



Company: Elevation Resources, LLC
Field: Andrews County, TX
Location: Sec 24, Blk 1
Well: University 1-24 South Unit #6H
Original Wellbore
Plan: Design #4
RKB @ 3154.00usft



WELL DETAILS: University 1-24 South Unit #6H

+N/-S +E/-W Northing Ground Level: Easting 3124.00 Latitude 32° 11' 27.248 N Longitude 102° 29' 2.526 W Slot

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	11444.00	87.82	167.73	11183.36	-504.37	90.58	0.00	0.00	512.02	
2	11544.00	87.82	167.73	11187.16	-602.02	111.82	0.00	0.00	611.94	
3	11647.98	89.32	167.30	11189.76	-703.51	134.29	1.50	-15.94	715.89	
4	12932.19	89.32	167.30	11205.00	-1956.22	416.56	0.00	0.00	2000.00	WP2 (Univ. 1-24 #6H Rev 15Jun16)
5	12965.84	88.82	167.29	11205.55	-1989.04	423.96	1.50	-179.20	2033.64	
6	18501.09	88.82	167.29	11320.00	-7387.60	1641.10	0.00	0.00	7567.68	BHL (Univ. 1-24 #6H)

ANNOTATIONS

TVD	MD	Annotation
11183.36	11444.00	Tie-In to MWD Survey @ 11444'MD
11187.16	11544.00	Build and Turn 1.5°/100' @ 11544'MD
11189.76	11647.98	Hold 89.32° Inc
11205.00	12932.19	Drop 1.5°/100' @ 12932'MD
11205.62	12969.29	Hold 88.76° Inc
11320.00	18501.09	Well TD @ 18501'MD

PROJECT DETAILS: Andrews County, TX

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: Texas North Central 4202

System Datum: Mean Sea Level

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1850.00	1850.04	Rustler
3090.00	3090.14	Yates
4550.00	4550.18	San Andres
6715.00	6715.23	Clearfork
8445.00	8446.51	Wolfcamp
10590.00	10592.22	Mississippi Lime
10950.00	10965.78	Woodford Shale
11030.00	11062.07	Devonian

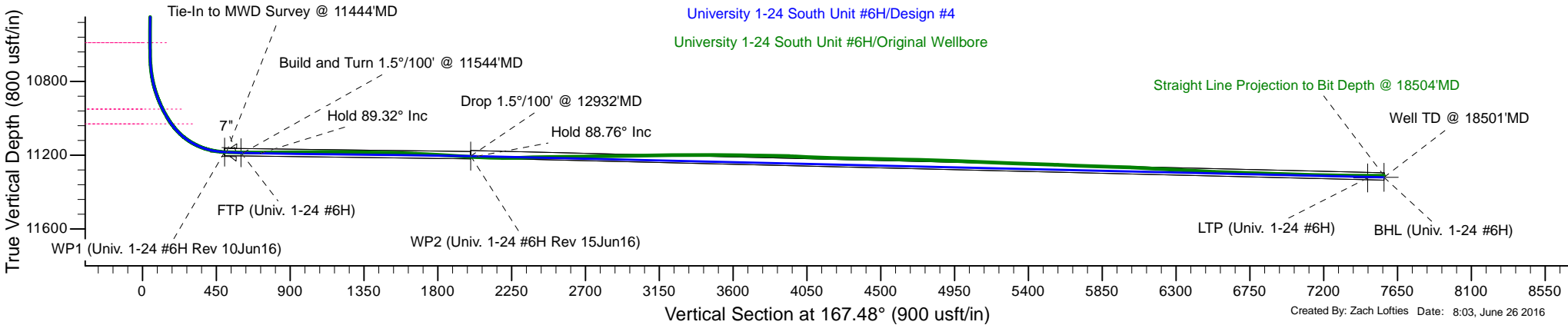
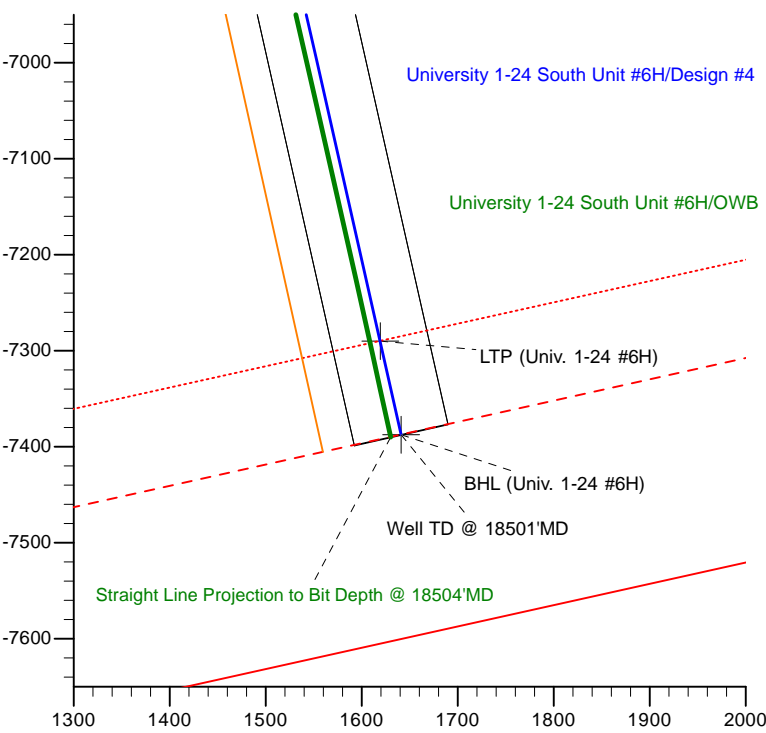
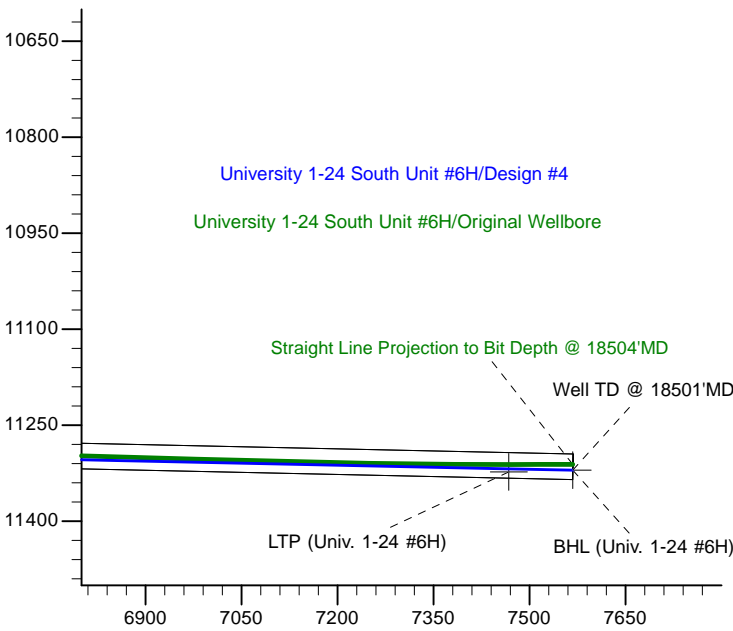
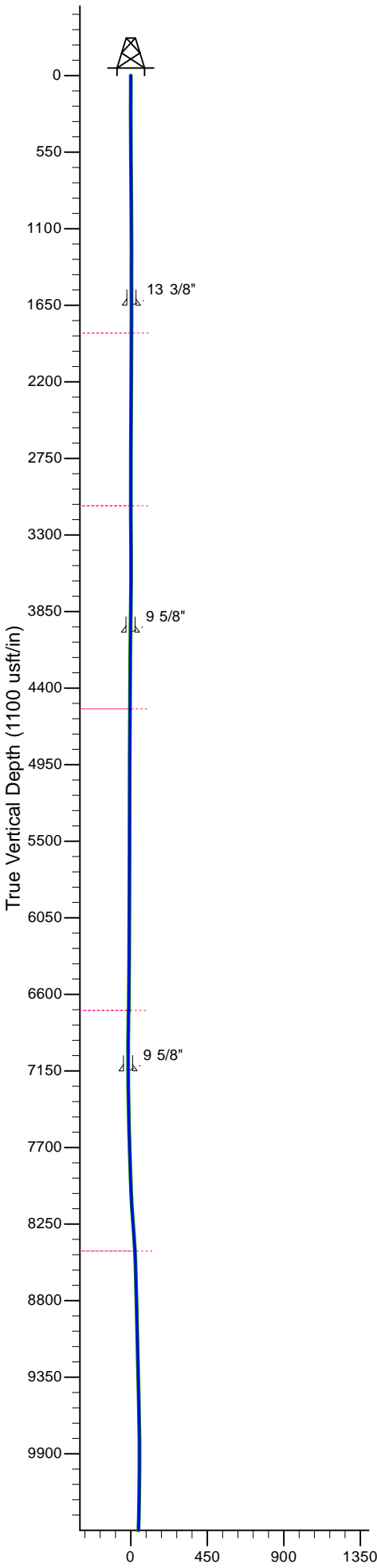


Azimuths to Grid North
True North: 2.72°
Magnetic North: 9.27°

Magnetic Field
Strength: 48141.5snT
Dip Angle: 60.22°
Date: 5/25/2016
Model: IGRF2015

Lease Line	—
208' Offset	- - -
308' Offset	- - - -
330' Offset	- - - - -

Target Window
50' Left / Right
25' Up / 15' Down



Created By: Zach Lofties Date: 8:03, June 26 2016

Elevation Resources, LLC

Andrews County, TX

Sec 24, Blk 1

University 1-24 South Unit #6H

Original Wellbore

Design: Original Wellbore

Standard Survey Report

26 June, 2016

Survey Report

Company:	Elevation Resources, LLC	Local Co-ordinate Reference:	Well University 1-24 South Unit #6H
Project:	Andrews County, TX	TVD Reference:	RKB @ 3154.00usft
Site:	Sec 24, Blk 1	MD Reference:	RKB @ 3154.00usft
Well:	University 1-24 South Unit #6H	North Reference:	Grid
Wellbore:	Original Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	Original Wellbore	Database:	EDM 5000.1 Single User Db

Project	Andrews County, TX		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Texas North Central 4202		

Site	Sec 24, Blk 1		
Site Position:		Northing:	227,291.60 usft
From:	Map	Easting:	458,647.30 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 11' 27.248 N
		Longitude:	102° 29' 2.526 W
		Grid Convergence:	-2.72 °

Well	University 1-24 South Unit #6H					
Well Position	+N-S	0.00 usft	Northing:	227,291.60 usft	Latitude:	32° 11' 27.248 N
	+E-W	0.00 usft	Easting:	458,647.30 usft	Longitude:	102° 29' 2.526 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	3,124.00 usft

Wellbore	Original Wellbore				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	5/25/2016	6.55	60.22	48,142

Design	Original Wellbore				
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	167.48	

Survey Program	Date	6/26/2016			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
117.00	7,046.00	Survey #1 (Original Wellbore)	MWD	OWSG MWD - Standard	
7,128.00	18,504.00	Survey #2 (Original Wellbore)	MWD	OWSG MWD - Standard	

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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.00	0.42	48.56	117.00	0.28	0.32	-0.21	0.36	0.36	0.00
The Following are NOV FloSurveys									
250.00	0.46	60.14	250.00	0.87	1.15	-0.60	0.07	0.03	8.71
340.00	0.46	98.77	339.99	1.00	1.82	-0.58	0.34	0.00	42.92
402.00	0.57	106.69	401.99	0.87	2.36	-0.34	0.21	0.18	12.77
495.00	0.55	107.23	494.99	0.61	3.23	0.11	0.02	-0.02	0.58
588.00	0.68	108.14	587.98	0.30	4.18	0.61	0.14	0.14	0.98
680.00	0.41	112.43	679.98	0.01	5.00	1.08	0.30	-0.29	4.66
776.00	0.42	121.27	775.97	-0.31	5.62	1.52	0.07	0.01	9.21

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Site:	Sec 24, Blk 1	MD Reference:	RKB @ 3154.00usft
Well:	University 1-24 South Unit #6H	North Reference:	Grid
Wellbore:	Original Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	Original Wellbore	Database:	EDM 5000.1 Single User Db

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)
868.00	0.36	143.93	867.97	-0.72	6.08	2.02	0.18	-0.07	24.63
958.00	0.44	192.26	957.97	-1.28	6.17	2.59	0.37	0.09	53.70
1,047.00	0.41	187.53	1,046.97	-1.93	6.06	3.20	0.05	-0.03	-5.31
1,137.00	0.12	281.44	1,136.97	-2.23	5.93	3.46	0.48	-0.32	104.34
1,227.00	0.07	256.30	1,226.97	-2.23	5.78	3.43	0.07	-0.06	-27.93
1,316.00	0.16	78.98	1,315.97	-2.22	5.85	3.43	0.26	0.10	-199.24
1,406.00	0.36	130.70	1,405.96	-2.38	6.19	3.66	0.32	0.22	57.47
1,495.00	0.20	132.07	1,494.96	-2.66	6.51	4.01	0.18	-0.18	1.54
1,585.00	0.07	189.73	1,584.96	-2.82	6.62	4.19	0.19	-0.14	64.07
1,611.00	0.17	64.91	1,610.96	-2.82	6.65	4.20	0.84	0.38	-480.08
1,764.00	0.11	31.90	1,763.96	-2.60	6.94	4.04	0.06	-0.04	-21.58
1,938.00	0.85	58.31	1,937.96	-1.78	8.12	3.50	0.43	0.43	15.18
2,118.00	1.08	69.67	2,117.93	-0.49	10.85	2.83	0.17	0.13	6.31
2,209.00	0.83	64.26	2,208.92	0.09	12.25	2.56	0.29	-0.27	-5.95
2,297.00	0.85	57.78	2,296.91	0.72	13.37	2.20	0.11	0.02	-7.36
2,478.00	0.92	55.12	2,477.89	2.27	15.70	1.19	0.04	0.04	-1.47
2,657.00	0.63	61.92	2,656.87	3.55	17.75	0.38	0.17	-0.16	3.80
2,745.00	0.36	56.93	2,744.87	3.93	18.41	0.16	0.31	-0.31	-5.67
2,924.00	0.52	96.63	2,923.86	4.14	19.69	0.23	0.19	0.09	22.18
3,104.00	0.04	4.56	3,103.86	4.11	20.50	0.43	0.29	-0.27	-51.15
3,283.00	0.33	186.48	3,282.86	3.66	20.45	0.86	0.21	0.16	-99.49
3,373.00	0.19	165.73	3,372.86	3.26	20.46	1.26	0.19	-0.16	-23.06
3,461.00	0.09	307.03	3,460.86	3.16	20.44	1.35	0.30	-0.11	160.57
3,641.00	0.18	333.80	3,640.86	3.50	20.20	0.97	0.06	0.05	14.87
3,821.00	0.57	5.46	3,820.85	4.64	20.16	-0.16	0.24	0.22	17.59
3,998.00	0.63	43.43	3,997.84	6.23	20.91	-1.54	0.22	0.03	21.45
4,176.00	0.53	34.00	4,175.83	7.62	22.05	-2.66	0.08	-0.06	-5.30
4,314.00	0.35	17.85	4,313.83	8.55	22.53	-3.46	0.16	-0.13	-11.70
4,444.00	0.51	15.86	4,443.83	9.48	22.81	-4.31	0.12	0.12	-1.53
4,626.00	0.56	25.76	4,625.82	11.06	23.42	-5.72	0.06	0.03	5.44
4,717.00	0.30	11.00	4,716.82	11.70	23.66	-6.29	0.31	-0.29	-16.22
4,804.00	0.14	358.51	4,803.82	12.03	23.70	-6.60	0.19	-0.18	-14.36
4,986.00	0.08	329.33	4,985.82	12.36	23.63	-6.94	0.04	-0.03	-16.03
5,075.00	0.24	326.74	5,074.82	12.57	23.49	-7.17	0.18	0.18	-2.91
5,165.00	0.06	304.05	5,164.81	12.75	23.35	-7.39	0.21	-0.20	-25.21
5,254.00	0.23	304.22	5,253.81	12.88	23.17	-7.55	0.19	0.19	0.19
5,344.00	0.32	312.06	5,343.81	13.15	22.83	-7.89	0.11	0.10	8.71
5,523.00	0.07	312.90	5,522.81	13.56	22.38	-8.38	0.14	-0.14	0.47
5,702.00	0.25	278.83	5,701.81	13.69	21.91	-8.62	0.11	0.10	-19.03
5,880.00	0.17	24.36	5,879.81	13.99	21.64	-8.97	0.19	-0.04	59.29
5,971.00	0.17	88.78	5,970.81	14.12	21.83	-9.05	0.20	0.00	70.79
6,061.00	0.28	71.32	6,060.81	14.19	22.17	-9.05	0.14	0.12	-19.40
6,150.00	0.23	349.70	6,149.81	14.44	22.34	-9.25	0.38	-0.06	-91.71

Survey Report

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Well:	University 1-24 South Unit #6H	North Reference:	Grid
Wellbore:	Original Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	Original Wellbore	Database:	EDM 5000.1 Single User Db

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)
6,328.00	0.04	2.16	6,327.81	14.85	22.28	-9.67	0.11	-0.11	7.00
6,419.00	0.33	208.04	6,418.81	14.65	22.16	-9.50	0.40	0.32	-169.36
6,508.00	0.84	12.11	6,507.81	15.06	22.18	-9.90	1.30	0.57	184.35
6,641.00	1.08	27.25	6,640.79	17.13	22.96	-11.75	0.26	0.18	11.38
6,776.00	1.43	34.88	6,775.75	19.64	24.50	-13.86	0.29	0.26	5.65
6,867.00	1.96	55.39	6,866.72	21.46	26.43	-15.22	0.88	0.58	22.54
6,957.00	1.88	65.58	6,956.67	22.94	29.04	-16.10	0.39	-0.09	11.32
7,046.00	1.08	72.01	7,045.63	23.81	31.17	-16.48	0.92	-0.90	7.22
Tie-In to NOV FloSurvey @ 7046' MD									
7,128.00	0.30	159.42	7,127.63	23.84	31.98	-16.34	1.35	-0.95	106.60
The Following are Legacy Directional MWD Surveys									
7,308.00	1.28	219.33	7,307.61	21.85	30.87	-14.63	0.64	0.54	33.28
7,487.00	1.47	218.44	7,486.56	18.50	28.18	-11.95	0.11	0.11	-0.50
7,665.00	1.89	213.01	7,664.48	14.25	25.16	-8.46	0.25	0.24	-3.05
7,845.00	2.12	206.52	7,844.37	8.79	22.05	-3.79	0.18	0.13	-3.61
8,024.00	1.96	175.00	8,023.27	2.77	20.84	1.81	0.62	-0.09	-17.61
8,203.00	4.41	203.96	8,201.99	-6.57	18.31	10.38	1.60	1.37	16.18
8,383.00	3.33	188.61	8,381.58	-18.06	14.72	20.82	0.83	-0.60	-8.53
8,562.00	1.69	199.94	8,560.40	-25.68	13.04	27.90	0.95	-0.92	6.33
8,741.00	1.42	206.79	8,739.33	-30.14	11.14	31.84	0.18	-0.15	3.83
8,920.00	1.32	207.24	8,918.28	-33.96	9.20	35.14	0.06	-0.06	0.25
9,099.00	1.44	200.84	9,097.23	-37.89	7.46	38.61	0.11	0.07	-3.58
9,278.00	1.36	203.78	9,276.18	-41.94	5.80	42.20	0.06	-0.04	1.64
9,458.00	1.30	208.98	9,456.13	-45.68	3.95	45.45	0.07	-0.03	2.89
9,637.00	1.29	207.01	9,635.08	-49.25	2.05	48.52	0.03	-0.01	-1.10
9,816.00	0.30	203.33	9,814.06	-51.48	0.95	50.46	0.55	-0.55	-2.06
9,996.00	0.39	256.48	9,994.06	-52.05	0.17	50.85	0.18	0.05	29.53
10,175.00	2.06	275.04	10,173.01	-51.91	-3.63	49.89	0.95	0.93	10.37
10,354.00	2.66	284.75	10,351.86	-50.57	-10.85	47.01	0.40	0.34	5.42
10,533.00	0.63	239.42	10,530.78	-50.01	-15.72	45.42	1.26	-1.13	-25.32
10,623.00	0.59	142.43	10,620.78	-50.63	-15.86	45.99	1.02	-0.04	-107.77
10,664.00	1.03	145.40	10,661.78	-51.10	-15.52	46.52	1.08	1.07	7.24
10,709.00	4.63	144.56	10,706.71	-52.92	-14.24	48.57	8.00	8.00	-1.87
10,754.00	9.02	149.81	10,751.38	-57.45	-11.41	53.61	9.84	9.76	11.67
10,798.00	13.27	151.23	10,794.55	-64.86	-7.24	61.75	9.68	9.66	3.23
10,843.00	18.49	153.65	10,837.81	-75.79	-1.59	73.64	11.69	11.60	5.38
10,888.00	22.48	156.00	10,879.96	-90.05	5.08	89.01	9.05	8.87	5.22
10,933.00	26.12	163.33	10,920.98	-107.41	11.43	107.33	10.49	8.09	16.29
10,978.00	30.51	168.08	10,960.59	-128.09	16.63	128.64	10.96	9.76	10.56
11,023.00	34.07	171.38	10,998.62	-151.73	20.88	152.65	8.83	7.91	7.33
11,067.00	39.69	171.96	11,033.81	-177.85	24.70	178.98	12.80	12.77	1.32
11,112.00	46.04	169.83	11,066.77	-208.05	29.57	209.52	14.47	14.11	-4.73
11,157.00	52.56	167.62	11,096.10	-241.48	36.27	243.60	14.96	14.49	-4.91
11,202.00	59.54	167.87	11,121.22	-277.94	44.18	280.91	15.52	15.51	0.56

Survey Report

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11,246.00	65.35	168.55	11,141.57	-316.11	52.15	319.90	13.28	13.20	1.55
11,291.00	71.32	169.20	11,158.17	-357.13	60.21	361.69	13.33	13.27	1.44
11,336.00	77.45	168.72	11,170.28	-399.64	68.50	404.99	13.66	13.62	-1.07
11,381.00	82.05	168.26	11,178.28	-443.02	77.34	449.25	10.27	10.22	-1.02
11,426.00	87.06	167.53	11,182.55	-486.81	86.73	494.03	11.25	11.13	-1.62
11,444.00	87.82	167.73	11,183.36	-504.37	90.58	512.02	4.37	4.22	1.11
11,509.00	89.50	166.52	11,184.88	-567.72	105.06	576.99	3.18	2.58	-1.86
11,572.00	89.61	166.37	11,185.37	-628.96	119.83	639.98	0.30	0.17	-0.24
11,667.00	89.94	166.13	11,185.74	-721.24	142.41	734.96	0.43	0.35	-0.25
11,761.00	90.81	165.77	11,185.12	-812.42	165.23	828.92	1.00	0.93	-0.38
11,856.00	90.64	165.99	11,183.92	-904.55	188.40	923.88	0.29	-0.18	0.23
11,950.00	90.62	166.92	11,182.89	-995.92	210.41	1,017.86	0.99	-0.02	0.99
12,045.00	90.08	167.83	11,182.31	-1,088.62	231.18	1,112.85	1.11	-0.57	0.96
12,140.00	88.91	168.11	11,183.15	-1,181.53	250.98	1,207.84	1.27	-1.23	0.29
12,234.00	89.97	168.14	11,184.06	-1,273.52	270.32	1,301.83	1.13	1.13	0.03
12,329.00	89.36	168.59	11,184.62	-1,366.56	289.48	1,396.82	0.80	-0.64	0.47
12,423.00	88.12	168.92	11,186.69	-1,458.73	307.80	1,490.77	1.37	-1.32	0.35
12,518.00	88.57	168.82	11,189.43	-1,551.91	326.13	1,585.70	0.49	0.47	-0.11
12,613.00	87.42	168.21	11,192.75	-1,644.95	345.04	1,680.63	1.37	-1.21	-0.64
12,707.00	87.48	168.74	11,196.94	-1,736.96	363.80	1,774.52	0.57	0.06	0.56
12,802.00	87.06	168.98	11,201.46	-1,830.06	382.13	1,869.38	0.51	-0.44	0.25
12,897.00	86.61	168.05	11,206.71	-1,923.02	401.02	1,964.22	1.09	-0.47	-0.98
12,991.00	87.76	166.43	11,211.32	-2,014.58	421.76	2,058.10	2.11	1.22	-1.72
13,086.00	88.99	165.89	11,214.02	-2,106.78	444.47	2,153.04	1.41	1.29	-0.57
13,123.00	88.52	165.82	11,214.82	-2,142.65	453.51	2,190.01	1.28	-1.27	-0.19
13,217.00	91.93	165.50	11,214.45	-2,233.71	476.79	2,283.95	3.64	3.63	-0.34
13,312.00	92.02	165.06	11,211.18	-2,325.54	500.91	2,378.82	0.47	0.09	-0.46
13,406.00	90.34	165.29	11,209.24	-2,416.39	524.96	2,472.72	1.80	-1.79	0.24
13,501.00	90.81	165.46	11,208.29	-2,508.30	548.94	2,567.66	0.53	0.49	0.18
13,596.00	90.73	165.53	11,207.01	-2,600.27	572.74	2,662.59	0.11	-0.08	0.07
13,690.00	91.01	165.55	11,205.58	-2,691.28	596.21	2,756.53	0.30	0.30	0.02
13,785.00	90.64	165.30	11,204.22	-2,783.21	620.11	2,851.46	0.47	-0.39	-0.26
13,883.00	90.34	165.17	11,203.38	-2,877.97	645.09	2,949.38	0.33	-0.31	-0.13
13,978.00	91.12	165.33	11,202.17	-2,969.83	669.27	3,044.30	0.84	0.82	0.17
14,073.00	90.53	166.00	11,200.80	-3,061.86	692.79	3,139.24	0.94	-0.62	0.71
14,167.00	89.72	166.57	11,200.60	-3,153.18	715.07	3,233.22	1.05	-0.86	0.61
14,262.00	90.67	166.73	11,200.27	-3,245.61	737.01	3,328.20	1.01	1.00	0.17
14,357.00	89.89	167.68	11,199.81	-3,338.25	758.05	3,423.20	1.29	-0.82	1.00
14,451.00	90.70	168.01	11,199.32	-3,430.14	777.84	3,517.20	0.93	0.86	0.35
14,546.00	89.44	168.51	11,199.21	-3,523.15	797.17	3,612.19	1.43	-1.33	0.53
14,641.00	88.66	167.84	11,200.78	-3,616.12	816.63	3,707.16	1.08	-0.82	-0.71
14,736.00	89.38	167.77	11,202.41	-3,708.96	836.70	3,802.15	0.76	0.76	-0.07
14,830.00	88.85	169.03	11,203.86	-3,801.03	855.60	3,896.12	1.45	-0.56	1.34

Survey Report

Company:	Elevation Resources, LLC	Local Co-ordinate Reference:	Well University 1-24 South Unit #6H
Project:	Andrews County, TX	TVD Reference:	RKB @ 3154.00usft
Site:	Sec 24, Blk 1	MD Reference:	RKB @ 3154.00usft
Well:	University 1-24 South Unit #6H	North Reference:	Grid
Wellbore:	Original Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	Original Wellbore	Database:	EDM 5000.1 Single User Db

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)
14,925.00	87.17	169.46	11,207.16	-3,894.30	873.31	3,991.02	1.83	-1.77	0.45
15,019.00	87.96	169.31	11,211.15	-3,986.61	890.61	4,084.88	0.86	0.84	-0.16
15,114.00	88.57	169.60	11,214.03	-4,079.96	907.99	4,179.78	0.71	0.64	0.31
15,228.00	88.40	169.12	11,217.04	-4,191.96	929.03	4,293.68	0.45	-0.15	-0.42
15,299.00	88.99	168.95	11,218.66	-4,261.65	942.53	4,364.63	0.86	0.83	-0.24
15,394.00	89.75	168.88	11,219.70	-4,354.87	960.80	4,459.59	0.80	0.80	-0.07
15,488.00	88.21	169.29	11,221.38	-4,447.15	978.59	4,553.54	1.70	-1.64	0.44
15,583.00	88.63	169.34	11,224.00	-4,540.47	996.20	4,648.45	0.45	0.44	0.05
15,678.00	89.24	169.43	11,225.76	-4,633.83	1,013.70	4,743.38	0.65	0.64	0.09
15,772.00	88.29	168.72	11,227.79	-4,726.10	1,031.51	4,837.32	1.26	-1.01	-0.76
15,867.00	88.57	168.99	11,230.39	-4,819.27	1,049.86	4,932.26	0.41	0.29	0.28
15,962.00	87.45	168.28	11,233.69	-4,912.35	1,068.57	5,027.18	1.40	-1.18	-0.75
16,056.00	87.73	168.21	11,237.64	-5,004.30	1,087.71	5,121.09	0.31	0.30	-0.07
16,151.00	88.10	168.07	11,241.10	-5,097.21	1,107.22	5,216.02	0.42	0.39	-0.15
16,246.00	88.15	168.13	11,244.21	-5,190.12	1,126.80	5,310.96	0.08	0.05	0.06
16,341.00	88.29	168.16	11,247.16	-5,283.05	1,146.30	5,405.91	0.15	0.15	0.03
16,435.00	88.38	168.36	11,249.89	-5,375.04	1,165.42	5,499.86	0.23	0.10	0.21
16,530.00	88.04	167.19	11,252.86	-5,467.84	1,185.53	5,594.81	1.28	-0.36	-1.23
16,625.00	87.93	166.97	11,256.20	-5,560.38	1,206.76	5,689.75	0.26	-0.12	-0.23
16,752.00	88.15	167.05	11,260.54	-5,684.06	1,235.29	5,816.67	0.18	0.17	0.06
16,814.00	88.55	166.95	11,262.33	-5,744.44	1,249.23	5,878.65	0.67	0.65	-0.16
16,909.00	88.88	166.80	11,264.46	-5,836.94	1,270.79	5,973.62	0.38	0.35	-0.16
17,004.00	87.06	166.50	11,267.82	-5,929.31	1,292.72	6,068.54	1.94	-1.92	-0.32
17,099.00	86.92	166.60	11,272.81	-6,021.57	1,314.78	6,163.40	0.18	-0.15	0.11
17,193.00	87.34	166.57	11,277.52	-6,112.89	1,336.56	6,257.27	0.45	0.45	-0.03
17,288.00	87.43	166.32	11,281.85	-6,205.15	1,358.80	6,352.16	0.28	0.09	-0.26
17,383.00	87.45	166.52	11,286.09	-6,297.40	1,381.09	6,447.05	0.21	0.02	0.21
17,478.00	87.73	167.87	11,290.09	-6,389.96	1,402.12	6,541.96	1.45	0.29	1.42
17,572.00	88.15	166.73	11,293.47	-6,481.60	1,422.78	6,635.89	1.29	0.45	-1.21
17,667.00	88.49	166.98	11,296.25	-6,574.07	1,444.37	6,730.85	0.44	0.36	0.26
17,762.00	88.80	167.10	11,298.50	-6,666.62	1,465.67	6,825.82	0.35	0.33	0.13
17,857.00	88.07	166.60	11,301.09	-6,759.09	1,487.28	6,920.78	0.93	-0.77	-0.53
17,952.00	88.29	166.83	11,304.11	-6,851.51	1,509.10	7,015.72	0.33	0.23	0.24
18,046.00	88.68	167.24	11,306.60	-6,943.08	1,530.18	7,109.68	0.60	0.41	0.44
18,141.00	88.88	167.32	11,308.62	-7,035.72	1,551.09	7,204.66	0.23	0.21	0.08
18,235.00	89.27	167.15	11,310.14	-7,127.39	1,571.86	7,298.65	0.45	0.41	-0.18
18,330.00	89.89	167.36	11,310.83	-7,220.04	1,592.81	7,393.65	0.69	0.65	0.22
18,425.00	89.94	167.67	11,310.97	-7,312.80	1,613.35	7,488.64	0.33	0.05	0.33
18,453.00	89.80	167.51	11,311.04	-7,340.14	1,619.37	7,516.64	0.76	-0.50	-0.57
18,504.00	89.80	167.51	11,311.22	-7,389.94	1,630.40	7,567.64	0.00	0.00	0.00

Straight Line Projection to Bit Depth @ 18504'MD

Survey Report

Company:	Elevation Resources, LLC	Local Co-ordinate Reference:	Well University 1-24 South Unit #6H
Project:	Andrews County, TX	TVD Reference:	RKB @ 3154.00usft
Site:	Sec 24, Blk 1	MD Reference:	RKB @ 3154.00usft
Well:	University 1-24 South Unit #6H	North Reference:	Grid
Wellbore:	Original Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	Original Wellbore	Database:	EDM 5000.1 Single User Db

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
117.00	117.00	0.28	0.32	The Following are NOV FloSurveys
7,046.00	7,045.63	23.81	31.17	Tie-In to NOV FloSurvey @ 7046'MD
7,128.00	7,127.63	23.84	31.98	The Following are Legacy Directional MWD Surveys
18,504.00	11,311.22	-7,389.94	1,630.40	Straight Line Projection to Bit Depth @ 18504'MD

Checked By: _____	Approved By: _____	Date: _____
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