Submit 1 Copy To Appropriate District 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

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

Form C-103
Revised July 18, 2013

WELL API NO. 30-015-53950

5. Indicate Type of Lease STATE [x] FEE [ ]

6. State Oil & Gas Lease No.

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.)

7. Lease Name or Unit Agreement Name: Chieftain 18 State Com

1. Type of Well: Oil Well [ ] Gas Well [x] Other

8. Well Number: 601H

2. Name of Operator: Permian Resources Operating, LLC

9. OGRID Number: 372165

3. Address of Operator: 300 N. Marienfeld St., Suite 1000, Midland, TX 79701

10. Pool name or Wildcat: Avalon; Bone Spring 96381

4. Well Location
Unit Letter 1 : 1189 feet from the North line and 257 feet from the West line
Section 18 Township 21S Range 26E NMPM County Eddy

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*: 3275 GR

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	[ ]	PLUG AND ABANDON	[ ]	REMEDIAL WORK	[ ]	ALTERING CASING	[ ]
TEMPORARILY ABANDON	[ ]	CHANGE PLANS	[X]	COMMENCE DRILLING OPNS.	[ ]	P AND A	[ ]
PULL OR ALTER CASING	[ ]	MULTIPLE COMPL	[ ]	CASING/CEMENT JOB	[ ]		
DOWNHOLE COMMINGLE	[ ]						
CLOSED-LOOP SYSTEM	[ ]						
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.

This well was drilled and completed by Tascosa Energy. We are the new operator and we are submitting corrections to their paperwork.

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, drilling plan 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 [signature] TITLE Regulatory Specialist DATE 02/28/25

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	Pool Code	Pool Name
30-015-53950	71120	Avalon; Wolfcamp (Gas)

Property Code	Property Name	Well Number
335917	CHIEFTAIN 18 STATE COM	#601H

OGRID No.	Operator Name	Ground Level Elevation
372165	PERMIAN RESOURCES OPERATING, LLC	3275'

Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal
Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
	18	21 S	26 E	LOT 1	1189' FNL	257' FWL	32.483964°	-104.340180°	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	18	21 S	26 E		397' FNL	129' FEL	32.486239°	-104.324346°	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
322.80	Infill	30-015-53948	N	C

Order Numbers. Pending
Well setbacks are under Common Ownership: ☒Yes ☐No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
	18	21 S	26 E	LOT 1	481' FNL	40' FWL	32.485906°	-104.340885°	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
	18	21 S	26 E	LOT 1	413' FNL	686' FWL	32.486107°	-104.338789°	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	18	21 S	26 E		398' FNL	174' FEL	32.486237°	-104.324492°	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation:
		3302'

OPERATOR CERTIFICATIONS

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.

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.

11/18/24

Signature Date

Kanicia Schlichting

Printed Name

kanicia.schlichting@permianres.com

Email Address

SURVEYOR CERTIFICATIONS

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.

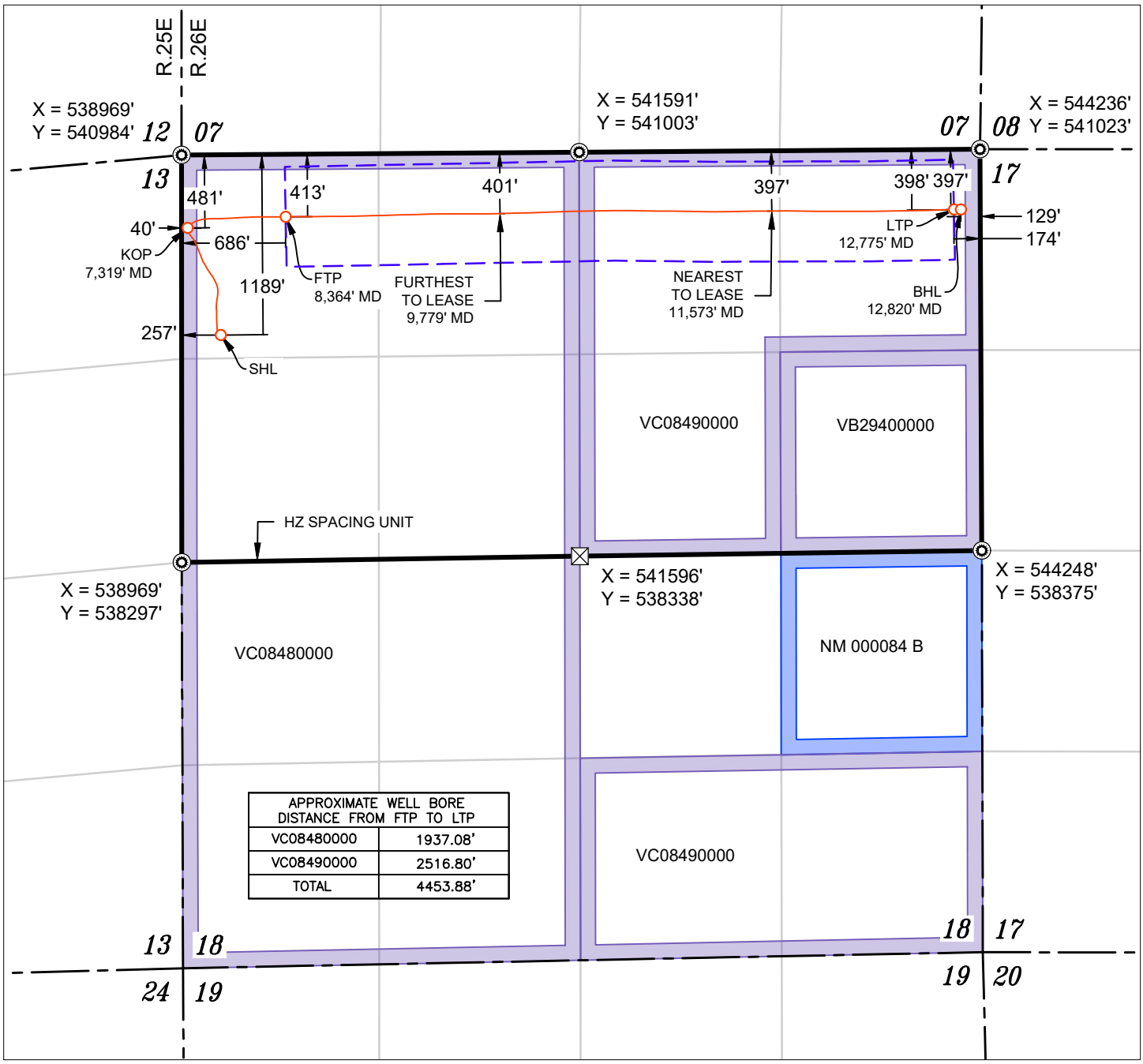
MATTHEW B. TOMERLIN
NEW MEXICO
23203
PROFESSIONAL SURVEYOR

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.



APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP	
VC08480000	1937.08'
VC08490000	2516.80'
TOTAL	4453.88'

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

0' 1000' 2000'

SCALE: 1" = 1000'

Permian Resources - Chieftain 18 State 601H

1. Geologic Formations

Formation	Elevation	TVD	Lithology	Target
Rustler	NP	NP	Sandstone	No
Top of Salt	NP	NP	Salt	No
Tansill	NP	NP	Anhydrite/Shale	No
Yates	NP	NP	Anhydrite/Shale	No
Seven Rivers	NP	NP	Limestone	No
Queen	NP	NP	Limestone	No
Grayburg	NP	NP	Limestone	No
San Andres	NP	NP	Limestone	No
Cherry Canyon	-1369	1936	Sandstone	No
Brushy Canyon	-706	2599	Sandstone	No
Bone Spring Lime	651	3956	Limestone/Shale	No
1st Bone Spring Sand	2073	5378	Sandstone/Limestone/Shale	No
2nd Bone Spring Sand	2881	6186	Sandstone/Limestone/Shale	No
3rd Bone Spring Sand	4199	7504	Sandstone/Limestone/Shale	No
Wolfcamp	4618	7923	Shale	Yes

2. Blowout Prevention

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	x	Tested to:
12.25	13-5/8”	5M	Annular	x	2500 psi
			Blind Ram	x	5000 psi
			Pipe Ram	x	
			Double Ram		
			Other*		
8.75	13-5/8”	5M	Annular	x	2500 psi
			Blind Ram	x	5000 psi
			Pipe Ram	x	
			Double Ram		
			Other*		

Equipment: BOPE will meet all requirements for above listed system per 43 CFR 3172. BOPE with working pressure ratings in excess of anticipated maximum surface pressure will be utilized for well control from drill out of surface casing to TMD. The system may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all of the components installed will be functional, tested, and will meet all requirements per 43 CFR 3172. The wellhead will be a multibowl speed head allowing for hangoff of intermediate casing of the surface x intermedicate annulus without breaking the connection between the BOP & wellhead. A variance is requested to utilize a flexible choke line (flexhose) from the BOP to choke manifold.

Requesting Variance? YES
Variance request: Multibowl Wellhead, Flexhose, Breaktesting, Offline Cementing Variances. Attachments in Section 8.
Testing Procedure: Operator requests to ONLY test broken pressure seals per API Standard 53 and the attachments in Section 8. The BOP test shall be performed before drilling out of the surface casing shoe and will occur at a minimum: a. when initially installed, b. whenever any seal subject to test pressure is broken, c. following related repairs, d. at 21-day intervals. Testing of the ram type preventer(s) and annual type preventer(s) shall be tested per 43 CFR 3172. The BOPE configuration, choke manifold layout, and accumulator system will be in compliance with 43 CFR 3172. Bleed lines will discharge 100' from wellhead in non-H2S scenarios and 150' from wellhead in H2S scenarios.

Choke Diagram Attachemnt: 5 M Choke Manifold
BOP Diagram Attachment: BOP Schematic

3. Casing

String	Hole Size	Casing Size	Top	Bottom	Top TVD	Bottom TVD	Length	Grade	Weight	Connection	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
Surface	17.5	13.375	0	530	0	530	530	H40	48	BTC	2.83	4.71	Dry	7.25	Dry	6.80
Intermediate	12.25	9.625	0	2250	0	2250	2250	J55	36	BTC	2.85	1.64	Dry	3.53	Dry	3.12
Production	8.75	5.5	0	8290	0	7532	8290	P110RY	20	GeoConn	1.79	1.87	Dry	2.10	Dry	2.10
Production	8.5	5.5	8290	12820	7532	8029	4530	P110RY	20	GeoConn	1.79	1.87	Dry	2.10	Dry	2.10
								BLM Min Safety Factor			1.125	1		1.6		1.6

Non API casing spec sheets and casing design assumptions attached.

4. Cement

String	Lead/Tail	Top MD	Bottom MD	Quanity (sx)	Yield	Density	Cu Ft	Excess %	Cement Type	Additives
Surface	Tail	0	530	550	1.34	14.8	560	50%	Class C	Accelerator
Intermediate	Lead	0	1800	500	2.16	12.7	790	50%	Class C	Salt, Extender, and LCM
Intermediate	Tail	1800	2250	250	1.34	14.8	220	50%	Class C	Accelerator
Production	Lead	1750	7415	500	2.89	11.5	1970	40%	Class H	POZ, Extender, Fluid Loss, Dispersant, Retarder
Production	Tail	7415	12820	1300	1.73	12.5	1580	25%	Class H	POZ, Extender, Fluid Loss, Dispersant, Retarder

5. Circulating Medium

Mud System Type: Closed
Will an air or gas system be used: No
Describe what will be on location to control well or mitigate oter conditions: Sufficient quantities of mud materials will be on the well site at all times for the purpose of assuring well control and maintaining wellbore integrity. Surface interval will employ fresh water mud. The intermediate hole will utilize a saturated brine fluid to inhibit salt washout. The production hole will employ brine based and oil base fluid to inhibit formation reactivity and of the appropriate density to maintain well control.

Describe the mud monitoring system utilized: Centrifuge separation system. Open tank monitoring with EDR will be used for drilling fluids and return volumes. Open tank monitoring will be used for cement and cuttings return volumes. Mud properties will be monitored at least every 24 hours using industry accepted mud check practices.

Cuttings Volume: 6610 Cu Ft

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight	Max Weight
0	530	Spud Mud	8.6	9.5
530	2250	Salt Saturated	10	10
2250	19038	Oil Based Mud	9	10

6. Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:
Will utilize MWD/LWD from intermediate hole to TD of the well.
List of open and cased hole logs run in the well:
DIRECTIONAL SURVEY
Coring operation description for the well:

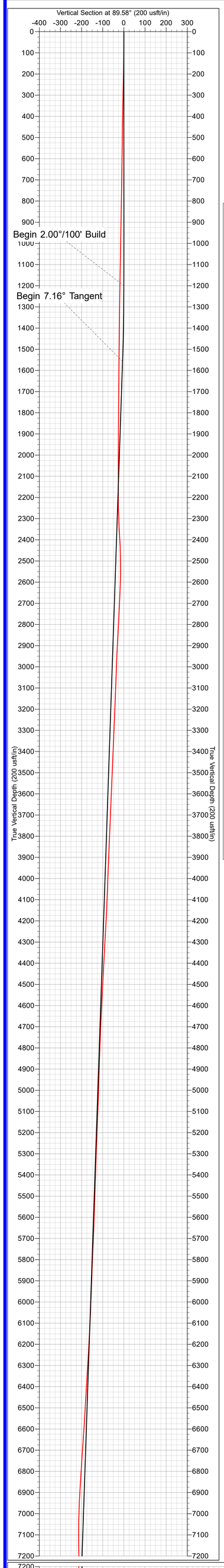
7. Pressure

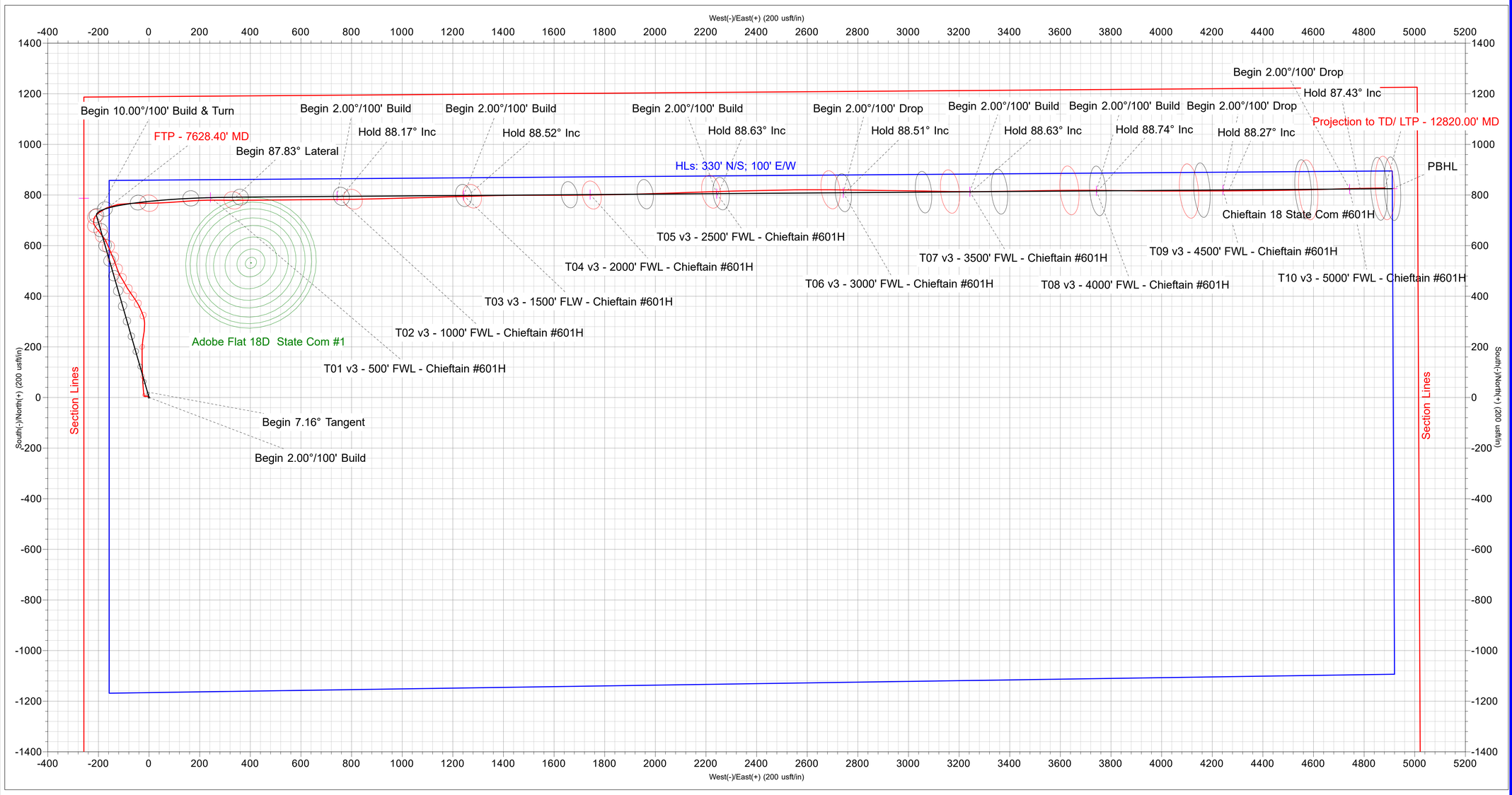
Anticipated Bottom Hole Pressure	4180	psi
Anticipated Surface Pressure	2408.7	psi
Anticipated Bottom Hole Temperature	138	°F
Anticipated Abnormal pressure, temp, or geo hazards	No	

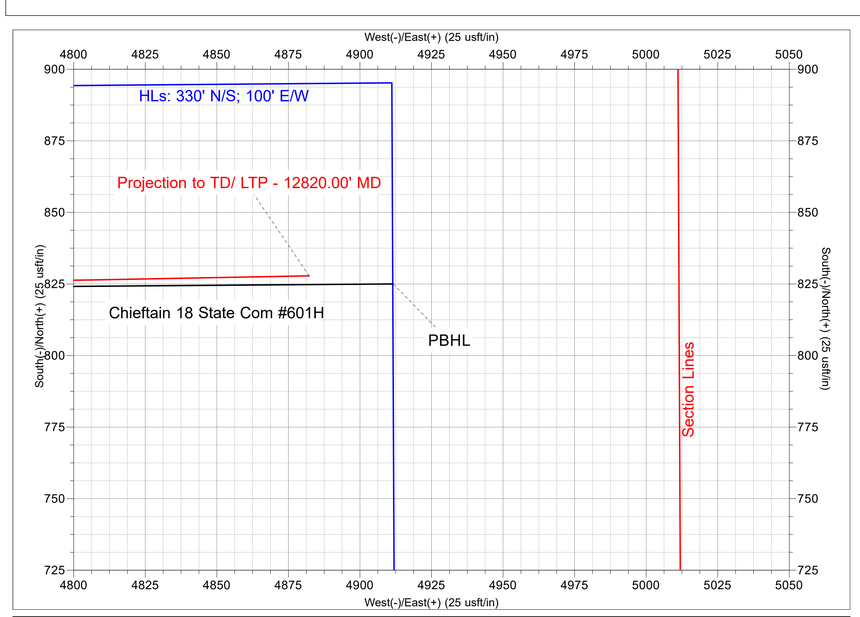
TASCOSA ENERGY PARTNERS, LLC

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

STRYKER DIRECTIONAL

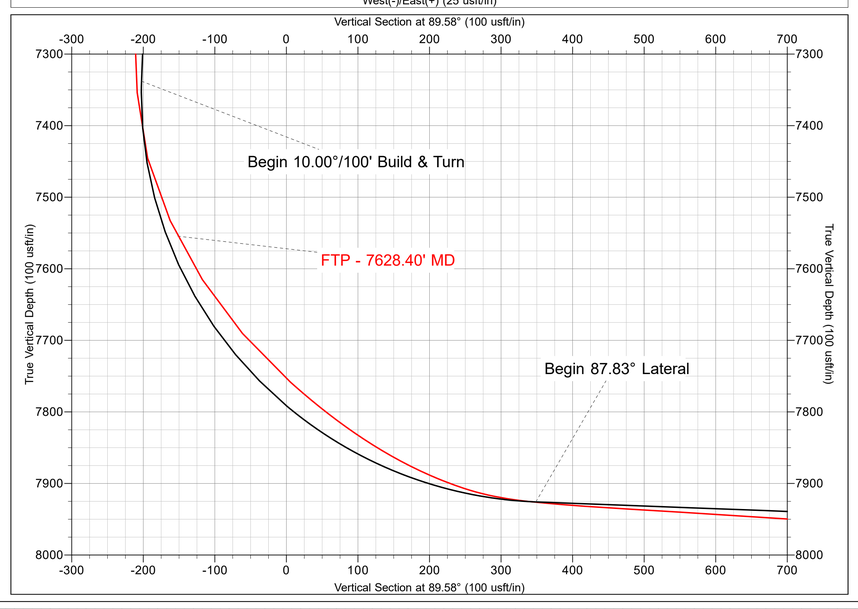




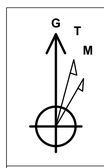


ANNOTATIONS

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
10688.67	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

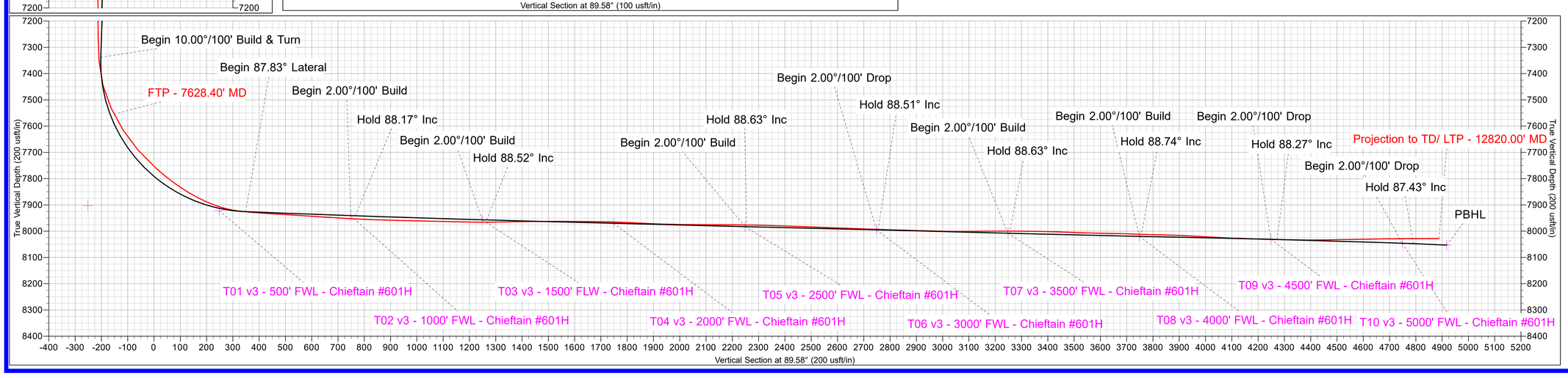


Azimuths to Grid North
True North: 0.00°
Magnetic North: 6.65°

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, LLC

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

TASCOSA ENERGY PARTNERS, LLC

Stryker Directional
Survey Report

STRYKER DIRECTIONAL

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

Well Chieftain 18 State Com #601H

Well Position	**+N/-S**	0.00 usft	**Northing:**	539,797.00 usft	**Latitude:**	32.483964
	+E/-W	0.00 usft	**Easting:**	539,226.34 usft	**Longitude:**	-104.340180
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,275.00 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	10/1/2023	6.65	59.95	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)	Direction (°)
	0.00	0.00	0.00	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

TASCOSA ENERGY PARTNERS, LLC

Stryker Directional
Survey Report

STRYKER DIRECTIONAL

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

TASCOSA ENERGY PARTNERS, LLC

Stryker Directional

Survey Report

STRYKER DIRECTIONAL

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

TASCOSA ENERGY PARTNERS, LLC

Stryker Directional
Survey Report

STRYKER DIRECTIONAL

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

TASCOSA ENERGY PARTNERS, LLC

Stryker Directional
Survey Report

STRYKER DIRECTIONAL

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)
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)	Local Coordinates +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 438759

CONDITIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 438759
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Accepted for the record as Tascosa had drill the well previous to Permian acquisition.	3/6/2025