



PHOENIX
TECHNOLOGY SERVICES

Vencer Energy

Upton County, TX (NAD27 TC)

University 23-26

University 23-26B 6B

OH / 73768

Design: Surveys (Noram 25)

Standard Survey Report

21 February, 2024



Company:	Vencer Energy	Local Co-ordinate Reference:	Well University 23-26B 6B
Project:	Upton County, TX (NAD27 TC)	TVD Reference:	RKB @ 2980.70usft (Noram 25)
Site:	University 23-26	MD Reference:	RKB @ 2980.70usft (Noram 25)
Well:	University 23-26B 6B	North Reference:	Grid
Wellbore:	OH / 73768	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Noram 25)	Database:	USAEDMDB

Project	Upton County, TX (NAD27 TC)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Texas Central 4203		

Site	University 23-26		
Site Position:		Northing:	551,491.84 usft
From:	Map	Easting:	1,522,394.70 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	31° 10' 26.586202 N
		Longitude:	101° 51' 38.069500 W

Well	University 23-26B 6B					
Well Position	+N/-S	0.00 usft	Northing:	551,391.89 usft	Latitude:	31° 10' 25.596673 N
	+E/-W	0.00 usft	Easting:	1,522,392.56 usft	Longitude:	101° 51' 38.078337 W
Position Uncertainty		1.00 usft	Wellhead Elevation:	usft	Ground Level:	2,954.70 usft
Grid Convergence:		-0.787 °				

Wellbore	OH / 73768				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	2024-02-26	5.733	59.298	46,832.02942088

Design	Surveys (Noram 25)				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	181.15	

Survey Program	Date	2024-02-21			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
194.00	19,470.00	Phoenix MWD Surveys (OH / 73768)	MWD+HRGM	OWSG MWD + HRGM	

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)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
194.00	1.55	229.99	193.98	-1.69	-2.01	1.73	0.80	0.80	0.00	
First Phoenix MWD Survey										
225.00	1.56	230.59	224.96	-2.22	-2.66	2.28	0.06	0.03	1.94	
318.00	1.13	219.55	317.94	-3.74	-4.22	3.82	0.54	-0.46	-11.87	
414.00	0.93	88.71	413.93	-4.45	-4.04	4.53	1.95	-0.21	-136.29	
509.00	3.58	68.09	508.85	-3.32	-0.52	3.33	2.87	2.79	-21.71	
603.00	5.47	65.55	602.55	-0.37	6.28	0.25	2.02	2.01	-2.70	
697.00	6.73	70.44	696.02	3.33	15.55	-3.64	1.45	1.34	5.20	
791.00	9.78	73.93	789.04	7.38	28.42	-7.95	3.29	3.24	3.71	

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Wellbore:	OH / 73768	Survey Calculation Method:	Minimum Curvature
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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)
886.00	12.70	76.03	882.20	12.14	46.31	-13.06	3.10	3.07	2.21
980.00	17.48	88.51	972.96	15.00	70.47	-16.41	6.12	5.09	13.28
1,073.00	17.40	90.03	1,061.69	15.36	98.34	-17.33	0.50	-0.09	1.63
1,167.00	16.59	92.57	1,151.58	14.75	125.80	-17.27	1.17	-0.86	2.70
1,262.00	15.92	94.46	1,242.78	13.13	152.34	-16.18	0.90	-0.71	1.99
1,291.00	15.77	95.35	1,270.68	12.45	160.23	-15.66	0.98	-0.52	3.07
1,423.00	16.47	93.40	1,397.49	9.67	196.76	-13.61	0.67	0.53	-1.48
1,517.00	20.32	92.61	1,486.67	8.13	226.38	-12.67	4.10	4.10	-0.84
1,611.00	24.04	93.65	1,573.70	6.17	261.81	-11.42	3.98	3.96	1.11
1,706.00	27.30	93.50	1,659.31	3.61	302.87	-9.68	3.43	3.43	-0.16
1,799.00	29.47	92.84	1,741.13	1.17	347.01	-8.14	2.36	2.33	-0.71
1,894.00	29.53	93.41	1,823.81	-1.38	393.72	-6.52	0.30	0.06	0.60
1,987.00	29.62	93.95	1,904.70	-4.33	439.53	-4.50	0.30	0.10	0.58
2,081.00	29.73	93.84	1,986.37	-7.49	485.96	-2.27	0.13	0.12	-0.12
2,175.00	29.86	89.33	2,067.95	-8.77	532.62	-1.92	2.39	0.14	-4.80
2,269.00	30.26	89.88	2,149.31	-8.45	579.70	-3.19	0.52	0.43	0.59
2,364.00	30.29	89.31	2,231.35	-8.11	627.60	-4.48	0.30	0.03	-0.60
2,458.00	29.17	87.25	2,312.98	-6.73	674.19	-6.80	1.61	-1.19	-2.19
2,552.00	29.52	87.74	2,394.92	-4.72	720.21	-9.74	0.45	0.37	0.52
2,645.00	29.49	87.89	2,475.86	-2.97	765.98	-12.40	0.09	-0.03	0.16
2,740.00	29.25	88.03	2,558.65	-1.31	812.54	-15.00	0.26	-0.25	0.15
2,834.00	29.00	88.44	2,640.76	0.10	858.27	-17.32	0.34	-0.27	0.44
2,928.00	28.69	88.58	2,723.10	1.28	903.60	-19.41	0.34	-0.33	0.15
3,021.00	28.49	88.54	2,804.76	2.40	948.09	-21.42	0.22	-0.22	-0.04
3,115.00	28.63	89.09	2,887.32	3.33	993.02	-23.26	0.32	0.15	0.59
3,209.00	29.15	91.30	2,969.62	3.16	1,038.43	-24.00	1.26	0.55	2.35
3,303.00	28.88	91.04	3,051.83	2.23	1,084.01	-23.99	0.32	-0.29	-0.28
3,396.00	28.78	91.12	3,133.30	1.39	1,128.85	-24.04	0.12	-0.11	0.09
3,491.00	28.26	90.84	3,216.77	0.61	1,174.20	-24.18	0.57	-0.55	-0.29
3,585.00	27.58	91.14	3,299.83	-0.15	1,218.21	-24.30	0.74	-0.72	0.32
3,679.00	27.33	90.90	3,383.24	-0.92	1,261.54	-24.40	0.29	-0.27	-0.26
3,772.00	27.09	91.26	3,465.95	-1.72	1,304.06	-24.45	0.31	-0.26	0.39
3,867.00	26.91	91.08	3,550.60	-2.60	1,347.18	-24.44	0.21	-0.19	-0.19
3,962.00	26.86	93.22	3,635.33	-4.21	1,390.10	-23.69	1.02	-0.05	2.25
4,055.00	28.29	96.95	3,717.77	-8.06	1,432.96	-20.70	2.41	1.54	4.01
4,150.00	27.39	96.72	3,801.77	-13.34	1,477.01	-16.30	0.95	-0.95	-0.24
4,243.00	26.79	96.92	3,884.57	-18.37	1,519.06	-12.12	0.65	-0.65	0.22
4,337.00	26.21	97.38	3,968.69	-23.59	1,560.68	-7.74	0.65	-0.62	0.49
4,430.00	27.34	94.23	4,051.73	-27.80	1,602.34	-4.36	1.95	1.22	-3.39
4,523.00	28.23	93.24	4,134.00	-30.62	1,645.60	-2.41	1.08	0.96	-1.06
4,617.00	28.56	93.50	4,216.69	-33.25	1,690.23	-0.68	0.37	0.35	0.28
4,711.00	28.72	92.78	4,299.19	-35.72	1,735.21	0.88	0.40	0.17	-0.77
4,805.00	27.81	91.37	4,381.99	-37.34	1,779.69	1.61	1.20	-0.97	-1.50

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Survey

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4,899.00	27.99	91.25	4,465.06	-38.34	1,823.67	1.73	0.20	0.19	-0.13
4,992.00	25.79	90.15	4,548.00	-38.87	1,865.72	1.42	2.43	-2.37	-1.18
5,086.00	21.96	93.77	4,633.94	-40.08	1,903.73	1.86	4.36	-4.07	3.85
5,180.00	18.10	93.99	4,722.24	-42.25	1,935.84	3.39	4.11	-4.11	0.23
5,272.00	16.37	87.47	4,810.12	-42.67	1,963.06	3.27	2.82	-1.88	-7.09
5,366.00	15.95	87.46	4,900.40	-41.52	1,989.19	1.59	0.45	-0.45	-0.01
5,460.00	15.37	86.79	4,990.91	-40.25	2,014.53	-0.19	0.65	-0.62	-0.71
5,517.00	12.79	84.70	5,046.20	-39.24	2,028.36	-1.48	4.61	-4.53	-3.67
5,612.00	12.87	84.83	5,138.82	-37.32	2,049.37	-3.82	0.09	0.08	0.14
5,707.00	9.12	85.92	5,232.06	-35.83	2,067.42	-5.67	3.95	-3.95	1.15
5,801.00	6.43	88.31	5,325.19	-35.14	2,080.11	-6.61	2.88	-2.86	2.54
5,896.00	5.56	88.71	5,419.67	-34.88	2,090.03	-7.07	0.92	-0.92	0.42
5,989.00	1.54	107.28	5,512.47	-35.15	2,095.73	-6.92	4.44	-4.32	19.97
6,083.00	1.19	212.31	5,606.46	-36.35	2,096.42	-5.73	2.32	-0.37	111.73
6,176.00	1.30	208.49	5,699.44	-38.09	2,095.40	-3.97	0.15	0.12	-4.11
6,270.00	1.19	196.16	5,793.41	-39.97	2,094.62	-2.08	0.31	-0.12	-13.12
6,363.00	1.12	186.80	5,886.40	-41.80	2,094.24	-0.24	0.22	-0.08	-10.06
6,457.00	0.72	216.86	5,980.38	-43.18	2,093.78	1.15	0.65	-0.43	31.98
6,550.00	0.56	202.63	6,073.38	-44.07	2,093.25	2.05	0.24	-0.17	-15.30
6,644.00	0.81	198.69	6,167.37	-45.12	2,092.86	3.11	0.27	0.27	-4.19
6,738.00	0.69	144.67	6,261.36	-46.22	2,092.98	4.20	0.73	-0.13	-57.47
6,832.00	0.58	100.58	6,355.36	-46.77	2,093.77	4.73	0.52	-0.12	-46.90
6,927.00	0.73	87.27	6,450.35	-46.82	2,094.85	4.77	0.22	0.16	-14.01
7,021.00	0.49	102.94	6,544.35	-46.89	2,095.84	4.81	0.31	-0.26	16.67
7,115.00	0.54	89.09	6,638.34	-46.97	2,096.67	4.88	0.14	0.05	-14.73
7,209.00	0.43	79.66	6,732.34	-46.90	2,097.46	4.79	0.14	-0.12	-10.03
7,304.00	1.01	80.99	6,827.33	-46.70	2,098.64	4.57	0.61	0.61	1.40
7,397.00	1.05	93.45	6,920.32	-46.63	2,100.30	4.46	0.24	0.04	13.40
7,490.00	0.67	108.36	7,013.31	-46.85	2,101.67	4.66	0.47	-0.41	16.03
7,585.00	2.16	248.36	7,108.29	-47.68	2,100.53	5.52	2.85	1.57	147.37
7,679.00	2.27	237.51	7,202.22	-49.34	2,097.31	7.23	0.46	0.12	-11.54
7,772.00	1.02	227.99	7,295.18	-50.88	2,095.15	8.82	1.37	-1.34	-10.24
7,866.00	0.55	339.47	7,389.17	-51.02	2,094.37	8.97	1.41	-0.50	118.60
7,960.00	0.94	347.12	7,483.16	-49.84	2,094.04	7.81	0.43	0.41	8.14
8,054.00	0.96	351.73	7,577.15	-48.31	2,093.75	6.28	0.08	0.02	4.90
8,149.00	0.53	2.57	7,672.14	-47.09	2,093.66	5.06	0.47	-0.45	11.41
8,242.00	0.25	301.19	7,765.14	-46.55	2,093.50	4.53	0.50	-0.30	-66.00
8,336.00	1.81	161.87	7,859.13	-47.86	2,093.79	5.83	2.13	1.66	-148.21
8,430.00	11.07	181.30	7,952.44	-58.31	2,094.05	16.27	9.98	9.85	20.67
8,523.00	21.14	184.82	8,041.68	-84.02	2,092.43	42.00	10.87	10.83	3.78
8,617.00	27.73	180.13	8,127.22	-122.82	2,090.95	80.83	7.30	7.01	-4.99
8,711.00	30.78	178.00	8,209.22	-168.74	2,091.74	126.73	3.43	3.24	-2.27
8,806.00	39.41	180.30	8,286.88	-223.30	2,092.44	181.26	9.19	9.08	2.42

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8,900.00	47.65	180.84	8,354.97	-287.98	2,091.77	245.94	8.77	8.77	0.57	
8,995.00	52.58	176.82	8,415.89	-360.81	2,093.35	318.72	6.12	5.19	-4.23	
9,081.39	62.82	176.04	8,461.99	-433.59	2,097.92	391.39	11.88	11.85	-0.90	
FTP: 9081.39' MD, 8461.99' TVD										
9,089.00	63.72	175.98	8,465.41	-440.37	2,098.39	398.16	11.88	11.85	-0.80	
9,182.00	77.65	176.09	8,496.10	-527.71	2,104.44	485.37	14.98	14.98	0.12	
9,276.00	86.34	179.40	8,509.18	-620.62	2,108.07	578.18	9.88	9.24	3.52	
9,370.00	89.18	180.32	8,512.85	-714.54	2,108.30	672.08	3.18	3.02	0.98	
9,464.00	90.84	179.89	8,512.84	-808.53	2,108.13	766.06	1.82	1.77	-0.46	
9,595.00	89.64	182.53	8,512.29	-939.49	2,105.36	897.04	2.21	-0.92	2.02	
9,689.00	89.61	184.60	8,512.90	-1,033.30	2,099.52	990.95	2.20	-0.03	2.20	
9,784.00	89.79	184.98	8,513.40	-1,127.97	2,091.58	1,085.76	0.44	0.19	0.40	
9,877.00	89.99	183.99	8,513.58	-1,220.68	2,084.31	1,178.60	1.09	0.22	-1.06	
9,970.00	90.35	183.88	8,513.30	-1,313.46	2,077.93	1,271.49	0.40	0.39	-0.12	
10,064.00	90.69	183.72	8,512.45	-1,407.25	2,071.70	1,365.39	0.40	0.36	-0.17	
10,159.00	90.95	182.76	8,511.09	-1,502.09	2,066.33	1,460.31	1.05	0.27	-1.01	
10,253.00	90.76	182.48	8,509.69	-1,595.98	2,062.03	1,554.27	0.36	-0.20	-0.30	
10,347.00	90.70	182.69	8,508.49	-1,689.87	2,057.80	1,648.23	0.23	-0.06	0.22	
10,441.00	90.79	182.52	8,507.27	-1,783.77	2,053.52	1,742.19	0.20	0.10	-0.18	
10,535.00	90.75	182.24	8,506.00	-1,877.68	2,049.62	1,836.16	0.30	-0.04	-0.30	
10,629.00	90.79	181.62	8,504.74	-1,971.62	2,046.45	1,930.15	0.66	0.04	-0.66	
10,723.00	90.69	179.77	8,503.53	-2,065.60	2,045.31	2,024.13	1.97	-0.11	-1.97	
10,817.00	90.89	179.73	8,502.23	-2,159.59	2,045.72	2,118.10	0.22	0.21	-0.04	
10,911.00	90.62	179.54	8,500.99	-2,253.58	2,046.32	2,212.05	0.35	-0.29	-0.20	
11,004.00	90.64	178.61	8,499.97	-2,346.56	2,047.82	2,304.99	1.00	0.02	-1.00	
11,098.00	90.72	178.64	8,498.85	-2,440.53	2,050.08	2,398.89	0.09	0.09	0.03	
11,192.00	90.79	179.12	8,497.62	-2,534.50	2,051.92	2,492.81	0.52	0.07	0.51	
11,286.00	90.56	179.93	8,496.51	-2,628.49	2,052.70	2,586.76	0.90	-0.24	0.86	
11,381.00	90.53	180.76	8,495.60	-2,723.48	2,052.12	2,681.75	0.87	-0.03	0.87	
11,475.00	90.44	180.97	8,494.81	-2,817.47	2,050.71	2,775.74	0.24	-0.10	0.22	
11,569.00	90.47	180.83	8,494.06	-2,911.45	2,049.23	2,869.74	0.15	0.03	-0.15	
11,663.00	90.73	179.79	8,493.08	-3,005.44	2,048.72	2,963.72	1.14	0.28	-1.11	
11,756.00	90.58	179.61	8,492.01	-3,098.44	2,049.21	3,056.69	0.25	-0.16	-0.19	
11,849.00	90.70	180.64	8,490.98	-3,191.43	2,049.00	3,149.66	1.11	0.13	1.11	
11,944.00	90.64	181.07	8,489.86	-3,286.41	2,047.59	3,244.66	0.46	-0.06	0.45	
12,038.00	90.70	181.24	8,488.77	-3,380.39	2,045.69	3,338.65	0.19	0.06	0.18	
12,131.00	90.61	181.12	8,487.70	-3,473.36	2,043.78	3,431.64	0.16	-0.10	-0.13	
12,225.00	91.04	181.01	8,486.35	-3,567.33	2,042.03	3,525.63	0.47	0.46	-0.12	
12,319.00	91.09	181.00	8,484.60	-3,661.30	2,040.38	3,619.62	0.05	0.05	-0.01	
12,412.00	91.16	180.66	8,482.78	-3,754.28	2,039.04	3,712.60	0.37	0.08	-0.37	
12,506.00	91.22	180.61	8,480.82	-3,848.25	2,037.99	3,806.57	0.08	0.06	-0.05	
12,600.00	91.09	181.25	8,478.93	-3,942.22	2,036.47	3,900.55	0.69	-0.14	0.68	
12,694.00	90.75	181.83	8,477.42	-4,036.17	2,033.94	3,994.54	0.72	-0.36	0.62	
12,789.00	90.36	182.23	8,476.50	-4,131.11	2,030.58	4,089.52	0.59	-0.41	0.42	

Company:	Vencer Energy	Local Co-ordinate Reference:	Well University 23-26B 6B
Project:	Upton County, TX (NAD27 TC)	TVD Reference:	RKB @ 2980.70usft (Noram 25)
Site:	University 23-26	MD Reference:	RKB @ 2980.70usft (Noram 25)
Well:	University 23-26B 6B	North Reference:	Grid
Wellbore:	OH / 73768	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Noram 25)	Database:	USAEDMDB

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)
12,881.00	90.10	182.70	8,476.13	-4,223.02	2,026.62	4,181.50	0.58	-0.28	0.51
12,976.00	90.21	182.92	8,475.87	-4,317.91	2,021.96	4,276.46	0.26	0.12	0.23
13,071.00	90.53	184.30	8,475.26	-4,412.71	2,015.98	4,371.36	1.49	0.34	1.45
13,164.00	90.44	187.75	8,474.47	-4,505.18	2,006.22	4,464.01	3.71	-0.10	3.71
13,258.00	89.51	182.82	8,474.51	-4,598.75	1,997.57	4,557.74	5.34	-0.99	-5.24
13,351.00	90.78	181.54	8,474.28	-4,691.68	1,994.03	4,650.72	1.94	1.37	-1.38
13,445.00	90.56	183.37	8,473.18	-4,785.58	1,990.00	4,744.68	1.96	-0.23	1.95
13,539.00	90.64	181.85	8,472.19	-4,879.48	1,985.72	4,838.64	1.62	0.09	-1.62
13,633.00	90.59	181.68	8,471.19	-4,973.43	1,982.83	4,932.63	0.19	-0.05	-0.18
13,727.00	90.82	182.58	8,470.03	-5,067.36	1,979.33	5,026.61	0.99	0.24	0.96
13,821.00	91.18	181.24	8,468.39	-5,161.29	1,976.20	5,120.59	1.48	0.38	-1.43
13,915.00	90.90	180.14	8,466.68	-5,255.26	1,975.07	5,214.57	1.21	-0.30	-1.17
14,008.00	90.98	178.50	8,465.16	-5,348.24	1,976.17	5,307.50	1.77	0.09	-1.76
14,102.00	90.76	177.56	8,463.73	-5,442.17	1,979.40	5,401.35	1.03	-0.23	-1.00
14,196.00	90.76	179.68	8,462.48	-5,536.13	1,981.67	5,495.25	2.26	0.00	2.26
14,290.00	90.65	180.72	8,461.33	-5,630.12	1,981.34	5,589.22	1.11	-0.12	1.11
14,384.00	90.52	179.66	8,460.37	-5,724.12	1,981.03	5,683.21	1.14	-0.14	-1.13
14,477.00	90.58	180.06	8,459.47	-5,817.11	1,981.26	5,776.18	0.43	0.06	0.43
14,571.00	90.42	179.03	8,458.65	-5,911.10	1,982.00	5,870.14	1.11	-0.17	-1.10
14,664.00	90.59	180.61	8,457.83	-6,004.10	1,982.29	5,963.10	1.71	0.18	1.70
14,759.00	90.56	180.79	8,456.88	-6,099.09	1,981.13	6,058.10	0.19	-0.03	0.19
14,851.00	90.55	179.39	8,455.99	-6,191.08	1,980.99	6,150.07	1.52	-0.01	-1.52
14,944.00	90.32	179.31	8,455.28	-6,284.07	1,982.04	6,243.03	0.26	-0.25	-0.09
15,038.00	90.39	178.83	8,454.70	-6,378.06	1,983.57	6,336.96	0.52	0.07	-0.51
15,132.00	90.22	176.88	8,454.20	-6,471.98	1,987.09	6,430.80	2.08	-0.18	-2.07
15,226.00	90.73	179.95	8,453.42	-6,565.93	1,989.69	6,524.68	3.31	0.54	3.27
15,319.00	89.79	178.13	8,453.00	-6,658.91	1,991.25	6,617.61	2.20	-1.01	-1.96
15,413.00	92.24	183.74	8,451.33	-6,752.84	1,989.71	6,711.55	6.51	2.61	5.97
15,507.00	90.15	184.63	8,449.37	-6,846.57	1,982.86	6,805.39	2.42	-2.22	0.95
15,601.00	90.35	184.97	8,448.96	-6,940.23	1,974.99	6,899.20	0.42	0.21	0.36
15,693.00	90.36	185.73	8,448.39	-7,031.83	1,966.41	6,990.95	0.83	0.01	0.83
15,787.00	89.96	185.23	8,448.13	-7,125.40	1,957.44	7,084.68	0.68	-0.43	-0.53
15,881.00	90.36	182.75	8,447.87	-7,219.17	1,950.90	7,178.56	2.67	0.43	-2.64
15,974.00	90.35	180.16	8,447.29	-7,312.13	1,948.53	7,271.55	2.78	-0.01	-2.78
16,068.00	90.45	179.74	8,446.63	-7,406.12	1,948.62	7,365.52	0.46	0.11	-0.45
16,162.00	90.52	179.84	8,445.84	-7,500.12	1,948.96	7,459.49	0.13	0.07	0.11
16,256.00	90.78	180.10	8,444.77	-7,594.11	1,949.01	7,553.47	0.39	0.28	0.28
16,350.00	90.70	179.94	8,443.56	-7,688.10	1,948.98	7,647.44	0.19	-0.09	-0.17
16,444.00	90.72	181.08	8,442.39	-7,782.09	1,948.14	7,741.43	1.21	0.02	1.21
16,537.00	90.84	181.34	8,441.13	-7,875.06	1,946.18	7,834.42	0.31	0.13	0.28
16,631.00	90.92	180.74	8,439.68	-7,969.04	1,944.47	7,928.41	0.64	0.09	-0.64
16,725.00	90.86	181.10	8,438.22	-8,063.01	1,942.96	8,022.39	0.39	-0.06	0.38
16,819.00	90.96	181.26	8,436.73	-8,156.98	1,941.03	8,116.38	0.20	0.11	0.17

Company:	Vencer Energy	Local Co-ordinate Reference:	Well University 23-26B 6B
Project:	Upton County, TX (NAD27 TC)	TVD Reference:	RKB @ 2980.70usft (Noram 25)
Site:	University 23-26	MD Reference:	RKB @ 2980.70usft (Noram 25)
Well:	University 23-26B 6B	North Reference:	Grid
Wellbore:	OH / 73768	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Noram 25)	Database:	USAEDMDB

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)
16,913.00	90.42	181.79	8,435.60	-8,250.94	1,938.53	8,210.37	0.80	-0.57	0.56
17,006.00	90.32	182.26	8,435.00	-8,343.88	1,935.24	8,303.36	0.52	-0.11	0.51
17,100.00	90.35	182.35	8,434.45	-8,437.80	1,931.46	8,397.34	0.10	0.03	0.10
17,194.00	90.41	182.40	8,433.82	-8,531.72	1,927.56	8,491.31	0.08	0.06	0.05
17,288.00	90.50	183.47	8,433.08	-8,625.59	1,922.75	8,585.26	1.14	0.10	1.14
17,383.00	90.30	182.51	8,432.41	-8,720.46	1,917.80	8,680.21	1.03	-0.21	-1.01
17,476.00	90.39	183.04	8,431.85	-8,813.35	1,913.29	8,773.17	0.58	0.10	0.57
17,570.00	90.22	181.42	8,431.35	-8,907.27	1,909.64	8,867.15	1.73	-0.18	-1.72
17,663.00	90.41	181.46	8,430.84	-9,000.24	1,907.30	8,960.15	0.21	0.20	0.04
17,757.00	90.32	181.07	8,430.24	-9,094.22	1,905.22	9,054.15	0.43	-0.10	-0.41
17,851.00	90.35	180.43	8,429.69	-9,188.21	1,903.99	9,148.14	0.68	0.03	-0.68
17,945.00	90.33	180.32	8,429.14	-9,282.20	1,903.38	9,242.13	0.12	-0.02	-0.12
18,038.00	90.35	180.66	8,428.58	-9,375.20	1,902.58	9,335.12	0.37	0.02	0.37
18,132.00	90.55	180.47	8,427.85	-9,469.19	1,901.66	9,429.12	0.29	0.21	-0.20
18,226.00	90.41	180.80	8,427.06	-9,563.18	1,900.61	9,523.11	0.38	-0.15	0.35
18,320.00	91.16	180.43	8,425.77	-9,657.16	1,899.61	9,617.09	0.89	0.80	-0.39
18,413.00	91.12	180.48	8,423.92	-9,750.14	1,898.87	9,710.07	0.07	-0.04	0.05
18,507.00	91.41	180.60	8,421.85	-9,844.12	1,897.98	9,804.04	0.33	0.31	0.13
18,600.00	91.92	181.48	8,419.14	-9,937.06	1,896.29	9,897.00	1.09	0.55	0.95
18,693.00	90.89	179.50	8,416.86	-10,030.02	1,895.50	9,989.96	2.40	-1.11	-2.13
18,787.00	90.92	179.59	8,415.38	-10,124.01	1,896.25	10,083.91	0.10	0.03	0.10
18,881.00	90.76	182.00	8,414.00	-10,217.98	1,894.94	10,177.89	2.57	-0.17	2.56
18,976.00	90.96	180.61	8,412.57	-10,312.94	1,892.78	10,272.88	1.48	0.21	-1.46
19,070.00	90.95	180.12	8,411.01	-10,406.93	1,892.18	10,366.86	0.52	-0.01	-0.52
19,162.00	90.96	179.29	8,409.47	-10,498.91	1,892.65	10,458.81	0.90	0.01	-0.90
19,256.00	90.81	179.09	8,408.02	-10,592.89	1,893.98	10,552.75	0.27	-0.16	-0.21
19,349.00	90.92	179.42	8,406.62	-10,685.88	1,895.19	10,645.69	0.37	0.12	0.35
19,445.00	90.92	179.53	8,405.08	-10,781.86	1,896.07	10,741.63	0.11	0.00	0.11
Final Phoenix MWD Survey									
19,470.00	90.92	179.53	8,404.68	-10,806.86	1,896.28	10,766.62	0.00	0.00	0.00
Projection to TD									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
194.00	193.98	-1.69	-2.01	First Phoenix MWD Survey
9,081.39	8,461.99	-433.59	2,097.92	FTP: 9081.39' MD, 8461.99' TVD
19,445.00	8,405.08	-10,781.86	1,896.07	Final Phoenix MWD Survey
19,470.00	8,404.68	-10,806.86	1,896.28	Projection to TD