

PO Box 4482, Midland, TX 79704 | 432-296-6366

Railroad Commission of Texas
Oil & Gas Division
P.O. Box 12967
Austin, TX 78711

Attn: Pam Johns

2/7/2022

Re: Piedra Operating, LLC.
Well: University 5-35 N4 #H 4LS
Field: Spraberry (Trend Area)
Rig: Burton 10
County: Andrews County, TX
Permit: 876228
API Well No: 42-003-48505

Enclosed please find the original of the surveys performed on the referenced well by True Shot, LLC. (P-5 No. 871488). Other information required by your office is as follows:

Name & Title Of Surveyor	Wellhole Number	Survey Depths	Dates Performed	Type Survey
J.Carrier, Field Service Technician	Original Hole	148' - 1825'	2/5/2022 – 2/6/2022	MWD

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit line in case of pooling) is attached to the survey report. If additional information is required, please contact the undersigned at the letterhead address and phone number.

A handwritten signature in blue ink, appearing to read 'R. Nesloney'.

2/7/2022

Randall Nesloney
MWD Manager

Cc: Piedra Operating, LLC.

Minimum Curvature

Proposed Azimuth	0.0
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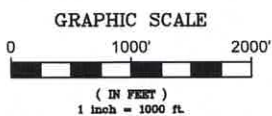
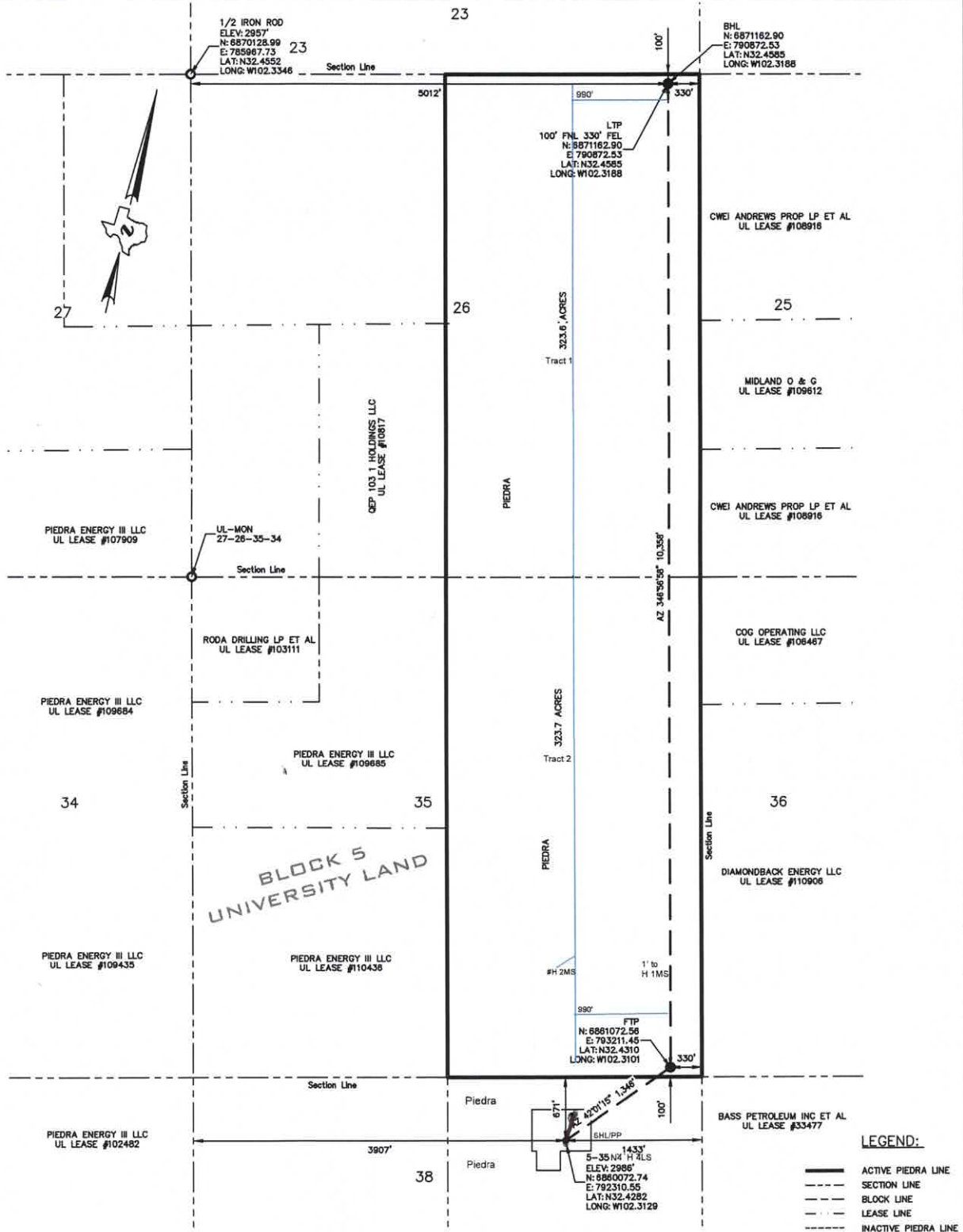
Depth Reference 10'

Tie Into: Assumed Vertical

Job Date: 2/5/2022 - 2/6/2022

[illegible]

University 5-35 N4 #H 4LS
 Proposed Bottom Hole Location
 True Shot, LLC.
 Closure Distance: 2.28 Feet
 Closure Direction: 241.29 Degrees Azimuth



NOTE:

COURSES, DISTANCES AND COORDINATES SHOWN HEREON ARE LAMBERT GRID AND CONFORM TO THE "TEXAS COORDINATE SYSTEM", TEXAS NORTH CENTRAL ZONE, NORTH AMERICAN DATUM OF 1983. ALL DISTANCES AND COORDINATES ARE SHOWN IN GRID FEET.

ELEVATION NAVD 1988

SCHUMANN
 ENGINEERING CO.
 A LATERAL LAND COMPANY

CIVIL ENGINEERING - LAND SURVEYING
 TEXAS PERM No. 71890 - TEXAS PERM No. 10166000

800 N. WINDFIELD STREET
 SUITE 150
 MIDLAND, TEXAS 79701

Office (409) 954-0548

THE UNDERSIGNED DOES HEREBY CERTIFY THAT THIS LOCATION WAS THIS DAY MADE ON THE GROUND BY ME OR UNDER MY SUPERVISION AND THAT THIS PLAT IS A CORRECT REPRESENTATION THEREOF.

DATED THIS 10TH DAY OF NOVEMBER, 2021

RJ DAUM
 TEXAS RPLS 4826



LEGEND:

- ACTIVE PIEDRA LINE
- - - SECTION LINE
- - - BLOCK LINE
- - - LEASE LINE
- - - INACTIVE PIEDRA LINE

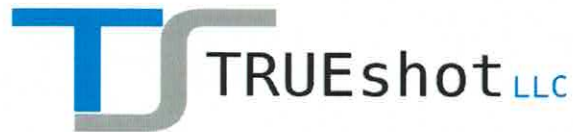
THIS WELL IS TO BE LOCATED 15.3 MILES IN A EASTERLY DIRECTION FROM ANDREWS WHICH IS THE NEAREST TOWN IN THE COUNTY OF THE WELL SITE.

LOCATION PLAT
 PIEDRA OPERATING, LLC.

WELL NO. H 4LS
 UNIVERSITY 5-35 N4

SURFACE HOLE
 671 FEET FROM THE NORTH AND
 1433 FEET FROM THE EAST LINES,
 SECTION 38, BLOCK 5,
 BOTTOM HOLE
 100 FEET FROM THE NORTH AND
 330 FEET FROM THE EAST LINES,
 SECTION 26, BLOCK 5,
 UNIVERSITY LAND
 ANDREWS COUNTY, TEXAS

QUAD: FIVE WELLS RANCH SW PROJECT: 78158-P
 SCALE: 1" = 1000' REV 1-18-22 JOB NO: 78,158



PO Box 4482, Midland, TX 79704 | 432-296-6366

MWD Survey Certification

State of Texas
County of Andrews

I, Randall Nesloney, certify that: I am employed by True Shot, LLC.; that I did on the day(s) of 2/5/2022 through 2/6/2022 conduct or supervise the taking of MWD surveys from a depth of 148 feet to a depth of 1825 feet, that the data is true, correct, complete and within the limitations of the tool as set forth by True Shot, LLC; that I am authorized and qualified to make this report; that these surveys were conducted at the request of Piedra Operating, LLC. for the University 5-35 N4 #H 4LS (API No. 42-003-48505, Permit No. 876228), located in Andrews County, Texas; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by True Shot, LLC.

A handwritten signature in blue ink, appearing to be 'R. Nesloney'.

2/7/2022

Randall Nesloney
MWD Manager

Cc: Piedra Operating, LLC.



PHOENIX

TECHNOLOGY SERVICES USA INC.

Celebrating 20 Years of Focused Solutions

3610 Elkins Road, Midland, Texas 79705 T. 432.684.0057 F. 432.686.7964 www.phxtech.com

February 22, 2023

Railroad Commission of Texas
Oil and Gas Division
P.O. Box 12967
Capitol Station
Austin, Texas 78711

Attention: Regulatory Department

Re: Piedra Operating
University 5-35 N4 H 4LS
Andrews Co., Texas
API # 42-003-48505
Job No. 71235

Enclosed please find the Survey Data Certification, and the original Plat and one copy of the Survey Report performed on the above referenced well by Phoenix Technology Services, Inc. (P-5 No. 664171). Other information required by your office is as follows:

Name & Title of Surveyor	Drain Hole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Chad Hatcher	H 4LS	1,975	17,761	12/14/22	2/16/23	MWD

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

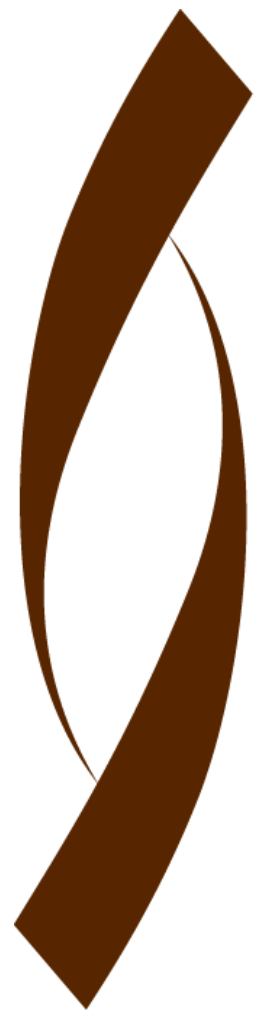
Best Regards,

Brittany Carley

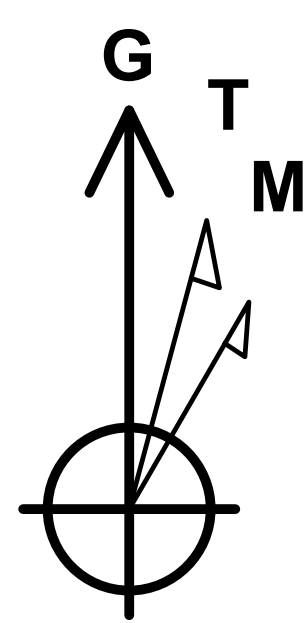
Brittany Carley
Operations Administrator



Project: Andrews County, TX (NAD83-TNC)
Site: University 5-35
Well: University 5-35 N4 H 4LS
Wellbore: OH / 71235
Design: Plan 4 02-09-23
Rig: Ensign T54



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Azimuths to Grid North
True North: 2.08°
Magnetic North: 7.83°

Magnetic Field
Strength: 47412.0nT
Dip Angle: 60.01°
Date: 1/31/2023
Model: MVHD

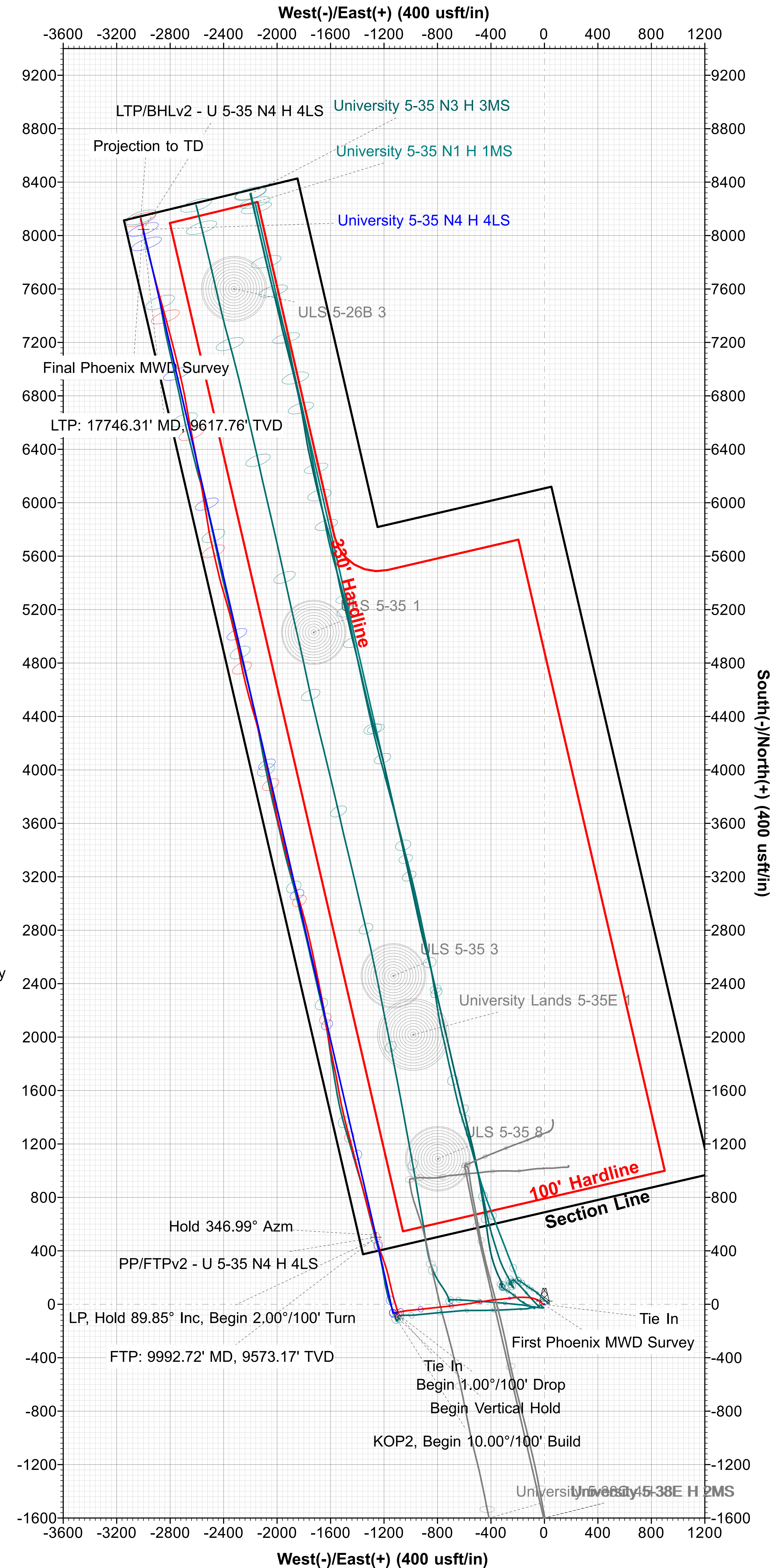
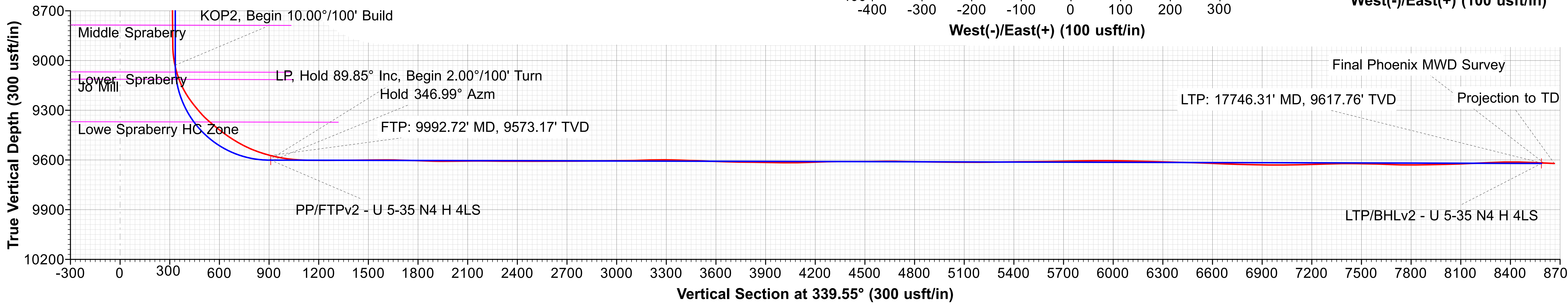
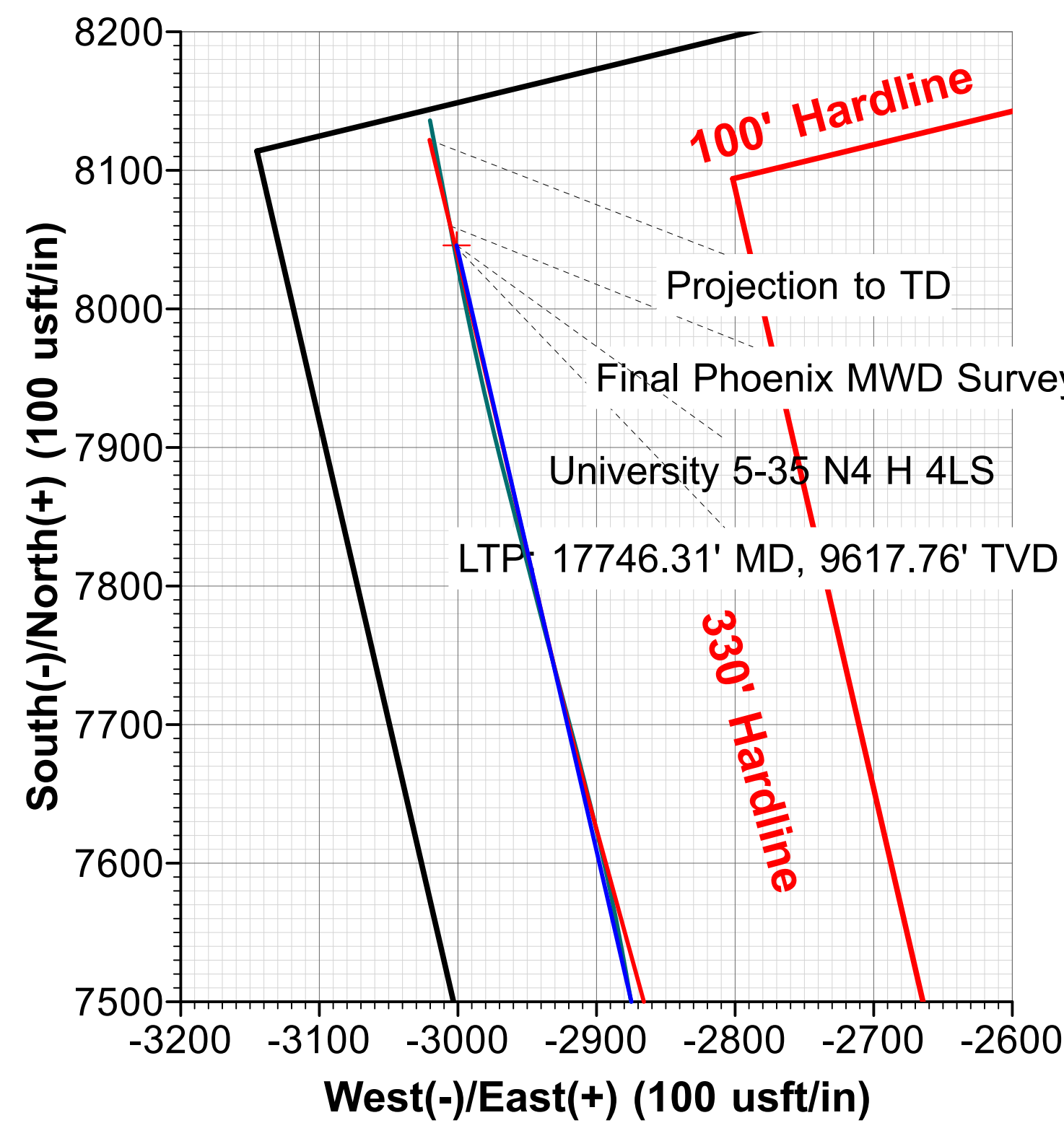
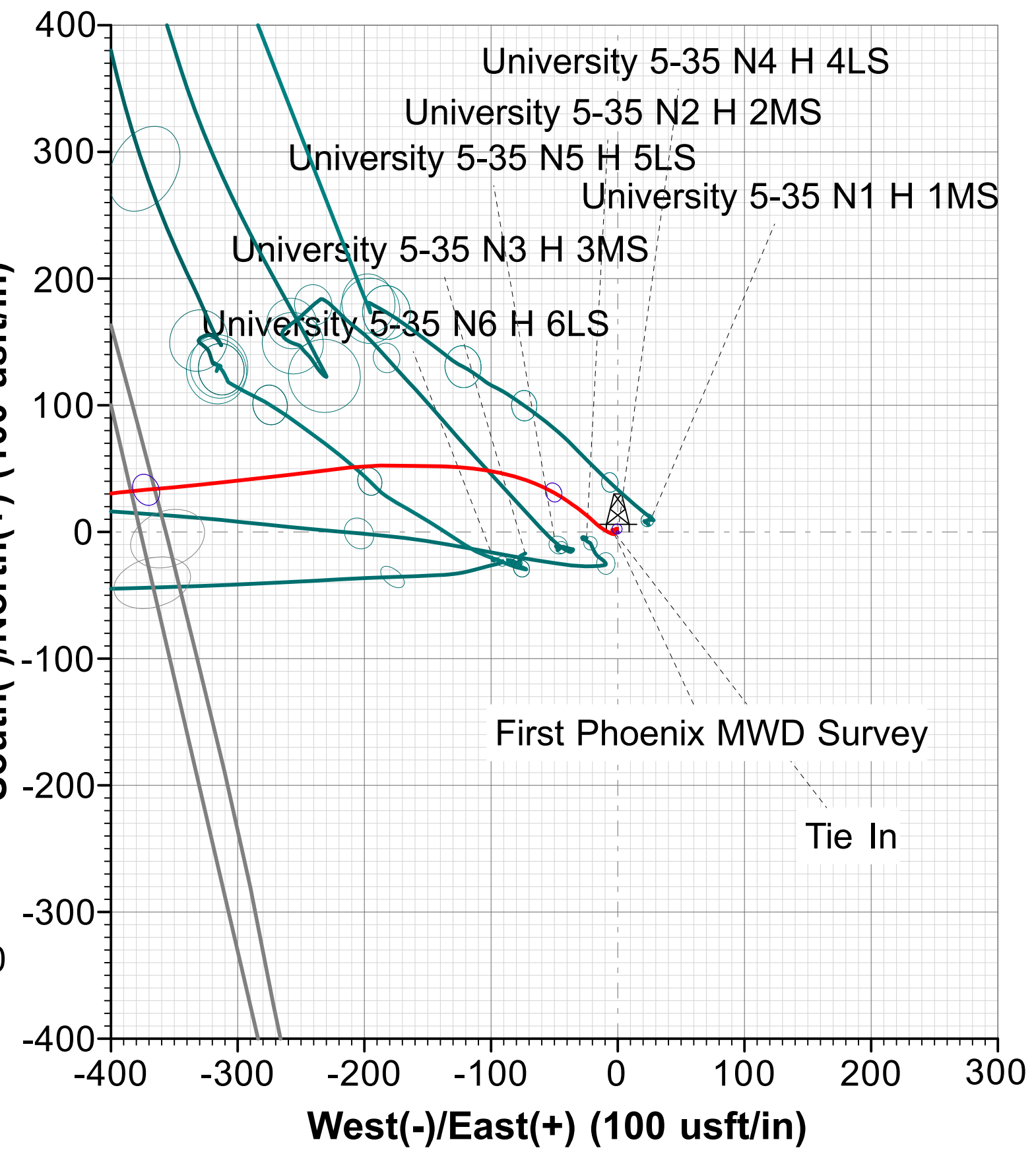
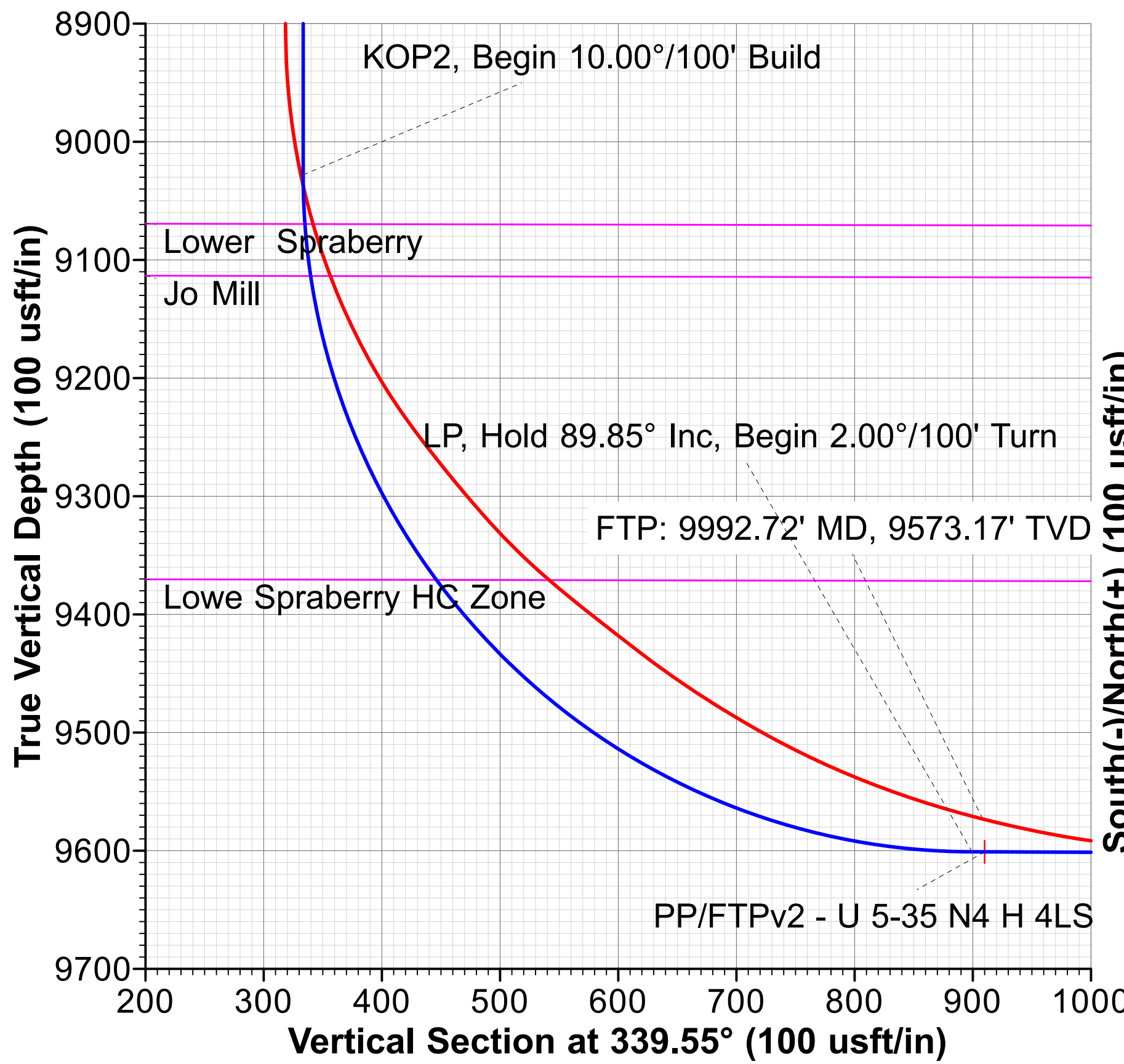
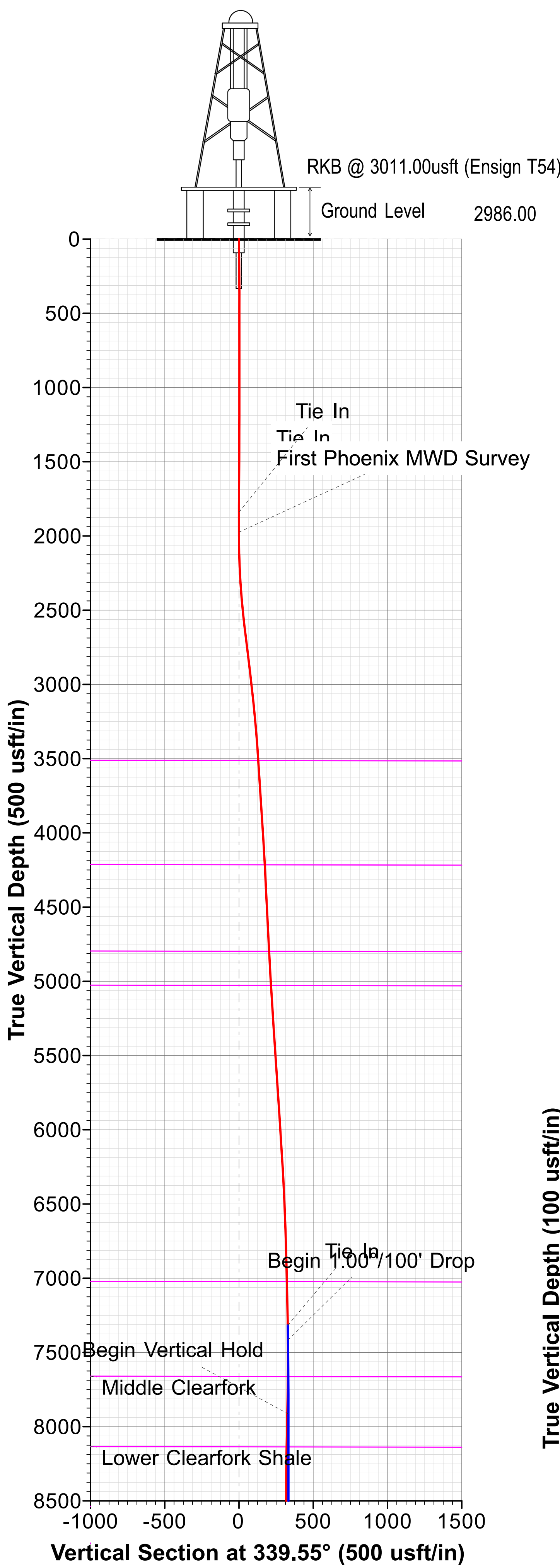
WELL DETAILS									
				Ground Level	2986.00				
				Easting	792310.55	Latitude	32° 25' 41.533882 N	Longitude	102° 18' 46.370834 W
+N/-S	+E/-W	Northing							
0.00	0.00	6860072.74							

SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect
1	7447.00	4.98	258.69	7317.69	-60.68	-1103.06	0.00	0.000	328.62
2	7547.00	4.98	258.69	7417.31	-62.38	-1111.57	0.00	0.000	330.00
3	8045.00	0.00	0.00	7914.69	-66.62	-1132.78	1.00	180.000	333.44
4	9158.35	0.00	0.00	9028.04	-66.62	-1132.78	0.00	0.000	333.44
5	10056.85	89.85	347.55	9601.00	491.40	-1255.98	10.00	347.550	899.33
6	10084.70	89.85	346.99	9601.07	518.56	-1262.11	2.00	-89.777	926.93
7	17810.19	89.85	346.99	9621.00	8045.81	-3000.88	0.00	0.000	8587.22
									LTP/BHLv2 - U 5-35 N4 H 4LS
									TD 17810.19

DESIGN TARGET DETAILS									
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude		
PP/FTPv2 - U 5-35 N4 H 4LS	9601.00	502.06	-1257.96	6860574.80	791052.59	32° 25' 46.046807 N	102° 19' 1.251366 W		
LTP/BHLv2 - U 5-35 N4 H 4LS	9621.00	8045.81	-3000.88	6868118.55	789309.67	32° 27' 0.019782 N	102° 19' 24.776791 W		

Map System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone Name: Texas North Central Zone
Local Origin: Well University 5-35 N4 H 4LS, Grid North
Latitude: 32° 25' 41.533882 N
Longitude: 102° 18' 46.370834 W
Grid East: 792310.55
Grid North: 6860072.74
Scale Factor: 1.000
Geomagnetic Model: MVHD
Sample Date: 31-Jan-23
Magnetic Declination: 5.755°
Dip Angle from Horizontal: 60.011°
Magnetic Field Strength: 47412.00871224nT
To convert a Magnetic Direction to a Grid Direction, Add 7.834°
To convert a Magnetic Direction to a True Direction, Add 5.755° East
To convert a True Direction to a Grid Direction, Add 2.080°

FORMATION TOP DETAILS		
TVDPATH	MDPATH	FORMATION
3513.25	3540.72	Seven Rivers
4215.33	4265.54	Queen
4798.39	4866.65	Grayburg
5028.41	5104.10	San Andres
7023.62	7151.09	Clearfork
7662.64	7792.87	Middle Clearfork
8136.64	8266.95	Lower Clearfork Shale
8538.64	8668.95	Upper Spraberry
8786.64	8916.95	Middle Spraberry
9069.64	9199.99	Lower Spraberry
9113.65	9244.29	Jo Mill
9370.86	9525.85	Lowe Spraberry HC Zone





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Piedra Operating LLC

Andrews County, TX (NAD83-TNC)

University 5-35

University 5-35 N4 H 4LS

OH / 71235

Design: Surveys (Ensign T54)

Standard Survey Report

17 February, 2023



Company:	Piedra Operating LLC	Local Co-ordinate Reference:	Well University 5-35 N4 H 4LS
Project:	Andrews County, TX (NAD83-TNC)	TVD Reference:	RKB @ 3011.00usft (Ensign T54)
Site:	University 5-35	MD Reference:	RKB @ 3011.00usft (Ensign T54)
Well:	University 5-35 N4 H 4LS	North Reference:	Grid
Wellbore:	OH / 71235	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Ensign T54)	Database:	USA Compass

Project	Andrews County, TX (NAD83-TNC), Andrews County, Texas		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Texas North Central Zone		

Site	University 5-35		
Site Position:		Northing:	6,860,078.37 usft
From:	Map	Easting:	792,334.88 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 25' 41.598293 N
		Longitude:	102° 18' 46.089531 W
		Grid Convergence:	-2.079 °

Well	University 5-35 N4 H 4LS		
Well Position	+N/-S	0.00 usft	Northing: 6,860,072.74 usft
	+E/-W	0.00 usft	Easting: 792,310.55 usft
Position Uncertainty	1.00 usft	Wellhead Elevation:	usft
		Latitude:	32° 25' 41.533882 N
		Longitude:	102° 18' 46.370834 W
		Ground Level:	2,986.00 usft

Wellbore	OH / 71235		
Magnetics	Model Name	Sample Date	Declination (°)
	MVHD	1/31/2023	5.755
			Dip Angle (°) 60.011
			Field Strength (nT) 47,412.00871223

Design	Surveys (Ensign T54)		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°) 339.55

Survey Program	Date	2/17/2023		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
15.00	1,840.00	TrueShot MWD Surveys (OH / 71235)	MWD	OWSG MWD - Standard
1,975.00	17,825.00	Phoenix MWD Surveys (OH / 71235)	MWD+HRGM+MS	OWSG MWD + HRGM + Multi-Station Correction

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
15.00	0.00	0.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00
163.00	1.27	306.08	162.99	0.97	-1.33	1.37	0.86	0.86	0.00
252.00	0.35	280.50	251.98	1.60	-2.39	2.33	1.09	-1.03	-28.74
327.00	0.13	299.58	326.98	1.68	-2.69	2.51	0.31	-0.29	25.44
413.00	0.44	248.42	412.98	1.61	-3.08	2.58	0.43	0.36	-59.49
498.00	0.75	276.81	497.97	1.55	-3.94	2.83	0.49	0.36	33.40
583.00	0.18	97.87	582.97	1.60	-4.36	3.02	1.09	-0.67	-210.52
672.00	0.62	98.66	671.97	1.51	-3.74	2.72	0.49	0.49	0.89
758.00	0.53	68.34	757.96	1.59	-2.91	2.50	0.36	-0.10	-35.26

Company:	Piedra Operating LLC	Local Co-ordinate Reference:	Well University 5-35 N4 H 4LS
Project:	Andrews County, TX (NAD83-TNC)	TVD Reference:	RKB @ 3011.00usft (Ensign T54)
Site:	University 5-35	MD Reference:	RKB @ 3011.00usft (Ensign T54)
Well:	University 5-35 N4 H 4LS	North Reference:	Grid
Wellbore:	OH / 71235	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Ensign T54)	Database:	USA Compass

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)
844.00	0.44	56.82	843.96	1.91	-2.27	2.58	0.15	-0.10	-13.40
933.00	0.35	54.45	932.96	2.26	-1.76	2.73	0.10	-0.10	-2.66
1,022.00	0.35	69.30	1,021.96	2.51	-1.28	2.80	0.10	0.00	16.69
1,110.00	0.35	88.11	1,109.96	2.62	-0.76	2.72	0.13	0.00	21.38
1,198.00	0.09	160.88	1,197.95	2.56	-0.47	2.56	0.38	-0.30	82.69
1,284.00	0.26	212.65	1,283.95	2.33	-0.56	2.38	0.25	0.20	60.20
1,462.00	0.53	202.72	1,461.95	1.23	-1.09	1.54	0.16	0.15	-5.58
1,548.00	0.40	210.37	1,547.95	0.61	-1.40	1.06	0.17	-0.15	8.90
1,637.00	0.48	197.62	1,636.94	-0.02	-1.67	0.57	0.14	0.09	-14.33
1,726.00	0.22	196.22	1,725.94	-0.54	-1.83	0.14	0.29	-0.29	-1.57
1,813.00	0.35	197.27	1,812.94	-0.95	-1.95	-0.21	0.15	0.15	1.21
1,840.00	0.31	200.88	1,839.94	-1.10	-2.00	-0.33	0.17	-0.15	13.37
Tie In									
1,975.00	0.47	232.64	1,974.94	-1.77	-2.57	-0.76	0.19	0.12	23.53
First Phoenix MWD Survey									
2,065.00	2.09	287.71	2,064.91	-1.50	-4.43	0.14	2.07	1.80	61.19
2,154.00	2.47	300.86	2,153.84	-0.02	-7.62	2.64	0.72	0.43	14.78
2,244.00	3.55	300.48	2,243.72	2.39	-11.69	6.32	1.20	1.20	-0.42
2,334.00	4.26	312.88	2,333.51	6.07	-16.54	11.47	1.22	0.79	13.78
2,423.00	5.84	311.35	2,422.16	11.32	-22.36	18.42	1.78	1.78	-1.72
2,513.00	6.35	307.04	2,511.65	17.34	-29.77	26.65	0.76	0.57	-4.79
2,603.00	8.39	304.81	2,600.91	24.09	-39.14	36.24	2.29	2.27	-2.48
2,692.00	9.12	299.27	2,688.87	31.24	-50.62	46.96	1.25	0.82	-6.22
2,783.00	10.55	292.55	2,778.53	37.96	-64.61	58.15	2.01	1.57	-7.38
2,872.00	11.12	286.19	2,865.95	43.48	-80.38	68.83	1.49	0.64	-7.15
2,962.00	11.95	280.72	2,954.13	47.63	-97.87	78.83	1.52	0.92	-6.08
3,052.00	14.06	275.73	3,041.82	50.46	-117.90	88.48	2.65	2.34	-5.54
3,142.00	15.32	271.30	3,128.88	51.82	-140.67	97.71	1.87	1.40	-4.92
3,232.00	15.07	271.00	3,215.74	52.29	-164.25	106.40	0.29	-0.28	-0.33
3,321.00	15.26	269.74	3,301.64	52.44	-187.53	114.67	0.43	0.21	-1.42
3,412.00	15.93	262.84	3,389.29	50.83	-211.90	121.68	2.17	0.74	-7.58
3,502.00	15.53	263.25	3,475.92	47.88	-236.12	127.37	0.46	-0.44	0.46
3,592.00	15.13	263.33	3,562.72	45.10	-259.75	133.02	0.45	-0.44	0.09
3,681.00	15.01	263.51	3,648.66	42.44	-282.74	138.57	0.14	-0.13	0.20
3,772.00	14.71	263.75	3,736.62	39.85	-305.93	144.25	0.34	-0.33	0.26
3,861.00	14.47	264.09	3,822.75	37.48	-328.22	149.82	0.29	-0.27	0.38
3,952.00	14.21	264.67	3,910.91	35.27	-350.65	155.59	0.33	-0.29	0.64
4,041.00	13.91	264.98	3,997.24	33.32	-372.19	161.28	0.35	-0.34	0.35
4,130.00	13.73	263.67	4,083.67	31.22	-393.34	166.71	0.41	-0.20	-1.47
4,221.00	13.79	260.94	4,172.06	28.32	-414.79	171.49	0.72	0.07	-3.00
4,311.00	13.36	262.01	4,259.54	25.19	-435.68	175.85	0.55	-0.48	1.19
4,400.00	13.24	261.32	4,346.16	22.22	-455.93	180.15	0.22	-0.13	-0.78
4,490.00	14.83	260.99	4,433.47	18.86	-477.50	184.54	1.77	1.77	-0.37

Company:	Piedra Operating LLC	Local Co-ordinate Reference:	Well University 5-35 N4 H 4LS
Project:	Andrews County, TX (NAD83-TNC)	TVD Reference:	RKB @ 3011.00usft (Ensign T54)
Site:	University 5-35	MD Reference:	RKB @ 3011.00usft (Ensign T54)
Well:	University 5-35 N4 H 4LS	North Reference:	Grid
Wellbore:	OH / 71235	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Ensign T54)	Database:	USA Compass

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)
4,579.00	14.61	260.64	4,519.55	15.25	-499.82	188.96	0.27	-0.25	-0.39
4,668.00	14.33	260.80	4,605.72	11.66	-521.77	193.27	0.32	-0.31	0.18
4,757.00	13.85	261.18	4,692.04	8.27	-543.17	197.56	0.55	-0.54	0.43
4,847.00	14.25	261.19	4,779.35	4.92	-564.76	201.97	0.44	0.44	0.01
4,937.00	14.67	262.73	4,866.50	1.78	-587.01	206.81	0.63	0.47	1.71
5,025.00	14.22	262.01	4,951.72	-1.13	-608.77	211.68	0.55	-0.51	-0.82
5,116.00	14.09	262.95	5,039.96	-4.04	-630.83	216.66	0.29	-0.14	1.03
5,205.00	13.90	263.57	5,126.31	-6.57	-652.20	221.76	0.27	-0.21	0.70
5,295.00	14.30	263.04	5,213.60	-9.13	-673.98	226.98	0.47	0.44	-0.59
5,385.00	15.17	264.31	5,300.64	-11.64	-696.73	232.57	1.03	0.97	1.41
5,475.00	15.09	263.26	5,387.52	-14.18	-720.08	238.35	0.32	-0.09	-1.17
5,564.00	15.31	263.37	5,473.41	-16.90	-743.26	243.90	0.25	0.25	0.12
5,654.00	15.67	263.73	5,560.14	-19.60	-767.14	249.72	0.41	0.40	0.40
5,743.00	15.79	263.22	5,645.81	-22.34	-791.12	255.53	0.21	0.13	-0.57
5,833.00	15.13	263.79	5,732.55	-25.06	-814.95	261.31	0.75	-0.73	0.63
5,923.00	14.91	263.71	5,819.47	-27.60	-838.14	267.04	0.25	-0.24	-0.09
6,013.00	14.28	263.98	5,906.57	-30.03	-860.68	272.64	0.70	-0.70	0.30
6,103.00	13.98	262.96	5,993.85	-32.53	-882.51	277.93	0.43	-0.33	-1.13
6,193.00	13.90	264.32	6,081.20	-34.93	-904.06	283.20	0.37	-0.09	1.51
6,282.00	13.63	264.82	6,167.64	-36.93	-925.14	288.69	0.33	-0.30	0.56
6,372.00	13.72	265.16	6,255.09	-38.79	-946.34	294.36	0.13	0.10	0.38
6,462.00	11.82	262.25	6,342.86	-40.94	-966.11	299.26	2.23	-2.11	-3.23
6,552.00	11.14	263.75	6,431.06	-43.13	-983.88	303.42	0.83	-0.76	1.67
6,642.00	9.12	264.36	6,519.65	-44.77	-999.63	307.38	2.25	-2.24	0.68
6,732.00	8.49	263.53	6,608.59	-46.22	-1,013.33	310.81	0.71	-0.70	-0.92
6,822.00	8.22	262.45	6,697.64	-47.82	-1,026.30	313.85	0.35	-0.30	-1.20
6,912.00	8.25	261.19	6,786.71	-49.65	-1,039.06	316.59	0.20	0.03	-1.40
7,002.00	7.78	259.34	6,875.83	-51.77	-1,051.43	318.93	0.60	-0.52	-2.06
7,092.00	7.54	260.22	6,965.03	-53.90	-1,063.24	321.06	0.30	-0.27	0.98
7,182.00	7.10	261.28	7,054.29	-55.74	-1,074.55	323.28	0.51	-0.49	1.18
7,272.00	6.72	259.84	7,143.64	-57.51	-1,085.23	325.36	0.46	-0.42	-1.60
7,362.00	6.00	260.51	7,233.08	-59.22	-1,095.06	327.19	0.80	-0.80	0.74
7,447.00	4.98	258.69	7,317.69	-60.68	-1,103.06	328.62	1.22	-1.20	-2.14
7,601.00	2.83	248.60	7,471.33	-63.37	-1,113.15	329.62	1.46	-1.40	-6.55
7,692.00	0.29	111.01	7,562.29	-64.28	-1,115.03	329.43	3.35	-2.79	-151.20
7,783.00	1.33	104.65	7,653.28	-64.63	-1,113.79	328.67	1.15	1.14	-6.99
7,874.00	0.19	154.38	7,744.27	-65.03	-1,112.71	327.92	1.34	-1.25	54.65
7,965.00	0.69	160.81	7,835.27	-65.68	-1,112.46	327.22	0.55	0.55	7.07
8,054.00	0.89	147.34	7,924.26	-66.77	-1,111.91	326.01	0.31	0.22	-15.13
8,143.00	1.41	141.06	8,013.24	-68.20	-1,110.85	324.29	0.60	0.58	-7.06
8,235.00	2.43	125.08	8,105.19	-70.21	-1,108.54	321.61	1.24	1.11	-17.37
8,325.00	1.07	90.11	8,195.15	-71.30	-1,106.14	319.74	1.86	-1.51	-38.86
8,414.00	1.22	108.92	8,284.13	-71.61	-1,104.41	318.85	0.45	0.17	21.13
8,503.00	0.24	269.31	8,373.13	-71.92	-1,103.70	318.31	1.63	-1.10	180.21

Company:	Piedra Operating LLC	Local Co-ordinate Reference:	Well University 5-35 N4 H 4LS
Project:	Andrews County, TX (NAD83-TNC)	TVD Reference:	RKB @ 3011.00usft (Ensign T54)
Site:	University 5-35	MD Reference:	RKB @ 3011.00usft (Ensign T54)
Well:	University 5-35 N4 H 4LS	North Reference:	Grid
Wellbore:	OH / 71235	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Ensign T54)	Database:	USA Compass

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)
8,593.00	0.62	229.79	8,463.12	-72.24	-1,104.26	318.21	0.51	0.42	-43.91
8,683.00	0.91	192.17	8,553.12	-73.25	-1,104.79	317.44	0.63	0.32	-41.80
8,772.00	0.49	114.95	8,642.11	-74.10	-1,104.59	316.58	1.05	-0.47	-86.76
8,861.00	1.90	57.94	8,731.09	-73.48	-1,102.99	316.60	1.89	1.58	-64.06
8,951.00	2.69	52.41	8,821.02	-71.40	-1,100.06	317.53	0.91	0.88	-6.14
9,040.00	3.15	58.21	8,909.90	-68.84	-1,096.32	318.62	0.61	0.52	6.52
9,130.00	9.03	342.66	8,999.45	-60.78	-1,096.33	326.18	9.76	6.53	-83.94
9,219.00	17.87	346.00	9,085.93	-40.82	-1,101.72	346.76	9.97	9.93	3.75
9,309.00	26.96	341.63	9,169.05	-7.99	-1,111.51	380.94	10.26	10.10	-4.86
9,398.00	36.89	343.84	9,244.49	36.93	-1,125.34	427.86	11.23	11.16	2.48
9,489.00	41.52	346.76	9,314.99	92.56	-1,139.86	485.05	5.48	5.09	3.21
9,581.00	50.70	346.90	9,378.71	157.05	-1,154.94	550.75	9.98	9.98	0.15
9,670.00	53.02	346.38	9,433.67	225.14	-1,171.12	620.21	2.65	2.61	-0.58
9,759.00	58.73	341.35	9,483.60	295.82	-1,191.68	693.61	7.94	6.42	-5.65
9,849.00	65.21	339.98	9,525.87	370.73	-1,218.00	773.00	7.32	7.20	-1.52
9,939.00	72.40	342.94	9,558.40	450.24	-1,244.61	856.79	8.56	7.99	3.29
9,992.72	75.67	343.44	9,573.17	499.68	-1,259.54	908.33	6.15	6.09	0.92
FTP: 9992.72' MD, 9573.17' TVD									
10,030.00	77.94	343.77	9,581.68	534.49	-1,269.79	944.53	6.15	6.09	0.90
10,119.00	83.88	344.37	9,595.73	618.96	-1,293.89	1,032.10	6.71	6.67	0.67
10,211.00	88.67	345.79	9,601.71	707.65	-1,317.52	1,123.45	5.43	5.21	1.54
10,237.00	89.45	346.10	9,602.14	732.87	-1,323.83	1,149.28	3.23	3.00	1.19
10,328.00	89.88	345.25	9,602.67	821.03	-1,346.35	1,239.76	1.05	0.47	-0.93
10,418.00	90.56	345.04	9,602.32	908.02	-1,369.42	1,329.33	0.79	0.76	-0.23
10,507.00	90.30	345.25	9,601.65	994.05	-1,392.24	1,417.90	0.38	-0.29	0.24
10,597.00	90.81	344.94	9,600.78	1,081.01	-1,415.39	1,507.48	0.66	0.57	-0.34
10,686.00	90.30	346.45	9,599.92	1,167.25	-1,437.38	1,595.96	1.79	-0.57	1.70
10,775.00	88.42	344.30	9,600.91	1,253.35	-1,459.84	1,684.48	3.21	-2.11	-2.42
10,864.00	88.11	346.49	9,603.61	1,339.43	-1,482.27	1,772.97	2.48	-0.35	2.46
10,956.00	88.02	346.20	9,606.72	1,428.78	-1,503.98	1,864.28	0.33	-0.10	-0.32
11,047.00	90.13	349.06	9,608.18	1,517.64	-1,523.47	1,954.34	3.91	2.32	3.14
11,136.00	90.79	350.37	9,607.47	1,605.20	-1,539.36	2,041.94	1.65	0.74	1.47
11,227.00	90.47	349.37	9,606.47	1,694.78	-1,555.36	2,131.46	1.15	-0.35	-1.10
11,316.00	89.28	347.78	9,606.66	1,782.01	-1,572.99	2,219.35	2.23	-1.34	-1.79
11,407.00	89.64	348.13	9,607.52	1,871.00	-1,591.98	2,309.37	0.55	0.40	0.38
11,497.00	90.02	349.85	9,607.79	1,959.34	-1,609.17	2,398.15	1.96	0.42	1.91
11,589.00	89.88	350.76	9,607.87	2,050.03	-1,624.66	2,488.53	1.00	-0.15	0.99
11,678.00	90.24	351.24	9,607.78	2,137.93	-1,638.58	2,575.76	0.67	0.40	0.54
11,768.00	90.16	349.58	9,607.46	2,226.67	-1,653.58	2,664.14	1.85	-0.09	-1.84
11,859.00	90.50	348.73	9,606.94	2,316.04	-1,670.70	2,753.86	1.01	0.37	-0.93
11,949.00	90.07	348.23	9,606.49	2,404.23	-1,688.67	2,842.77	0.73	-0.48	-0.56
12,041.00	90.56	349.12	9,605.98	2,494.43	-1,706.74	2,933.60	1.10	0.53	0.97
12,131.00	90.72	348.17	9,604.98	2,582.67	-1,724.45	3,022.46	1.07	0.18	-1.06

Company:	Piedra Operating LLC	Local Co-ordinate Reference:	Well University 5-35 N4 H 4LS
Project:	Andrews County, TX (NAD83-TNC)	TVD Reference:	RKB @ 3011.00usft (Ensign T54)
Site:	University 5-35	MD Reference:	RKB @ 3011.00usft (Ensign T54)
Well:	University 5-35 N4 H 4LS	North Reference:	Grid
Wellbore:	OH / 71235	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Ensign T54)	Database:	USA Compass

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)
12,221.00	91.69	347.48	9,603.09	2,670.62	-1,743.43	3,111.50	1.32	1.08	-0.77
12,311.00	91.98	346.95	9,600.20	2,758.34	-1,763.34	3,200.65	0.67	0.32	-0.59
12,402.00	89.33	345.32	9,599.16	2,846.68	-1,785.14	3,291.03	3.42	-2.91	-1.79
12,491.00	88.31	344.42	9,601.00	2,932.57	-1,808.36	3,379.63	1.53	-1.15	-1.01
12,581.00	87.34	344.09	9,604.41	3,019.13	-1,832.77	3,469.26	1.14	-1.08	-0.37
12,671.00	88.02	343.83	9,608.06	3,105.55	-1,857.62	3,558.92	0.81	0.76	-0.29
12,761.00	88.25	343.85	9,610.98	3,191.95	-1,882.65	3,648.61	0.26	0.26	0.02
12,851.00	89.22	345.20	9,612.97	3,278.67	-1,906.66	3,738.25	1.85	1.08	1.50
12,940.00	89.38	345.88	9,614.06	3,364.84	-1,928.88	3,826.76	0.78	0.18	0.76
13,030.00	88.93	344.96	9,615.39	3,451.93	-1,951.53	3,916.27	1.14	-0.50	-1.02
13,120.00	89.22	345.83	9,616.84	3,539.01	-1,974.22	4,005.79	1.02	0.32	0.97
13,209.00	91.01	347.74	9,616.66	3,625.65	-1,994.57	4,094.07	2.94	2.01	2.15
13,300.00	92.44	348.90	9,613.92	3,714.72	-2,012.98	4,183.96	2.02	1.57	1.27
13,389.00	91.38	348.88	9,610.95	3,802.00	-2,030.12	4,271.73	1.19	-1.19	-0.02
13,479.00	90.10	348.14	9,609.79	3,890.19	-2,048.05	4,360.62	1.64	-1.42	-0.82
13,568.00	89.96	347.92	9,609.75	3,977.25	-2,066.51	4,448.65	0.29	-0.16	-0.25
13,657.00	90.44	348.43	9,609.44	4,064.36	-2,084.74	4,536.64	0.79	0.54	0.57
13,747.00	90.90	348.75	9,608.38	4,152.58	-2,102.55	4,625.52	0.62	0.51	0.36
13,838.00	88.34	344.27	9,608.99	4,241.03	-2,123.77	4,715.81	5.67	-2.81	-4.92
13,928.00	89.42	344.91	9,610.75	4,327.78	-2,147.68	4,805.45	1.39	1.20	0.71
14,019.00	89.21	343.43	9,611.83	4,415.32	-2,172.50	4,896.14	1.64	-0.23	-1.63
14,109.00	89.19	344.44	9,613.09	4,501.80	-2,197.40	4,985.87	1.12	-0.02	1.12
14,199.00	89.56	345.20	9,614.07	4,588.65	-2,220.97	5,075.48	0.94	0.41	0.84
14,289.00	90.29	347.02	9,614.19	4,676.01	-2,242.57	5,164.88	2.18	0.81	2.02
14,379.00	90.24	347.59	9,613.77	4,763.81	-2,262.35	5,254.06	0.64	-0.06	0.63
14,469.00	91.33	350.68	9,612.54	4,852.18	-2,279.31	5,342.78	3.64	1.21	3.43
14,558.00	90.27	345.95	9,611.30	4,939.30	-2,297.33	5,430.71	5.45	-1.19	-5.31
14,648.00	90.47	346.38	9,610.72	5,026.69	-2,318.85	5,520.10	0.53	0.22	0.48
14,739.00	91.27	346.41	9,609.33	5,115.12	-2,340.25	5,610.44	0.88	0.88	0.03
14,828.00	90.78	343.99	9,607.74	5,201.15	-2,362.98	5,698.99	2.77	-0.55	-2.72
14,919.00	91.13	343.57	9,606.22	5,288.51	-2,388.40	5,789.73	0.60	0.38	-0.46
15,009.00	90.56	344.35	9,604.90	5,375.00	-2,413.26	5,879.45	1.07	-0.63	0.87
15,099.00	89.59	346.11	9,604.78	5,462.02	-2,436.20	5,969.00	2.23	-1.08	1.96
15,189.00	89.01	347.54	9,605.88	5,549.64	-2,456.71	6,058.27	1.71	-0.64	1.59
15,278.00	88.65	346.84	9,607.70	5,636.41	-2,476.44	6,146.46	0.88	-0.40	-0.79
15,368.00	88.60	347.57	9,609.86	5,724.15	-2,496.37	6,235.63	0.81	-0.06	0.81
15,457.00	88.51	350.80	9,612.10	5,811.53	-2,513.06	6,323.33	3.63	-0.10	3.63
15,547.00	88.42	350.58	9,614.51	5,900.31	-2,527.62	6,411.60	0.26	-0.10	-0.24
15,637.00	88.05	350.19	9,617.28	5,989.00	-2,542.64	6,499.96	0.60	-0.41	-0.43
15,727.00	88.05	350.22	9,620.35	6,077.64	-2,557.94	6,588.35	0.03	0.00	0.03
15,816.00	87.57	349.72	9,623.75	6,165.22	-2,573.43	6,675.82	0.78	-0.54	-0.56
15,906.00	88.54	349.61	9,626.80	6,253.70	-2,589.57	6,764.37	1.08	1.08	-0.12
15,995.00	88.54	349.37	9,629.07	6,341.18	-2,605.80	6,852.00	0.27	0.00	-0.27

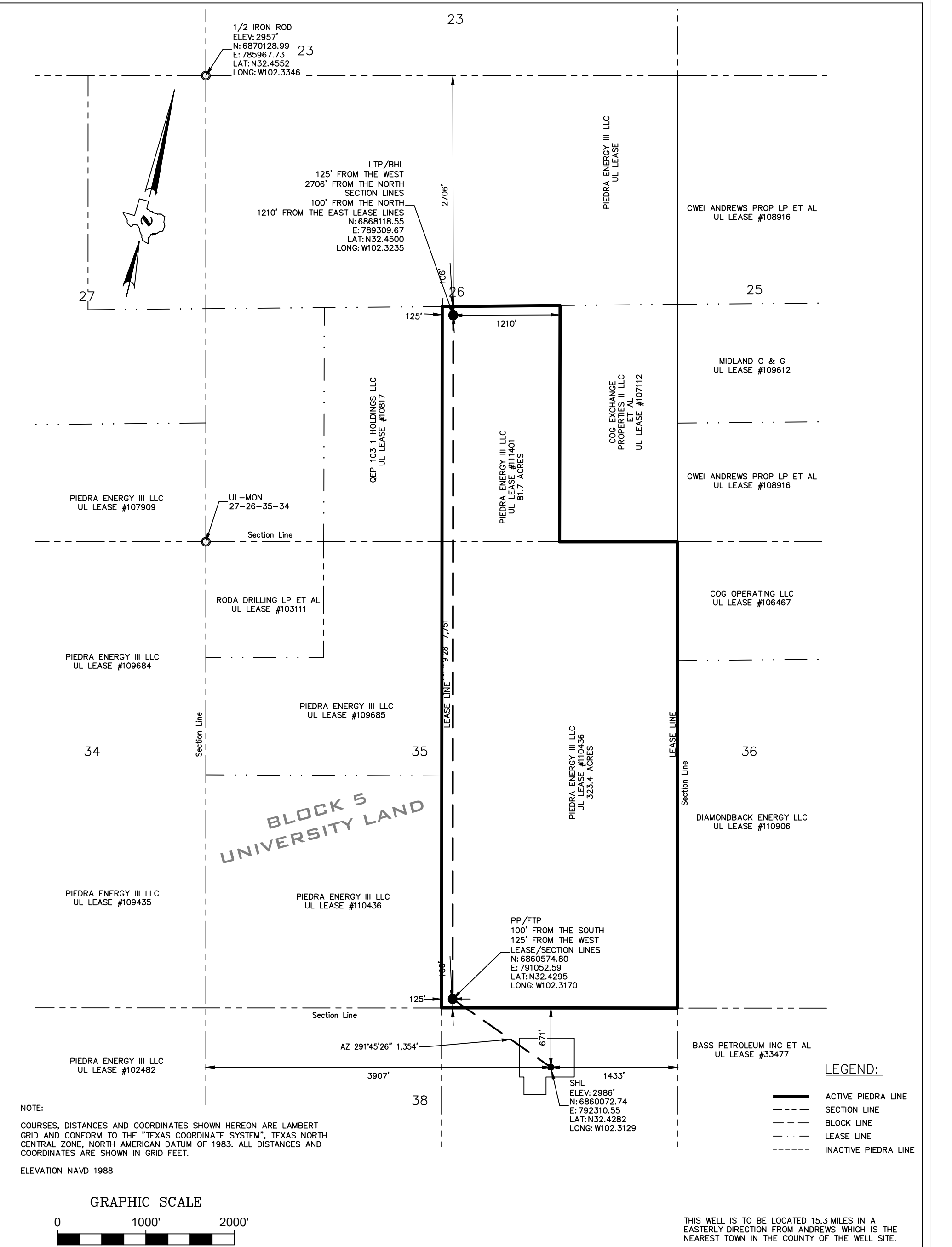
Company:	Piedra Operating LLC	Local Co-ordinate Reference:	Well University 5-35 N4 H 4LS
Project:	Andrews County, TX (NAD83-TNC)	TVD Reference:	RKB @ 3011.00usft (Ensign T54)
Site:	University 5-35	MD Reference:	RKB @ 3011.00usft (Ensign T54)
Well:	University 5-35 N4 H 4LS	North Reference:	Grid
Wellbore:	OH / 71235	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Ensign T54)	Database:	USA Compass

Survey

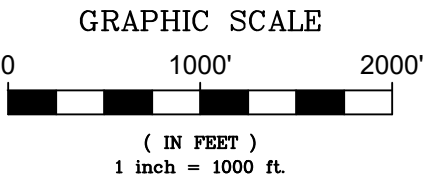
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,085.00	89.53	348.78	9,630.59	6,429.54	-2,622.85	6,940.75	1.28	1.10	-0.66
16,174.00	90.72	349.36	9,630.39	6,516.92	-2,639.73	7,028.52	1.49	1.34	0.65
16,263.00	90.90	349.43	9,629.13	6,604.39	-2,656.11	7,116.20	0.22	0.20	0.08
16,353.00	91.78	349.92	9,627.03	6,692.91	-2,672.23	7,204.77	1.12	0.98	0.54
16,443.00	91.95	349.53	9,624.10	6,781.42	-2,688.28	7,293.30	0.47	0.19	-0.43
16,532.00	90.58	348.09	9,622.13	6,868.70	-2,705.54	7,381.12	2.23	-1.54	-1.62
16,622.00	88.99	346.36	9,622.47	6,956.47	-2,725.44	7,470.30	2.61	-1.77	-1.92
16,713.00	89.14	347.05	9,623.96	7,045.01	-2,746.37	7,560.58	0.78	0.16	0.76
16,802.00	87.54	345.25	9,626.54	7,131.38	-2,767.66	7,648.95	2.71	-1.80	-2.02
16,892.00	88.65	345.52	9,629.53	7,218.42	-2,790.36	7,738.43	1.27	1.23	0.30
16,981.00	90.96	345.54	9,629.83	7,304.59	-2,812.59	7,826.94	2.60	2.60	0.02
17,071.00	90.69	344.56	9,628.53	7,391.54	-2,835.81	7,916.51	1.13	-0.30	-1.09
17,160.00	91.42	344.53	9,626.90	7,477.30	-2,859.52	8,005.16	0.82	0.82	-0.03
17,250.00	92.21	344.71	9,624.05	7,564.04	-2,883.38	8,094.76	0.90	0.88	0.20
17,340.00	92.69	344.67	9,620.20	7,650.76	-2,907.12	8,184.31	0.54	0.53	-0.04
17,429.00	92.63	346.50	9,616.07	7,736.86	-2,929.25	8,272.72	2.06	-0.07	2.06
17,519.00	91.56	347.02	9,612.78	7,824.41	-2,949.85	8,361.95	1.32	-1.19	0.58
17,608.00	88.59	346.86	9,612.66	7,911.10	-2,969.96	8,450.20	3.34	-3.34	-0.18
17,699.00	87.62	346.46	9,615.67	7,999.59	-2,990.94	8,540.45	1.15	-1.07	-0.44
17,746.31	87.32	346.42	9,617.76	8,045.54	-3,002.03	8,587.37	0.63	-0.63	-0.08
LTP: 17746.31' MD, 9617.76' TVD									
17,761.00	87.23	346.41	9,618.46	8,059.80	-3,005.47	8,601.94	0.63	-0.63	-0.08
Final Phoenix MWD Survey									
17,825.00	87.23	346.41	9,621.55	8,121.94	-3,020.49	8,665.40	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)	
1,840.00	1,839.94	-1.10	-2.00	Tie In
1,975.00	1,974.94	-1.77	-2.57	First Phoenix MWD Survey
9,992.72	9,573.17	499.68	-1,259.54	FTP: 9992.72' MD, 9573.17' TVD
17,746.31	9,617.76	8,045.54	-3,002.03	LTP: 17746.31' MD, 9617.76' TVD
17,761.00	9,618.46	8,059.80	-3,005.47	Final Phoenix MWD Survey
17,825.00	9,621.55	8,121.94	-3,020.49	Projection to TD



NOTE:
COURSES, DISTANCES AND COORDINATES SHOWN HEREON ARE LAMBERT GRID AND CONFORM TO THE "TEXAS COORDINATE SYSTEM", TEXAS NORTH CENTRAL ZONE, NORTH AMERICAN DATUM OF 1983. ALL DISTANCES AND COORDINATES ARE SHOWN IN GRID FEET.
ELEVATION NAVD 1988



- LEGEND:
- ACTIVE PIEDRA LINE
 - SECTION LINE
 - BLOCK LINE
 - LEASE LINE
 - INACTIVE PIEDRA LINE



SCHUMANN

A LATERAL LAND COMPANY

LAND SURVEYING

TEXAS FIRM No. 10149500

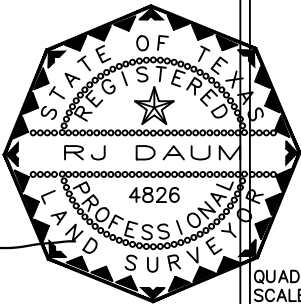
800 N. MARIENFELD STREET
SUITE 100
MIDLAND, TEXAS 79701

Office (432) 684-5548

THE UNDERSIGNED DOES HEREBY CERTIFY THAT THIS LOCATION WAS THIS DAY MADE ON THE GROUND BY ME OR UNDER MY SUPERVISION AND THAT THIS PLAT IS A CORRECT REPRESENTATION THEREOF.

DATED THIS 10TH DAY OF NOVEMBER, 2021

RJ DAUM
TEXAS RPLS 4826



LOCATION PLAT

PIEDRA OPERATING, LLC.

WELL NO. H 4LS
UNIVERSITY 5-35 N4

SURFACE HOLE
671 FEET FROM THE NORTH AND
1433 FEET FROM THE EAST LINES,
SECTION 39, BLOCK 5,
BOTTOM HOLE
2706 FEET FROM THE NORTH AND
125 FEET FROM THE WEST LINES,
SECTION 26, BLOCK 5,
UNIVERSITY LAND
ANDREWS COUNTY, TEXAS

QUAD: FIVE WELLS RANCH SW PROJECT: 78158-P
SCALE: 1" = 1000' REV 11-28-22 JOB NO: 78,158

SURVEY DATA CERTIFICATION



PHOENIX
TECHNOLOGY SERVICES

Job #: 71235
 Client: Piedra Operating, LLC
 County & State: Andrews County, TX
 Well: University 5-35 N4 H 4LS
 API No: 42-003-48505
 Proposed Direction: 339.55°

TIE-IN DATA

MD	TVD	INC	AZM	N/-S	E/-W	DATA SOURCE
1840.00 ft	1839.94 ft	0.31 ft	200.88 ft	-1.10 ft	-2.00 ft	MWD
Data Source Company:						True Shot

SURVEY DATA

First Survey Date	First Survey Depth	INC	AZM
14-Dec-22	1,975 ft	0.47°	232.64°

Last Survey Date	Last Survey Depth	INC	AZM
16-Feb-23	17,761 ft	87.23°	346.41°

Survey Instrument Type
Velocity

Projected TD Survey Date	Projected TD Survey Depth	INC	AZM
16-Feb-23	17,825 ft	87.23°	346.41°

CORRECTION INFORMATION

Magnetic Declination Used	5.76 degrees
Grid Convergence Used	-2.08 degrees
Total Correction	7.84 degrees

Corrected to True/Grid North
Grid

TO THE BEST OF MY KNOWLEDGE, I
 CERTIFY THIS SURVEY DATA TO BE
 TRUE AND CORRECT.

Chad Hatcher

Signature

February 16, 2023

Date