



Project: SEC 33 T2N R64W
Site: Jackson 02N-64W-33 Pad
Well: Jackson 33-8H
Wellbore: OH
Design: Plan 3
Lat: 40.1014120
Long: -104.5614480

LP_Jackson 33-8H(0 FNL 2280 FWL)

1000

500

0

-500

-1000

-1500

-2000

-2500

-3000

-3500

-4000

-4500

-5000

South(-)/North(+) (1000 ft/in)

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	
915.75	16.32	51.79	904.78	71.36	90.64	2.00	51.79	-49.81	
5386.22	16.32	51.79	5195.22	848.17	1077.41	0.00	0.00	-592.06	
6201.98	0.00	0.00	6000.00	919.53	1168.05	2.00	180.00	-641.87	
6615.36	0.00	0.00	6413.38	919.53	1168.05	0.00	0.00	-641.87	
7617.76	90.22	180.41	7050.00	280.53	1163.42	9.00	180.41	-19.34	
12918.55	90.22	180.41	7030.00	-5020.08	1125.05	0.00	0.00	5144.61	PBHL

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	7030.00	-5020.08	1125.05	1276170.29	3263720.93	40.0876310	-104.5574270	Point
- plan hits target center								
LP	7050.00	280.53	1163.42	1281471.01	3263703.19	40.1021820	-104.5572890	Point
- plan misses target center by 0.01ft at 7617.75ft MD (7050.00 TVD, 280.53 N, 1163.42 E)								

PROJECT DETAILS: SEC 33 T2N R64W

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone
Colorado Northern Zone
System Datum: Mean Sea Level

CASING DETAILS

TVD	MD	Name	Size
1700.00	1744.35	9 5/8"	9.625
7030.00	12918.55	5 1/2"	5.500



Azimuths to True North
Magnetic North: 8.08°

Magnetic Field
Strength: 52263.9snT
Dip Angle: 66.65°
Date: 5/25/2017
Model: IGRF2015

PBHL_Jackson 33-8H(0 FSL 2280 FWL)

5 1/2"

-1000 -500 0 500 1000 1500 2000 2500

West(-)/East(+) (1000 ft/in)

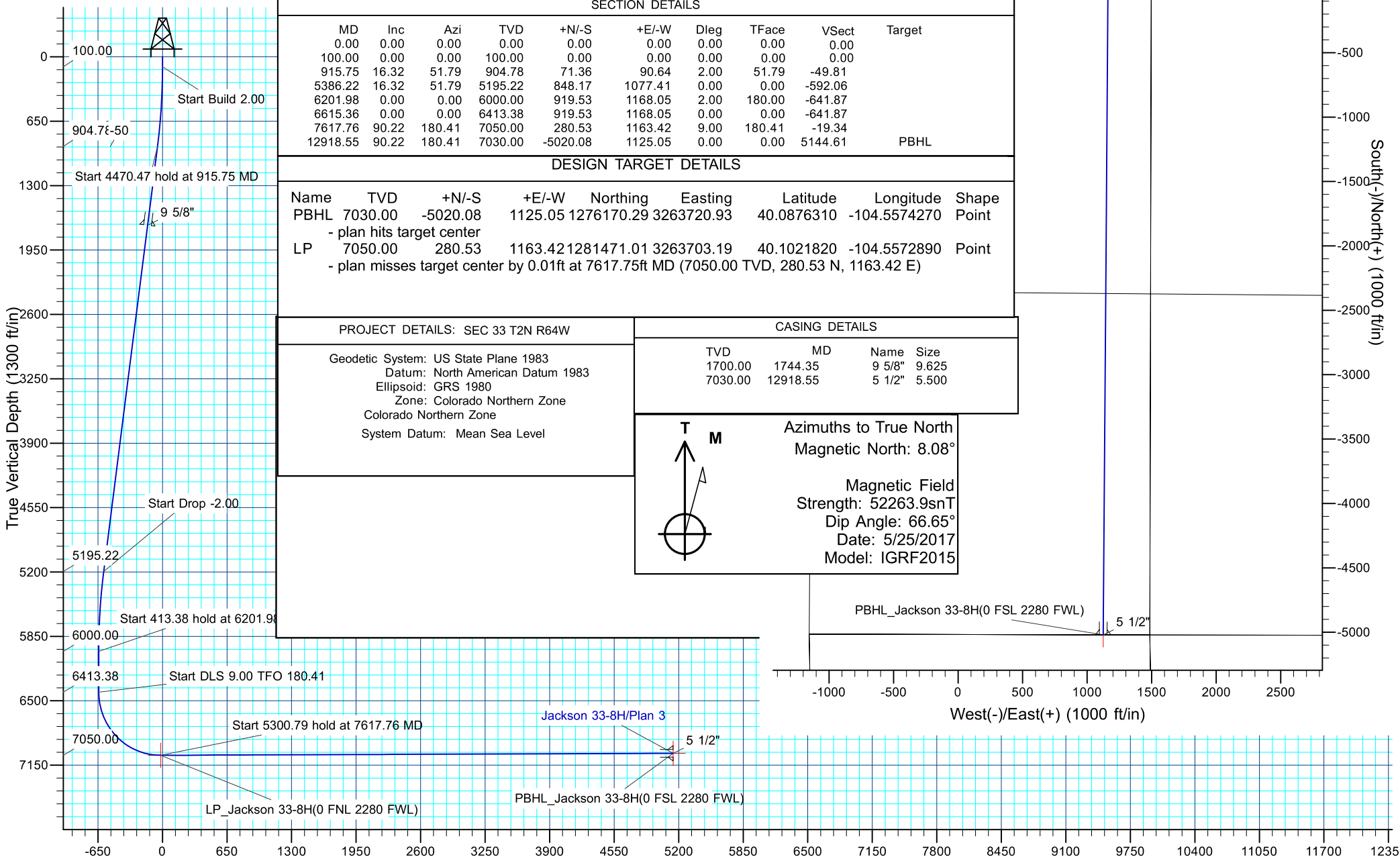
Jackson 33-8H/Plan 3

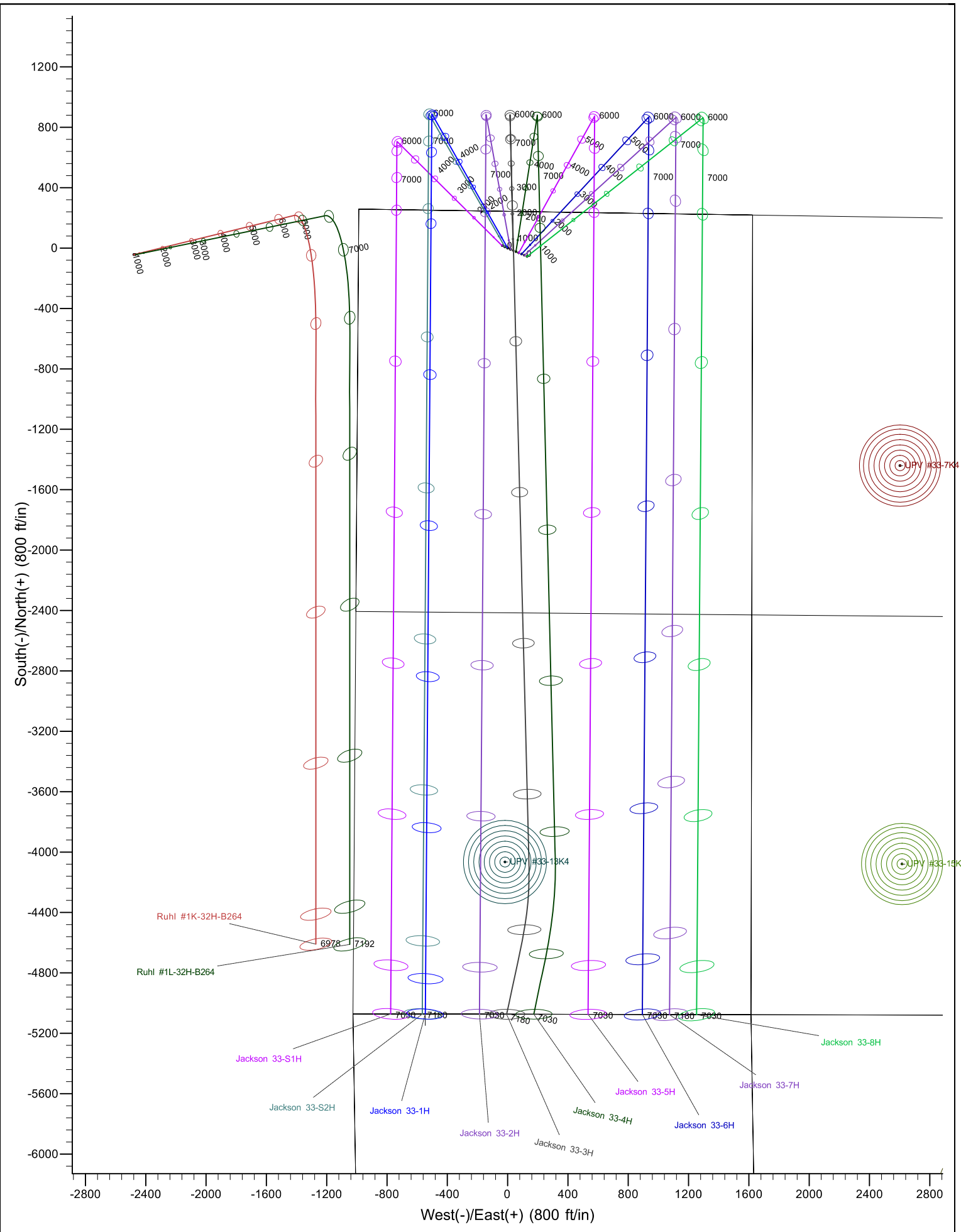
5 1/2"

PBHL_Jackson 33-8H(0 FSL 2280 FWL)

LP_Jackson 33-8H(0 FNL 2280 FWL)

Vertical Section at 167.37° (1300 ft/in)







Verdad Resources LLC

SEC 33 T2N R64W

Jackson 02N-64W-33 Pad

Jackson 33-8H

OH

Plan: Plan 3

Standard Planning Report

28 December, 2017





Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Jackson 33-8H
Company:	Verdad Resources LLC	TVD Reference:	WELL @ 5017.00ft (Original Well Elev)
Project:	SEC 33 T2N R64W	MD Reference:	WELL @ 5017.00ft (Original Well Elev)
Site:	Jackson 02N-64W-33 Pad	North Reference:	True
Well:	Jackson 33-8H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 3		

Project	SEC 33 T2N R64W		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site	Jackson 02N-64W-33 Pad			
Site Position:		Northing:	1,281,248.57 usft	Latitude: 40.1016100
From:	Lat/Long	Easting:	3,262,377.29 usft	Longitude: -104.5620370
Position Uncertainty:	3.28 ft	Slot Radius:	13.200 in	Grid Convergence: 0.61 °

Well	Jackson 33-8H, 283 FNL 1081 FWL			
Well Position	+N/-S	-72.14 ft	Northing:	1,281,178.18 usft
	+E/-W	164.77 ft	Easting:	3,262,542.81 usft
Position Uncertainty		3.28 ft	Wellhead Elevation:	Ground Level: 5,017.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	5/25/2017	8.08	66.65	52,264

Design	Plan 3			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	167.37

Plan Survey Tool Program	Date	12/22/2017		
Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	12,918.31 Plan 3 (OH)	MWD	
			OWSG MWD - Standard	

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
915.75	16.32	51.79	904.78	71.36	90.64	2.00	2.00	0.00	51.79	
5,386.22	16.32	51.79	5,195.22	848.17	1,077.41	0.00	0.00	0.00	0.00	
6,201.98	0.00	0.00	6,000.00	919.53	1,168.05	2.00	-2.00	0.00	180.00	
6,615.36	0.00	0.00	6,413.38	919.53	1,168.05	0.00	0.00	0.00	0.00	
7,617.76	90.22	180.41	7,050.00	280.53	1,163.42	9.00	9.00	-17.92	180.41	
12,918.55	90.22	180.41	7,030.00	-5,020.08	1,125.05	0.00	0.00	0.00	0.00	PBHL_Jackson 33-8H



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Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well Jackson 33-8H
 WELL @ 5017.00ft (Original Well Elev)
 WELL @ 5017.00ft (Original Well Elev)
 True
 Minimum Curvature

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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	2.00	51.79	199.98	1.08	1.37	-0.75	2.00	2.00	0.00
300.00	4.00	51.79	299.84	4.32	5.48	-3.01	2.00	2.00	0.00
400.00	6.00	51.79	399.45	9.71	12.33	-6.78	2.00	2.00	0.00
500.00	8.00	51.79	498.70	17.25	21.91	-12.04	2.00	2.00	0.00
600.00	10.00	51.79	597.47	26.92	34.20	-18.79	2.00	2.00	0.00
700.00	12.00	51.79	695.62	38.72	49.19	-27.03	2.00	2.00	0.00
800.00	14.00	51.79	793.06	52.64	66.86	-36.74	2.00	2.00	0.00
900.00	16.00	51.79	889.64	68.65	87.20	-47.92	2.00	2.00	0.00
915.75	16.32	51.79	904.78	71.36	90.64	-49.81	2.00	2.00	0.00
1,000.00	16.32	51.79	985.63	86.00	109.24	-60.03	0.00	0.00	0.00
1,100.00	16.32	51.79	1,081.60	103.37	131.31	-72.16	0.00	0.00	0.00
1,200.00	16.32	51.79	1,177.58	120.75	153.39	-84.29	0.00	0.00	0.00
1,300.00	16.32	51.79	1,273.55	138.13	175.46	-96.42	0.00	0.00	0.00
1,400.00	16.32	51.79	1,369.52	155.50	197.53	-108.55	0.00	0.00	0.00
1,500.00	16.32	51.79	1,465.50	172.88	219.60	-120.68	0.00	0.00	0.00
1,600.00	16.32	51.79	1,561.47	190.26	241.68	-132.81	0.00	0.00	0.00
1,700.00	16.32	51.79	1,657.44	207.63	263.75	-144.94	0.00	0.00	0.00
1,744.35	16.32	51.79	1,700.00	215.34	273.54	-150.32	0.00	0.00	0.00
9 5/8"									
1,800.00	16.32	51.79	1,753.42	225.01	285.82	-157.07	0.00	0.00	0.00
1,900.00	16.32	51.79	1,849.39	242.39	307.90	-169.20	0.00	0.00	0.00
2,000.00	16.32	51.79	1,945.36	259.76	329.97	-181.33	0.00	0.00	0.00
2,100.00	16.32	51.79	2,041.34	277.14	352.04	-193.46	0.00	0.00	0.00
2,200.00	16.32	51.79	2,137.31	294.52	374.11	-205.59	0.00	0.00	0.00
2,300.00	16.32	51.79	2,233.28	311.89	396.19	-217.72	0.00	0.00	0.00
2,400.00	16.32	51.79	2,329.26	329.27	418.26	-229.85	0.00	0.00	0.00
2,500.01	16.32	51.79	2,425.23	346.65	440.33	-241.98	0.00	0.00	0.00
2,600.01	16.32	51.79	2,521.20	364.02	462.41	-254.10	0.00	0.00	0.00
2,700.01	16.32	51.79	2,617.18	381.40	484.48	-266.23	0.00	0.00	0.00
2,800.01	16.32	51.79	2,713.15	398.78	506.55	-278.36	0.00	0.00	0.00
2,900.01	16.32	51.79	2,809.12	416.15	528.63	-290.49	0.00	0.00	0.00
3,000.01	16.32	51.79	2,905.10	433.53	550.70	-302.62	0.00	0.00	0.00
3,100.01	16.32	51.79	3,001.07	450.91	572.77	-314.75	0.00	0.00	0.00
3,200.01	16.32	51.79	3,097.04	468.28	594.84	-326.88	0.00	0.00	0.00
3,300.01	16.32	51.79	3,193.02	485.66	616.92	-339.01	0.00	0.00	0.00
3,400.01	16.32	51.79	3,288.99	503.04	638.99	-351.14	0.00	0.00	0.00
3,500.01	16.32	51.79	3,384.96	520.41	661.06	-363.27	0.00	0.00	0.00
3,600.01	16.32	51.79	3,480.94	537.79	683.14	-375.40	0.00	0.00	0.00
3,700.01	16.32	51.79	3,576.91	555.17	705.21	-387.53	0.00	0.00	0.00
3,800.01	16.32	51.79	3,672.88	572.54	727.28	-399.66	0.00	0.00	0.00
3,900.01	16.32	51.79	3,768.86	589.92	749.36	-411.79	0.00	0.00	0.00
4,000.01	16.32	51.79	3,864.83	607.30	771.43	-423.92	0.00	0.00	0.00
4,100.01	16.32	51.79	3,960.80	624.67	793.50	-436.05	0.00	0.00	0.00
4,200.01	16.32	51.79	4,056.78	642.05	815.57	-448.18	0.00	0.00	0.00
4,300.01	16.32	51.79	4,152.75	659.43	837.65	-460.31	0.00	0.00	0.00
4,400.01	16.32	51.79	4,248.72	676.80	859.72	-472.44	0.00	0.00	0.00
4,500.01	16.32	51.79	4,344.70	694.18	881.79	-484.57	0.00	0.00	0.00
4,600.01	16.32	51.79	4,440.67	711.55	903.87	-496.70	0.00	0.00	0.00
4,700.01	16.32	51.79	4,536.64	728.93	925.94	-508.83	0.00	0.00	0.00
4,800.01	16.32	51.79	4,632.62	746.31	948.01	-520.96	0.00	0.00	0.00
4,900.01	16.32	51.79	4,728.59	763.68	970.08	-533.09	0.00	0.00	0.00
5,000.01	16.32	51.79	4,824.56	781.06	992.16	-545.22	0.00	0.00	0.00



Planning Report



Database: EDM 5000.14 Single User Db
 Company: Verdad Resources LLC
 Project: SEC 33 T2N R64W
 Site: Jackson 02N-64W-33 Pad
 Well: Jackson 33-8H
 Wellbore: OH
 Design: Plan 3

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:

Well Jackson 33-8H
 WELL @ 5017.00ft (Original Well Elev)
 WELL @ 5017.00ft (Original Well Elev)
 True
 Minimum Curvature

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)
5,100.01	16.32	51.79	4,920.54	798.44	1,014.23	-557.35	0.00	0.00	0.00
5,200.01	16.32	51.79	5,016.51	815.81	1,036.30	-569.48	0.00	0.00	0.00
5,300.01	16.32	51.79	5,112.48	833.19	1,058.38	-581.61	0.00	0.00	0.00
5,386.22	16.32	51.79	5,195.22	848.17	1,077.41	-592.06	0.00	0.00	0.00
5,400.01	16.04	51.79	5,208.47	850.55	1,080.42	-593.72	2.00	-2.00	0.00
5,500.01	14.04	51.79	5,305.04	866.60	1,100.81	-604.93	2.00	-2.00	0.00
5,600.01	12.04	51.79	5,402.45	880.55	1,118.54	-614.67	2.00	-2.00	0.00
5,700.01	10.04	51.79	5,500.60	892.40	1,133.58	-622.93	2.00	-2.00	0.00
5,800.01	8.04	51.79	5,599.35	902.11	1,145.93	-629.72	2.00	-2.00	0.00
5,900.01	6.04	51.79	5,698.59	909.69	1,155.56	-635.01	2.00	-2.00	0.00
6,000.01	4.04	51.79	5,798.20	915.13	1,162.46	-638.80	2.00	-2.00	0.00
6,100.01	2.04	51.79	5,898.05	918.41	1,166.62	-641.09	2.00	-2.00	0.00
6,200.01	0.04	51.79	5,998.03	919.53	1,168.05	-641.87	2.00	-2.00	0.00
6,201.98	0.00	0.00	6,000.00	919.53	1,168.05	-641.87	2.00	-2.00	0.00
6,300.01	0.00	0.00	6,098.03	919.53	1,168.05	-641.87	0.00	0.00	0.00
6,400.01	0.00	0.00	6,198.03	919.53	1,168.05	-641.87	0.00	0.00	0.00
6,500.01	0.00	0.00	6,298.03	919.53	1,168.05	-641.87	0.00	0.00	0.00
6,600.01	0.00	0.00	6,398.03	919.53	1,168.05	-641.87	0.00	0.00	0.00
6,615.36	0.00	0.00	6,413.38	919.53	1,168.05	-641.87	0.00	0.00	0.00
6,700.01	7.62	180.41	6,497.79	913.91	1,168.01	-636.40	9.00	9.00	0.00
6,800.01	16.62	180.41	6,595.46	892.94	1,167.86	-615.97	9.00	9.00	0.00
6,900.01	25.62	180.41	6,688.64	856.95	1,167.60	-580.90	9.00	9.00	0.00
7,000.01	34.62	180.41	6,775.05	806.82	1,167.23	-532.07	9.00	9.00	0.00
7,100.01	43.62	180.41	6,852.56	743.79	1,166.78	-470.67	9.00	9.00	0.00
7,200.01	52.62	180.41	6,919.25	669.42	1,166.24	-398.21	9.00	9.00	0.00
7,300.01	61.62	180.41	6,973.48	585.53	1,165.63	-316.48	9.00	9.00	0.00
7,400.01	70.62	180.41	7,013.92	494.18	1,164.97	-227.49	9.00	9.00	0.00
7,500.02	79.62	180.41	7,039.58	397.64	1,164.27	-133.44	9.00	9.00	0.00
7,600.02	88.62	180.41	7,049.82	298.27	1,163.55	-36.63	9.00	9.00	0.00
7,617.75	90.22	180.41	7,050.00	280.53	1,163.42	-19.35	9.01	9.01	0.00
LP_Jackson 33-8H(0 FNL 2280 FWL)									
7,617.76	90.22	180.41	7,050.00	280.53	1,163.42	-19.34	9.01	9.01	0.00
7,700.02	90.22	180.41	7,049.69	198.27	1,162.83	60.79	0.00	0.00	0.00
7,800.02	90.22	180.41	7,049.31	98.28	1,162.10	158.21	0.00	0.00	0.00
7,900.02	90.22	180.41	7,048.93	-1.72	1,161.38	255.62	0.00	0.00	0.00
8,000.02	90.22	180.41	7,048.55	-101.72	1,160.66	353.04	0.00	0.00	0.00
8,100.02	90.22	180.41	7,048.18	-201.71	1,159.93	450.46	0.00	0.00	0.00
8,200.02	90.22	180.41	7,047.80	-301.71	1,159.21	547.88	0.00	0.00	0.00
8,300.02	90.22	180.41	7,047.42	-401.71	1,158.49	645.30	0.00	0.00	0.00
8,400.02	90.22	180.41	7,047.04	-501.70	1,157.76	742.72	0.00	0.00	0.00
8,500.02	90.22	180.41	7,046.67	-601.70	1,157.04	840.14	0.00	0.00	0.00
8,600.02	90.22	180.41	7,046.29	-701.70	1,156.31	937.56	0.00	0.00	0.00
8,700.02	90.22	180.41	7,045.91	-801.70	1,155.59	1,034.97	0.00	0.00	0.00
8,800.02	90.22	180.41	7,045.54	-901.69	1,154.87	1,132.39	0.00	0.00	0.00
8,900.02	90.22	180.41	7,045.16	-1,001.69	1,154.14	1,229.81	0.00	0.00	0.00
9,000.02	90.22	180.41	7,044.78	-1,101.69	1,153.42	1,327.23	0.00	0.00	0.00
9,100.02	90.22	180.41	7,044.40	-1,201.68	1,152.69	1,424.65	0.00	0.00	0.00
9,200.02	90.22	180.41	7,044.03	-1,301.68	1,151.97	1,522.07	0.00	0.00	0.00
9,300.02	90.22	180.41	7,043.65	-1,401.68	1,151.25	1,619.49	0.00	0.00	0.00
9,400.02	90.22	180.41	7,043.27	-1,501.67	1,150.52	1,716.91	0.00	0.00	0.00
9,500.02	90.22	180.41	7,042.90	-1,601.67	1,149.80	1,814.33	0.00	0.00	0.00
9,600.02	90.22	180.41	7,042.52	-1,701.67	1,149.07	1,911.74	0.00	0.00	0.00
9,700.02	90.22	180.41	7,042.14	-1,801.66	1,148.35	2,009.16	0.00	0.00	0.00



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Wellbore: OH
Design: Plan 3

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TVD Reference: WELL @ 5017.00ft (Original Well Elev)
MD Reference: WELL @ 5017.00ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

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)
9,800.02	90.22	180.41	7,041.76	-1,901.66	1,147.63	2,106.58	0.00	0.00	0.00
9,900.02	90.22	180.41	7,041.39	-2,001.66	1,146.90	2,204.00	0.00	0.00	0.00
10,000.02	90.22	180.41	7,041.01	-2,101.65	1,146.18	2,301.42	0.00	0.00	0.00
10,100.02	90.22	180.41	7,040.63	-2,201.65	1,145.46	2,398.84	0.00	0.00	0.00
10,200.02	90.22	180.41	7,040.25	-2,301.65	1,144.73	2,496.26	0.00	0.00	0.00
10,300.02	90.22	180.41	7,039.88	-2,401.65	1,144.01	2,593.68	0.00	0.00	0.00
10,400.02	90.22	180.41	7,039.50	-2,501.64	1,143.28	2,691.09	0.00	0.00	0.00
10,500.02	90.22	180.41	7,039.12	-2,601.64	1,142.56	2,788.51	0.00	0.00	0.00
10,600.02	90.22	180.41	7,038.75	-2,701.64	1,141.84	2,885.93	0.00	0.00	0.00
10,700.02	90.22	180.41	7,038.37	-2,801.63	1,141.11	2,983.35	0.00	0.00	0.00
10,800.02	90.22	180.41	7,037.99	-2,901.63	1,140.39	3,080.77	0.00	0.00	0.00
10,900.02	90.22	180.41	7,037.61	-3,001.63	1,139.66	3,178.19	0.00	0.00	0.00
11,000.02	90.22	180.41	7,037.24	-3,101.62	1,138.94	3,275.61	0.00	0.00	0.00
11,100.02	90.22	180.41	7,036.86	-3,201.62	1,138.22	3,373.03	0.00	0.00	0.00
11,200.02	90.22	180.41	7,036.48	-3,301.62	1,137.49	3,470.45	0.00	0.00	0.00
11,300.02	90.22	180.41	7,036.11	-3,401.61	1,136.77	3,567.86	0.00	0.00	0.00
11,400.02	90.22	180.41	7,035.73	-3,501.61	1,136.04	3,665.28	0.00	0.00	0.00
11,500.02	90.22	180.41	7,035.35	-3,601.61	1,135.32	3,762.70	0.00	0.00	0.00
11,600.02	90.22	180.41	7,034.97	-3,701.60	1,134.60	3,860.12	0.00	0.00	0.00
11,700.02	90.22	180.41	7,034.60	-3,801.60	1,133.87	3,957.54	0.00	0.00	0.00
11,800.02	90.22	180.41	7,034.22	-3,901.60	1,133.15	4,054.96	0.00	0.00	0.00
11,900.02	90.22	180.41	7,033.84	-4,001.60	1,132.43	4,152.38	0.00	0.00	0.00
12,000.02	90.22	180.41	7,033.46	-4,101.59	1,131.70	4,249.80	0.00	0.00	0.00
12,100.02	90.22	180.41	7,033.09	-4,201.59	1,130.98	4,347.21	0.00	0.00	0.00
12,200.02	90.22	180.41	7,032.71	-4,301.59	1,130.25	4,444.63	0.00	0.00	0.00
12,300.02	90.22	180.41	7,032.33	-4,401.58	1,129.53	4,542.05	0.00	0.00	0.00
12,400.03	90.22	180.41	7,031.96	-4,501.58	1,128.81	4,639.47	0.00	0.00	0.00
12,500.03	90.22	180.41	7,031.58	-4,601.58	1,128.08	4,736.89	0.00	0.00	0.00
12,600.03	90.22	180.41	7,031.20	-4,701.57	1,127.36	4,834.31	0.00	0.00	0.00
12,700.03	90.22	180.41	7,030.82	-4,801.57	1,126.63	4,931.73	0.00	0.00	0.00
12,800.03	90.22	180.41	7,030.45	-4,901.57	1,125.91	5,029.15	0.00	0.00	0.00
12,900.03	90.22	180.41	7,030.07	-5,001.56	1,125.19	5,126.56	0.00	0.00	0.00
12,918.55	90.22	180.41	7,030.00	-5,020.08	1,125.05	5,144.61	0.00	0.00	0.00
PBHL_Jackson 33-8H(0 FSL 2280 FWL)									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL_Jackson 33-8H(0	0.00	0.00	7,030.00	-5,020.08	1,125.05	1,276,170.29	3,263,720.93	40.0876310	-104.5574270
- plan hits target center									
- Point									
LP_Jackson 33-8H(0 FN	0.00	0.00	7,050.00	280.53	1,163.42	1,281,471.01	3,263,703.19	40.1021820	-104.5572890
- plan misses target center by 0.01ft at 7617.75ft MD (7050.00 TVD, 280.53 N, 1163.42 E)									
- Point									



Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Jackson 33-8H
Company:	Verdad Resources LLC	TVD Reference:	WELL @ 5017.00ft (Original Well Elev)
Project:	SEC 33 T2N R64W	MD Reference:	WELL @ 5017.00ft (Original Well Elev)
Site:	Jackson 02N-64W-33 Pad	North Reference:	True
Well:	Jackson 33-8H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 3		

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)		Name	Casing Diameter (in)	Hole Diameter (in)
1,744.35	1,700.00	9 5/8"		9.625	13.500
12,918.55	7,030.00	5 1/2"		5.500	8.500

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
100.00	100.00	0.00	0.00	Start Build 2.00	
915.75	904.78	71.36	90.64	Start 4470.47 hold at 915.75 MD	
5,386.22	5,195.22	848.17	1,077.41	Start Drop -2.00	
6,201.98	6,000.00	919.53	1,168.05	Start 413.38 hold at 6201.98 MD	
6,615.36	6,413.38	919.53	1,168.05	Start DLS 9.00 TFO 180.41	
7,617.76	7,050.00	280.53	1,163.42	Start 5300.79 hold at 7617.76 MD	
12,918.55	7,030.00	-5,020.08	1,125.05	TD at 12918.55	