



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

December 8, 2022

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

Attention: Regulatory Department

Re: Percussion Petroleum
UL Benny East 18-29-30 TB 3H
Ward Co., Texas
API # 42-475-38399
Job No. 70401

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	
Cody Williams	3H	10,523	21,737	11/13/22	11/22/22	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

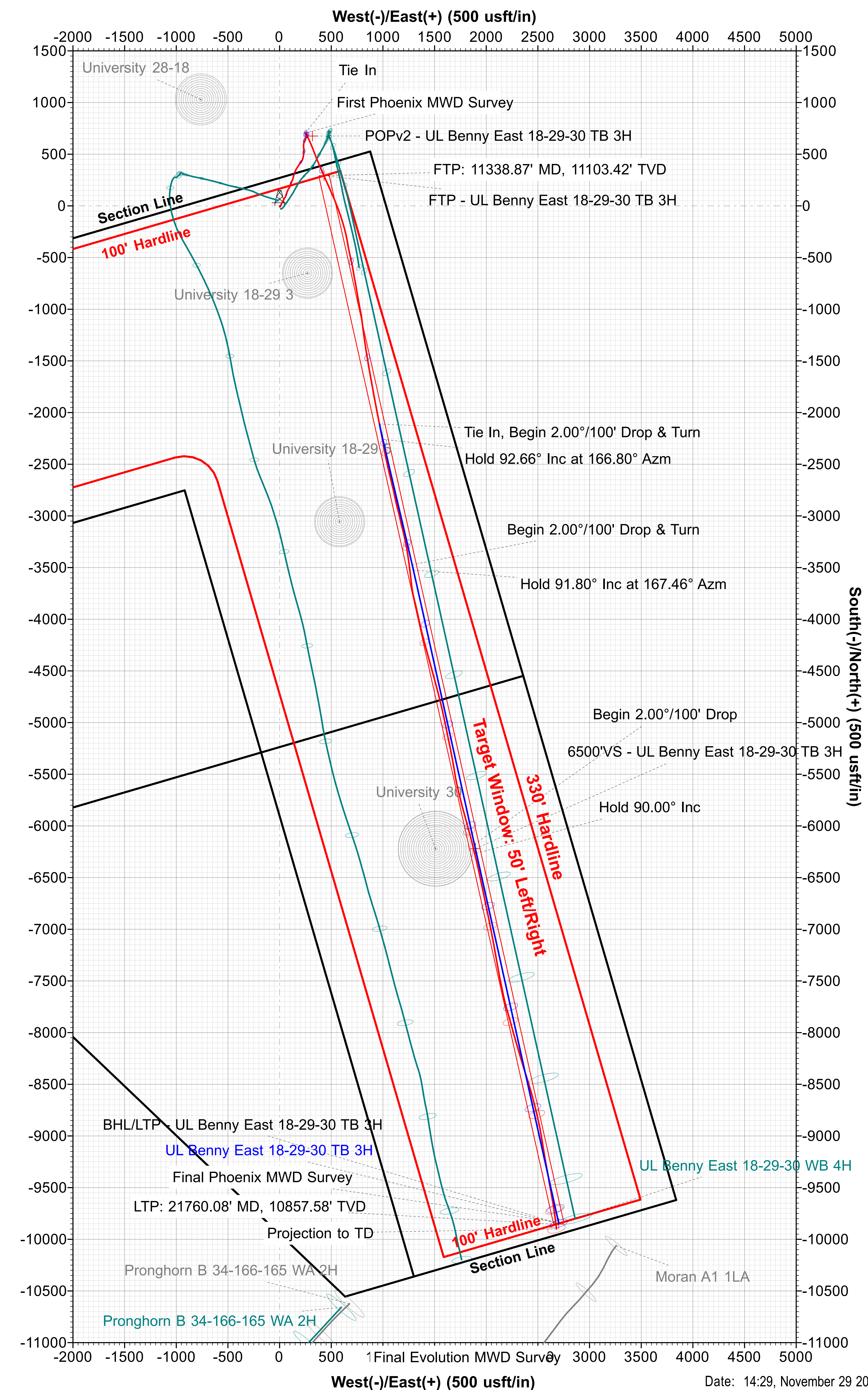
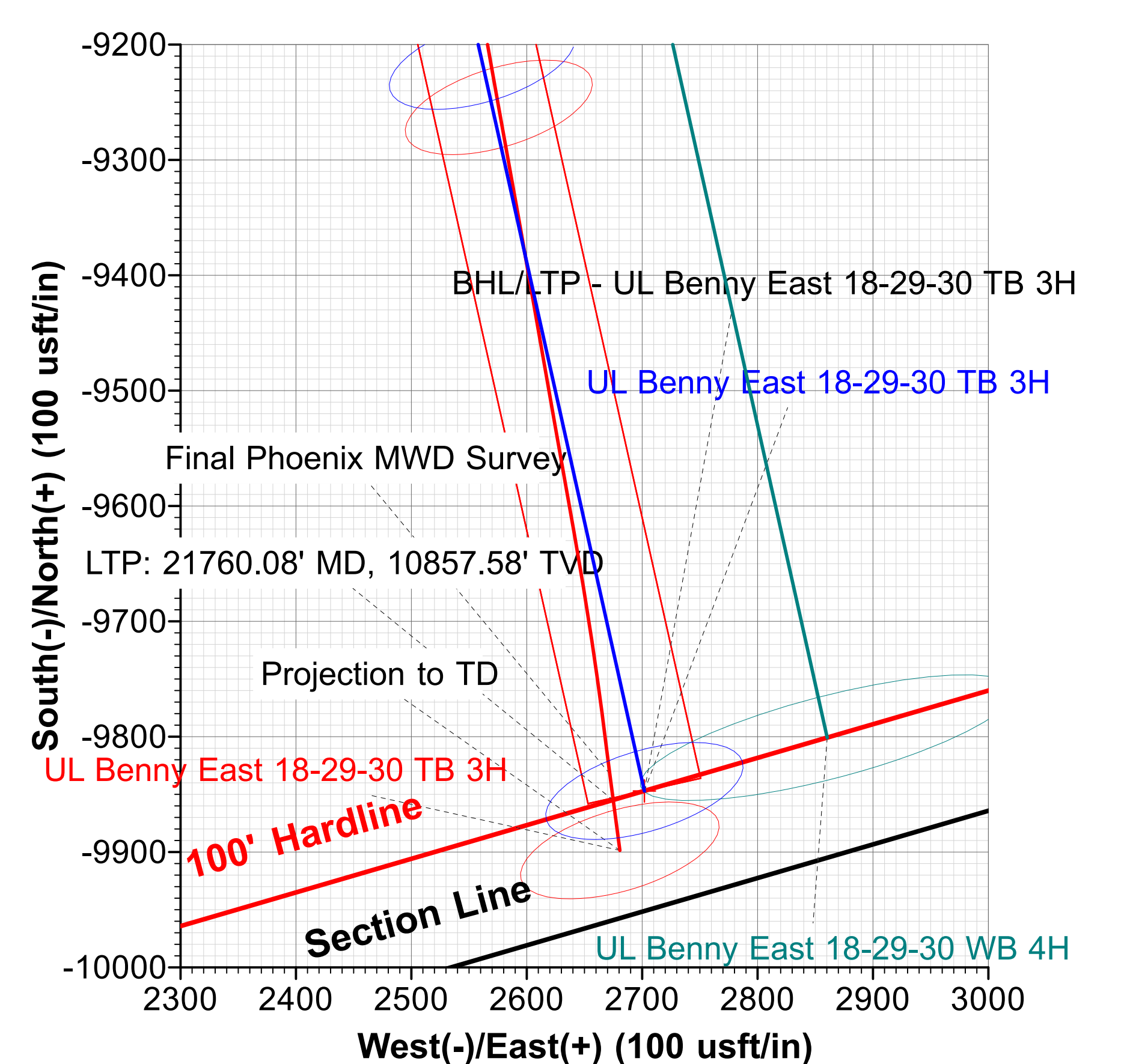
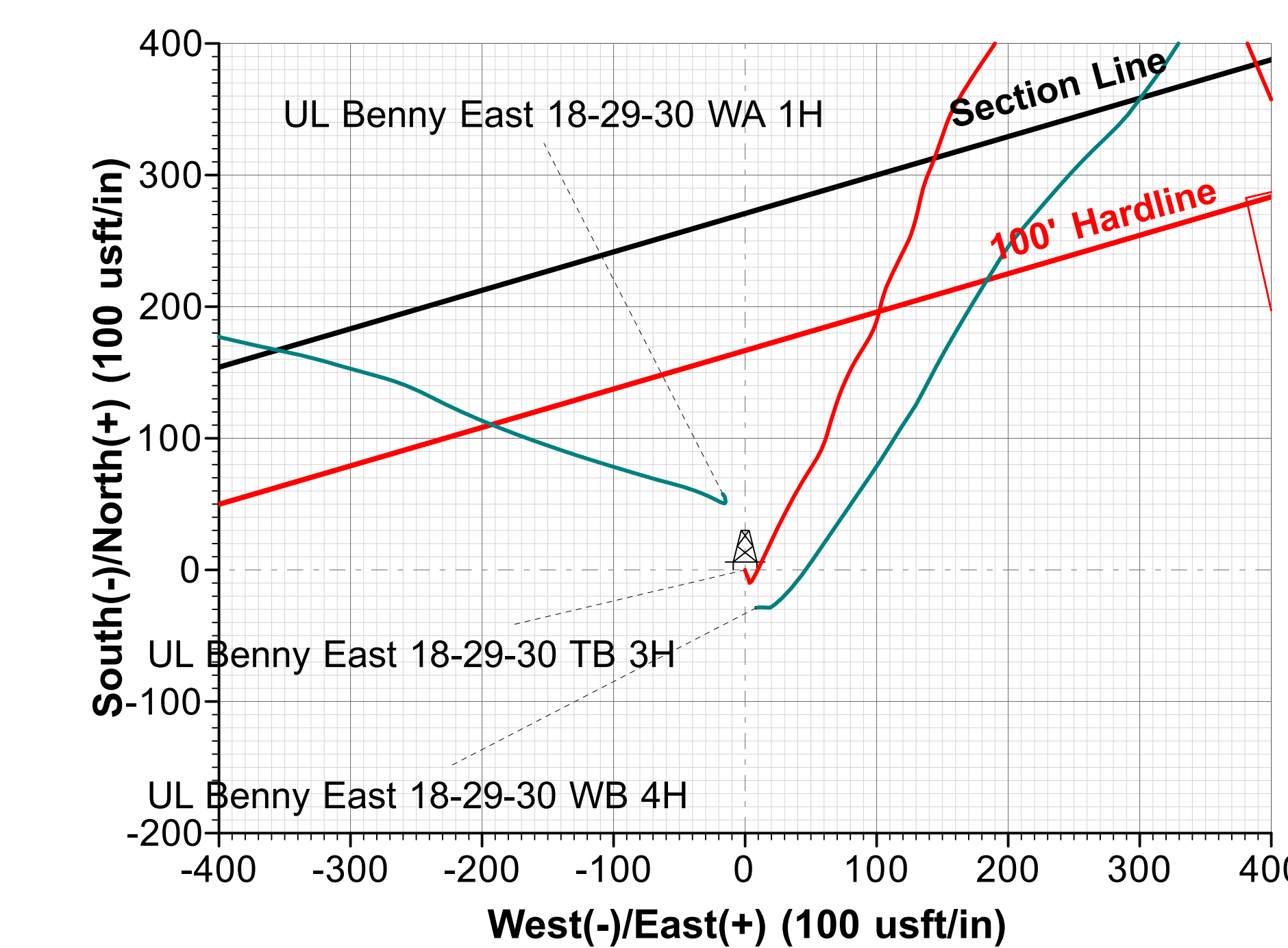
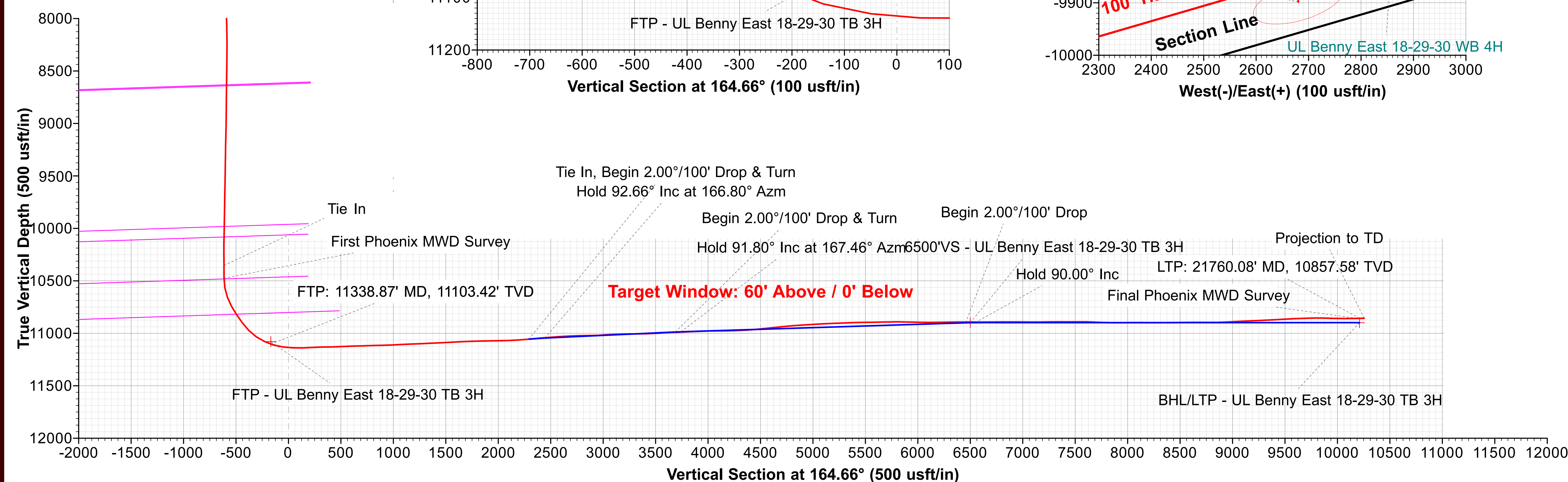
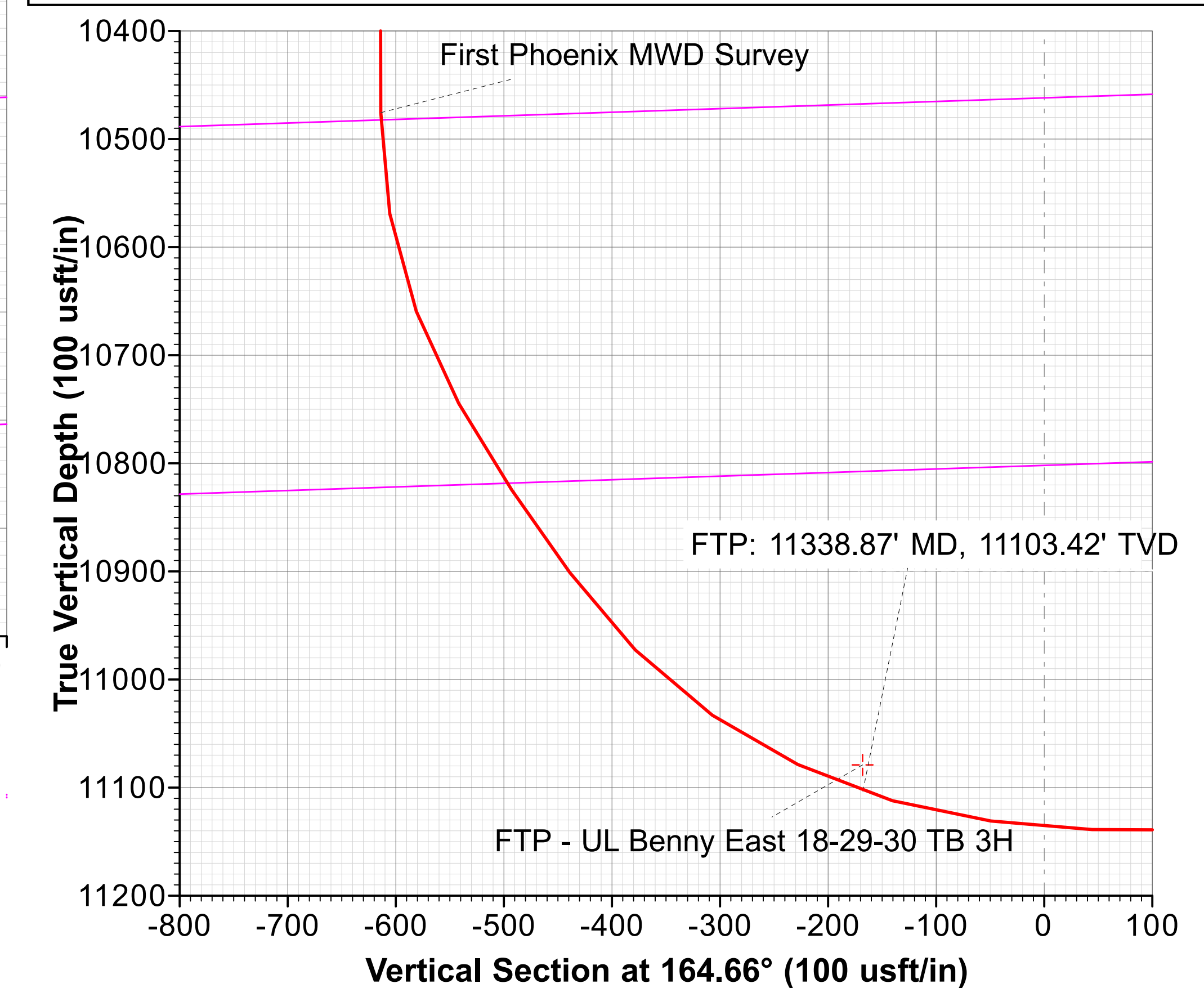
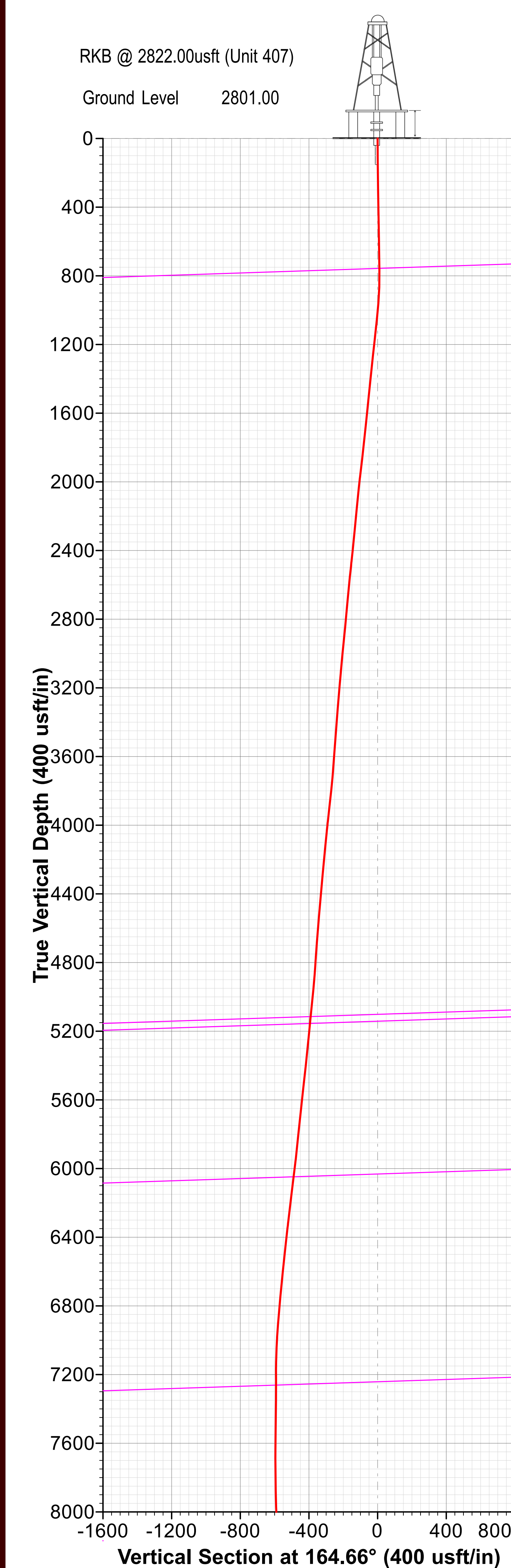
Brittany Carley
Operations Administrator

WELL DETAILS						
			Ground Level	2801.00		
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	708456.08	1084004.51	31° 34' 52.740492 N	103° 16' 30.697501 W	

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	13816.00	95.18	168.49	11056.16	-2111.20	966.82	0.00	0.000	2291.76	Tie In, Begin 2.00°/100' Drop & Turn
2	13967.60	92.66	166.80	11045.80	-2258.92	999.18	2.00	-146.153	2442.78	Hold 92.66° Inc at 166.80° Azm
3	15214.60	92.66	166.80	10987.93	-3471.67	1283.63	0.00	0.000	3687.56	Begin 2.00°/100' Drop & Turn
4	15268.79	91.80	167.46	10985.82	-3524.45	1295.69	2.00	142.503	3741.66	Hold 91.80° Inc at 167.46° Azm
5	17987.79	91.80	167.46	10900.41	-6177.28	1885.75	0.00	0.000	6456.07	Begin 2.00°/100' Drop
6	18077.79	90.00	167.46	10899.00	-6265.12	1905.29	2.00	179.993	6545.95	Hold 90.00° Inc
7	21747.20	90.00	167.46	10899.00	-9847.00	2701.98	0.00	0.000	10210.98	TD at 21747.20

DESIGN TARGET DETAILS										
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude			
POPv2 - UL Benny East 18-29-30 TB 3H	7242.00	676.10	317.63	709132.18	1084322.14	31° 34' 59.512735 N	103° 16' 27.233400 W			
6500VS - UL Benny East 18-29-30 TB 3H	10899.00	-6220.17	1895.43	702235.91	1085899.94	31° 33' 51.695229 N	103° 16' 6.895580 W			
BHL/LTP - UL Benny East 18-29-30 TB 3H	10899.00	-9847.00	2701.98	698609.08	1086706.49	31° 33' 16.022663 N	103° 15' 56.471387 W			
FTP - UL Benny East 18-29-30 TB 3H	11079.00	292.10	429.64	708748.18	1084434.15	31° 34' 55.742856 N	103° 16' 25.821589 W			

Map System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone Name: Texas Central 4203
 Local Origin: Well UL Benny East 18-29-30 TB 3H, Grid North
 Latitude: 31° 34' 52.740492 N
 Longitude: 103° 16' 30.697501 W
 Grid East: 1084004.51
 Grid North: 708456.08
 Scale Factor: 1.000
 Geomagnetic Model: MVHD
 Sample Date: 15-Oct-22
 Magnetic Declination: 6.744°
 Dip Angle from Horizontal: 59.324°
 Magnetic Field Strength: 47044.17495834nT
 To convert a Magnetic Direction to a Grid Direction, Add 8.259°
 To convert a Magnetic Direction to a True Direction, Add 6.744° East
 To convert a True Direction to a Grid Direction, Add 1.515°



Percussion Petroleum II, LLC

Ward Co., TX (NAD27 TC)

UL Benny East

UL Benny East 18-29-30 TB 3H

OH / 70401

Design: Surveys (Unit 407)

Standard Survey Report

29 November, 2022



PERCUSSION
PETROLEUM II
LLC

Company:	Percussion Petroleum II, LLC	Local Co-ordinate Reference:	Well UL Benny East 18-29-30 TB 3H
Project:	Ward Co., TX (NAD27 TC)	TVD Reference:	RKB @ 2822.00usft (Unit 407)
Site:	UL Benny East	MD Reference:	RKB @ 2822.00usft (Unit 407)
Well:	UL Benny East 18-29-30 TB 3H	North Reference:	Grid
Wellbore:	OH / 70401	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Unit 407)	Database:	USA Compass

Project	Ward Co., 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	UL Benny East				
Site Position:		Northing:	708,513.69 usft	Latitude:	31° 34' 53.306061 N
From:	Map	Easting:	1,083,987.67 usft	Longitude:	103° 16' 30.909725 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-1.515 °

Well	UL Benny East 18-29-30 TB 3H					
Well Position	+N/-S	0.00 usft	Northing:	708,456.08 usft	Latitude:	31° 34' 52.740492 N
	+E/-W	0.00 usft	Easting:	1,084,004.51 usft	Longitude:	103° 16' 30.697501 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	2,801.00 usft

Wellbore	OH / 70401				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	10/15/2022	6.744	59.324	47,044.17495834

Design	Surveys (Unit 407)				
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	164.66	

Survey Program	Date	11/29/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
136.00	10,401.00	Evolution MWD Surveys (OH / 70401)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	
10,523.00	21,804.00	Phoenix MWD Surveys (OH / 70401)	MWD+IFR1+MS	OWSG MWD + IFR1 + 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	
136.00	0.68	164.54	136.00	-0.78	0.22	0.81	0.50	0.50	0.00	
225.00	0.74	157.54	224.99	-1.82	0.58	1.91	0.12	0.07	-7.87	
315.00	1.03	158.26	314.98	-3.11	1.10	3.29	0.32	0.32	0.80	
405.00	0.94	155.36	404.97	-4.53	1.70	4.82	0.11	-0.10	-3.22	
432.00	0.97	152.52	431.96	-4.93	1.90	5.26	0.21	0.11	-10.52	
589.00	0.85	171.14	588.94	-7.26	2.69	7.72	0.20	-0.08	11.86	
679.00	0.89	164.58	678.93	-8.60	2.98	9.08	0.12	0.04	-7.29	
770.00	0.79	159.15	769.92	-9.86	3.39	10.41	0.14	-0.11	-5.97	
867.00	2.46	35.58	866.89	-8.80	4.84	9.76	3.06	1.72	-127.39	

Company:	Percussion Petroleum II, LLC	Local Co-ordinate Reference:	Well UL Benny East 18-29-30 TB 3H
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Site:	UL Benny East	MD Reference:	RKB @ 2822.00usft (Unit 407)
Well:	UL Benny East 18-29-30 TB 3H	North Reference:	Grid
Wellbore:	OH / 70401	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Unit 407)	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)
961.00	6.45	26.95	960.59	-2.45	8.41	4.58	4.29	4.24	-9.18
1,055.00	7.85	24.80	1,053.86	8.09	13.50	-4.23	1.52	1.49	-2.29
1,149.00	7.91	24.86	1,146.97	19.78	18.91	-14.08	0.06	0.06	0.06
1,241.00	8.12	26.66	1,238.07	31.34	24.49	-23.74	0.36	0.23	1.96
1,335.00	8.16	26.65	1,331.13	43.23	30.46	-33.63	0.04	0.04	-0.01
1,429.00	8.20	29.07	1,424.17	55.05	36.71	-43.38	0.37	0.04	2.57
1,523.00	8.43	30.70	1,517.18	66.84	43.48	-52.95	0.35	0.24	1.73
1,615.00	8.85	32.90	1,608.14	78.58	50.77	-62.35	0.58	0.46	2.39
1,709.00	7.82	26.17	1,701.15	90.39	57.52	-71.95	1.51	-1.10	-7.16
1,803.00	7.19	16.03	1,794.34	101.78	61.96	-81.76	1.56	-0.67	-10.79
1,897.00	7.66	16.53	1,887.56	113.44	65.37	-92.11	0.50	0.50	0.53
1,991.00	8.53	18.52	1,980.62	126.06	69.37	-103.22	0.97	0.93	2.12
2,084.00	7.03	22.24	2,072.76	137.87	73.71	-113.45	1.70	-1.61	4.00
2,178.00	6.94	25.22	2,166.06	148.33	78.31	-122.33	0.40	-0.10	3.17
2,273.00	7.83	29.86	2,260.28	159.13	83.98	-131.25	1.13	0.94	4.88
2,367.00	8.73	33.33	2,353.30	170.65	91.08	-140.47	1.09	0.96	3.69
2,462.00	7.69	23.48	2,447.33	182.50	97.58	-150.18	1.84	-1.09	-10.37
2,556.00	6.92	13.41	2,540.57	193.78	101.40	-160.05	1.59	-0.82	-10.71
2,650.00	6.14	13.61	2,633.95	204.17	103.89	-169.41	0.83	-0.83	0.21
2,744.00	6.43	21.32	2,727.39	213.96	106.99	-178.04	0.95	0.31	8.20
2,837.00	7.18	26.06	2,819.74	224.03	111.44	-186.57	1.01	0.81	5.10
2,931.00	7.43	25.94	2,912.97	234.78	116.68	-195.55	0.27	0.27	-0.13
3,026.00	7.61	26.82	3,007.16	245.91	122.20	-204.83	0.22	0.19	0.93
3,120.00	6.02	19.64	3,100.49	256.11	126.67	-213.48	1.92	-1.69	-7.64
3,215.00	5.65	14.34	3,195.00	265.33	129.50	-221.62	0.69	-0.39	-5.58
3,310.00	5.33	12.94	3,289.56	274.17	131.65	-229.57	0.37	-0.34	-1.47
3,405.00	5.15	12.94	3,384.17	282.62	133.59	-237.21	0.19	-0.19	0.00
3,499.00	4.89	15.11	3,477.81	290.60	135.58	-244.38	0.34	-0.28	2.31
3,591.00	5.22	21.79	3,569.45	298.27	138.15	-251.10	0.73	0.36	7.26
3,686.00	5.34	22.69	3,664.05	306.36	141.46	-258.03	0.15	0.13	0.95
3,780.00	6.83	20.25	3,757.51	315.64	145.08	-266.02	1.61	1.59	-2.60
3,875.00	7.63	18.62	3,851.76	326.92	149.05	-275.84	0.87	0.84	-1.72
3,970.00	7.74	19.90	3,945.90	338.91	153.24	-286.30	0.21	0.12	1.35
4,063.00	8.02	27.64	4,038.03	350.55	158.39	-296.16	1.18	0.30	8.32
4,158.00	8.06	31.48	4,132.10	362.10	164.94	-305.57	0.57	0.04	4.04
4,253.00	7.92	33.21	4,226.17	373.26	172.00	-314.46	0.29	-0.15	1.82
4,348.00	7.69	34.32	4,320.29	383.98	179.17	-322.90	0.29	-0.24	1.17
4,441.00	7.63	33.83	4,412.46	394.25	186.11	-330.97	0.10	-0.06	-0.53
4,536.00	7.34	32.94	4,506.65	404.58	192.93	-339.13	0.33	-0.31	-0.94
4,629.00	7.12	31.99	4,598.91	414.45	199.21	-346.99	0.27	-0.24	-1.02
4,724.00	6.53	34.49	4,693.24	423.90	205.39	-354.46	0.70	-0.62	2.63
4,819.00	6.27	40.79	4,787.65	432.28	211.84	-360.84	0.79	-0.27	6.63
4,913.00	6.77	30.96	4,881.04	440.92	218.04	-367.53	1.30	0.53	-10.46

Company:	Percussion Petroleum II, LLC	Local Co-ordinate Reference:	Well UL Benny East 18-29-30 TB 3H
Project:	Ward Co., TX (NAD27 TC)	TVD Reference:	RKB @ 2822.00usft (Unit 407)
Site:	UL Benny East	MD Reference:	RKB @ 2822.00usft (Unit 407)
Well:	UL Benny East 18-29-30 TB 3H	North Reference:	Grid
Wellbore:	OH / 70401	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Unit 407)	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)
5,008.00	6.75	18.48	4,975.39	451.02	222.69	-376.04	1.54	-0.02	-13.14
5,102.00	6.57	14.92	5,068.76	461.45	225.83	-385.27	0.48	-0.19	-3.79
5,196.00	6.22	12.60	5,162.17	471.62	228.32	-394.41	0.46	-0.37	-2.47
5,291.00	6.34	8.29	5,256.60	481.83	230.20	-403.77	0.51	0.13	-4.54
5,384.00	6.31	8.15	5,349.03	491.97	231.66	-413.16	0.04	-0.03	-0.15
5,478.00	6.66	7.57	5,442.43	502.49	233.12	-422.92	0.38	0.37	-0.62
5,573.00	6.88	6.40	5,536.77	513.60	234.48	-433.28	0.27	0.23	-1.23
5,667.00	6.59	3.57	5,630.12	524.58	235.44	-443.61	0.47	-0.31	-3.01
5,760.00	6.00	359.10	5,722.56	534.77	235.69	-453.36	0.82	-0.63	-4.81
5,855.00	5.97	355.90	5,817.04	544.66	235.26	-463.02	0.35	-0.03	-3.37
5,949.00	6.37	354.99	5,910.50	554.73	234.46	-472.94	0.44	0.43	-0.97
6,041.00	7.11	354.88	6,001.86	565.49	233.50	-483.57	0.80	0.80	-0.12
6,135.00	6.93	357.02	6,095.16	576.94	232.69	-494.83	0.34	-0.19	2.28
6,229.00	7.33	359.87	6,188.43	588.60	232.38	-506.16	0.57	0.43	3.03
6,323.00	7.22	9.15	6,281.68	600.43	233.31	-517.32	1.25	-0.12	9.87
6,419.00	7.54	16.52	6,376.88	612.43	236.06	-528.16	1.04	0.33	7.68
6,513.00	7.33	15.82	6,470.09	624.11	239.45	-538.53	0.24	-0.22	-0.74
6,605.00	7.08	20.15	6,561.37	635.08	243.00	-548.17	0.65	-0.27	4.71
6,700.00	7.46	25.92	6,655.61	646.12	247.71	-557.57	0.87	0.40	6.07
6,794.00	6.93	26.33	6,748.87	656.69	252.90	-566.39	0.57	-0.56	0.44
6,888.00	6.24	19.35	6,842.25	666.60	257.10	-574.83	1.12	-0.73	-7.43
6,982.00	4.93	20.73	6,935.80	675.19	260.23	-582.30	1.40	-1.39	1.47
7,075.00	3.34	22.52	7,028.55	681.43	262.68	-587.67	1.72	-1.71	1.92
7,169.00	2.24	37.10	7,122.44	685.43	264.84	-590.95	1.38	-1.17	15.51
7,262.00	1.17	75.02	7,215.40	687.12	266.85	-592.05	1.61	-1.15	40.77
7,357.00	0.56	98.41	7,310.39	687.31	268.24	-591.86	0.73	-0.64	24.62
7,452.00	0.91	13.08	7,405.38	687.97	268.87	-592.33	1.08	0.37	-89.82
7,547.00	1.01	5.49	7,500.37	689.54	269.13	-593.78	0.17	0.11	-7.99
7,641.00	0.52	7.10	7,594.36	690.79	269.26	-594.95	0.52	-0.52	1.71
7,734.00	0.32	222.70	7,687.36	691.02	269.13	-595.20	0.86	-0.22	-155.27
7,828.00	0.86	210.50	7,781.36	690.22	268.60	-594.57	0.59	0.57	-12.98
7,924.00	1.36	208.76	7,877.34	688.60	267.68	-593.25	0.52	0.52	-1.81
8,019.00	2.09	200.60	7,972.29	685.99	266.53	-591.04	0.81	0.77	-8.59
8,114.00	1.64	181.78	8,067.24	683.01	265.88	-588.34	0.79	-0.47	-19.81
8,209.00	0.87	190.41	8,162.22	680.94	265.71	-586.39	0.83	-0.81	9.08
8,304.00	0.82	77.73	8,257.22	680.37	266.24	-585.70	1.48	-0.05	-118.61
8,399.00	1.22	41.70	8,352.20	681.27	267.58	-586.21	0.78	0.42	-37.93
8,494.00	0.70	347.16	8,447.19	682.59	268.12	-587.34	1.05	-0.55	-57.41
8,589.00	1.40	26.77	8,542.17	684.20	268.52	-588.79	1.02	0.74	41.69
8,689.00	0.58	333.94	8,642.16	685.74	268.84	-590.19	1.15	-0.82	-52.83
8,783.00	1.38	291.89	8,736.15	686.59	267.58	-591.34	1.09	0.85	-44.73
8,877.00	1.42	276.06	8,830.12	687.14	265.38	-592.45	0.41	0.04	-16.84
8,971.00	1.90	265.24	8,924.08	687.13	262.67	-593.16	0.61	0.51	-11.51

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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)
9,065.00	2.60	272.34	9,018.01	687.09	258.98	-594.10	0.80	0.74	7.55
9,159.00	1.93	323.24	9,111.94	688.44	255.90	-596.22	2.17	-0.71	54.15
9,252.00	1.83	290.21	9,204.89	690.21	253.57	-598.54	1.15	-0.11	-35.52
9,347.00	1.40	312.12	9,299.86	691.51	251.29	-600.40	0.78	-0.45	23.06
9,442.00	0.62	359.19	9,394.84	692.81	250.42	-601.87	1.13	-0.82	49.55
9,537.00	1.29	24.22	9,489.83	694.29	250.85	-603.20	0.81	0.71	26.35
9,630.00	1.31	6.51	9,582.81	696.31	251.40	-604.99	0.43	0.02	-19.04
9,724.00	1.30	30.22	9,676.78	698.29	252.06	-606.73	0.57	-0.01	25.22
9,818.00	1.01	24.37	9,770.76	699.97	252.94	-608.12	0.33	-0.31	-6.22
9,912.00	1.20	358.65	9,864.75	701.71	253.26	-609.71	0.56	0.20	-27.36
10,007.00	0.87	347.40	9,959.73	703.41	253.08	-611.40	0.41	-0.35	-11.84
10,100.00	1.26	330.54	10,052.71	704.99	252.42	-613.09	0.53	0.42	-18.13
10,195.00	1.21	321.66	10,147.69	706.68	251.28	-615.03	0.21	-0.05	-9.35
10,289.00	0.91	163.28	10,241.69	706.75	250.88	-615.20	2.22	-0.32	-168.49
10,382.00	0.55	227.42	10,334.68	705.74	250.77	-614.25	0.90	-0.39	68.97
10,401.00	0.54	222.27	10,353.68	705.61	250.64	-614.16	0.26	-0.05	-27.11
Tie In									
10,523.00	0.06	200.55	10,475.68	705.12	250.23	-613.81	0.40	-0.39	-17.80
First Phoenix MWD Survey									
10,617.00	10.28	152.41	10,569.17	697.62	254.11	-605.55	10.89	10.87	-51.21
10,711.00	20.91	151.21	10,659.58	675.43	266.11	-580.97	11.31	11.31	-1.28
10,805.00	29.62	154.51	10,744.51	639.69	284.22	-541.71	9.38	9.27	3.51
10,899.00	33.96	156.36	10,824.39	594.64	304.75	-492.84	4.73	4.62	1.97
10,993.00	36.60	159.61	10,901.13	544.31	325.05	-438.93	3.45	2.81	3.46
11,087.00	44.20	157.61	10,972.66	487.66	347.33	-378.40	8.20	8.09	-2.13
11,181.00	55.54	159.98	11,033.16	420.73	373.16	-307.02	12.22	12.06	2.52
11,273.00	64.98	154.26	11,078.77	347.34	404.34	-228.00	11.59	10.26	-6.22
11,338.87	71.06	155.85	11,103.42	291.97	430.07	-167.80	9.50	9.23	2.42
FTP: 11338.87' MD, 11103.42' TVD									
11,368.00	73.75	156.52	11,112.22	266.57	441.28	-140.34	9.50	9.24	2.29
11,462.00	83.18	156.19	11,131.00	182.30	478.18	-49.30	10.04	10.03	-0.35
11,557.00	87.31	156.86	11,138.87	95.48	515.88	44.40	4.40	4.35	0.71
11,652.00	92.10	157.79	11,139.36	7.85	552.49	138.59	5.14	5.04	0.98
11,746.00	93.45	161.76	11,134.81	-80.23	584.95	232.12	4.46	1.44	4.22
11,840.00	90.78	162.89	11,131.34	-169.72	613.46	325.96	3.08	-2.84	1.20
11,934.00	90.84	166.79	11,130.01	-260.42	638.04	419.94	4.15	0.06	4.15
12,029.00	93.78	170.10	11,126.18	-353.40	657.05	514.63	4.66	3.09	3.48
12,124.00	90.98	168.57	11,122.23	-446.67	674.61	609.22	3.36	-2.95	-1.61
12,217.00	91.76	166.77	11,120.01	-537.49	694.47	702.06	2.11	0.84	-1.94
12,311.00	91.99	170.92	11,116.93	-629.64	712.64	795.74	4.42	0.24	4.41
12,405.00	90.64	169.02	11,114.78	-722.18	729.01	889.30	2.48	-1.44	-2.02
12,498.00	93.05	170.16	11,111.78	-813.59	745.80	981.90	2.87	2.59	1.23
12,591.00	93.30	170.60	11,106.63	-905.14	761.32	1,074.30	0.54	0.27	0.47
12,686.00	91.68	167.92	11,102.50	-998.38	779.00	1,168.89	3.29	-1.71	-2.82

Company:	Percussion Petroleum II, LLC	Local Co-ordinate Reference:	Well UL Benny East 18-29-30 TB 3H
Project:	Ward Co., TX (NAD27 TC)	TVD Reference:	RKB @ 2822.00usft (Unit 407)
Site:	UL Benny East	MD Reference:	RKB @ 2822.00usft (Unit 407)
Well:	UL Benny East 18-29-30 TB 3H	North Reference:	Grid
Wellbore:	OH / 70401	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Unit 407)	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)
12,780.00	92.41	172.64	11,099.15	-1,090.94	794.86	1,262.35	5.08	0.78	5.02
12,875.00	92.60	172.77	11,094.99	-1,185.08	806.91	1,356.33	0.24	0.20	0.14
12,969.00	92.77	172.12	11,090.59	-1,278.16	819.26	1,449.36	0.71	0.18	-0.69
13,064.00	92.77	170.75	11,086.00	-1,371.99	833.39	1,543.58	1.44	0.00	-1.44
13,160.00	93.25	171.56	11,080.96	-1,466.72	848.13	1,638.83	0.98	0.50	0.84
13,253.00	91.88	169.91	11,076.80	-1,558.41	863.09	1,731.21	2.30	-1.47	-1.77
13,348.00	91.20	169.48	11,074.24	-1,651.84	880.08	1,825.81	0.85	-0.72	-0.45
13,441.00	90.92	169.92	11,072.52	-1,743.33	896.70	1,918.44	0.56	-0.30	0.47
13,535.00	91.32	169.50	11,070.69	-1,835.80	913.49	2,012.05	0.62	0.43	-0.45
13,629.00	91.29	169.30	11,068.55	-1,928.17	930.78	2,105.71	0.22	-0.03	-0.21
13,723.00	94.37	168.82	11,063.90	-2,020.34	948.59	2,199.30	3.32	3.28	-0.51
13,816.00	95.18	168.49	11,056.16	-2,111.20	966.82	2,291.76	0.94	0.87	-0.35
13,910.00	94.91	169.36	11,047.90	-2,203.09	984.81	2,385.13	0.97	-0.29	0.93
14,004.00	95.27	169.89	11,039.56	-2,295.19	1,001.67	2,478.41	0.68	0.38	0.56
14,098.00	93.28	169.00	11,032.55	-2,387.34	1,018.84	2,571.81	2.32	-2.12	-0.95
14,192.00	93.02	167.98	11,027.38	-2,479.31	1,037.57	2,665.46	1.12	-0.28	-1.09
14,285.00	91.76	166.93	11,023.51	-2,570.00	1,057.75	2,758.27	1.76	-1.35	-1.13
14,378.00	89.72	165.98	11,022.31	-2,660.40	1,079.53	2,851.21	2.42	-2.19	-1.02
14,473.00	93.05	167.07	11,020.01	-2,752.75	1,101.66	2,946.11	3.69	3.51	1.15
14,567.00	94.59	168.27	11,013.75	-2,844.37	1,121.69	3,039.77	2.08	1.64	1.28
14,661.00	90.36	165.00	11,009.69	-2,935.71	1,143.39	3,133.59	5.69	-4.50	-3.48
14,754.00	92.60	167.45	11,007.29	-3,025.99	1,165.52	3,226.52	3.57	2.41	2.63
14,847.00	89.78	165.95	11,005.35	-3,116.46	1,186.91	3,319.43	3.43	-3.03	-1.61
14,942.00	91.48	167.06	11,004.31	-3,208.83	1,209.08	3,414.37	2.14	1.79	1.17
15,036.00	93.31	169.25	11,000.38	-3,300.74	1,228.36	3,508.10	3.03	1.95	2.33
15,129.00	93.30	172.50	10,995.02	-3,392.39	1,243.08	3,600.39	3.49	-0.01	3.49
15,223.00	92.04	172.26	10,990.64	-3,485.46	1,255.53	3,693.43	1.36	-1.34	-0.26
15,318.00	92.91	173.38	10,986.54	-3,579.63	1,267.39	3,787.38	1.49	0.92	1.18
15,412.00	92.49	173.40	10,982.11	-3,672.90	1,278.20	3,880.19	0.45	-0.45	0.02
15,542.00	91.29	166.00	10,977.82	-3,800.64	1,301.42	4,009.52	5.76	-0.92	-5.69
15,600.00	90.00	166.40	10,977.16	-3,856.96	1,315.25	4,067.50	2.33	-2.22	0.69
15,694.00	90.56	167.56	10,976.70	-3,948.54	1,336.43	4,161.42	1.37	0.60	1.23
15,788.00	91.82	167.91	10,974.75	-4,040.38	1,356.39	4,255.26	1.39	1.34	0.37
15,882.00	92.80	166.07	10,970.96	-4,131.88	1,377.54	4,349.10	2.22	1.04	-1.96
15,976.00	95.38	164.78	10,964.26	-4,222.62	1,401.13	4,442.84	3.07	2.74	-1.37
16,069.00	95.72	164.68	10,955.26	-4,311.91	1,425.50	4,535.40	0.38	0.37	-0.11
16,163.00	96.39	164.59	10,945.35	-4,402.05	1,450.27	4,628.88	0.72	0.71	-0.10
16,256.00	95.72	164.85	10,935.54	-4,491.26	1,474.64	4,721.36	0.77	-0.72	0.28
16,351.00	94.23	164.76	10,927.30	-4,582.59	1,499.45	4,816.00	1.57	-1.57	-0.09
16,444.00	93.19	165.17	10,921.28	-4,672.22	1,523.52	4,908.80	1.20	-1.12	0.44
16,540.00	93.81	166.01	10,915.42	-4,765.02	1,547.37	5,004.61	1.09	0.65	0.88
16,635.00	93.05	166.94	10,909.74	-4,857.22	1,569.55	5,099.39	1.26	-0.80	0.98
16,729.00	91.99	167.95	10,905.60	-4,948.88	1,589.96	5,193.18	1.56	-1.13	1.07

Company:	Percussion Petroleum II, LLC	Local Co-ordinate Reference:	Well UL Benny East 18-29-30 TB 3H
Project:	Ward Co., TX (NAD27 TC)	TVD Reference:	RKB @ 2822.00usft (Unit 407)
Site:	UL Benny East	MD Reference:	RKB @ 2822.00usft (Unit 407)
Well:	UL Benny East 18-29-30 TB 3H	North Reference:	Grid
Wellbore:	OH / 70401	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Unit 407)	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)
16,824.00	92.24	168.13	10,902.10	-5,041.75	1,609.63	5,287.95	0.32	0.26	0.19
16,918.00	92.38	168.91	10,898.31	-5,133.80	1,628.33	5,381.66	0.84	0.15	0.83
17,013.00	90.08	167.80	10,896.27	-5,226.81	1,647.50	5,476.44	2.69	-2.42	-1.17
17,107.00	90.98	169.05	10,895.40	-5,318.90	1,666.36	5,570.23	1.64	0.96	1.33
17,200.00	91.60	171.10	10,893.31	-5,410.48	1,682.38	5,662.78	2.30	0.67	2.20
17,294.00	90.56	170.08	10,891.54	-5,503.19	1,697.75	5,756.26	1.55	-1.11	-1.09
17,389.00	88.99	168.47	10,891.91	-5,596.53	1,715.42	5,850.95	2.37	-1.65	-1.69
17,484.00	88.88	165.81	10,893.67	-5,689.12	1,736.56	5,945.83	2.80	-0.12	-2.80
17,579.00	88.74	165.06	10,895.65	-5,781.04	1,760.45	6,040.80	0.80	-0.15	-0.79
17,672.00	90.28	164.72	10,896.44	-5,870.82	1,784.69	6,133.80	1.70	1.66	-0.37
17,767.00	90.87	164.99	10,895.49	-5,962.52	1,809.51	6,228.79	0.68	0.62	0.28
17,861.00	90.98	165.23	10,893.97	-6,053.35	1,833.66	6,322.77	0.28	0.12	0.26
17,955.00	90.64	165.87	10,892.64	-6,144.37	1,857.11	6,416.75	0.77	-0.36	0.68
18,048.00	89.75	165.81	10,892.33	-6,234.54	1,879.86	6,509.73	0.96	-0.96	-0.06
18,142.00	89.19	166.56	10,893.20	-6,325.82	1,902.31	6,603.69	1.00	-0.60	0.80
18,236.00	91.15	167.52	10,892.92	-6,417.42	1,923.39	6,697.61	2.32	2.09	1.02
18,330.00	90.31	167.99	10,891.72	-6,509.27	1,943.32	6,791.46	1.02	-0.89	0.50
18,424.00	89.66	167.98	10,891.74	-6,601.21	1,962.89	6,885.30	0.69	-0.69	-0.01
18,518.00	90.08	168.67	10,891.96	-6,693.26	1,981.91	6,979.11	0.86	0.45	0.73
18,614.00	89.19	167.93	10,892.57	-6,787.26	2,001.38	7,074.91	1.21	-0.93	-0.77
18,708.00	90.56	168.58	10,892.77	-6,879.29	2,020.51	7,168.72	1.61	1.46	0.69
18,801.00	91.18	169.03	10,891.36	-6,970.51	2,038.57	7,261.47	0.82	0.67	0.48
18,895.00	89.47	168.75	10,890.83	-7,062.75	2,056.68	7,355.21	1.84	-1.82	-0.30
18,990.00	89.75	169.57	10,891.48	-7,156.05	2,074.54	7,449.91	0.91	0.29	0.86
19,085.00	90.90	170.22	10,890.94	-7,249.57	2,091.21	7,544.51	1.39	1.21	0.68
19,179.00	87.87	169.64	10,891.95	-7,342.11	2,107.64	7,638.10	3.28	-3.22	-0.62
19,274.00	87.65	169.73	10,895.66	-7,435.50	2,124.64	7,732.66	0.25	-0.23	0.09
19,369.00	88.71	167.80	10,898.68	-7,528.63	2,143.14	7,827.36	2.32	1.12	-2.03
19,463.00	90.56	168.58	10,899.27	-7,620.63	2,162.38	7,921.18	2.14	1.97	0.83
19,557.00	90.98	166.14	10,898.01	-7,712.34	2,182.94	8,015.06	2.63	0.45	-2.60
19,651.00	89.10	163.25	10,897.95	-7,802.99	2,207.75	8,109.04	3.67	-2.00	-3.07
19,744.00	89.75	164.95	10,898.88	-7,892.42	2,233.23	8,202.03	1.96	0.70	1.83
19,838.00	90.36	164.59	10,898.79	-7,983.12	2,257.92	8,296.03	0.75	0.65	-0.38
19,932.00	90.56	163.77	10,898.03	-8,073.56	2,283.55	8,390.02	0.90	0.21	-0.87
20,026.00	90.31	163.64	10,897.32	-8,163.78	2,309.92	8,484.01	0.30	-0.27	-0.14
20,118.00	90.73	163.68	10,896.49	-8,252.06	2,335.80	8,575.99	0.46	0.46	0.04
20,212.00	90.00	162.84	10,895.89	-8,342.07	2,362.88	8,669.96	1.18	-0.78	-0.89
20,305.00	89.36	161.88	10,896.41	-8,430.69	2,391.06	8,762.88	1.24	-0.69	-1.03
20,399.00	90.98	163.58	10,896.13	-8,520.45	2,418.96	8,856.82	2.50	1.72	1.81
20,493.00	93.05	165.35	10,892.82	-8,610.95	2,444.12	8,950.75	2.90	2.20	1.88
20,587.00	93.03	165.30	10,887.84	-8,701.76	2,467.90	9,044.61	0.06	-0.02	-0.05
20,681.00	92.32	166.78	10,883.45	-8,792.88	2,490.55	9,138.48	1.74	-0.76	1.57
20,774.00	93.08	167.98	10,879.07	-8,883.53	2,510.85	9,231.27	1.53	0.82	1.29
20,868.00	92.27	170.09	10,874.68	-8,975.71	2,528.71	9,324.89	2.40	-0.86	2.24

Company:	Percussion Petroleum II, LLC	Local Co-ordinate Reference:	Well UL Benny East 18-29-30 TB 3H
Project:	Ward Co., TX (NAD27 TC)	TVD Reference:	RKB @ 2822.00usft (Unit 407)
Site:	UL Benny East	MD Reference:	RKB @ 2822.00usft (Unit 407)
Well:	UL Benny East 18-29-30 TB 3H	North Reference:	Grid
Wellbore:	OH / 70401	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Unit 407)	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)
20,963.00	93.16	171.08	10,870.18	-9,069.32	2,544.23	9,419.27	1.40	0.94	1.04
21,056.00	93.47	170.25	10,864.80	-9,160.93	2,559.29	9,511.61	0.95	0.33	-0.89
21,151.00	91.85	169.73	10,860.39	-9,254.38	2,575.78	9,606.09	1.79	-1.71	-0.55
21,245.00	92.66	169.91	10,856.70	-9,346.83	2,592.38	9,699.64	0.88	0.86	0.19
21,338.00	90.17	170.21	10,854.40	-9,438.40	2,608.43	9,792.19	2.70	-2.68	0.32
21,433.00	87.93	169.86	10,855.97	-9,531.95	2,624.87	9,886.75	2.39	-2.36	-0.37
21,526.00	89.22	169.93	10,858.29	-9,623.47	2,641.18	9,979.33	1.39	1.39	0.08
21,620.00	89.50	171.48	10,859.34	-9,716.23	2,656.36	10,072.80	1.68	0.30	1.65
21,714.00	91.46	172.96	10,858.55	-9,809.35	2,669.08	10,165.97	2.61	2.09	1.57
21,737.00	91.12	172.52	10,858.03	-9,832.16	2,671.99	10,188.74	2.42	-1.48	-1.91
Final Phoenix MWD Survey									
21,760.08	91.12	172.52	10,857.58	-9,855.04	2,674.99	10,211.60	0.00	0.00	0.00
LTP: 21760.08' MD, 10857.58' TVD									
21,804.00	91.12	172.52	10,856.72	-9,898.58	2,680.71	10,255.10	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)	
10,401.00	10,353.68	705.61	250.64	Tie In
10,523.00	10,475.68	705.12	250.23	First Phoenix MWD Survey
11,338.87	11,103.42	291.97	430.07	FTP: 11338.87' MD, 11103.42' TVD
21,737.00	10,858.03	-9,832.16	2,671.99	Final Phoenix MWD Survey
21,760.08	10,857.58	-9,855.04	2,674.99	LTP: 21760.08' MD, 10857.58' TVD
21,804.00	10,856.72	-9,898.58	2,680.71	Projection to TD

SURVEY DATA CERTIFICATION



PHOENIX
TECHNOLOGY SERVICES

Job #: 70401
 Client: Percussion Petroleum II, LLC
 County & State: Ward County, Texas
 Well: UL Benny East 18-29-30 TB 3H
 API No: 42-475-38399
 Proposed Direction: 164.66°

TIE-IN DATA

MD	TVD	INC	AZM	N/-S	E/-W	DATA SOURCE
10401.00 ft	10353.68 ft	0.54°	222.27°	705.61 N	250.64 E	MWD
Data Source Company:						Evolution

SURVEY DATA

First Survey Date	First Survey Depth	INC	AZM
13-Nov-22	10,523 ft	0.06°	200.55°

Last Survey Date	Last Survey Depth	INC	AZM
22-Nov-22	21,737 ft	91.12°	172.52°

Survey Instrument Type
P-360

Projected TD Survey Date	Projected TD Survey Depth	INC	AZM
22-Nov-22	21,804 ft	91.12°	172.52°

CORRECTION INFORMATION

Magnetic Declination Used	6.74 degrees
Grid Convergence Used	-1.52 degrees
Total Correction	8.26 degrees

Corrected to True/Grid North
Grid North

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

Cody Williams

Signature

22-Nov

Date

UNIVERSITY LAND
SECTION 32, BLOCK 18

UNIVERSITY LAND
SECTION 28, BLOCK 18

UNIVERSITY LAND
ABSTRACT NO. U108
SECTION 29, BLOCK 18

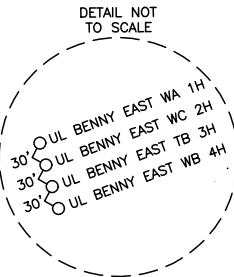
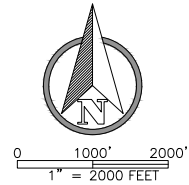
UL LEASE #118524
480.53 CALLED
ACRES

W.L. DOWNING
SECTION 31, BLOCK 18

A.J. WILSON
ABSTRACT NO. 807
SECTION 40

H. & T.M. C. R.R. CO.
ABSTRACT NO. 260
SECTION 165

SURFACE HOLE LOCATION
UL BENNY EAST
18-29-30 TB 3H
ELEV. = 2,801'



LINE	BEARING	DISTANCE
L1	N 84°46'18" W	706.30'
L2	S 16°15'10" E	99.00'
L3	S 16°15'24" E	10369.40'

LEASE NUMBER	LESSOR	ACREAGE	LATERAL LENGTH
#118524	UNIVERSITY LANDS, SECTION 29	480.53	5186.91'
#42942	UNIVERSITY LANDS, SECTION 30	320.65	5182.49'
TOTAL		801.18	10,369.40'

WELL LOCATION INFORMATION:

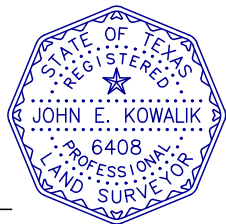
SHL	FTP
989' FEL & 260' FNL	1,646' FELL & 100' FNLL
989' FELL & 260' FNLL	NAD 27 TXC
NAD 27 TXC	Y = 708,425.40
Y = 708,456.08	X = 1,083,328.86
X = 1,084,004.51	LAT. = 31.581183 °N
LAT. = 31.581317 °N	LONG. = 103.277360 °W
LONG. = 103.275194 °W	NAD 83 TXC
NAD 83 TXC	Y = 10,551,000.97
Y = 10,551,031.65	X = 1,379,793.82
X = 1,380,469.48	LAT. = 31.581315 °N
LAT. = 31.581448 °N	LONG. = 103.277807 °W
LONG. = 103.275640 °W	
POP	LTP/BHL
1,646' FELL & 1' FNLL	100' FSL & 1,650' FEL
NAD 27 TXC	100' FSL & 995' FWLL
NAD 27 TXC	NAD 27 TXC
Y = 708,520.44	Y = 698,470.59
X = 1,083,301.15	X = 1,086,231.67
LAT. = 31.581443 °N	LAT. = 31.554036 °N
LONG. = 103.277457 °W	LONG. = 103.267199 °W
NAD 83 TXC	NAD 83 TXC
Y = 10,551,096.01	Y = 10,541,046.00
X = 1,379,766.11	X = 1,382,696.73
LAT. = 31.581574 °N	LAT. = 31.554168 °N
LONG. = 103.277904 °W	LONG. = 103.267644 °W

GENERAL NOTES

- COORDINATES SHOWN ARE BASED ON TEXAS PLANE COORDINATE SYSTEM OF NAD 27, TEXAS CENTRAL ZONE 4203
- VERTICAL DATUM IS NAVD 88
- LATITUDE AND LONGITUDE ARE NAD 27 AS SHOWN
- AREA, DISTANCES, AND COORDINATES ARE "GRID".
- UNITS ARE UNITED STATES SURVEY FOOT.
- ALL LEASE AND TRACT INFORMATION SHOWN HERE ON IS DONE SO BY LIMITED DEED RECORD INFORMATION ONLY. ALL ACREAGES SHOWN ARE BY DEED AND LEASE CALL, EXCEPT WHERE NOTED. THIS IS NOT IN ANY WAY A "BOUNDARY SURVEY".

I HEREBY STATE THAT THIS PLAT
SHOWS THE SUBJECT SURFACE
LOCATION AS STAKED ON THE GROUND.

John E. Kowalik
JOHN E. KOWALIK
REGISTERED PROFESSIONAL LAND SURVEYOR
STATE OF TEXAS NO. 6408



PLAT OF:

A PROPOSED WELL LOCATION FOR:
PERCUSSION PETROLEUM OPER II, LLC.
UL BENNY EAST 18-29-30 TB 3H

SITUATED IN THE UNIVERSITY LANDS SECTIONS 29 & 30,
BLOCK 18, AND BEING APPROXIMATELY 10.1 MILES
NORTHWEST OF PYOTE IN WARD COUNTY, TEXAS.

DATE: 05-02-2022
DRAWN BY: CH
CHECKED BY: RS
FIELD CREW: DN
PROJECT NO: 2022040780
SCALE: 1" = 2000'
SHEET: 1 OF 1
REVISION:

FSC INC
SURVEYORS + ENGINEERS
550 Bailey Ave., 205 - Fort Worth, TX 76107
Ph: 817.349.9800 - Fax: 979.732.5271
TBPE Firm 17957 | TBPLS Firm 10193887
www.fscinc.net
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