

Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM
 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-53950
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator Permian Resources Operating, LLC		6. State Oil & Gas Lease No.
3. Address of Operator 300 N. Marienfeld St., Suite 1000 Midland, TX 79701		7. Lease Name or Unit Agreement Name Chieftain 18 State Com
4. Well Location Unit Letter <u>1</u> : <u>1189</u> feet from the <u>North</u> line and <u>257</u> feet from the <u>West</u> line Section <u>18</u> Township <u>21S</u> Range <u>26E</u> NMPM County <u>Eddy</u>		8. Well Number 601H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3275 GR		9. OGRID Number 372165
10. Pool name or Wildcat Avalon; Bone Spring 96381		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
DOWNHOLE COMMINGLE ☐	P AND A ☐
CLOSED-LOOP SYSTEM ☐	CASING/CEMENT JOB ☐
OTHER: ☐	OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Permian Resources respectfully requests to drill and complete this well in the Wolfcamp.

This well was permitted to the Bone Spring, we would like approval to drill and complete in Wolfcamp. Please see details below.

Permitted to TD 12,906, TVD 8027. These depths will remain the same.

Requesting to change to Wolfcamp pool: Avalon; Wolfcamp (Gas)

C-102 and directional survey is attached.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE K. Schlichting TITLE Regulatory Specialist DATE 11/18/24

Type or print name Kanicia Schlichting E-mail address: kanicia.schlichting@permianres.com PHONE: 432-400-0185

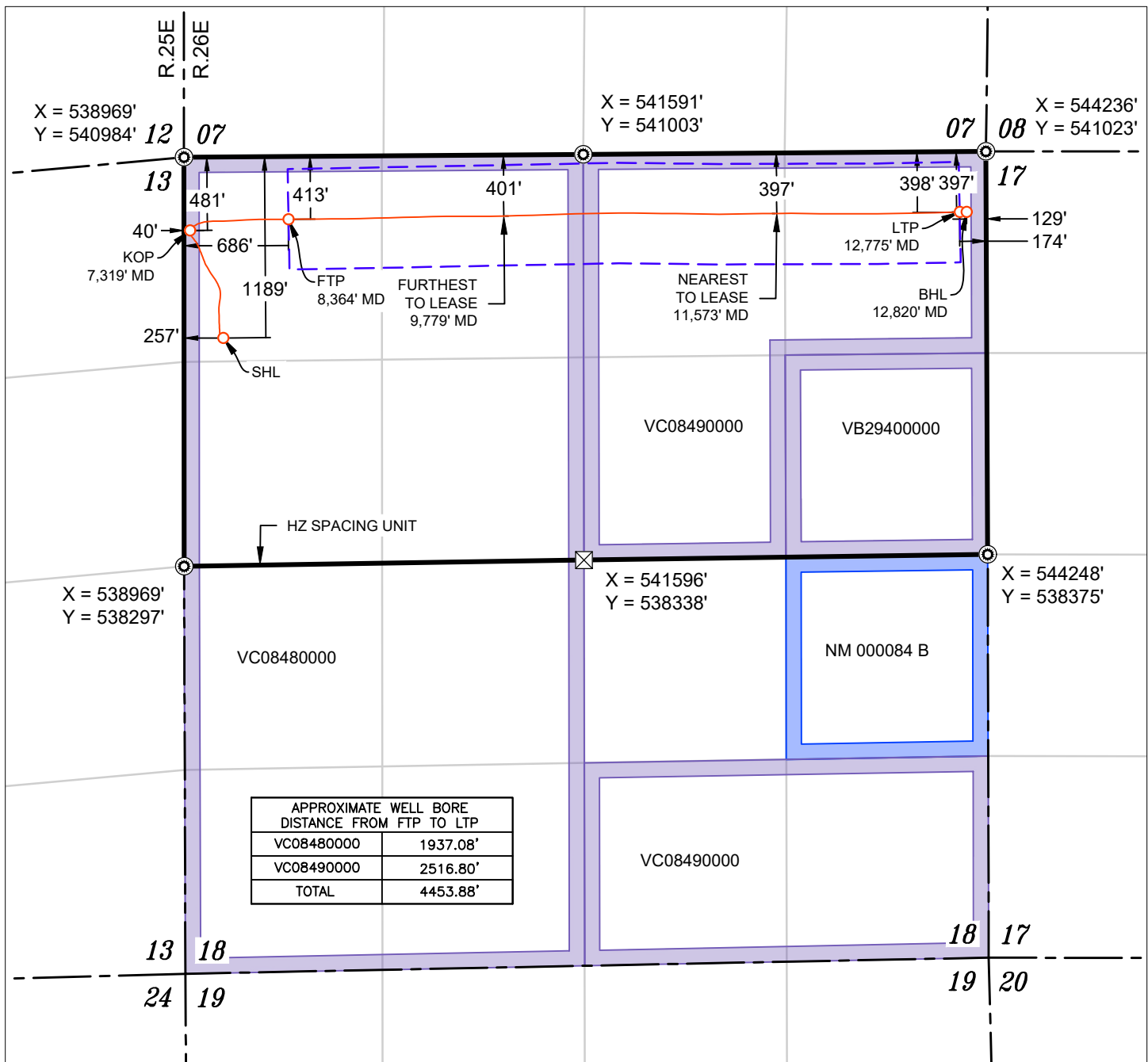
For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION		Revised July 9, 2024						
			Submittal Type:	☐ Initial Submittal ☐ Amended Report ☒ As Drilled					
WELL LOCATION INFORMATION									
API Number 30-015-53950		Pool Code 71120		Pool Name Avalon; Wolfcamp (Gas)					
Property Code 335917		Property Name CHIEFTAIN 18 STATE COM		Well Number #601H					
OGRID No. 372165		Operator Name PERMIAN RESOURCES OPERATING, LLC		Ground Level Elevation 3275'					
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal			Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal						
Surface Location									
UL	Section 18	Township 21 S	Range 26 E	Lot LOT 1	Ft. from N/S 1189' FNL	Ft. from E/W 257' FWL	Latitude 32.483964°	Longitude -104.340180°	County EDDY
Bottom Hole Location									
UL	Section A	Township 21 S	Range 26 E	Lot	Ft. from N/S 397' FNL	Ft. from E/W 129' FEL	Latitude 32.486239°	Longitude -104.324346°	County EDDY
Dedicated Acres 322.80		Infill or Defining Well Infill		Defining Well API 30-015-53948		Overlapping Spacing Unit (Y/N) N		Consolidation Code C	
Order Numbers. Pending					Well setbacks are under Common Ownership: ☒ Yes ☐ No				
Kick Off Point (KOP)									
UL	Section 18	Township 21 S	Range 26 E	Lot LOT 1	Ft. from N/S 481' FNL	Ft. from E/W 40' FWL	Latitude 32.485906°	Longitude -104.340885°	County EDDY
First Take Point (FTP)									
UL	Section 18	Township 21 S	Range 26 E	Lot LOT 1	Ft. from N/S 413' FNL	Ft. from E/W 686' FWL	Latitude 32.486107°	Longitude -104.338789°	County EDDY
Last Take Point (LTP)									
UL	Section A	Township 21 S	Range 26 E	Lot	Ft. from N/S 398' FNL	Ft. from E/W 174' FEL	Latitude 32.486237°	Longitude -104.324492°	County EDDY
Unitized Area or Area of Uniform Interest					Spacing Unit Type ☒ Horizontal ☐ Vertical		Ground Floor Elevation: 3302'		
OPERATOR CERTIFICATIONS <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i>  11/18/24 Signature Date Kanicia Schlichting Printed Name kanicia.schlichting@permianres.com Email Address					SURVEYOR CERTIFICATIONS <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>   Signature and Seal of Professional Surveyor 23203 NOVEMBER 18, 2024 Certificate Number Date of Survey				

Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



WELL NAME: CHIEFTAIN 18 STATE COM #601H
ELEVATION: 3275'

NAD 83 (SHL) 1189' FNL & 257' FWL
LATITUDE = 32.483964°
LONGITUDE = -104.340180°
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32.483848°
LONGITUDE = -104.339669°
STATE PLANE NAD 83 (N.M. EAST)
N: 539796.92' E: 539226.34'
STATE PLANE NAD 27 (N.M. EAST)
N: 539737.00' E: 498046.38'

NAD 83 (KOP) 481' FNL & 40' FWL
LATITUDE = 32.485906°
LONGITUDE = -104.340885°
NAD 27 (KOP)
LATITUDE = 32.485790°
LONGITUDE = -104.340374°
STATE PLANE NAD 83 (N.M. EAST)
N: 540503.38' E: 539009.08'
STATE PLANE NAD 27 (N.M. EAST)
N: 540443.44' E: 497829.15'

NAD 83 (FTP) 413' FNL & 686' FWL
LATITUDE = 32.486107°
LONGITUDE = -104.338789°
NAD 27 (FTP)
LATITUDE = 32.485991°
LONGITUDE = -104.338278°
STATE PLANE NAD 83 (N.M. EAST)
N: 540576.61' E: 539655.44'
STATE PLANE NAD 27 (N.M. EAST)
N: 540516.66' E: 498475.49'

NAD 83 (LTP) 398' FNL & 174' FEL
LATITUDE = 32.486237°
LONGITUDE = -104.324492°
NAD 27 (LTP)
LATITUDE = 32.486121°
LONGITUDE = -104.323982°
STATE PLANE NAD 83 (N.M. EAST)
N: 540623.91' E: 544063.59'
STATE PLANE NAD 27 (N.M. EAST)
N: 540563.89' E: 502883.52'

NAD 83 (BHL) 397' FNL & 129' FEL
LATITUDE = 32.486239°
LONGITUDE = -104.324346°
NAD 27 (BHL)
LATITUDE = 32.486123°
LONGITUDE = -104.323836°
STATE PLANE NAD 83 (N.M. EAST)
N: 540624.76' E: 544108.59'
STATE PLANE NAD 27 (N.M. EAST)
N: 540564.73' E: 502928.52'

NOTES

1. ALL COORDINATES, BEARINGS, AND DISTANCES CONTAINED HEREIN ARE GRID, BASED UPON THE NEW MEXICO STATE PLANE COORDINATES SYSTEM, NORTH AMERICAN DATUM 83, NEW MEXICO EAST (3001).
2. THIS DOCUMENT IS BASED UPON AN ON THE GROUND SURVEY PERFORMED DURING NOVEMBER, 2024. CERTIFICATION OF THIS DOCUMENT IS ONLY TO THE LOCATION OF THIS EASEMENT IN RELATION TO RECORDED MONUMENT OF DEEDS PROVIDED BY THE CLIENT.
3. ELEVATIONS MSL, DERIVED FROM G.N.S.S. OBSERVATION AND DERIVED FROM SAID ON-THE-GROUND SURVEY.

⊙ FND. U.S.G.L.O. MON.
UNLESS OTHERWISE
NOTED

⊠ CALC. CORNER

○ SHL/ KOP/ FTP / PPP/ LTP / BHL

— 330' BUFFER

— HORIZONTAL SPACING UNIT

— STATE OIL & GAS LEASE

— BLM OIL & GAS LEASE

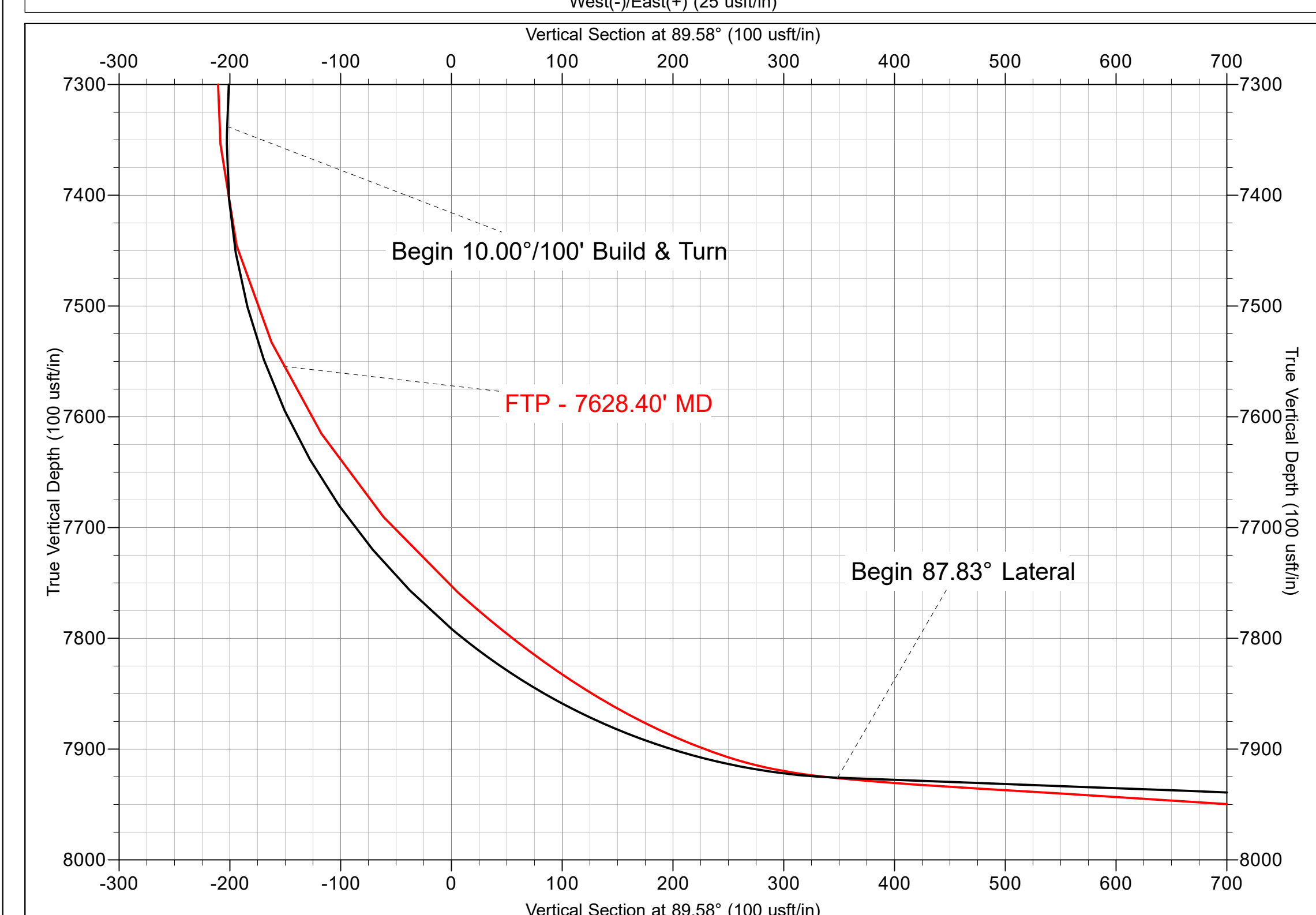
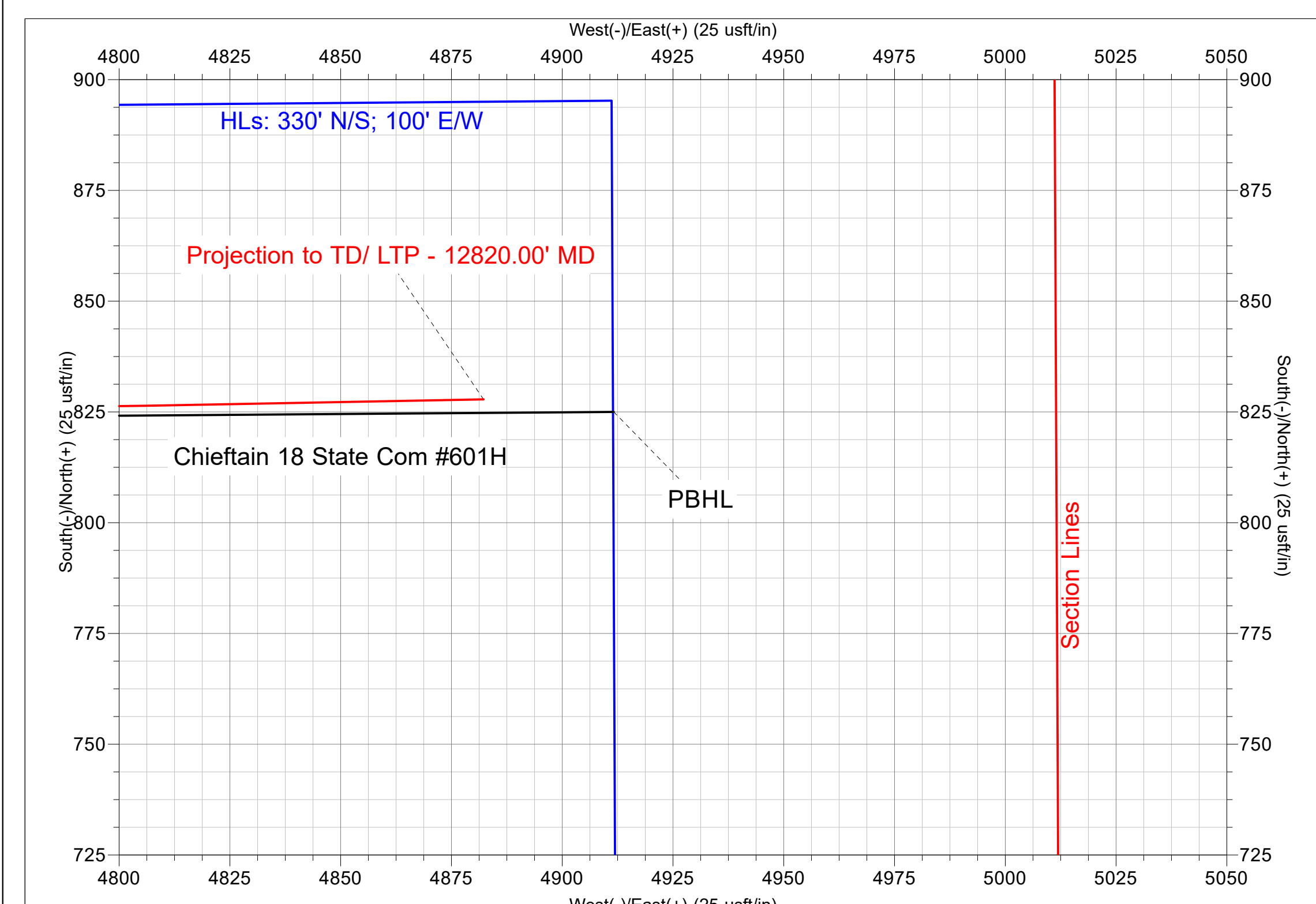
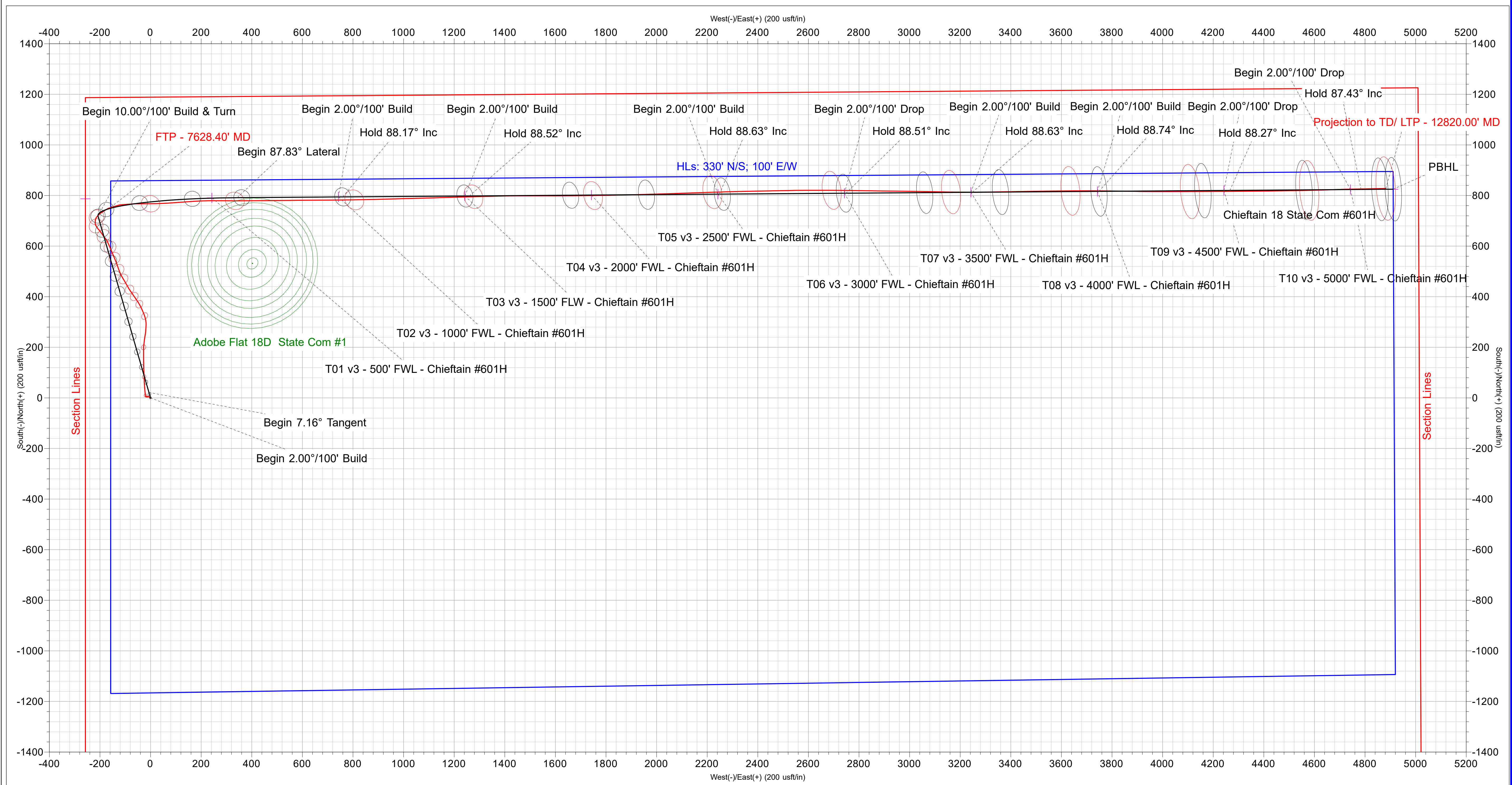
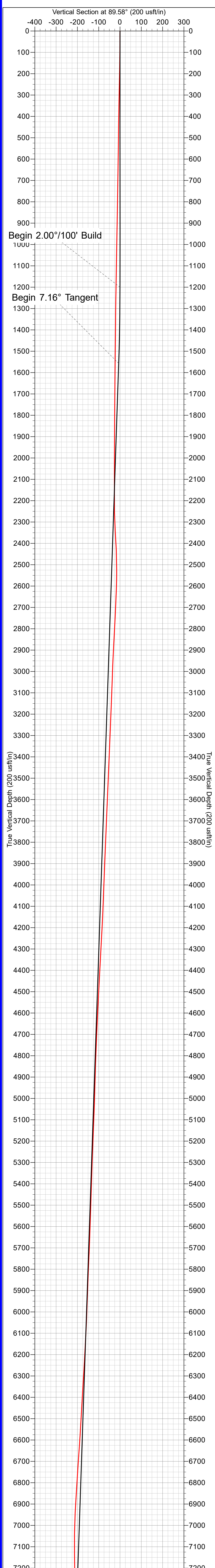


SCALE: 1" = 1000'



**TASCOSA ENERGY
PARTNERS, LLC**

Company: Tascosa Energy Partners
Site: Chieftain 18
Well: Chieftain 18 State Com #601H
Project: Eddy County, NM (NAD83) NMEZ Grid
Rig: Scan Texas



ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation	
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	Begin 2.00°/100' Build	
1557.98	7.16	343.90	1557.05	21.46	-6.20	-6.04	22.34	Begin 7.16° Tangent	
7384.33	7.16	343.90	7337.97	719.12	-207.61	-202.34	748.49	Begin 10.00°/100' Build & Turn	
8282.09	87.83	89.58	7925.85	791.64	342.96	348.75	1314.80	Begin 87.83° Lateral	
8682.09	87.83	89.58	7941.00	794.57	742.66	748.47	1714.51	Begin 2.00°/100' Build	
8699.25	88.17	89.58	7941.60	794.69	759.81	765.61	1731.66	Hold 88.17° Inc	
9182.36	88.17	89.58	7957.00	798.22	1242.66	1248.48	2214.53	Begin 2.00°/100' Build	
9199.53	88.52	89.58	7957.50	798.34	1259.83	1265.65	2231.69	Hold 88.52° Inc	
10182.72	88.51	89.58	7983.00	805.52	2242.66	2248.50	3214.55	Begin 2.00°/100' Build	
10188.48	88.63	89.58	7983.14	805.56	2248.41	2254.26	3220.31	Hold 88.63° Inc	
10682.88	88.63	89.58	7995.00	809.17	2742.66	2748.52	3714.57	Begin 2.00°/100' Drop	
10686.67	88.51	89.58	7995.14	809.21	2748.45	2754.31	3720.35	Hold 88.51° Inc	
11183.06	88.51	89.58	8008.00	812.82	3242.66	3248.53	4214.58	Begin 2.00°/100' Build	
11188.86	88.63	89.58	8008.14	812.86	3248.45	3254.33	4220.37	Hold 88.63° Inc	
11683.22	88.63	89.58	8020.00	816.47	3742.66	3748.54	4714.59	Begin 2.00°/100' Build	
11688.95	88.74	89.58	8020.13	816.51	3748.39	3754.27	4720.32	Hold 88.74° Inc	
12183.36	88.74	89.58	8031.00	820.12	4242.67	4248.56	5214.61	Begin 2.00°/100' Drop	
12206.84	88.27	89.58	8031.61	820.29	4266.14	4272.03	5238.08	Hold 88.27° Inc	
12683.59	88.27	89.58	8046.00	823.77	4742.66	4748.57	5714.62	Begin 2.00°/100' Drop	
12725.47	87.43	89.58	8047.57	824.07	4784.51	4790.42	5756.47	Hold 87.43° Inc	
12852.76	87.43	89.58	8053.27	825.00	4911.66	4917.58	5883.62	PBHL	

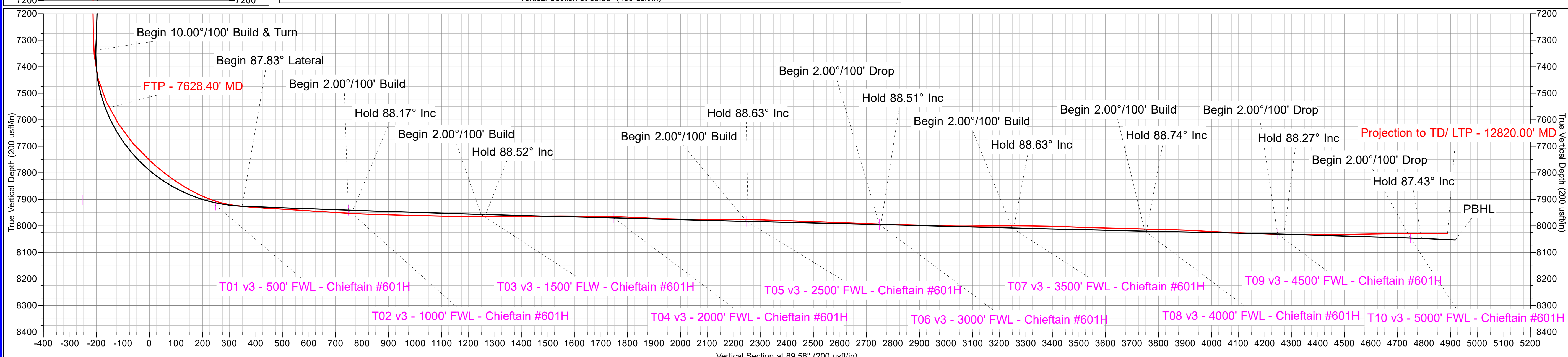
Grid North is 0.00° West of True North (Grid Convergence)
To convert a Magnetic Direction to a Grid Direction, Add 6.65°
To convert a Magnetic Direction to a True Direction, Add 6.65° East

Azimuths to Grid North
True North: 0.00°
Magnetic North: 6.65°

Magnetic Field
Strength: 47330.8nT
Dip Angle: 59.95°
Date: 10/1/2023
Model: IGRF2020

US State Plane 1983
New Mexico Eastern Zone

Created By: HLH
Date: 9:19, November 27 2023
Plan: Design #3





Tascosa Energy Partners

Eddy County, NM (NAD83) NMEZ Grid

Chieftain 18

Chieftain 18 State Com #601H

Wellbore #1

Design: Surveys

Standard Survey Report

27 November, 2023





Stryker Directional Survey Report



Company:	Tascosa Energy Partners	Local Co-ordinate Reference:	Well Chieftain 18 State Com #601H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	RKB @ 3302.00usft (Scan Texas)
Site:	Chieftain 18	MD Reference:	RKB @ 3302.00usft (Scan Texas)
Well:	Chieftain 18 State Com #601H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000 Server

Project	Eddy County, NM (NAD83) NMEZ Grid		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Chieftain 18		
Site Position:		Northing:	539,797.00 usft
From:	Lat/Long	Easting:	539,226.34 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.483964
		Longitude:	-104.340180
		Grid Convergence:	0.00 °

Well	Chieftain 18 State Com #601H		
Well Position	+N/-S	0.00 usft	Northing: 539,797.00 usft
	+E/-W	0.00 usft	Easting: 539,226.34 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32.483964
		Longitude:	-104.340180
		Ground Level:	3,275.00 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2020	10/1/2023	6.65
			Dip Angle (°)
			59.95
			Field Strength (nT)
			47,330.77671241

Design	Surveys		
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 (°)
			89.58

Survey Program	Date	11/27/2023		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
119.00	12,820.00	Stryker MWD (Wellbore #1)	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
119.00	0.84	315.85	119.00	0.63	-0.61	-0.60	0.71	0.71	0.00
147.00	1.05	289.66	146.99	0.86	-0.99	-0.99	1.69	0.75	-93.54
266.00	1.36	302.23	265.97	1.98	-3.21	-3.20	0.34	0.26	10.56
325.00	1.49	307.94	324.95	2.82	-4.41	-4.39	0.33	0.22	9.68
443.00	1.10	312.86	442.92	4.54	-6.45	-6.42	0.34	-0.33	4.17
472.00	0.84	318.49	471.91	4.89	-6.80	-6.76	0.95	-0.90	19.41
598.00	0.88	257.49	597.90	5.37	-8.35	-8.31	0.69	0.03	-48.41
689.00	0.97	269.71	688.89	5.21	-9.81	-9.77	0.24	0.10	13.43
780.00	0.97	271.29	779.88	5.23	-11.35	-11.31	0.03	0.00	1.74



Stryker Directional Survey Report



Company:	Tascosa Energy Partners	Local Co-ordinate Reference:	Well Chieftain 18 State Com #601H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	RKB @ 3302.00usft (Scan Texas)
Site:	Chieftain 18	MD Reference:	RKB @ 3302.00usft (Scan Texas)
Well:	Chieftain 18 State Com #601H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000 Server

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)	
870.00	0.97	266.37	869.86	5.20	-12.87	-12.83	0.09	0.00	-5.47	
960.00	1.05	251.16	959.85	4.88	-14.41	-14.37	0.31	0.09	-16.90	
1,051.00	1.01	254.94	1,050.84	4.40	-15.97	-15.94	0.09	-0.04	4.15	
1,141.00	1.01	258.11	1,140.82	4.03	-17.51	-17.48	0.06	0.00	3.52	
1,235.00	1.80	326.84	1,234.80	5.10	-19.13	-19.09	1.82	0.84	73.12	
1,330.00	4.70	352.59	1,329.64	10.21	-20.45	-20.38	3.34	3.05	27.11	
1,424.00	7.65	355.05	1,423.08	20.26	-21.49	-21.34	3.15	3.14	2.62	
1,519.00	8.75	355.32	1,517.11	33.77	-22.62	-22.37	1.16	1.16	0.28	
1,613.00	9.75	356.47	1,609.89	48.84	-23.70	-23.34	1.08	1.06	1.22	
1,708.00	10.62	357.02	1,703.39	65.61	-24.65	-24.16	0.92	0.92	0.58	
1,802.00	11.50	357.66	1,795.64	83.62	-25.48	-24.87	0.95	0.94	0.68	
1,897.00	12.59	358.00	1,888.55	103.43	-26.23	-25.47	1.15	1.15	0.36	
1,991.00	13.77	358.68	1,980.07	124.85	-26.84	-25.93	1.27	1.26	0.72	
2,086.00	14.93	359.36	2,072.11	148.40	-27.24	-26.15	1.23	1.22	0.72	
2,181.00	15.92	359.96	2,163.68	173.66	-27.39	-26.11	1.06	1.04	0.63	
2,274.00	16.97	0.15	2,252.88	199.99	-27.36	-25.89	1.13	1.13	0.20	
2,368.00	19.69	12.01	2,342.13	229.21	-24.03	-22.35	4.90	2.89	12.62	
2,463.00	19.25	5.68	2,431.71	260.45	-19.15	-17.24	2.27	-0.46	-6.66	
2,558.00	14.77	0.23	2,522.54	288.16	-17.55	-15.43	5.00	-4.72	-5.74	
2,652.00	10.77	348.37	2,614.21	308.76	-19.27	-17.01	5.07	-4.26	-12.62	
2,747.00	8.04	340.19	2,707.93	323.71	-23.31	-20.94	3.19	-2.87	-8.61	
2,842.00	7.69	337.91	2,802.03	335.85	-27.95	-25.49	0.49	-0.37	-2.40	
2,937.00	7.69	335.71	2,896.18	347.53	-32.96	-30.41	0.31	0.00	-2.32	
3,031.00	5.01	335.19	2,989.59	356.99	-37.27	-34.65	2.85	-2.85	-0.55	
3,125.00	4.53	331.67	3,083.27	363.98	-40.75	-38.08	0.60	-0.51	-3.74	
3,219.00	4.48	330.61	3,176.98	370.45	-44.32	-41.60	0.10	-0.05	-1.13	
3,314.00	4.40	327.89	3,271.69	376.77	-48.07	-45.31	0.24	-0.08	-2.86	
3,409.00	4.53	326.40	3,366.40	382.98	-52.09	-49.28	0.18	0.14	-1.57	
3,503.00	4.44	326.57	3,460.12	389.11	-56.14	-53.29	0.10	-0.10	0.18	
3,598.00	4.26	323.85	3,554.84	395.03	-60.25	-57.35	0.29	-0.19	-2.86	
3,693.00	4.26	324.46	3,649.58	400.75	-64.38	-61.45	0.05	0.00	0.64	
3,787.00	4.09	326.92	3,743.33	406.40	-68.24	-65.26	0.26	-0.18	2.62	
3,880.00	4.09	326.40	3,836.09	411.94	-71.89	-68.87	0.04	0.00	-0.56	
3,975.00	4.04	323.32	3,930.85	417.44	-75.76	-72.70	0.24	-0.05	-3.24	
4,070.00	3.87	325.43	4,025.63	422.77	-79.58	-76.48	0.24	-0.18	2.22	
4,164.00	4.31	326.92	4,119.39	428.34	-83.31	-80.17	0.48	0.47	1.59	
4,259.00	6.51	330.18	4,213.96	436.00	-87.94	-84.74	2.34	2.32	3.43	
4,354.00	6.29	331.05	4,308.37	445.23	-93.13	-89.87	0.25	-0.23	0.92	
4,449.00	6.07	329.47	4,402.82	454.11	-98.20	-94.87	0.29	-0.23	-1.66	
4,543.00	5.76	328.77	4,496.31	462.42	-103.17	-99.78	0.34	-0.33	-0.74	
4,638.00	5.49	329.21	4,590.86	470.40	-107.97	-104.52	0.29	-0.28	0.46	
4,732.00	5.05	330.61	4,684.46	477.87	-112.30	-108.80	0.49	-0.47	1.49	
4,827.00	4.79	332.64	4,779.11	485.04	-116.18	-112.62	0.33	-0.27	2.14	
4,921.00	4.44	337.12	4,872.81	491.88	-119.40	-115.79	0.53	-0.37	4.77	



Stryker Directional Survey Report



Company:	Tascosa Energy Partners	Local Co-ordinate Reference:	Well Chieftain 18 State Com #601H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	RKB @ 3302.00usft (Scan Texas)
Site:	Chieftain 18	MD Reference:	RKB @ 3302.00usft (Scan Texas)
Well:	Chieftain 18 State Com #601H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000 Server

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)
5,017.00	4.18	338.26	4,968.53	498.55	-122.14	-118.48	0.29	-0.27	1.19
5,111.00	6.55	339.49	5,062.12	506.75	-125.29	-121.57	2.52	2.52	1.31
5,205.00	6.81	340.90	5,155.48	517.04	-128.99	-125.19	0.33	0.28	1.50
5,300.00	6.33	340.81	5,249.85	527.31	-132.55	-128.68	0.51	-0.51	-0.09
5,395.00	5.67	339.14	5,344.33	536.64	-135.94	-132.01	0.72	-0.69	-1.76
5,489.00	5.27	338.00	5,437.90	544.98	-139.22	-135.22	0.44	-0.43	-1.21
5,584.00	4.70	336.77	5,532.54	552.61	-142.39	-138.33	0.61	-0.60	-1.29
5,678.00	4.18	334.83	5,626.26	559.24	-145.36	-141.26	0.58	-0.55	-2.06
5,773.00	6.95	338.35	5,720.80	567.72	-148.95	-144.79	2.94	2.92	3.71
5,867.00	6.55	338.17	5,814.15	577.98	-153.05	-148.81	0.43	-0.43	-0.19
5,962.00	5.63	338.09	5,908.62	587.34	-156.80	-152.49	0.97	-0.97	-0.08
6,057.00	4.92	335.62	6,003.21	595.37	-160.22	-155.85	0.78	-0.75	-2.60
6,151.00	7.16	335.36	6,096.69	604.37	-164.33	-159.89	2.38	2.38	-0.28
6,246.00	7.12	335.36	6,190.95	615.10	-169.25	-164.74	0.04	-0.04	0.00
6,340.00	6.51	328.15	6,284.29	624.92	-174.49	-169.91	1.12	-0.65	-7.67
6,434.00	5.67	320.68	6,377.76	633.04	-180.25	-175.60	1.23	-0.89	-7.95
6,529.00	4.75	320.77	6,472.36	639.72	-185.71	-181.01	0.97	-0.97	0.09
6,624.00	6.95	327.71	6,566.86	647.63	-191.27	-186.51	2.43	2.32	7.31
6,718.00	6.64	322.27	6,660.20	656.73	-197.63	-192.81	0.76	-0.33	-5.79
6,812.00	5.19	315.76	6,753.70	664.08	-203.92	-199.05	1.70	-1.54	-6.93
6,907.00	6.77	328.51	6,848.19	671.93	-209.85	-204.91	2.16	1.66	13.42
7,000.00	5.58	324.29	6,940.65	680.28	-215.35	-210.36	1.37	-1.28	-4.54
7,095.00	5.63	355.40	7,035.21	688.68	-218.42	-213.36	3.16	0.05	32.75
7,189.00	4.97	3.05	7,128.81	697.34	-218.57	-213.45	1.03	-0.70	8.14
7,284.00	3.65	12.36	7,223.54	704.40	-217.71	-212.54	1.57	-1.39	9.80
7,319.00	3.25	12.27	7,258.48	706.46	-217.26	-212.07	1.14	-1.14	-0.26
7,415.00	7.21	29.77	7,354.06	714.35	-213.68	-208.44	4.40	4.13	18.23
7,509.00	18.77	49.36	7,445.54	729.38	-199.23	-193.87	12.99	12.30	20.84
7,604.00	27.52	63.87	7,532.88	749.05	-167.84	-162.34	10.93	9.21	15.27
7,628.40	28.58	68.61	7,554.42	753.66	-157.34	-151.81	10.11	4.33	19.44
FTP - 7628.40' MD									
7,699.00	32.44	80.48	7,615.29	762.96	-122.90	-117.30	10.11	5.47	16.81
7,793.00	41.27	89.79	7,690.48	767.26	-66.88	-61.25	11.09	9.39	9.90
7,888.00	47.91	89.44	7,758.10	767.72	-0.22	5.40	6.99	6.99	-0.37
7,982.00	53.89	86.54	7,817.36	770.36	72.63	78.27	6.80	6.36	-3.09
8,077.00	61.63	85.49	7,868.01	775.97	152.72	158.41	8.20	8.15	-1.11
8,171.00	71.16	89.53	7,905.62	779.59	238.66	244.37	10.87	10.14	4.30
8,219.00	78.77	90.76	7,918.06	779.47	284.98	290.69	16.05	15.85	2.56
8,268.00	84.22	90.06	7,925.30	779.12	333.42	339.12	11.21	11.12	-1.43
8,363.00	86.42	89.27	7,933.05	779.68	428.10	433.80	2.46	2.32	-0.83
8,457.00	86.51	89.62	7,938.85	780.59	521.91	527.62	0.38	0.10	0.37
8,551.00	86.33	89.36	7,944.72	781.42	615.73	621.44	0.34	-0.19	-0.28
8,646.00	86.42	89.71	7,950.73	782.19	710.53	716.25	0.38	0.09	0.37



Stryker Directional Survey Report



Company:	Tascosa Energy Partners	Local Co-ordinate Reference:	Well Chieftain 18 State Com #601H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	RKB @ 3302.00usft (Scan Texas)
Site:	Chieftain 18	MD Reference:	RKB @ 3302.00usft (Scan Texas)
Well:	Chieftain 18 State Com #601H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000 Server

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)
8,741.00	87.78	89.09	7,955.53	783.18	805.40	811.12	1.57	1.43	-0.65
8,835.00	88.53	88.65	7,958.56	785.04	899.34	905.07	0.92	0.80	-0.47
8,930.00	88.70	88.39	7,960.86	787.49	994.28	1,000.02	0.33	0.18	-0.27
9,024.00	88.62	88.48	7,963.05	790.06	1,088.22	1,093.98	0.13	-0.09	0.10
9,118.00	88.70	88.30	7,965.25	792.70	1,182.15	1,187.93	0.21	0.09	-0.19
9,212.00	90.55	88.56	7,965.87	795.27	1,276.11	1,281.91	1.99	1.97	0.28
9,307.00	91.25	88.48	7,964.37	797.72	1,371.07	1,376.88	0.74	0.74	-0.08
9,402.00	90.20	89.88	7,963.17	799.08	1,466.05	1,471.86	1.84	-1.11	1.47
9,496.00	90.07	90.06	7,962.95	799.13	1,560.05	1,565.86	0.24	-0.14	0.19
9,590.00	89.23	89.71	7,963.53	799.32	1,654.04	1,659.86	0.97	-0.89	-0.37
9,685.00	88.35	89.44	7,965.53	800.03	1,749.02	1,754.84	0.97	-0.93	-0.28
9,779.00	86.90	88.74	7,969.43	801.52	1,842.92	1,848.75	1.71	-1.54	-0.74
9,874.00	88.31	88.21	7,973.40	804.04	1,937.80	1,943.64	1.59	1.48	-0.56
9,968.00	89.67	88.30	7,975.05	806.91	2,031.74	2,037.60	1.45	1.45	0.10
10,062.00	89.67	88.12	7,975.59	809.84	2,125.69	2,131.57	0.19	0.00	-0.19
10,157.00	89.54	88.04	7,976.25	813.02	2,220.64	2,226.54	0.16	-0.14	-0.08
10,252.00	88.40	88.56	7,977.96	815.84	2,315.58	2,321.50	1.32	-1.20	0.55
10,346.00	87.96	89.18	7,980.94	817.70	2,409.51	2,415.44	0.81	-0.47	0.66
10,440.00	87.87	88.56	7,984.36	819.55	2,503.43	2,509.37	0.67	-0.10	-0.66
10,535.00	87.78	89.97	7,987.97	820.77	2,598.35	2,604.30	1.49	-0.09	1.48
10,629.00	87.87	90.15	7,991.54	820.67	2,692.29	2,698.23	0.21	0.10	0.19
10,724.00	88.40	90.94	7,994.63	819.76	2,787.23	2,793.16	1.00	0.56	0.83
10,818.00	88.26	90.76	7,997.37	818.37	2,881.18	2,887.10	0.24	-0.15	-0.19
10,912.00	88.57	90.76	7,999.97	817.12	2,975.14	2,981.05	0.33	0.33	0.00
11,006.00	89.98	90.94	8,001.16	815.73	3,069.12	3,075.01	1.51	1.50	0.19
11,101.00	91.12	91.20	8,000.24	813.96	3,164.09	3,169.97	1.23	1.20	0.27
11,195.00	89.41	89.53	7,999.81	813.36	3,258.08	3,263.96	2.54	-1.82	-1.78
11,290.00	89.10	89.18	8,001.05	814.43	3,353.07	3,358.95	0.49	-0.33	-0.37
11,384.00	87.91	88.92	8,003.50	815.98	3,447.02	3,452.91	1.30	-1.27	-0.28
11,479.00	88.13	89.18	8,006.78	817.56	3,541.95	3,547.85	0.36	0.23	0.27
11,573.00	89.23	89.62	8,008.95	818.54	3,635.92	3,641.82	1.26	1.17	0.47
11,668.00	87.69	90.23	8,011.50	818.67	3,730.88	3,736.78	1.74	-1.62	0.64
11,763.00	88.97	91.20	8,014.27	817.48	3,825.83	3,831.72	1.69	1.35	1.02
11,857.00	87.16	90.41	8,017.44	816.16	3,919.76	3,925.64	2.10	-1.93	-0.84
11,952.00	86.81	90.06	8,022.44	815.77	4,014.63	4,020.50	0.52	-0.37	-0.37
12,046.00	87.52	89.79	8,027.09	815.90	4,108.52	4,114.39	0.81	0.76	-0.29
12,140.00	88.22	89.79	8,030.58	816.24	4,202.45	4,208.32	0.74	0.74	0.00
12,234.00	89.10	89.62	8,032.78	816.72	4,296.42	4,302.29	0.95	0.94	-0.18
12,329.00	89.85	89.44	8,033.65	817.50	4,391.41	4,397.29	0.81	0.79	-0.19
12,423.00	91.21	89.18	8,032.78	818.63	4,485.40	4,491.28	1.47	1.45	-0.28
12,517.00	90.78	88.65	8,031.15	820.41	4,579.37	4,585.26	0.73	-0.46	-0.56
12,612.00	91.12	87.77	8,029.57	823.38	4,674.31	4,680.22	0.99	0.36	-0.93
12,706.00	89.85	89.27	8,028.78	825.81	4,768.27	4,774.20	2.09	-1.35	1.60
12,744.00	90.15	88.92	8,028.78	826.41	4,806.26	4,812.19	1.21	0.79	-0.92



Stryker Directional Survey Report



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Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	RKB @ 3302.00usft (Scan Texas)
Site:	Chieftain 18	MD Reference:	RKB @ 3302.00usft (Scan Texas)
Well:	Chieftain 18 State Com #601H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000 Server

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)
12,820.00	90.15	88.92	8,028.58	827.84	4,882.25	4,888.19	0.00	0.00	0.00
Projection to TD/ LTP - 12820.00' MD									

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
7,628.40	7,554.42	753.66	-157.34	FTP - 7628.40' MD	
12,820.00	8,028.58	827.84	4,882.25	Projection to TD/ LTP - 12820.00' MD	

Checked By: _____ Approved By: _____ Date: _____

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 404425

CONDITIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 404425
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	None	6/2/2025