.6	89.5	89.9	90.00	4,563.1	743.9	990.1	811.2	178.87	5.535	
11,717.3	7,093.5	11,757.0	7,093.5	89.8	90.2	90.00	4,580.4	743.9	990.1	810.6	179.46	5.517	SF

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-2N
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-24-2N	**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

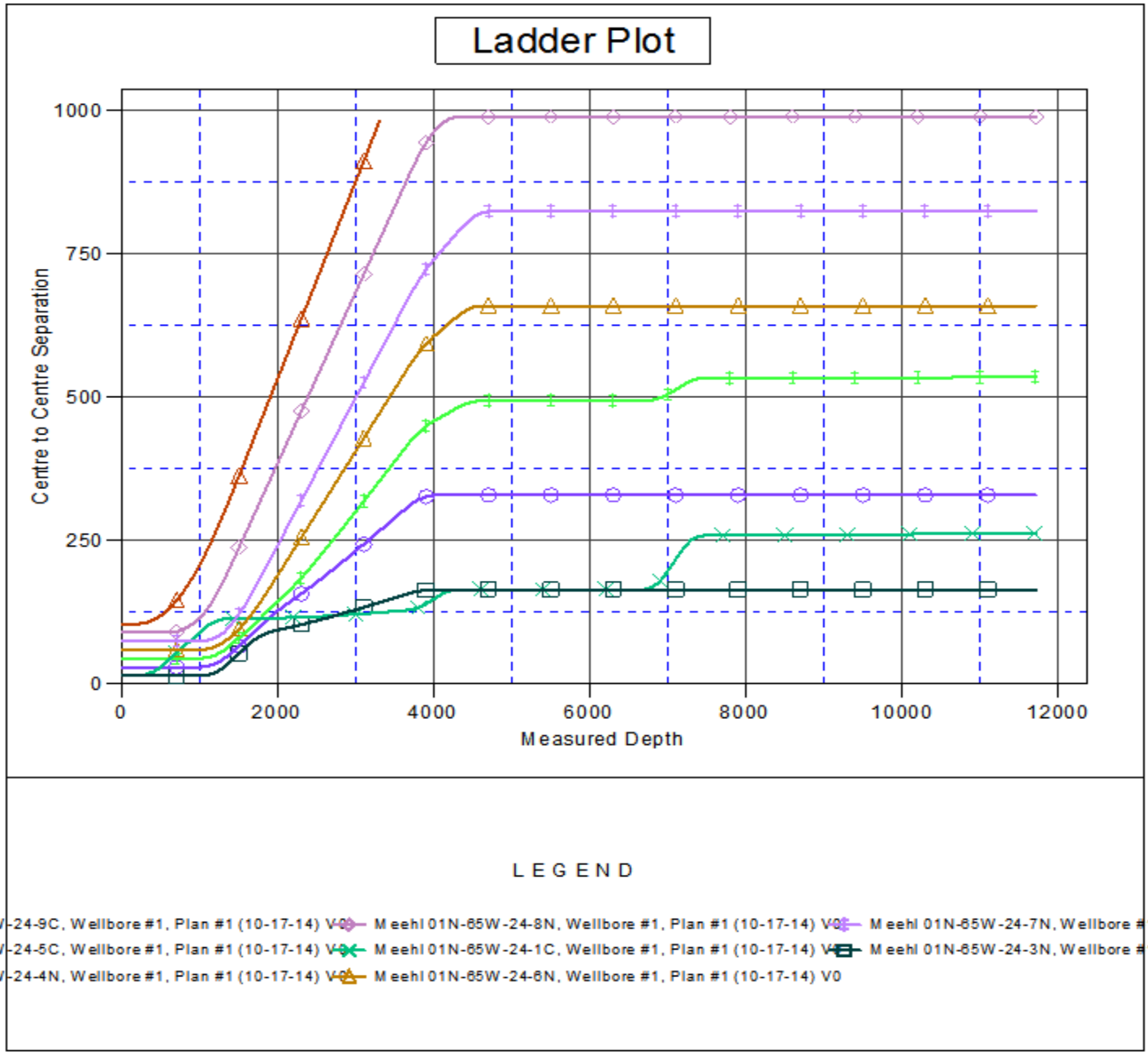
Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

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	90.03	0.0	105.0	105.0				
100.0	100.0	100.0	100.0	0.1	0.1	90.03	0.0	105.0	105.0	104.8	0.22	467.219	
200.0	200.0	200.0	200.0	0.3	0.3	90.03	0.0	105.0	105.0	104.3	0.67	155.740	CC, ES
300.0	300.0	296.6	296.5	0.6	0.5	90.26	-0.5	106.6	106.6	105.5	1.10	96.654	
400.0	400.0	392.9	392.7	0.8	0.8	90.92	-1.8	111.3	111.5	110.0	1.54	72.436	
500.0	500.0	488.8	488.3	1.0	1.0	91.91	-4.0	119.0	119.7	117.7	2.00	59.856	
600.0	600.0	584.0	582.9	1.2	1.3	93.07	-7.0	129.8	131.1	128.6	2.49	52.702	
700.0	700.0	678.4	676.2	1.5	1.6	94.30	-10.8	143.4	145.8	142.8	3.01	48.496	
800.0	800.0	771.8	768.0	1.7	1.9	95.49	-15.4	159.8	163.7	160.1	3.56	46.022	
900.0	900.0	864.0	858.0	1.9	2.3	96.59	-20.7	178.8	184.8	180.7	4.14	44.629	
1,000.0	1,000.0	955.3	946.6	2.1	2.8	97.59	-26.7	200.3	209.1	204.3	4.76	43.957	SF
1,100.0	1,100.0	1,051.7	1,039.7	2.3	3.3	-131.77	-33.4	224.3	235.7	231.0	4.77	49.422	
1,200.0	1,199.8	1,147.4	1,132.2	2.5	3.8	-131.47	-40.0	248.0	264.7	259.5	5.20	50.863	
1,300.0	1,299.5	1,242.3	1,223.9	2.7	4.3	-131.63	-46.6	271.6	295.8	290.2	5.65	52.394	
1,400.0	1,398.7	1,336.5	1,314.9	3.0	4.8	-132.22	-53.1	295.0	329.2	323.1	6.11	53.903	
1,500.0	1,497.9	1,430.3	1,405.6	3.2	5.3	-133.15	-59.7	318.3	363.3	356.7	6.59	55.094	
1,600.0	1,597.0	1,524.2	1,496.3	3.5	5.8	-133.92	-66.2	341.6	397.4	390.3	7.09	56.013	
1,700.0	1,696.1	1,618.1	1,587.0	3.7	6.3	-134.57	-72.7	364.9	431.6	424.0	7.61	56.732	
1,800.0	1,795.3	1,712.0	1,677.7	4.0	6.8	-135.12	-79.2	388.2	465.8	457.7	8.13	57.300	
1,900.0	1,894.4	1,805.8	1,768.4	4.3	7.4	-135.60	-85.7	411.5	500.1	491.4	8.66	57.752	
2,000.0	1,993.6	1,899.7	1,859.0	4.6	7.9	-136.01	-92.2	434.8	534.4	525.2	9.19	58.117	
2,100.0	2,092.7	1,993.6	1,949.7	4.9	8.4	-136.38	-98.8	458.2	568.7	559.0	9.74	58.413	
2,200.0	2,191.8	2,087.4	2,040.4	5.2	8.9	-136.70	-105.3	481.5	603.0	592.7	10.28	58.655	
2,300.0	2,291.0	2,181.3	2,131.1	5.6	9.4	-136.99	-111.8	504.8	637.4	626.5	10.83	58.855	
2,400.0	2,390.1	2,275.2	2,221.8	5.9	9.9	-137.25	-118.3	528.1	671.7	660.3	11.38	59.021	
2,500.0	2,489.3	2,369.0	2,312.5	6.2	10.5	-137.48	-124.8	551.4	706.1	694.2	11.94	59.160	
2,600.0	2,588.4	2,462.9	2,403.2	6.5	11.0	-137.70	-131.3	574.7	740.5	728.0	12.49	59.276	
2,700.0	2,687.6	2,556.8	2,493.9	6.8	11.5	-137.89	-137.8	598.0	774.9	761.8	13.05	59.374	
2,800.0	2,786.7	2,650.7	2,584.6	7.2	12.0	-138.07	-144.4	621.3	809.3	795.6	13.61	59.457	
2,900.0	2,885.8	2,744.5	2,675.3	7.5	12.6	-138.23	-150.9	644.6	843.7	829.5	14.17	59.527	
3,000.0	2,985.0	2,838.4	2,766.0	7.8	13.1	-138.38	-157.4	667.9	878.1	863.3	14.74	59.587	
3,100.0	3,084.1	2,932.3	2,856.7	8.1	13.6	-138.52	-163.9	691.2	912.5	897.2	15.30	59.638	
3,200.0	3,183.3	3,026.1	2,947.4	8.5	14.1	-138.65	-170.4	714.5	946.9	931.0	15.87	59.682	
3,300.0	3,282.4	3,120.0	3,038.1	8.8	14.6	-138.77	-176.9	737.9	981.3	964.9	16.43	59.719	

Company:	Verdad Oil & Gas Corporation	**Local Co-ordinate Reference:**	Well Meehl 01N-65W-24-2N
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-24-2N	**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-24-2N
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-24-2N
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-24-2N	**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')	Coordinates are relative to: Meehl 01N-65W-24-2N
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is -105.500000 °	Grid Convergence at Surface is: 0.58°