

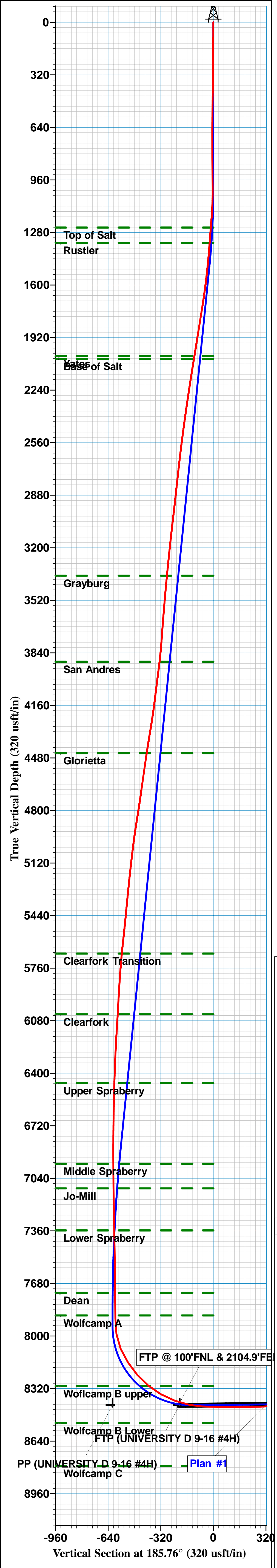


Rockport Energy Solutions, LLC
 Project: Upton County, TX
 Site: University Land Survey SEC 09, Block 04
 Well: UNIVERSITY D 9-16 #4H
 Wellbore: OWB
 Design: AWB
 Lat: 31° 12' 2.913 N
 Long: 101° 48' 42.783 W
 Pad GL: 2730.0
 KB: KB 26.5Ft + GL 2730Ft @ 2756.5usft

Azimuths to Grid North
 True North: 0.76°
 Magnetic North: 6.49°

Magnetic Field
 Strength: 47015.3nT
 Dip Angle: 59.36°
 Date: 02/03/2023
 Model: HDGM

To convert a Magnetic Direction to a Grid Direction, Add 6.49°

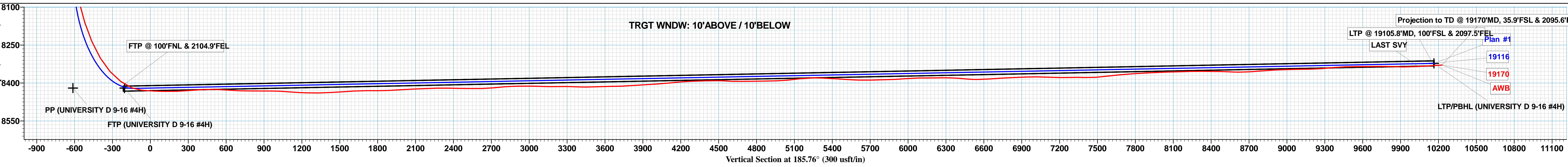
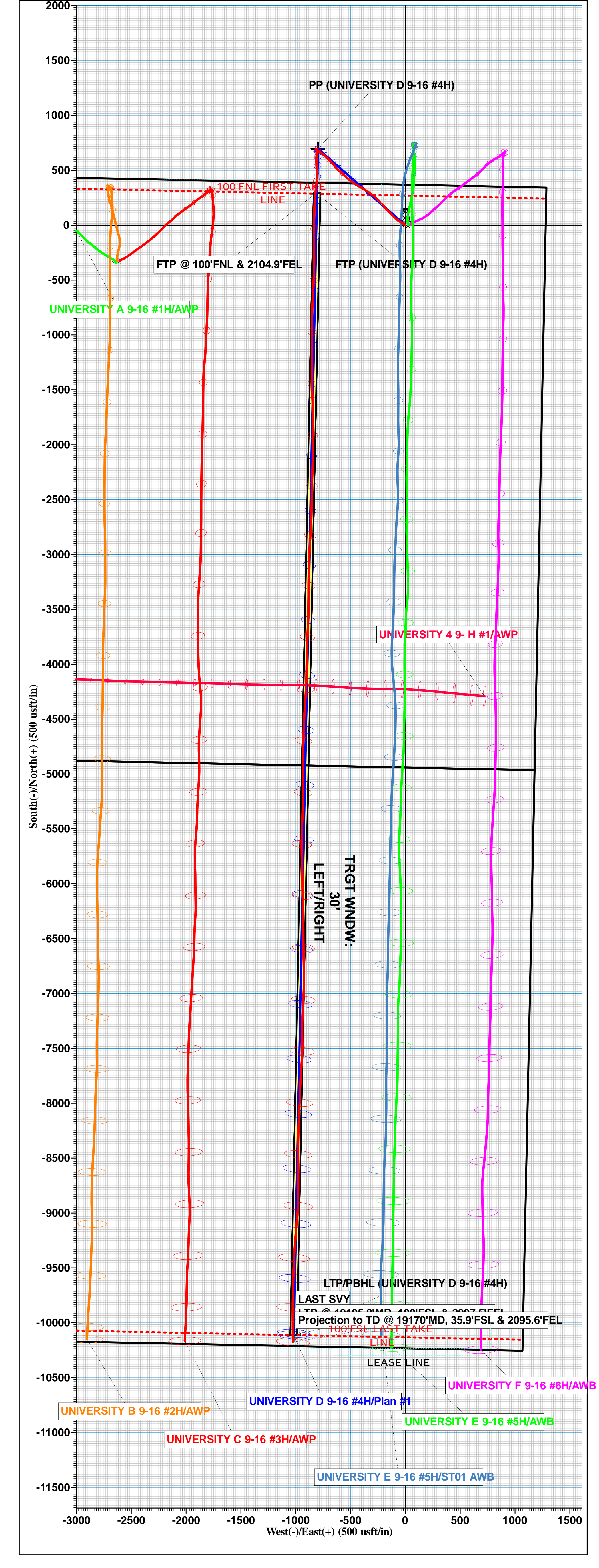
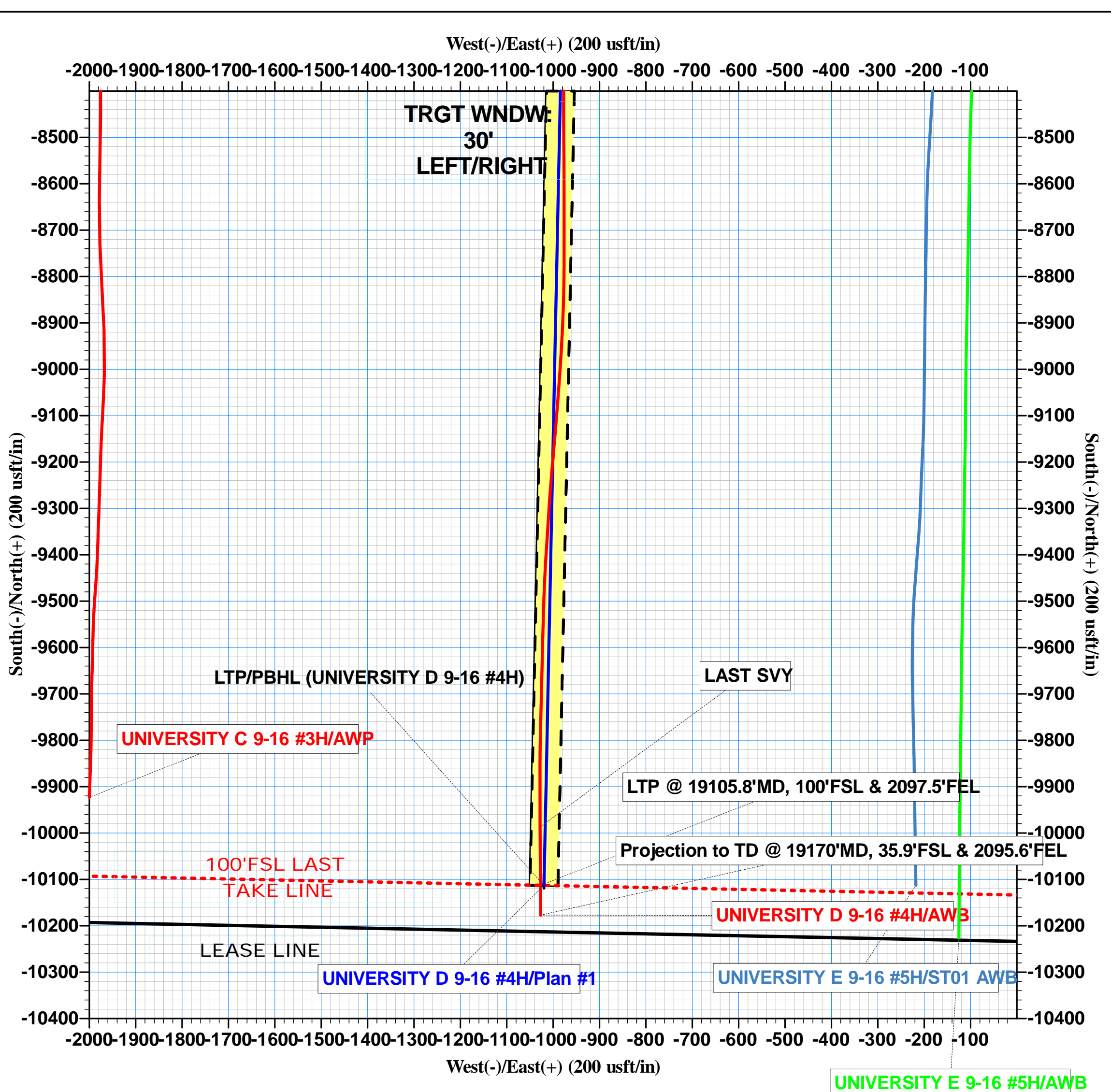
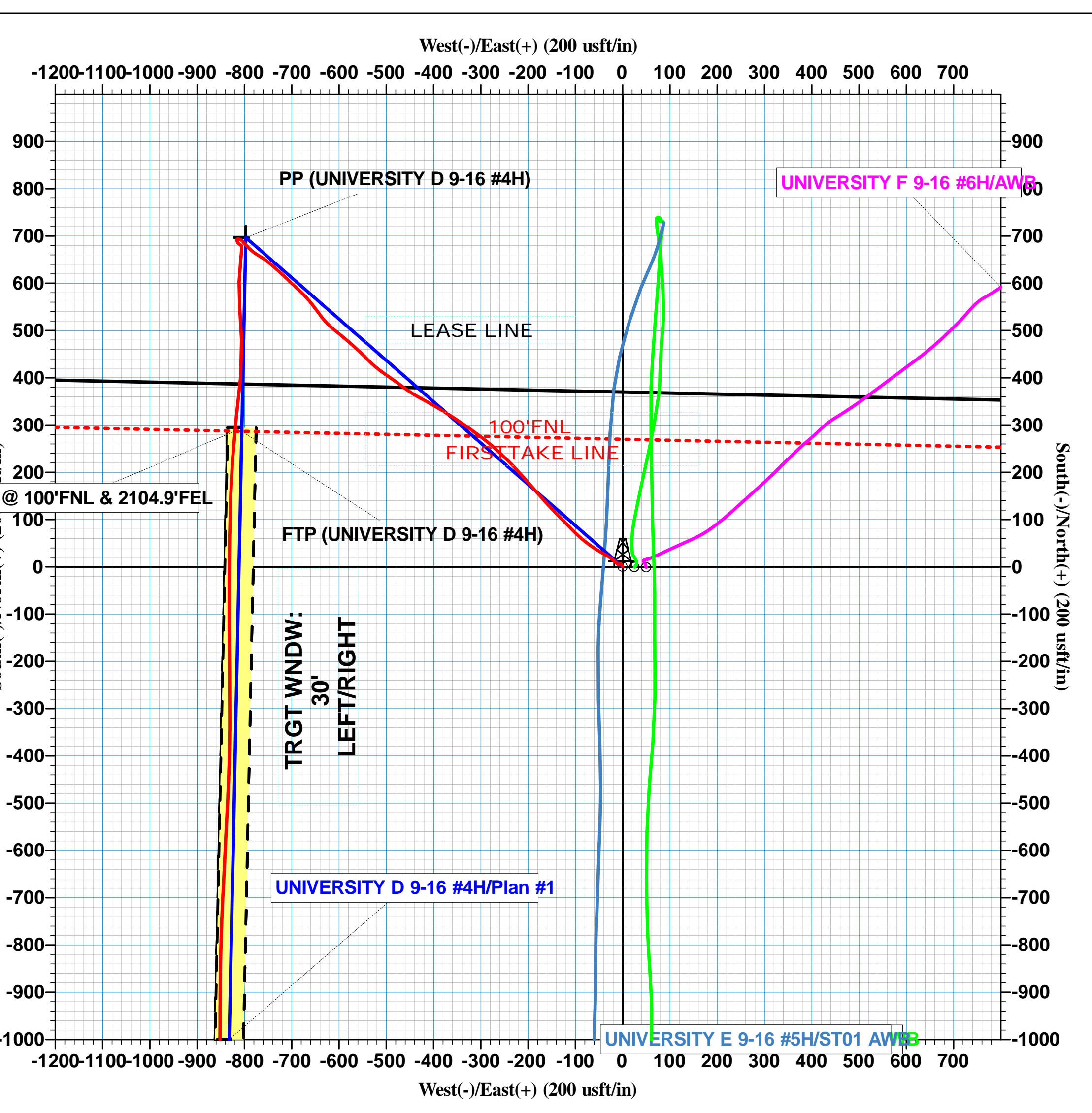


WELL DETAILS: UNIVERSITY D 9-16 #4H									
+N/-S	+E/-W	Northing	2730.0	Latitude	Longitude				
0.0	0.0	561017.03	Easting	31° 12' 2.913 N	101° 48' 42.783 W				
1537749.87									

SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.0	
1000.0	0.00	0.00	1000.0	0.0	0.0	0.0	0.00	0.0	NUDGE - Build 2.00
1492.0	9.84	311.15	1489.5	27.7	-31.7	2.00	311.15	-24.4	HOLD - 5455.5 at 1492.0 MD
6947.5	9.84	311.15	6864.8	641.2	-733.6	0.00	0.00	-564.4	DROP - 1.00
7931.4	0.00	181.17	7843.9	696.7	-797.1	1.00	180.00	-613.2	HOLD - 100.0 at 7931.4 MD
8031.4	0.00	181.17	7943.9	696.7	-797.1	0.00	181.17	-613.2	KOP - Build 12.00
8713.7	81.88	181.18	8416.6	286.8	-805.5	12.00	181.18	-204.5	FTP @ 8713.7MD, 8416.6TVD, 81.88°inc
8786.0	90.55	181.18	8421.3	214.8	-807.0	12.00	0.00	-132.7	EOC - 10330.3 hold at 8786.0 MD
19116.3	90.55	181.18	8322.4	-10112.9	-1019.7	0.00	0.00	10164.1	TD at 19116.3

DESIGN TARGET DETAILS				
Name	TVD	+N/-S	+E/-W	Northing
LTP/PBHL (UNIVERSITY D 9-16 #4H)	8322.4	-10112.9	-1019.7	550904.16
FTP (UNIVERSITY D 9-16 #4H)	8420.0	286.8	-805.4	561303.80
PP (UNIVERSITY D 9-16 #4H)	8420.0	696.7	-797.1	561713.71

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
1250.0	1251.3	Top of Salt
1343.0	1345.6	Rustler
2033.0	2054.2	Yates
2050.0	2071.7	Base of Salt
3370.0	3420.7	Grayburg
3894.0	3955.5	San Andres
4451.0	4530.2	Glorietta
5671.0	5774.5	Clearfork Transition
6041.0	6147.9	Clearfork
6460.0	6568.4	Upper Spraberry
6951.0	7059.6	Middle Spraberry
7101.0	7209.6	Jo-Mill
7357.0	7465.7	Lower Spraberry
7737.0	7845.8	Dean
7875.0	7983.8	Wolfcamp A
8305.0	8479.4	Wolfcamp B upper





Railroad Commission of Texas
Oil and Gas Division
PO Box 12967
Capitol Station
Austin, TX 78711

Attention: Pam Johns

Rockport Energy Solutions, LLC
University D 9-16 #4H
Upton County, Texas
API # 42-461-42156

Enclosed, please find the original and one copy of the survey performed on the referenced well by INTREPID MWD TECH., a division of INTREPID DIRECTIONAL DRILLING SPECIALIST. Other information required by your office is as follows:

<u>Name & Title of Surveyor</u>	<u>Start Depth</u>	<u>End Depth</u>	<u>Start Date</u>	<u>End Date</u>	<u>Type of Survey</u>
Robbie Tremblay	190	18980	03/15/23	04/02/23	MWD/ D&I & Gamma
	PTB:	19170			

The bottom hole orientation/coordinates related 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.

Sincerely,

Allan Abraham

Allan Abraham
Well Planner



Rockport Energy Solutions, LLC

Upton County, TX

University Land Survey SEC 09, Block 04

UNIVERSITY D 9-16 #4H

OWB

Design: AWB

Standard Survey Report

18 April, 2023



Company:	Rockport Energy Solutions, LLC	Local Co-ordinate Reference:	Well UNIVERSITY D 9-16 #4H
Project:	Upton County, TX	TVD Reference:	KB 26.5Ft + GL 2730Ft @ 2756.5usft
Site:	University Land Survey SEC 09, Block 04	MD Reference:	KB 26.5Ft + GL 2730Ft @ 2756.5usft
Well:	UNIVERSITY D 9-16 #4H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Project	Upton County, TX		
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 Land Survey SEC 09, Block 04				
Site Position:		Northing:	560,694.95 usft	Latitude:	31° 11' 59.371 N
From:	Map	Easting:	1,535,060.44 usft	Longitude:	101° 49' 13.699 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-0.77 °

Well	UNIVERSITY D 9-16 #4H					
Well Position	+N-S	0.0 usft	Northing:	561,017.03 usft	Latitude:	31° 12' 2.913 N
	+E-W	0.0 usft	Easting:	1,537,749.87 usft	Longitude:	101° 48' 42.783 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	2,730.0 usft	Ground Level:	2,730.0 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	02/03/23	5.73	59.36	47,015.28147367

Design	AWB				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)	
	0.0	0.0	0.0	185.76	

Survey Program	Date	04/18/23			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
190.0	19,170.0	MWD Surf (OWB)	MWD+HRGM	OWSG MWD + HRGM	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
190.0	0.88	342.41	190.0	1.4	-0.4	-1.3	0.46	0.46	0.00	
313.0	0.84	309.27	313.0	2.9	-1.4	-2.7	0.40	-0.03	-26.94	
496.0	0.97	332.56	496.0	5.1	-3.2	-4.7	0.21	0.07	12.73	
652.0	0.79	309.01	651.9	6.9	-4.6	-6.4	0.26	-0.12	-15.10	
826.0	0.53	206.35	825.9	7.0	-5.9	-6.3	0.60	-0.15	-59.00	
1,006.0	1.05	232.63	1,005.9	5.2	-7.6	-4.4	0.34	0.29	14.60	
1,185.0	7.47	312.96	1,184.4	12.2	-17.4	-10.4	4.12	3.59	44.88	
1,365.0	10.99	298.37	1,362.1	28.3	-41.1	-24.0	2.33	1.96	-8.11	
1,554.0	12.62	306.72	1,547.1	49.2	-73.5	-41.6	1.25	0.86	4.42	

Company:	Rockport Energy Solutions, LLC	Local Co-ordinate Reference:	Well UNIVERSITY D 9-16 #4H
Project:	Upton County, TX	TVD Reference:	KB 26.5Ft + GL 2730Ft @ 2756.5usft
Site:	University Land Survey SEC 09, Block 04	MD Reference:	KB 26.5Ft + GL 2730Ft @ 2756.5usft
Well:	UNIVERSITY D 9-16 #4H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 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)
1,742.0	13.93	315.69	1,730.1	77.7	-105.8	-66.7	1.30	0.70	4.77
1,930.0	14.11	315.43	1,912.5	110.2	-137.7	-95.8	0.10	0.10	-0.14
2,117.0	13.49	318.50	2,094.1	142.8	-168.1	-125.2	0.51	-0.33	1.64
2,306.0	12.31	318.50	2,278.3	174.4	-196.1	-153.8	0.62	-0.62	0.00
2,495.0	11.47	317.80	2,463.2	203.4	-222.0	-180.1	0.45	-0.44	-0.37
2,684.0	10.81	313.49	2,648.7	229.5	-247.5	-203.5	0.56	-0.35	-2.28
2,871.0	10.11	312.44	2,832.6	252.7	-272.4	-224.1	0.39	-0.37	-0.56
3,059.0	12.92	306.64	3,016.8	276.3	-301.4	-244.7	1.61	1.49	-3.09
3,247.0	12.35	304.53	3,200.2	300.3	-334.8	-265.2	0.39	-0.30	-1.12
3,437.0	12.04	302.59	3,385.9	322.5	-368.3	-283.9	0.27	-0.16	-1.02
3,626.0	11.38	299.52	3,571.0	342.3	-401.1	-300.3	0.48	-0.35	-1.62
3,814.0	10.55	298.55	3,755.6	359.6	-432.4	-314.4	0.45	-0.44	-0.52
4,002.0	13.98	306.81	3,939.3	381.5	-465.7	-332.8	2.04	1.82	4.39
4,191.0	14.33	304.35	4,122.5	408.4	-503.3	-355.8	0.37	0.19	-1.30
4,381.0	14.64	315.60	4,306.5	438.8	-539.5	-382.4	1.49	0.16	5.92
4,570.0	14.24	311.12	4,489.5	471.1	-573.7	-411.2	0.63	-0.21	-2.37
4,760.0	14.24	308.92	4,673.7	501.2	-609.5	-437.5	0.28	0.00	-1.16
4,948.0	12.22	324.21	4,856.8	531.9	-639.1	-465.1	2.14	-1.07	8.13
5,138.0	9.63	320.87	5,043.3	560.5	-660.9	-491.4	1.40	-1.36	-1.76
5,325.0	9.76	312.96	5,227.6	583.4	-682.4	-512.0	0.72	0.07	-4.23
5,513.0	8.75	313.49	5,413.2	604.1	-704.4	-530.4	0.54	-0.54	0.28
5,701.0	10.46	312.53	5,598.6	625.5	-727.4	-549.4	0.91	0.91	-0.51
5,888.0	7.69	308.31	5,783.2	644.8	-749.7	-566.3	1.52	-1.48	-2.26
6,075.0	7.30	300.57	5,968.6	658.6	-769.8	-578.0	0.58	-0.21	-4.14
6,265.0	5.80	313.05	6,157.4	671.3	-787.2	-588.9	1.08	-0.79	6.57
6,454.0	3.21	318.68	6,345.8	681.7	-797.7	-598.3	1.39	-1.37	2.98
6,640.0	2.11	318.59	6,531.6	688.2	-803.4	-604.2	0.59	-0.59	-0.05
6,829.0	1.71	300.22	6,720.5	692.3	-808.1	-607.7	0.38	-0.21	-9.72
7,017.0	1.63	274.47	6,908.4	693.9	-813.2	-608.8	0.40	-0.04	-13.70
7,206.0	0.66	172.43	7,097.4	693.0	-815.7	-607.7	1.00	-0.51	-53.99
7,396.0	1.36	181.66	7,287.3	689.7	-815.6	-604.4	0.38	0.37	4.86
7,586.0	1.27	134.20	7,477.3	685.9	-814.2	-600.8	0.56	-0.05	-24.98
7,773.0	1.27	129.10	7,664.2	683.2	-811.1	-598.4	0.06	0.00	-2.73
7,902.0	1.23	125.32	7,793.2	681.5	-808.9	-596.9	0.07	-0.03	-2.93
8,003.0	1.41	110.11	7,894.2	680.4	-806.8	-596.1	0.39	0.18	-15.06
8,097.0	7.56	178.93	7,987.9	673.8	-805.6	-589.6	7.63	6.54	73.21
8,191.0	24.09	187.37	8,078.0	648.5	-808.0	-564.1	17.71	17.59	8.98
8,286.0	32.88	181.92	8,161.4	603.4	-811.3	-518.9	9.64	9.25	-5.74
8,379.0	41.10	175.77	8,235.7	547.5	-809.9	-463.5	9.68	8.84	-6.61
8,473.0	50.81	177.44	8,301.0	480.2	-806.0	-396.9	10.41	10.33	1.78
8,567.0	59.96	185.00	8,354.4	403.0	-807.9	-319.9	11.76	9.73	8.04
8,662.0	70.33	187.02	8,394.2	317.4	-817.0	-233.8	11.08	10.92	2.13
8,694.1	73.02	185.70	8,404.3	287.1	-820.4	-203.4	9.26	8.39	-4.13

FTP @ 100'FNL & 2104.9'FEL

Company:	Rockport Energy Solutions, LLC	Local Co-ordinate Reference:	Well UNIVERSITY D 9-16 #4H
Project:	Upton County, TX	TVD Reference:	KB 26.5Ft + GL 2730Ft @ 2756.5usft
Site:	University Land Survey SEC 09, Block 04	MD Reference:	KB 26.5Ft + GL 2730Ft @ 2756.5usft
Well:	UNIVERSITY D 9-16 #4H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 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)	
8,756.0	78.24	183.24	8,419.7	227.4	-825.0	-143.5	9.26	8.43	-3.97	
8,829.0	87.65	182.62	8,428.6	155.1	-828.7	-71.2	12.92	12.89	-0.85	
8,923.0	88.57	180.60	8,431.7	61.2	-831.4	22.5	2.36	0.98	-2.15	
9,016.0	89.71	180.51	8,433.1	-31.8	-832.3	115.1	1.23	1.23	-0.10	
9,110.0	90.81	179.55	8,432.7	-125.8	-832.3	208.7	1.55	1.17	-1.02	
9,204.0	92.62	179.28	8,429.9	-219.7	-831.4	302.0	1.95	1.93	-0.29	
9,298.0	91.43	180.07	8,426.6	-313.7	-830.8	395.4	1.52	-1.27	0.84	
9,392.0	89.98	181.48	8,425.4	-407.7	-832.1	489.1	2.15	-1.54	1.50	
9,486.0	88.04	182.97	8,427.0	-501.6	-835.7	582.9	2.60	-2.06	1.59	
9,580.0	88.53	182.71	8,429.9	-595.4	-840.4	676.7	0.59	0.52	-0.28	
9,674.0	89.76	183.06	8,431.3	-689.3	-845.1	770.6	1.36	1.31	0.37	
9,768.0	89.80	181.74	8,431.6	-783.2	-849.1	864.4	1.40	0.04	-1.40	
9,863.0	90.02	180.60	8,431.8	-878.2	-851.0	959.1	1.22	0.23	-1.20	
9,958.0	87.91	180.07	8,433.5	-973.1	-851.6	1,053.7	2.29	-2.22	-0.56	
10,053.0	88.04	179.99	8,436.8	-1,068.1	-851.6	1,148.1	0.16	0.14	-0.08	
10,148.0	89.36	180.16	8,439.0	-1,163.1	-851.7	1,242.6	1.40	1.39	0.18	
10,241.0	90.15	180.43	8,439.4	-1,256.1	-852.2	1,335.2	0.90	0.85	0.29	
10,336.0	92.00	179.99	8,437.6	-1,351.0	-852.6	1,429.7	2.00	1.95	-0.46	
10,430.0	91.56	178.84	8,434.7	-1,445.0	-851.6	1,523.1	1.31	-0.47	-1.22	
10,524.0	92.04	177.00	8,431.7	-1,538.9	-848.2	1,616.2	2.02	0.51	-1.96	
10,619.0	89.80	177.96	8,430.2	-1,633.8	-844.0	1,710.2	2.57	-2.36	1.01	
10,712.0	89.98	180.07	8,430.4	-1,726.7	-842.4	1,802.5	2.28	0.19	2.27	
10,805.0	91.25	180.51	8,429.4	-1,819.7	-842.9	1,895.1	1.45	1.37	0.47	
10,900.0	92.31	180.07	8,426.4	-1,914.7	-843.4	1,989.6	1.21	1.12	-0.46	
10,993.0	90.68	180.51	8,424.0	-2,007.6	-843.8	2,082.2	1.82	-1.75	0.47	
11,087.0	91.43	180.25	8,422.3	-2,101.6	-844.5	2,175.7	0.84	0.80	-0.28	
11,181.0	90.81	181.57	8,420.5	-2,195.6	-846.0	2,269.4	1.55	-0.66	1.40	
11,271.0	89.19	181.66	8,420.5	-2,285.6	-848.5	2,359.1	1.80	-1.80	0.10	
11,361.0	89.67	181.66	8,421.3	-2,375.5	-851.1	2,448.9	0.53	0.53	0.00	
11,450.0	89.67	180.34	8,421.9	-2,464.5	-852.6	2,537.6	1.48	0.00	-1.48	
11,540.0	90.59	181.30	8,421.7	-2,554.5	-853.9	2,627.3	1.48	1.02	1.07	
11,630.0	92.62	181.74	8,419.1	-2,644.4	-856.3	2,717.0	2.31	2.26	0.49	
11,720.0	92.88	182.89	8,414.8	-2,734.2	-860.0	2,806.7	1.31	0.29	1.28	
11,810.0	89.89	183.85	8,412.6	-2,824.0	-865.2	2,896.6	3.49	-3.32	1.07	
11,900.0	90.37	183.24	8,412.4	-2,913.9	-870.8	2,986.5	0.86	0.53	-0.68	
11,989.0	88.75	182.01	8,413.1	-3,002.8	-874.9	3,075.4	2.29	-1.82	-1.38	
12,079.0	89.80	182.18	8,414.3	-3,092.7	-878.2	3,165.2	1.18	1.17	0.19	
12,174.0	90.42	181.22	8,414.1	-3,187.7	-881.0	3,260.0	1.20	0.65	-1.01	
12,269.0	88.75	180.16	8,414.8	-3,282.6	-882.1	3,354.6	2.08	-1.76	-1.12	
12,363.0	89.76	179.99	8,416.0	-3,376.6	-882.3	3,448.1	1.09	1.07	-0.18	
12,457.0	91.69	180.34	8,414.8	-3,470.6	-882.5	3,541.6	2.09	2.05	0.37	
12,552.0	89.93	181.83	8,413.5	-3,565.6	-884.3	3,636.3	2.43	-1.85	1.57	
12,646.0	91.21	182.97	8,412.5	-3,659.5	-888.3	3,730.1	1.82	1.36	1.21	

Company:	Rockport Energy Solutions, LLC	Local Co-ordinate Reference:	Well UNIVERSITY D 9-16 #4H
Project:	Upton County, TX	TVD Reference:	KB 26.5Ft + GL 2730Ft @ 2756.5usft
Site:	University Land Survey SEC 09, Block 04	MD Reference:	KB 26.5Ft + GL 2730Ft @ 2756.5usft
Well:	UNIVERSITY D 9-16 #4H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 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)	
12,741.0	92.26	182.71	8,409.6	-3,754.3	-893.0	3,825.0	1.14	1.11	-0.27	
12,836.0	91.08	181.22	8,406.9	-3,849.2	-896.2	3,919.7	2.00	-1.24	-1.57	
12,930.0	92.44	181.13	8,404.0	-3,943.2	-898.1	4,013.4	1.45	1.45	-0.10	
13,024.0	92.40	181.04	8,400.0	-4,037.1	-899.9	4,107.0	0.10	-0.04	-0.10	
13,118.0	92.79	181.30	8,395.8	-4,130.9	-901.8	4,200.6	0.50	0.41	0.28	
13,213.0	90.59	183.33	8,393.0	-4,225.8	-905.7	4,295.4	3.15	-2.32	2.14	
13,307.0	91.08	183.59	8,391.6	-4,319.6	-911.4	4,389.3	0.59	0.52	0.28	
13,402.0	89.80	183.77	8,390.9	-4,414.4	-917.5	4,484.2	1.36	-1.35	0.19	
13,496.0	88.18	182.36	8,392.5	-4,508.3	-922.5	4,578.1	2.28	-1.72	-1.50	
13,590.0	90.64	182.45	8,393.5	-4,602.2	-926.4	4,671.9	2.62	2.62	0.10	
13,684.0	89.98	181.66	8,393.0	-4,696.1	-929.8	4,765.7	1.10	-0.70	-0.84	
13,779.0	90.64	181.57	8,392.5	-4,791.1	-932.5	4,860.5	0.70	0.69	-0.09	
13,873.0	90.51	179.20	8,391.5	-4,885.1	-933.1	4,954.0	2.52	-0.14	-2.52	
13,967.0	93.05	179.72	8,388.6	-4,979.0	-932.2	5,047.4	2.76	2.70	0.55	
14,062.0	93.32	179.90	8,383.3	-5,073.9	-931.9	5,141.8	0.34	0.28	0.19	
14,157.0	90.55	180.51	8,380.1	-5,168.8	-932.2	5,236.2	2.99	-2.92	0.64	
14,250.0	88.70	181.30	8,380.7	-5,261.8	-933.7	5,328.9	2.16	-1.99	0.85	
14,345.0	88.18	182.45	8,383.3	-5,356.7	-936.8	5,423.7	1.33	-0.55	1.21	
14,440.0	88.18	182.18	8,386.3	-5,451.6	-940.7	5,518.4	0.28	0.00	-0.28	
14,535.0	89.19	181.22	8,388.5	-5,546.5	-943.5	5,613.2	1.47	1.06	-1.01	
14,629.0	90.77	180.78	8,388.5	-5,640.5	-945.1	5,706.8	1.74	1.68	-0.47	
14,722.0	90.95	179.02	8,387.1	-5,733.5	-944.9	5,799.3	1.90	0.19	-1.89	
14,817.0	90.68	176.82	8,385.8	-5,828.4	-941.5	5,893.4	2.33	-0.28	-2.32	
14,911.0	93.10	180.25	8,382.7	-5,922.3	-939.1	5,986.6	4.46	2.57	3.65	
15,005.0	89.80	179.02	8,380.3	-6,016.2	-938.5	6,080.0	3.75	-3.51	-1.31	
15,099.0	90.42	177.44	8,380.1	-6,110.2	-935.6	6,173.2	1.81	0.66	-1.68	
15,194.0	90.33	178.84	8,379.5	-6,205.1	-932.5	6,267.4	1.48	-0.09	1.47	
15,288.0	88.70	179.63	8,380.3	-6,299.1	-931.3	6,360.8	1.93	-1.73	0.84	
15,382.0	87.16	179.28	8,383.7	-6,393.1	-930.4	6,454.1	1.68	-1.64	-0.37	
15,478.0	90.07	179.81	8,386.0	-6,489.0	-929.6	6,549.5	3.08	3.03	0.55	
15,572.0	92.18	179.37	8,384.2	-6,583.0	-928.9	6,643.0	2.29	2.24	-0.47	
15,667.0	91.78	178.40	8,380.9	-6,677.9	-927.1	6,737.2	1.10	-0.42	-1.02	
15,761.0	91.03	178.58	8,378.6	-6,771.8	-924.6	6,830.4	0.82	-0.80	0.19	
15,857.0	91.43	179.81	8,376.5	-6,867.8	-923.3	6,925.8	1.35	0.42	1.28	
15,951.0	89.45	182.62	8,375.8	-6,961.8	-925.2	7,019.5	3.66	-2.11	2.99	
16,046.0	88.88	183.41	8,377.2	-7,056.6	-930.2	7,114.4	1.03	-0.60	0.83	
16,139.0	89.58	182.53	8,378.4	-7,149.5	-935.1	7,207.2	1.21	0.75	-0.95	
16,234.0	90.95	182.36	8,378.0	-7,244.4	-939.1	7,302.1	1.45	1.44	-0.18	
16,328.0	88.57	178.93	8,378.4	-7,338.4	-940.2	7,395.7	4.44	-2.53	-3.65	
16,421.0	92.70	179.63	8,377.4	-7,431.3	-939.0	7,488.1	4.50	4.44	0.75	
16,515.0	93.14	180.95	8,372.6	-7,525.2	-939.5	7,581.5	1.48	0.47	1.40	
16,609.0	92.79	184.38	8,367.7	-7,619.0	-943.8	7,675.2	3.66	-0.37	3.65	
16,704.0	91.78	184.12	8,363.9	-7,713.6	-950.9	7,770.1	1.10	-1.06	-0.27	
16,798.0	91.87	182.62	8,360.9	-7,807.4	-956.4	7,864.0	1.60	0.10	-1.60	

Company:	Rockport Energy Solutions, LLC	Local Co-ordinate Reference:	Well UNIVERSITY D 9-16 #4H
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Site:	University Land Survey SEC 09, Block 04	MD Reference:	KB 26.5Ft + GL 2730Ft @ 2756.5usft
Well:	UNIVERSITY D 9-16 #4H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 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)
16,891.0	90.99	182.80	8,358.6	-7,900.3	-960.8	7,956.8	0.97	-0.95	0.19
16,986.0	91.21	182.27	8,356.8	-7,995.2	-965.0	8,051.7	0.60	0.23	-0.56
17,080.0	90.20	182.62	8,355.6	-8,089.1	-969.0	8,145.5	1.14	-1.07	0.37
17,174.0	91.52	182.01	8,354.2	-8,183.0	-972.8	8,239.3	1.55	1.40	-0.65
17,269.0	88.92	181.22	8,353.9	-8,278.0	-975.5	8,334.1	2.86	-2.74	-0.83
17,363.0	90.37	181.04	8,354.4	-8,371.9	-977.3	8,427.7	1.55	1.54	-0.19
17,457.0	88.44	179.02	8,355.4	-8,465.9	-977.4	8,521.3	2.97	-2.05	-2.15
17,552.0	89.63	179.81	8,357.0	-8,560.9	-976.4	8,615.7	1.50	1.25	0.83
17,645.0	91.96	180.07	8,355.7	-8,653.9	-976.3	8,708.2	2.52	2.51	0.28
17,739.0	92.53	179.90	8,352.0	-8,747.8	-976.3	8,801.6	0.63	0.61	-0.18
17,834.0	91.25	181.39	8,348.9	-8,842.7	-977.4	8,896.2	2.07	-1.35	1.57
17,928.0	90.99	183.15	8,347.1	-8,936.7	-981.1	8,990.0	1.89	-0.28	1.87
18,024.0	90.37	184.20	8,345.9	-9,032.4	-987.2	9,085.9	1.27	-0.65	1.09
18,118.0	90.33	184.82	8,345.4	-9,126.2	-994.6	9,179.9	0.66	-0.04	0.66
18,212.0	92.35	185.00	8,343.2	-9,219.8	-1,002.7	9,273.9	2.16	2.15	0.19
18,307.0	92.62	183.59	8,339.0	-9,314.4	-1,009.8	9,368.7	1.51	0.28	-1.48
18,401.0	91.08	183.59	8,336.0	-9,408.2	-1,015.7	9,462.6	1.64	-1.64	0.00
18,496.0	89.98	181.83	8,335.1	-9,503.1	-1,020.2	9,557.5	2.18	-1.16	-1.85
18,590.0	90.46	181.39	8,334.8	-9,597.0	-1,022.8	9,651.2	0.69	0.51	-0.47
18,686.0	89.98	181.39	8,334.4	-9,693.0	-1,025.1	9,746.9	0.50	-0.50	0.00
18,780.0	88.88	181.30	8,335.3	-9,787.0	-1,027.3	9,840.7	1.17	-1.17	-0.10
18,855.0	89.71	180.25	8,336.3	-9,862.0	-1,028.3	9,915.4	1.78	1.11	-1.40
18,980.0	91.69	179.55	8,334.7	-9,986.9	-1,028.1	10,039.7	1.68	1.58	-0.56
LAST SVY									
19,105.8	91.69	179.55	8,331.0	-10,112.7	-1,027.1	10,164.7	0.00	0.00	0.00
LTP @ 19105.8'MD, 100'FSL & 2097.5'FEL									
19,170.0	91.69	179.55	8,329.1	-10,176.8	-1,026.6	10,228.5	0.00	0.00	0.00
Projection to TD @ 19170'MD, 35.9'FSL & 2095.6'FEL									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N-S (usft)	+E-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
LTP/PBHL (UNIVERSITY D 9-16 #4H)	-0.55	181.18	8,322.4	-10,112.9	-1,019.6	550,904.16	1,536,730.22	31° 10' 22.689 N	101° 48' 52.972 W
- actual wellpath misses target center by 11.4usft at 19105.8usft MD (8331.0 TVD, -10112.7 N, -1027.1 E)									
- Rectangle (sides W60.0 H10,410.0 D20.0)									
FTP (UNIVERSITY D 9-16 #4H)	0.00	360.00	8,420.0	286.8	-805.4	561,303.80	1,536,944.43	31° 12' 5.646 N	101° 48' 52.101 W
- actual wellpath misses target center by 21.4usft at 8697.2usft MD (8405.2 TVD, 284.2 N, -820.7 E)									
- Point									
PP (UNIVERSITY D 9-16 #4H)	0.00	360.00	8,420.0	696.7	-797.1	561,713.71	1,536,952.77	31° 12' 9.704 N	101° 48' 52.068 W
- actual wellpath misses target center by 235.0usft at 8400.7usft MD (8251.7 TVD, 533.0 N, -808.9 E)									
- Point									

Company:	Rockport Energy Solutions, LLC	Local Co-ordinate Reference:	Well UNIVERSITY D 9-16 #4H
Project:	Upton County, TX	TVD Reference:	KB 26.5Ft + GL 2730Ft @ 2756.5usft
Site:	University Land Survey SEC 09, Block 04	MD Reference:	KB 26.5Ft + GL 2730Ft @ 2756.5usft
Well:	UNIVERSITY D 9-16 #4H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,251.3	1,250.0	Top of Salt				
1,345.6	1,343.0	Rustler				
2,054.2	2,033.0	Yates				
2,071.7	2,050.0	Base of Salt				
3,420.7	3,370.0	Grayburg				
3,955.5	3,894.0	San Andres				
4,530.2	4,451.0	Glorietta				
5,774.5	5,671.0	Clearfork Transition				
6,147.9	6,041.0	Clearfork				
6,568.4	6,460.0	Upper Spraberry				
7,059.6	6,951.0	Middle Spraberry				
7,209.6	7,101.0	Jo-Mill				
7,465.7	7,357.0	Lower Spraberry				
7,845.8	7,737.0	Dean				
7,983.8	7,875.0	Wolfcamp A				
8,479.4	8,305.0	Wolfcamp B upper				

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
8,694.1	8,404.3	287.1	-820.4	FTP @ 100'FNL & 2104.9'FEL	
18,980.0	8,334.7	-9,986.9	-1,028.1	LAST SVY	
19,105.8	8,331.0	-10,112.7	-1,027.1	LTP @ 19105.8'MD, 100'FSL & 2097.5'FEL	
19,170.0	8,329.1	-10,176.8	-1,026.6	Projection to TD @ 19170'MD, 35.9'FSL & 2095.6'FEL	

Checked By: _____ Approved By: _____ Date: _____



State of Texas
County of
Upton

I, Robbie Tremblay certify that; I am employed by INTREPID DIRECTIONAL DRILLING SPECIALISTS, Ltd.; that I did conduct or supervise the taking of MWD surveys on the dates and depths below ; that the data is true, correct, complete and within the limitations of the tool as set forth by INTREPID MWD, a division of INTREPID DIRECTIONAL DRILLING, Ltd.; that I am authorized and qualified to make this report;that this survey was conducted at the request of Rockport Energy Solutions API# 42-461-42156 Upton County, Texas; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by INTREPID MWD. A division of INTREPID DIRECTIONAL DRILLING SPECIALISTS, Ltd.

<u>Start Depth</u>	<u>End Depth</u>	<u>Start Date</u>	<u>End Date</u>	<u>Type of Survey</u>
190	18980	03/15/23	04/02/23	MWD/ D&I & Gamma

Robbie Tremblay

Robbie Tremblay
MWD Engineer