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Mewbourne Oil Company

Eddy County, N.M. Nad (83)

Section 20-21-23S-28E Whitesnake 20-21 W0BC Fee 2H

Whitesnake 20-21 W0BC Fee 2H

Original Hole

30-015-44559

Design: Original Hole

Standard Survey Report

22 February, 2018





Microsoft Survey Report



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 20-21-23S-28E Whitesnake 20-21 W0BC Fee 2H
Well: Whitesnake 20-21 W0BC Fee 2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Whitesnake 20-21 W0BC Fee 2H
TVD Reference: 3049 + 27 @ 3076.0usft (Patterson 231)
MD Reference: 3049 + 27 @ 3076.0usft (Patterson 231)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Project	Eddy County, N.M. Nad (83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Section 20-21-23S-28E Whitesnake 20-21 W0BC Fee 2H

Site Position:
From: Map
Position Uncertainty: 0.0 usft
Northing: 471,612.40 usft
Easting: 610,033.40 usft
Slot Radius: 13-3/16 "
Latitude: 32° 17' 46.825 N
Longitude: 104° 6' 39.626 W
Grid Convergence: 0.12 °

Well Whitesnake 20-21 W0BC Fee 2H

Well Position +N/-S 0.0 usft **Northing:** 471,612.40 usft **Latitude:** 32° 17' 46.825 N
+ E/-W 0.0 usft **Easting:** 610,033.40 usft **Longitude:** 104° 6' 39.626 W
Position Uncertainty 0.0 usft **Wellhead Elevation:** 27.0 usft **Ground Level:** 3,049.0 usft

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/3/2018	7.15	60.04	47,869.68617244

Design Original Hole

Audit Notes:

Version: 1.0 **Phase:** ACTUAL **Tie On Depth:** 0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	342.62

Survey Program Date 2/22/2018

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	14,400.0	MWD Survey (Original Hole)	MWD	MWD v3:standard declination

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.25	159.54	100.0	-0.2	0.1	-0.2	0.25	0.25	0.00
200.0	0.32	154.13	200.0	-0.7	0.3	-0.7	0.07	0.07	-5.41
300.0	0.12	58.22	300.0	-0.9	0.5	-1.0	0.35	-0.20	-95.91
342.0	0.16	176.39	342.0	-0.9	0.5	-1.0	0.57	0.10	281.36
445.0	0.50	325.60	445.0	-0.7	0.3	-0.7	0.62	0.33	144.86
504.0	0.60	326.60	504.0	-0.2	0.0	-0.2	0.17	0.17	1.69
563.0	0.50	336.40	563.0	0.3	-0.3	0.4	0.23	-0.17	16.61
624.0	0.60	339.10	624.0	0.8	-0.5	1.0	0.17	0.16	4.43
682.0	0.70	348.70	682.0	1.5	-0.7	1.6	0.25	0.17	16.55



Microsoft Survey Report



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W0BC Fee 2H
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Database: Stryker_EDM

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
743.0	0.60	0.60	743.0	2.2	-0.8	2.3	0.27	-0.16	19.51
841.0	0.70	351.70	841.0	3.3	-0.9	3.4	0.14	0.10	-9.08
936.0	1.00	339.40	936.0	4.6	-1.2	4.8	0.37	0.32	-12.95
1,031.0	1.30	334.30	1,030.9	6.4	-2.0	6.7	0.33	0.32	-5.37
1,127.0	0.40	275.10	1,126.9	7.4	-2.8	7.9	1.20	-0.94	-61.67
1,222.0	0.60	207.50	1,221.9	7.0	-3.4	7.6	0.61	0.21	-71.16
1,317.0	0.90	190.10	1,316.9	5.8	-3.7	6.6	0.39	0.32	-18.32
1,412.0	1.00	191.10	1,411.9	4.2	-4.0	5.2	0.11	0.11	1.05
1,507.0	1.10	197.90	1,506.9	2.6	-4.4	3.8	0.17	0.11	7.16
1,602.0	1.10	187.70	1,601.9	0.8	-4.8	2.2	0.21	0.00	-10.74
1,698.0	1.60	158.30	1,697.9	-1.4	-4.5	0.0	0.87	0.52	-30.63
1,793.0	1.70	95.60	1,792.8	-2.7	-2.6	-1.8	1.81	0.11	-66.00
1,890.0	0.70	61.20	1,889.8	-2.6	-0.6	-2.3	1.23	-1.03	-35.46
1,985.0	0.80	80.80	1,984.8	-2.2	0.5	-2.3	0.29	0.11	20.63
2,080.0	1.70	103.70	2,079.8	-2.4	2.6	-3.1	1.07	0.95	24.11
2,175.0	1.10	104.00	2,174.7	-3.0	4.8	-4.3	0.63	-0.63	0.32
2,271.0	0.40	254.80	2,270.7	-3.3	5.4	-4.8	1.52	-0.73	157.08
2,365.0	1.40	272.90	2,364.7	-3.3	3.9	-4.4	1.09	1.06	19.26
2,389.0	1.40	270.80	2,388.7	-3.3	3.3	-4.2	0.21	0.00	-8.75
2,464.0	1.80	263.80	2,463.7	-3.4	1.2	-3.6	0.59	0.53	-9.33
2,559.0	1.20	14.90	2,558.7	-2.6	0.0	-2.5	2.63	-0.63	116.95
2,654.0	2.90	47.40	2,653.6	0.0	2.0	-0.6	2.10	1.79	34.21
2,749.0	3.30	49.70	2,748.5	3.4	5.9	1.4	0.44	0.42	2.42
2,844.0	3.10	44.00	2,843.3	7.0	9.8	3.7	0.40	-0.21	-6.00
2,939.0	3.10	45.10	2,938.2	10.6	13.4	6.2	0.06	0.00	1.16
3,034.0	3.10	51.70	3,033.0	14.0	17.2	8.3	0.38	0.00	6.95
3,129.0	3.50	50.00	3,127.9	17.5	21.4	10.3	0.43	0.42	-1.79
3,224.0	3.70	48.70	3,222.7	21.4	26.0	12.6	0.23	0.21	-1.37
3,318.0	3.00	37.00	3,316.5	25.3	29.7	15.3	1.04	-0.74	-12.45
3,413.0	2.90	37.50	3,411.4	29.2	32.7	18.1	0.11	-0.11	0.53
3,508.0	3.70	36.00	3,506.2	33.6	35.9	21.4	0.85	0.84	-1.58
3,603.0	3.80	34.40	3,601.0	38.7	39.5	25.1	0.15	0.11	-1.68
3,699.0	3.90	35.70	3,696.8	44.0	43.2	29.1	0.14	0.10	1.35
3,793.0	3.80	28.70	3,790.6	49.3	46.6	33.1	0.51	-0.11	-7.45
3,888.0	3.60	40.40	3,885.4	54.3	50.0	36.9	0.82	-0.21	12.32
3,983.0	3.30	42.80	3,980.2	58.6	53.8	39.9	0.35	-0.32	2.53
4,077.0	3.50	45.40	4,074.1	62.6	57.7	42.5	0.27	0.21	2.77
4,172.0	3.60	50.40	4,168.9	66.6	62.1	45.0	0.34	0.11	5.26
4,267.0	3.70	38.50	4,263.7	70.9	66.3	47.8	0.80	0.11	-12.53
4,363.0	4.00	33.60	4,359.5	76.1	70.1	51.7	0.46	0.31	-5.10
4,457.0	3.50	32.40	4,453.3	81.2	73.4	55.6	0.54	-0.53	-1.28
4,551.0	3.30	36.90	4,547.1	85.8	76.6	59.0	0.35	-0.21	4.79

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Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,646.0	2.80	36.70	4,642.0	89.9	79.6	62.0	0.53	-0.53	-0.21
4,741.0	3.30	31.30	4,736.9	94.0	82.4	65.1	0.61	0.53	-5.68
4,837.0	3.20	33.70	4,832.7	98.6	85.3	68.7	0.18	-0.10	2.50
4,931.0	2.60	29.50	4,926.6	102.7	87.8	71.8	0.68	-0.64	-4.47
5,026.0	4.20	35.90	5,021.4	107.4	90.9	75.3	1.73	1.68	6.74
5,120.0	4.00	38.80	5,115.2	112.7	95.0	79.2	0.31	-0.21	3.09
5,214.0	3.60	40.30	5,209.0	117.5	99.0	82.6	0.44	-0.43	1.60
5,308.0	3.40	39.50	5,302.8	121.9	102.7	85.7	0.22	-0.21	-0.85
5,404.0	3.30	40.30	5,398.6	126.2	106.3	88.7	0.11	-0.10	0.83
5,499.0	3.00	39.90	5,493.5	130.2	109.6	91.5	0.32	-0.32	-0.42
5,593.0	3.30	35.10	5,587.3	134.3	112.7	94.5	0.42	0.32	-5.11
5,688.0	3.30	38.10	5,682.2	138.7	116.0	97.7	0.18	0.00	3.16
5,783.0	3.20	41.10	5,777.0	142.9	119.4	100.7	0.21	-0.11	3.16
5,878.0	3.00	43.60	5,871.9	146.7	122.9	103.3	0.25	-0.21	2.63
5,972.0	3.50	34.70	5,965.7	150.8	126.2	106.2	0.75	0.53	-9.47
6,067.0	3.30	23.00	6,060.6	155.7	128.9	110.1	0.76	-0.21	-12.32
6,161.0	3.80	13.00	6,154.4	161.2	130.7	114.8	0.84	0.53	-10.64
6,256.0	3.70	20.70	6,249.2	167.2	132.5	120.0	0.54	-0.11	8.11
6,351.0	3.70	31.80	6,344.0	172.6	135.2	124.4	0.75	0.00	11.68
6,446.0	3.60	38.20	6,438.8	177.6	138.7	128.1	0.44	-0.11	6.74
6,541.0	2.90	39.70	6,533.6	181.8	142.0	131.1	0.74	-0.74	1.58
6,636.0	1.80	26.50	6,628.6	185.0	144.2	133.4	1.28	-1.16	-13.89
6,731.0	1.80	42.00	6,723.5	187.4	145.9	135.3	0.51	0.00	16.32
6,826.0	2.40	39.40	6,818.5	190.0	148.2	137.1	0.64	0.63	-2.74
6,920.0	3.80	36.60	6,912.3	194.1	151.3	140.0	1.50	1.49	-2.98
7,015.0	3.60	23.80	7,007.1	199.3	154.3	144.1	0.89	-0.21	-13.47
7,110.0	3.50	37.90	7,101.9	204.3	157.3	148.0	0.92	-0.11	14.84
7,204.0	3.10	31.00	7,195.8	208.8	160.4	151.3	0.60	-0.43	-7.34
7,299.0	3.90	36.00	7,290.6	213.6	163.6	155.0	0.90	0.84	5.26
7,395.0	3.70	49.80	7,386.4	218.2	167.9	158.1	0.97	-0.21	14.38
7,489.0	3.40	42.60	7,480.2	222.3	172.1	160.7	0.57	-0.32	-7.66
7,584.0	3.70	41.40	7,575.0	226.6	176.0	163.7	0.33	0.32	-1.26
7,678.0	3.90	35.70	7,668.8	231.5	179.9	167.2	0.45	0.21	-6.06
7,773.0	4.40	50.10	7,763.6	236.5	184.6	170.5	1.21	0.53	15.16
7,867.0	3.00	45.20	7,857.4	240.5	189.1	173.0	1.53	-1.49	-5.21
7,962.0	2.50	47.50	7,952.3	243.7	192.4	175.1	0.54	-0.53	2.42
8,057.0	1.90	41.30	8,047.2	246.2	195.0	176.8	0.68	-0.63	-6.53
8,152.0	1.10	44.00	8,142.2	248.1	196.6	178.0	0.85	-0.84	2.84
8,247.0	0.30	0.60	8,237.2	249.0	197.3	178.7	0.95	-0.84	-45.68
8,342.0	0.60	356.60	8,332.2	249.7	197.3	179.4	0.32	0.32	-4.21
8,437.0	0.80	103.40	8,427.2	250.1	197.9	179.6	1.19	0.21	112.42
8,532.0	1.60	107.60	8,522.1	249.5	199.8	178.5	0.85	0.84	4.42
8,626.0	1.80	125.80	8,616.1	248.3	202.2	176.5	0.61	0.21	19.36

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8,719.0	1.40	103.00	8,709.1	247.1	204.5	174.8	0.80	-0.43	-24.52
8,814.0	1.20	117.70	8,804.0	246.4	206.5	173.5	0.41	-0.21	15.47
8,909.0	1.20	123.20	8,899.0	245.4	208.2	172.0	0.12	0.00	5.79
8,909.9	1.21	122.23	8,899.9	245.4	208.3	172.0	2.82	1.65	-108.71
B.B. Whitesnake 20-21 W0BC Fee 2H									
8,966.0	2.50	91.50	8,956.0	245.1	210.0	171.2	2.82	2.29	-54.77
8,998.0	8.30	79.10	8,987.8	245.5	213.0	170.7	18.38	18.13	-38.75
9,030.0	14.00	77.30	9,019.2	246.8	219.0	170.1	17.84	17.81	-5.63
9,062.0	17.40	77.90	9,050.0	248.6	227.5	169.3	10.64	10.63	1.88
9,093.0	20.40	78.70	9,079.3	250.6	237.3	168.3	9.71	9.68	2.58
9,125.0	23.40	81.00	9,109.0	252.7	249.0	166.8	9.75	9.38	7.19
9,157.0	26.80	83.00	9,138.0	254.6	262.5	164.6	10.95	10.63	6.25
9,189.0	30.20	84.90	9,166.1	256.2	277.7	161.6	11.00	10.63	5.94
9,220.0	33.30	89.30	9,192.5	257.0	293.9	157.5	12.48	10.00	14.19
9,252.0	37.20	91.10	9,218.6	256.9	312.4	151.9	12.61	12.19	5.63
9,283.0	40.80	91.20	9,242.7	256.5	331.9	145.7	11.61	11.61	0.32
9,315.0	43.90	90.60	9,266.3	256.2	353.5	138.9	9.77	9.69	-1.88
9,347.0	47.40	89.60	9,288.7	256.2	376.3	132.1	11.16	10.94	-3.13
9,378.0	50.50	89.00	9,309.1	256.4	399.7	125.4	10.11	10.00	-1.94
9,410.0	53.20	89.60	9,328.8	256.8	424.9	118.1	8.57	8.44	1.88
9,441.0	56.30	90.90	9,346.7	256.6	450.2	110.5	10.57	10.00	4.19
9,473.0	58.70	92.50	9,363.9	255.8	477.2	101.6	8.60	7.50	5.00
9,505.0	61.30	93.40	9,379.9	254.4	504.8	92.0	8.48	8.13	2.81
9,510.4	61.88	93.44	9,382.5	254.1	509.6	90.3	10.66	10.64	0.66
LP Whitesnake 20-21 W0BC Fee 2H									
9,536.0	64.60	93.60	9,394.0	252.7	532.4	82.2	10.66	10.65	0.64
9,568.0	68.40	92.70	9,406.8	251.1	561.7	71.9	12.15	11.88	-2.81
9,599.0	72.20	91.30	9,417.2	250.1	590.8	62.2	12.97	12.26	-4.52
9,623.0	76.20	91.00	9,423.7	249.6	613.9	54.9	16.71	16.67	-1.25
9,696.0	86.10	94.80	9,435.0	246.0	685.9	29.9	14.50	13.56	5.21
9,728.0	90.70	94.50	9,435.9	243.4	717.7	17.9	14.41	14.38	-0.94
9,759.0	92.50	94.10	9,435.0	241.0	748.6	6.5	5.95	5.81	-1.29
9,791.0	92.90	94.00	9,433.5	238.8	780.5	-5.2	1.29	1.25	-0.31
9,823.0	88.60	91.50	9,433.1	237.2	812.5	-16.2	15.54	-13.44	-7.81
9,854.0	88.80	91.50	9,433.8	236.4	843.4	-26.3	0.65	0.65	0.00
9,886.0	86.90	90.30	9,435.0	235.9	875.4	-36.3	7.02	-5.94	-3.75
9,917.0	87.20	90.40	9,436.6	235.7	906.4	-45.7	1.02	0.97	0.32
9,949.0	87.70	90.70	9,438.0	235.4	938.3	-55.6	1.82	1.56	0.94
9,980.0	89.40	91.40	9,438.8	234.9	969.3	-65.4	5.93	5.48	2.26
10,012.0	89.60	91.30	9,439.1	234.1	1,001.3	-75.6	0.70	0.63	-0.31
10,043.0	88.40	90.50	9,439.6	233.6	1,032.3	-85.3	4.65	-3.87	-2.58
10,075.0	87.10	90.80	9,440.9	233.3	1,064.3	-95.2	4.17	-4.06	0.94

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Site:	Section 20-21-23S-28E Whitesnake 20-21 W0BC Fee 2H	MD Reference:	3049 + 27 @ 3076.0usft (Patterson 231)
Well:	Whitesnake 20-21 W0BC Fee 2H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,106.0	88.70	91.30	9,442.0	232.7	1,095.3	-105.0	5.41	5.16	1.61
10,138.0	89.10	91.80	9,442.6	231.8	1,127.2	-115.4	2.00	1.25	1.56
10,169.0	89.10	91.80	9,443.1	230.9	1,158.2	-125.6	0.00	0.00	0.00
10,201.0	86.30	91.50	9,444.4	229.9	1,190.2	-136.0	8.80	-8.75	-0.94
10,232.0	86.50	92.00	9,446.3	229.0	1,221.1	-146.2	1.73	0.65	1.61
10,264.0	84.40	92.40	9,448.9	227.8	1,253.0	-156.8	6.68	-6.56	1.25
10,327.0	84.10	91.90	9,455.2	225.4	1,315.6	-177.8	0.92	-0.48	-0.79
10,421.0	87.50	91.90	9,462.1	222.3	1,409.3	-208.7	3.62	3.62	0.00
10,516.0	86.90	91.80	9,466.7	219.2	1,504.1	-240.0	0.64	-0.63	-0.11
10,611.0	90.90	92.20	9,468.5	215.9	1,599.0	-271.5	4.23	4.21	0.42
10,705.0	88.60	88.60	9,468.9	215.3	1,693.0	-300.2	4.54	-2.45	-3.83
10,800.0	88.50	88.00	9,471.3	218.1	1,787.9	-325.9	0.64	-0.11	-0.63
10,894.0	86.20	87.90	9,475.7	221.5	1,881.8	-350.7	2.45	-2.45	-0.11
10,989.0	85.50	88.10	9,482.6	224.8	1,976.5	-375.8	0.77	-0.74	0.21
11,085.0	88.30	89.00	9,487.7	227.2	2,072.3	-402.1	3.06	2.92	0.94
11,180.0	88.30	89.40	9,490.6	228.5	2,167.2	-429.2	0.42	0.00	0.42
11,275.0	86.20	90.30	9,495.1	228.8	2,262.1	-457.3	2.40	-2.21	0.95
11,369.0	88.20	91.30	9,499.7	227.4	2,356.0	-486.6	2.38	2.13	1.06
11,465.0	89.00	90.70	9,502.1	225.8	2,451.9	-516.8	1.04	0.83	-0.63
11,560.0	89.20	91.70	9,503.6	223.8	2,546.9	-547.1	1.07	0.21	1.05
11,656.0	90.90	91.70	9,503.5	220.9	2,642.9	-578.5	1.77	1.77	0.00
11,750.0	88.90	90.90	9,503.6	218.8	2,736.8	-608.6	2.29	-2.13	-0.85
11,845.0	89.10	90.50	9,505.3	217.6	2,831.8	-638.0	0.47	0.21	-0.42
11,940.0	88.90	90.60	9,506.9	216.7	2,926.8	-667.3	0.24	-0.21	0.11
12,036.0	88.00	91.10	9,509.5	215.3	3,022.7	-697.3	1.07	-0.94	0.52
12,090.5	87.77	91.33	9,511.6	214.2	3,077.2	-714.7	0.60	-0.42	0.42
Point WS W0BC									
12,131.0	87.60	91.50	9,513.2	213.2	3,117.6	-727.7	0.60	-0.42	0.42
12,226.0	88.20	91.10	9,516.7	211.0	3,212.6	-758.1	0.76	0.63	-0.42
12,321.0	88.30	91.10	9,519.6	209.2	3,307.5	-788.2	0.11	0.11	0.00
12,415.0	89.30	91.90	9,521.5	206.7	3,401.4	-818.6	1.36	1.06	0.85
12,511.0	83.60	89.60	9,527.5	205.5	3,497.2	-848.4	6.40	-5.94	-2.40
12,607.0	89.40	87.80	9,533.3	207.6	3,593.0	-874.9	6.32	6.04	-1.88
12,701.0	88.20	89.10	9,535.3	210.2	3,686.9	-900.6	1.88	-1.28	1.38
12,797.0	88.30	89.50	9,538.2	211.3	3,782.8	-928.1	0.43	0.10	0.42
12,892.0	87.40	89.70	9,541.8	212.0	3,877.8	-955.8	0.97	-0.95	0.21
12,986.0	87.30	90.20	9,546.2	212.1	3,971.7	-983.8	0.54	-0.11	0.53
13,080.0	88.80	89.50	9,549.4	212.3	4,065.6	-1,011.6	1.76	1.60	-0.74
13,176.0	86.90	88.50	9,553.0	214.0	4,161.5	-1,038.7	2.24	-1.98	-1.04
13,270.0	86.10	87.70	9,558.7	217.1	4,255.3	-1,063.7	1.20	-0.85	-0.85
13,365.0	92.00	92.70	9,560.3	216.8	4,350.2	-1,092.4	8.14	6.21	5.26
13,459.0	87.20	90.40	9,560.9	214.2	4,444.1	-1,122.8	5.66	-5.11	-2.45
13,553.0	86.20	89.20	9,566.3	214.6	4,538.0	-1,150.6	1.66	-1.06	-1.28

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Whitesnake 20-21 W0BC Fee 2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	3049 + 27 @ 3076.0usft (Patterson 231)
Site:	Section 20-21-23S-28E Whitesnake 20-21 W0BC Fee 2H	MD Reference:	3049 + 27 @ 3076.0usft (Patterson 231)
Well:	Whitesnake 20-21 W0BC Fee 2H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,648.0	87.40	88.80	9,571.6	216.2	4,632.8	-1,177.3	1.33	1.26	-0.42
13,838.0	91.20	89.60	9,574.0	218.9	4,822.8	-1,231.5	2.04	2.00	0.42
13,933.0	91.20	89.80	9,572.0	219.4	4,917.7	-1,259.4	0.21	0.00	0.21
14,028.0	92.00	90.40	9,569.3	219.2	5,012.7	-1,287.9	1.05	0.84	0.63
14,122.0	87.20	88.50	9,570.0	220.1	5,106.7	-1,315.1	5.49	-5.11	-2.02
14,217.0	89.20	87.80	9,573.0	223.2	5,201.5	-1,340.5	2.23	2.11	-0.74
14,311.0	88.10	86.70	9,575.2	227.7	5,295.4	-1,364.3	1.65	-1.17	-1.17
14,329.0	87.80	86.70	9,575.8	228.7	5,313.4	-1,368.6	1.67	-1.67	0.00
14,400.0	87.80	86.70	9,578.5	232.8	5,384.2	-1,385.9	0.00	0.00	0.00

14400' MD Projected to Bit - PBHL Whitesnake 20-21 W0BC Fee 2H

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
14,400.0	9,578.5	232.8	5,384.2	14400' MD Projected to Bit

