

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

Form C-101
August 1, 2011

Permit 385125

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701		2. OGRID Number 260297
		3. API Number 30-025-54491
4. Property Code 337080	5. Property Name BOBTAIL 8605 26 23 STATE COM	6. Well No. 002H

7. Surface Location

UL - Lot P	Section 26	Township 20S	Range 35E	Lot Idn	Feet From 300	N/S Line S	Feet From 710	E/W Line E	County Lea
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8. Proposed Bottom Hole Location

UL - Lot A	Section 23	Township 20S	Range 35E	Lot Idn A	Feet From 50	N/S Line N	Feet From 495	E/W Line E	County Lea
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9. Pool Information

FEATHERSTONE;BONE SPRING	24250
FEATHERSTONE;BONE SPRING, EAST	24270

Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3671
16. Multiple Y	17. Proposed Depth 20550	18. Formation Bone Spring	19. Contractor	20. Spud Date 3/10/2025
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	1980	1265	0
Int1	12.25	9.625	40	5720	1940	0
Prod	8.75	5.5	17	20550	3240	4720

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	14000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable. Signature: Printed Name: Electronically filed by Katy Reddell Title: Email Address: kreddell@btaoil.com Date: 3/6/2025	OIL CONSERVATION DIVISION Approved By: Matthew Gomez Title: Approved Date: 3/7/2025 Expiration Date: 3/7/2027 Conditions of Approval Attached
Phone: 432-682-3753	

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals, & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024 PAGE 1 OF 2	
		Submittal Type:	☒ Initial Submittal ☐ Amended Report ☐ As Drilled

WELL LOCATION INFORMATION

API Number 30-025-54491	Pool Code [24250]	Pool Name FEATHERSTONE;BONE SPRING
Property Code 337080	Property Name BOBTAIL 8605 26-23 STATE COM	Well Number 2H
OGRID No. 260297	Operator Name BTA OIL PRODUCERS, LLC	Ground Level Elevation 3671'
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 (NAD83)	Longitude (NAD83)	County
P	26	20S	35E		300' FSL	710' FEL	32.53770359	-103.42169546	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD83)	Longitude (NAD83)	County
A	23	20S	35E		50' FNL	495' FEL	32.56582404	-103.42096880	LEA

Dedicated Acres 320.00 ...	Infill or Defining Well Infill	Defining Well API Pending: Bobtail 8605 26-23State Com 1H	Overlapping Spacing Unit (Y/N) N	Consolidation Code N/A
Order Numbers:	NSP 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 (NAD83)	Longitude (NAD83)	County
P	26	20S	35E		50' FSL	495' FEL	32.53701627	-103.42099868	LEA

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD83)	Longitude (NAD83)	County
P	26	20S	35E		100' FSL	495' FEL	32.53715369	-103.42099851	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD83)	Longitude (NAD83)	County
A	23	20S	35E		100' FNL	495' FEL	32.56568661	-103.42096893	LEA

Unitized Area or Area of Uniform Interest	Spacing Unit Type: ☒ Horizontal ☐ Vertical	Ground Floor Elevation 3671'
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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.

Sammy Hajar 2/4/2025
Signature Date

Sammy Hajar

Printed Name

SHAJAR@BTAOIL.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.



Signature and Seal of Professional Surveyor

Certificate Number	Date of Survey
21653	OCTOBER 25, 2024

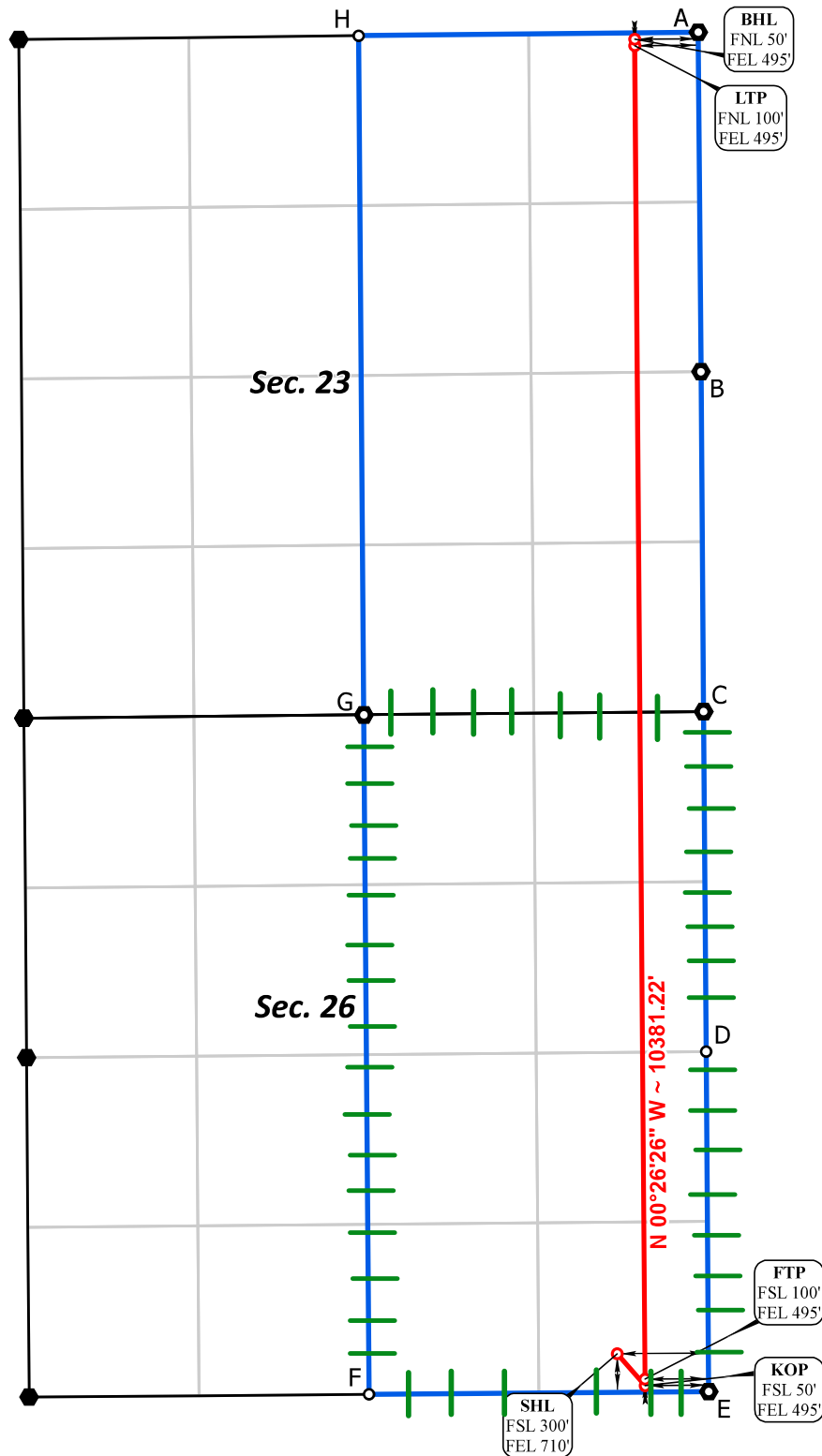
BHL
FNL 50' FEL 495', SECTION 23
NAD 83, SPCS NM EAST
X:822414.03' / Y:570782.12'
LAT:32.56582404 / LON:-103.42096880
NAD 27, SPCS NM EAST
X:781232.22' / Y:570719.72'
LAT:32.56570049 / LON:-103.42048447

LTP
FNL 100' FEL 495', SECTION 23
NAD 83, SPCS NM EAST
X:822414.42' / Y:570732.12'
LAT:32.56568661 / LON:-103.42096893
NAD 27, SPCS NM EAST
X:781232.61' / Y:570669.72'
LAT:32.56556306 / LON:-103.42048461

FTP
FSL 100' FEL 495', SECTION 26
NAD 83, SPCS NM EAST
X:822494.25' / Y:560351.21'
LAT:32.53715369 / LON:-103.42099851
NAD 27, SPCS NM EAST
X:781312.08' / Y:560289.05'
LAT:32.53702991 / LON:-103.42051551

KOP
FSL 50' FEL 495', SECTION 26
NAD 83, SPCS NM EAST
X:822494.63' / Y:560301.21'
LAT:32.53701627 / LON:-103.42099868
NAD 27, SPCS NM EAST
X:781312.46' / Y:560239.06'
LAT:32.53689248 / LON:-103.42051568

SHL
FSL 300' FEL 710', SECTION 26
NAD 83, SPCS NM EAST
X:822277.75' / Y:560549.44'
LAT:32.53770359 / LON:-103.42169546
NAD 27, SPCS NM EAST
X:781095.60' / Y:560487.27'
LAT:32.53757981 / LON:-103.42121239



CORNER COORDINATES
NAD 83, SPCS NM EAST
A - X: 822908.62' / Y:570837.36'
B - X: 822929.06' / Y:568194.03'
C - X: 822950.15' / Y:565547.99'
D - X: 822970.07' / Y:562901.64'
E - X: 822989.99' / Y:560255.29'
F - X: 820346.65' / Y:560233.52'
G - X: 820306.45' / Y:565522.94'
H - X: 820265.61' / Y:570809.38'

CORNER COORDINATES
NAD 27, SPCS NM EAST
A - X: 781726.80' / Y:570774.96'
B - X: 781747.15' / Y:568131.70'
C - X: 781768.14' / Y:565485.72'
D - X: 781787.97' / Y:562839.43'
E - X: 781807.80' / Y:560193.14'
F - X: 779164.54' / Y:560171.36'
G - X: 779124.51' / Y:565460.65'
H - X: 779083.85' / Y:570746.96'

○ Drill Line Events ● Section Corners — Drill Line — Dimension Lines - - - Federal Leases □ Project Area
All bearings and coordinates refer to New Mexico State Plane Coordinate System, East Zone, U.S. Survey Feet.



JOB No. BTA_0031_BT
REV 1 REM 10/22/2024

Distances/areas relative to NAD 83 grid measurements. Combined Scale Factor: 0.99981205 and a Convergence Angle: 0.44922778°

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals, & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024 PAGE 1 OF 2
		Submittal Type: ☒ Initial Submittal ☐ Amended Report ☐ As Drilled

WELL LOCATION INFORMATION

API Number 30-025-54491	Pool Code [24270]	Pool Name FEATHERSTONE;BONE SPRING EAST
Property Code 337080	Property Name BOBTAIL 8605 26-23 STATE COM	Well Number 2H
OGRID No. 260297	Operator Name BTA OIL PRODUCERS, LLC	Ground Level Elevation 3671'
Surface Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal

Surface Location

UL P	Section 26	Township 20S	Range 35E	Lot	Ft. from N/S 300' FSL	Ft. from E/W 710' FEL	Latitude (NAD83) 32.53770359	Longitude (NAD83) -103.42169546	County LEA
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Bottom Hole Location

UL A	Section 23	Township 20S	Range 35E	Lot	Ft. from N/S 50' FNL	Ft. from E/W 495' FEL	Latitude (NAD83) 32.56582404	Longitude (NAD83) -103.42096880	County LEA
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Dedicated Acres 320.00	Infill or Defining Well Infill	Defining Well API Pending: Bobtail 8605 26-23State Com 1H	Overlapping Spacing Unit (Y/N) N	Consolidation Code N/A
Order Numbers: NSP Pending			Well setbacks are under Common Ownership: ☐ Yes ☐ No	

Kick Off Point (KOP)

UL P	Section 26	Township 20S	Range 35E	Lot	Ft. from N/S 50' FSL	Ft. from E/W 495' FEL	Latitude (NAD83) 32.53701627	Longitude (NAD83) -103.42099868	County LEA
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First Take Point (FTP)

UL P	Section 26	Township 20S	Range 35E	Lot	Ft. from N/S 100' FSL	Ft. from E/W 495' FEL	Latitude (NAD83) 32.53715369	Longitude (NAD83) -103.42099851	County LEA
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Last Take Point (LTP)

UL A	Section 23	Township 20S	Range 35E	Lot	Ft. from N/S 100' FNL	Ft. from E/W 495' FEL	Latitude (NAD83) 32.56568661	Longitude (NAD83) -103.42096893	County LEA
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Sammy Hajar 2/4/2025
Signature Date

Sammy Hajar
Printed Name

SHAJAR@BTAOIL.COM
Email Address

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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.



Signature and Seal of Professional Surveyor
Certificate Number Date of Survey

21653 OCTOBER 25, 2024

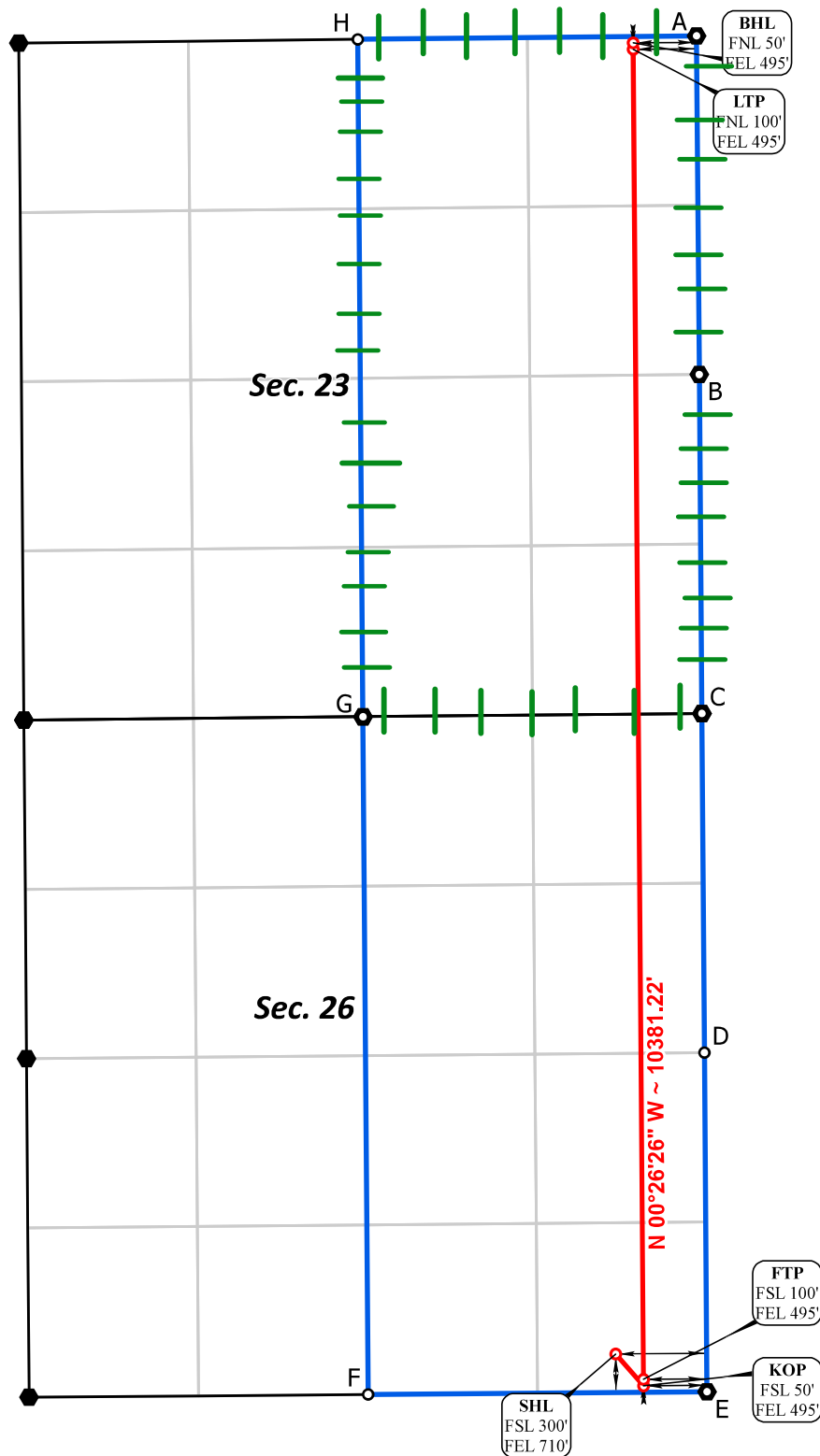
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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form APD Conditions

Permit 385125

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: BTA OIL PRODUCERS, LLC [260297] 104 S Pecos Midland, TX 79701	API Number: 30-025-54491
	Well: BOBTAIL 8605 26 23 STATE COM #002H

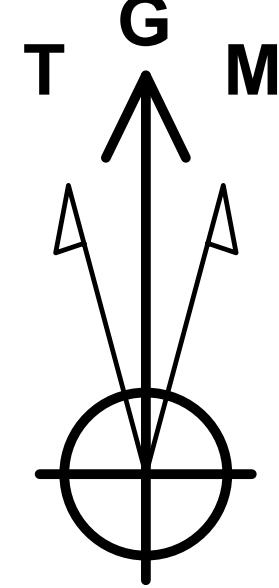
OCD Reviewer	Condition
matthew.gomez	A [C-103] Sub. Drilling (C-103N) is required within (10) days of spud.
matthew.gomez	Notify the OCD 24 hours prior to casing & cement.
matthew.gomez	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.
matthew.gomez	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.
matthew.gomez	Cement is required to circulate on both surface and intermediate1 strings of casing.
matthew.gomez	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.
matthew.gomez	File As Drilled C-102 and a directional Survey with C-104 completion packet.
matthew.gomez	Administrative order required for non-standard spacing unit prior to production.

Project: Lea County, NM (NAD83 NME)
Site: Bobtail 8605
Well: Bobtail 8605 26-23 State Com 2H
Wellbore: OH
Design: Plan 1 02-24-25
Riq: Patterson 566



PHOENIX
TECHNOLOGY SERVICES

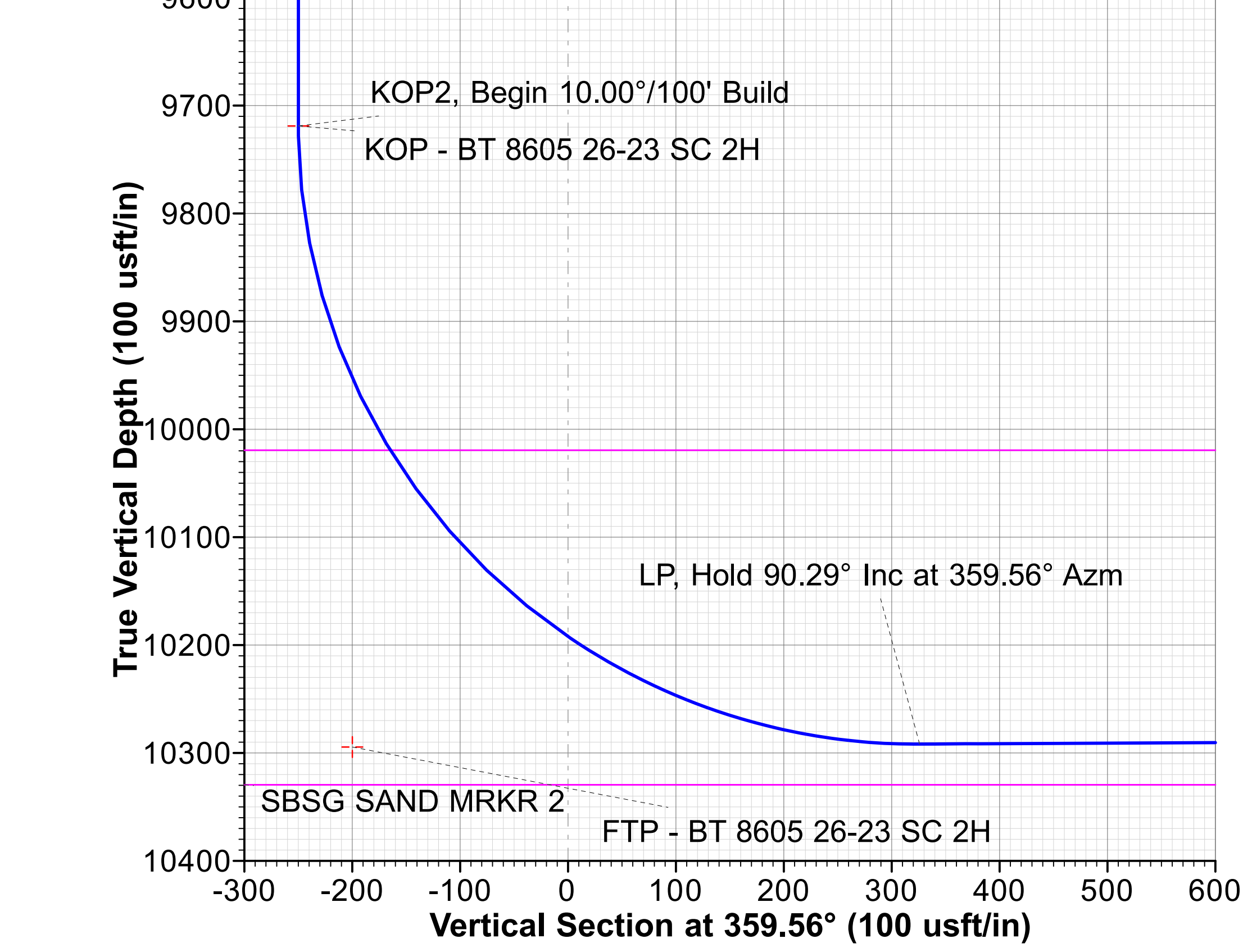
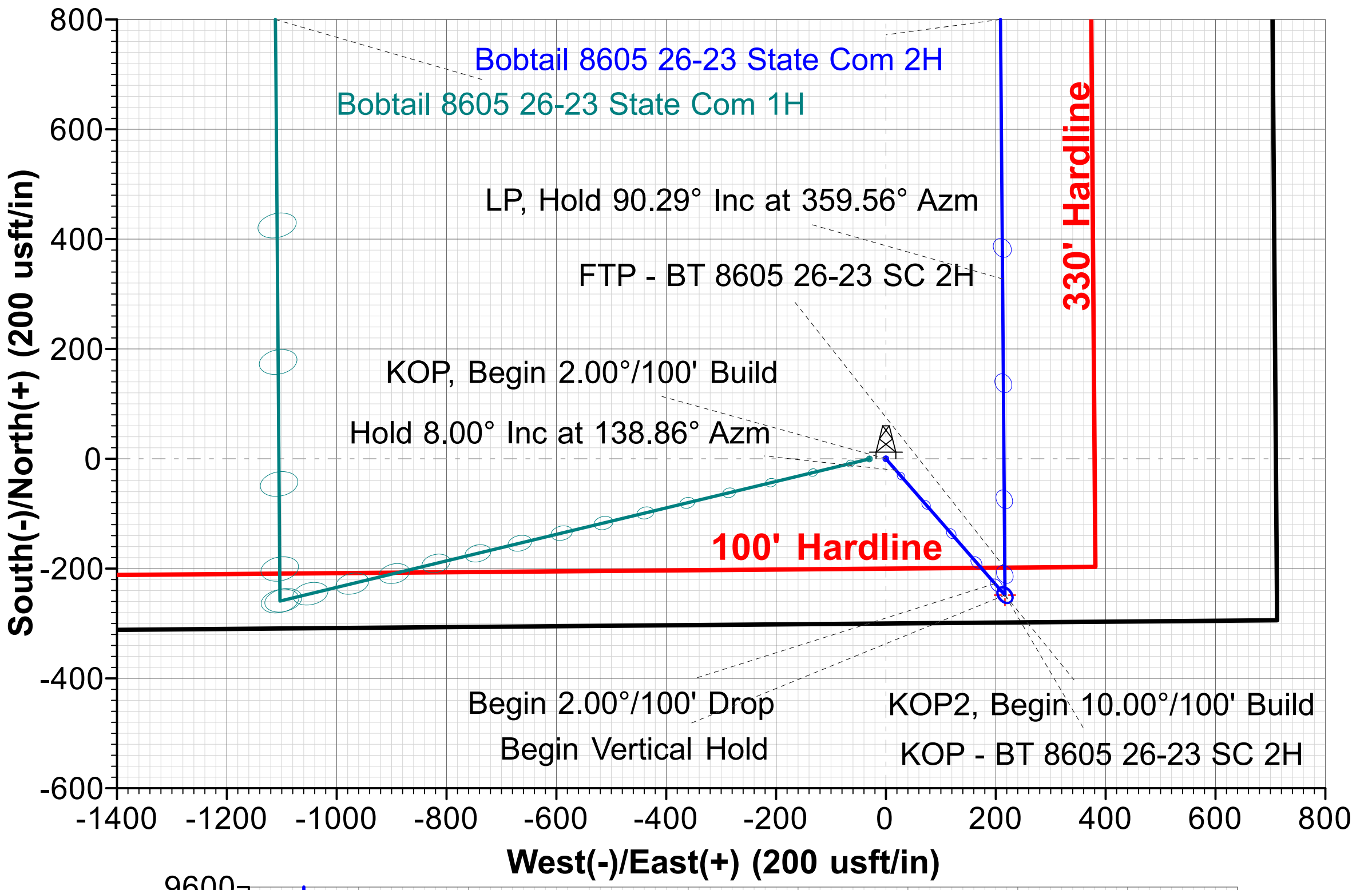
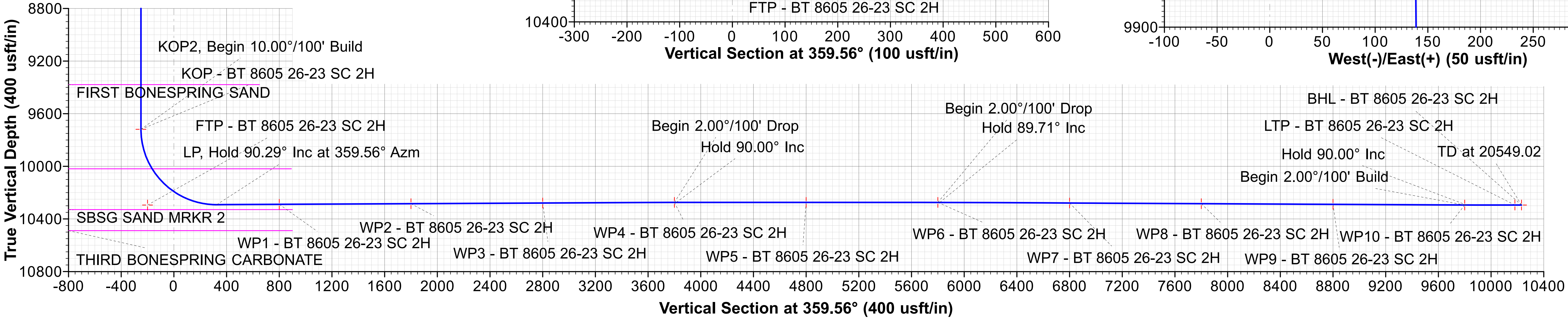
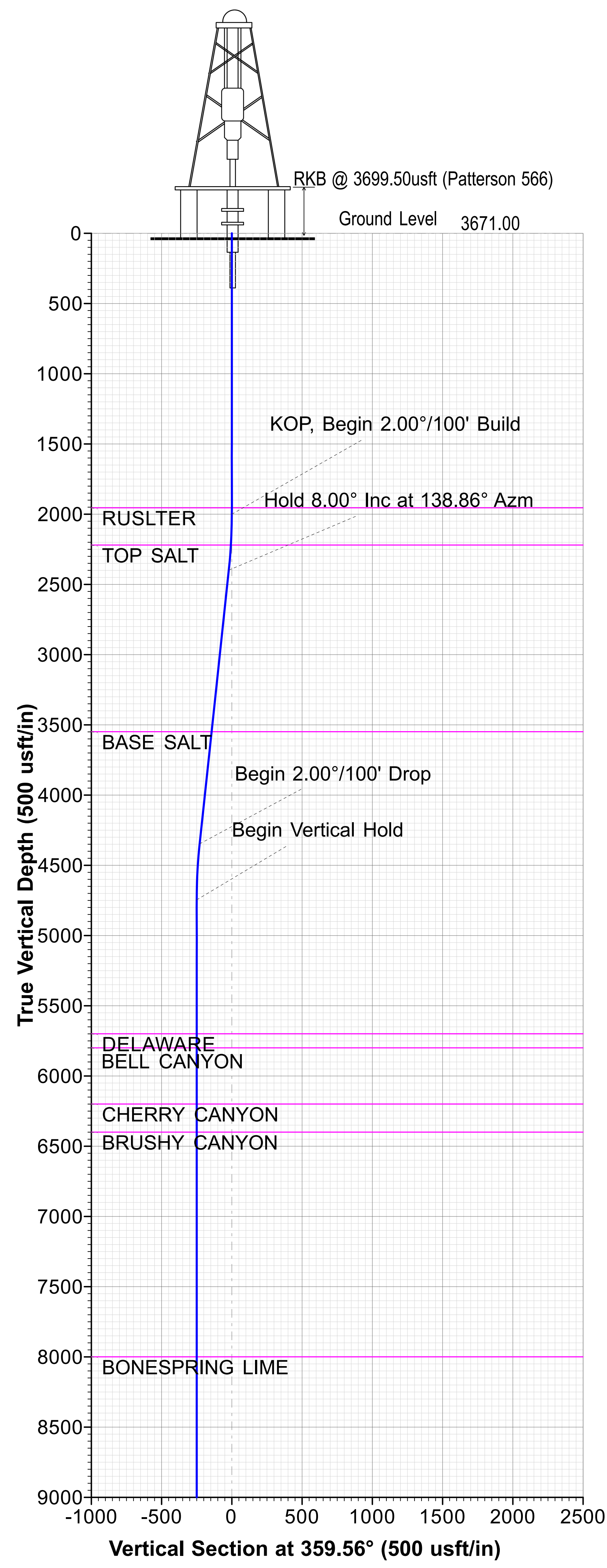
T
G
M



Azimuths to Grid North
True North: -0.49°
Magnetic North: 5.64°

Magnetic Field
Strength: 47429.5nT
Dip Angle: 60.27°
Date: 4/19/2025
Model: MVHD

WELL DETAILS											
				Ground Level		3671.00					
				+N/-S	+E/-W	Northing	Easting	Latitude		Longitude	
				0.00	0.00	560549.44	822277.75	32° 32' 15.732924 N		103° 25' 18.103656 W	
SECTION DETAILS											
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00		
2	2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.000	0.00		KOP, Begin 2.00°/100' Build
3	2400.00	8.00	138.86	2398.70	-21.00	18.34	2.00	138.856	-21.14		Hold 8.00° Inc at 138.86° Azm
4	4367.77	8.00	138.86	4347.32	-227.23	198.53	0.00	0.000	-228.74		Begin 2.00°/100' Drop
5	4767.77	0.00	0.00	4746.02	-248.22	216.88	2.00	180.000	-249.88		Begin Vertical Hold
6	9740.67	0.00	0.00	9718.92	-248.22	216.88	0.00	0.000	-249.88	KOP - BT 8605 26-23 SC 2H	KOP2, Begin 10.00°/100' Build
7	10643.53	90.29	359.56	10291.87	327.58	212.45	10.00	359.559	325.94		LP, Hold 90.29° Inc at 359.56° Azm
8	14117.75	90.29	359.56	10274.50	3801.65	185.74	0.00	0.000	3800.12	WP4 - BT 8605 26-23 SC 2H	Begin 2.00°/100' Drop
9	14132.13	90.00	359.56	10274.46	3816.03	185.63	2.00	-179.985	3814.49		Hold 90.00° Inc
10	16117.76	90.00	359.56	10274.50	5801.60	170.36	0.00	0.000	5800.12	WP6 - BT 8605 26-23 SC 2H	Begin 2.00°/100' Drop
11	16132.06	89.71	359.56	10274.54	5815.90	170.25	2.00	-180.000	5814.42		Hold 89.71° Inc
12	20117.81	89.71	359.56	10294.50	9801.48	139.60	0.00	0.000	9800.12	WP10 - BT 8605 26-23 SC 2H	Begin 2.00°/100' Build
13	20132.40	90.00	359.56	10294.54	9816.08	139.49	2.00	-0.068	9814.72		Hold 90.00° Inc
14	20549.02	90.00	359.56	10294.50	10232.68	136.28	0.00	0.000	10231.34	BHL - BT 8605 26-23 SC 2H	TD at 20549.02



Map System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone Name: New Mexico Eastern Zone

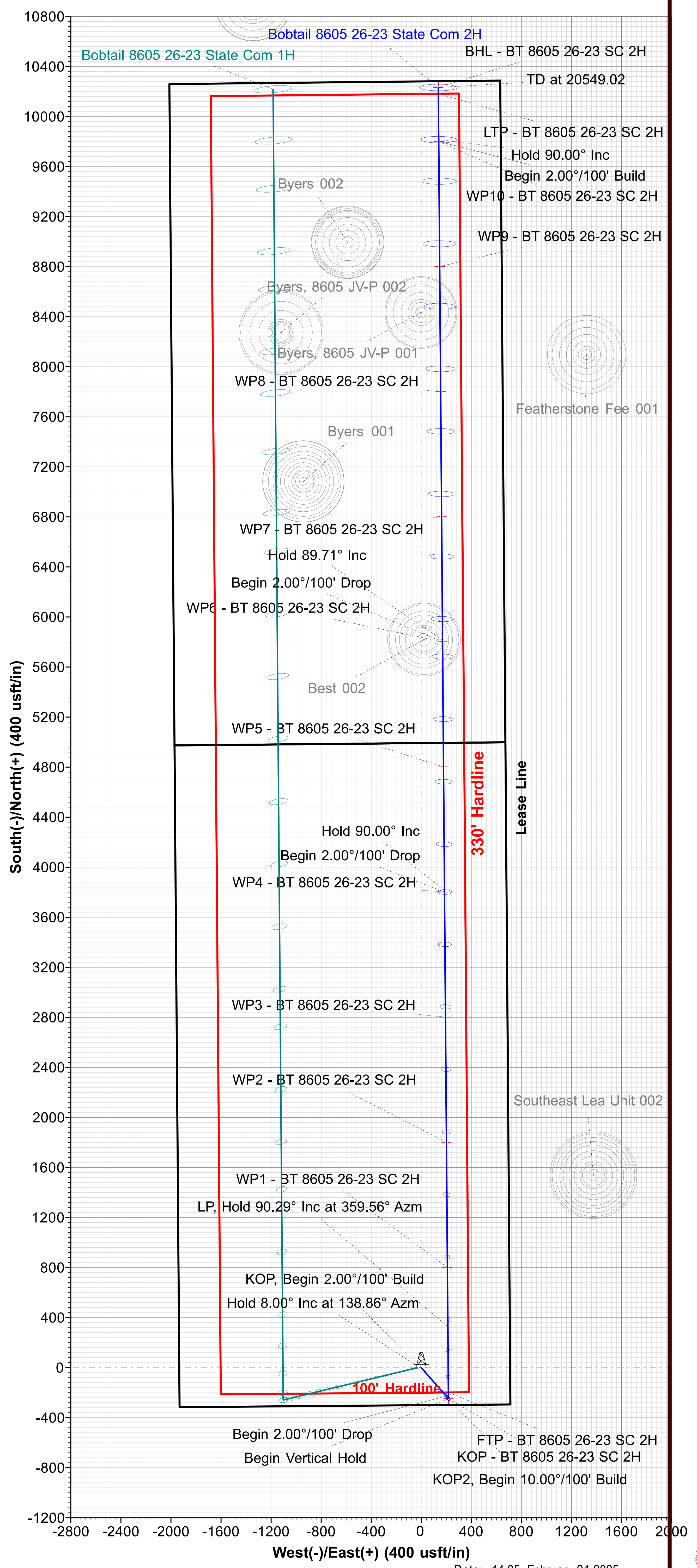
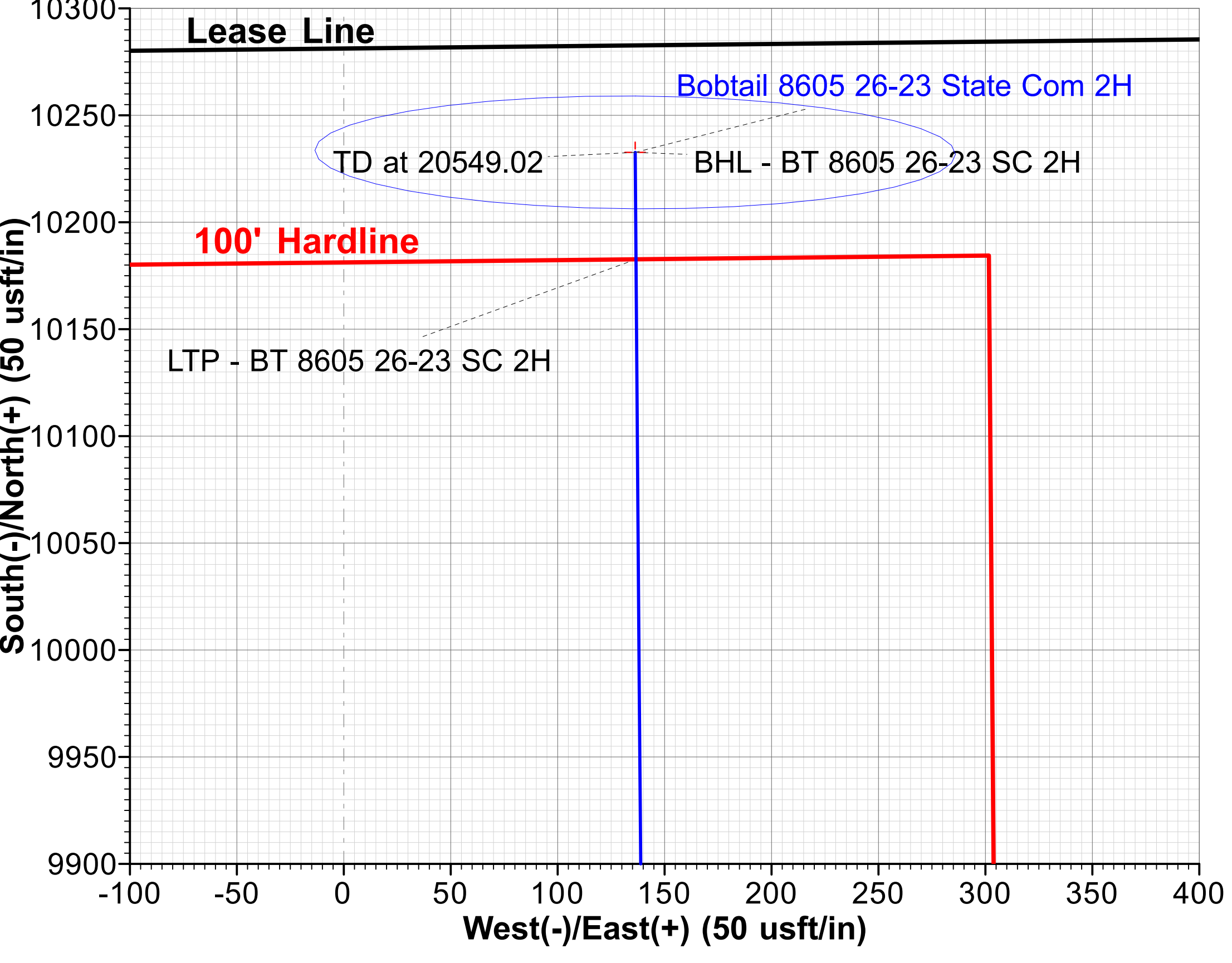
Local Origin: Well Bobtail 8605 26-23 State Com 2H, Grid North

Latitude: 32° 32' 15.732924 N
Longitude: 103° 25' 18.103656 W

Grid East: 822277.75
Grid North: 560549.44
Scale Factor: 1.000

Geomagnetic Model: MVHD
Sample Date: 19-Apr-25
Magnetic Declination: 6.129°
Dip Angle from Horizontal: 60.269°
Magnetic Field Strength: 47429.52647775nT

To convert a Magnetic Direction to a Grid Direction, Add 5.638°
To convert a Magnetic Direction to a True Direction, Add 6.129° East
To convert a True Direction to a Grid Direction, Subtract 0.490°





BTA Oil Producers, LLC

Lea County, NM (NAD83 NME)

Bobtail 8605

Bobtail 8605 26-23 State Com 2H

OH

Plan: Plan 1 02-24-25

Standard Planning Report

24 February, 2025





Phoenix Technology Services

Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Bobtail 8605 26-23 State Com 2H
Company:	BTA Oil Producers, LLC	TVD Reference:	RKB @ 3699.50usft (Patterson 566)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3699.50usft (Patterson 566)
Site:	Bobtail 8605	North Reference:	Grid
Well:	Bobtail 8605 26-23 State Com 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 02-24-25		

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

Site		Bobtail 8605			
Site Position:		Northing:	560,549.19 usft	Latitude:	32° 32' 15.733032 N
From:	Map	Easting:	822,247.75 usft	Longitude:	103° 25' 18.454080 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.490 °

Well	Bobtail 8605 26-23 State Com 2H,					
Well Position	+N/-S	0.25 usft	Northing:	560,549.44 usft	Latitude:	32° 32' 15.732924 N
	+E/-W	30.00 usft	Easting:	822,277.75 usft	Longitude:	103° 25' 18.103656 W
Position Uncertainty	1.00 usft		Wellhead Elevation:		Ground Level:	3,671.00 usft

Wellbore	OH					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)	
	MVHD	4/19/2025	6.129	60.269	47,429.52647775	

Design	Plan 1 02-24-25				
Audit Notes:					
Version:		Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	359.56	

Plan Survey Tool Program	Date	2/24/2025			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	20,549.02	Plan 1 02-24-25 (OH)	B001Mc_MWD+HRGM_R5 MWD+HRGM	



Phoenix Technology Services

Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Bobtail 8605 26-23 State Com 2H
Company:	BTA Oil Producers, LLC	TVD Reference:	RKB @ 3699.50usft (Patterson 566)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3699.50usft (Patterson 566)
Site:	Bobtail 8605	North Reference:	Grid
Well:	Bobtail 8605 26-23 State Com 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 02-24-25		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.000	
2,400.00	8.00	138.86	2,398.70	-21.00	18.34	2.00	2.00	0.00	138.856	
4,367.77	8.00	138.86	4,347.32	-227.23	198.53	0.00	0.00	0.00	0.000	
4,767.77	0.00	0.00	4,746.02	-248.22	216.88	2.00	-2.00	0.00	180.000	
9,740.67	0.00	0.00	9,718.92	-248.22	216.88	0.00	0.00	0.00	0.000	KOP - BT 8605 26-2
10,643.53	90.29	359.56	10,291.87	327.58	212.45	10.00	10.00	-0.05	359.559	
14,117.75	90.29	359.56	10,274.50	3,801.65	185.74	0.00	0.00	0.00	0.000	WP4 - BT 8605 26-2
14,132.13	90.00	359.56	10,274.46	3,816.03	185.63	2.00	-2.00	0.00	-179.985	
16,117.76	90.00	359.56	10,274.50	5,801.60	170.36	0.00	0.00	0.00	0.000	WP6 - BT 8605 26-2
16,132.06	89.71	359.56	10,274.54	5,815.90	170.25	2.00	-2.00	0.00	-180.000	
20,117.81	89.71	359.56	10,294.50	9,801.48	139.60	0.00	0.00	0.00	0.000	WP10 - BT 8605 26-2
20,132.40	90.00	359.56	10,294.54	9,816.08	139.49	2.00	2.00	0.00	-0.068	
20,549.02	90.00	359.56	10,294.50	10,232.68	136.28	0.00	0.00	0.00	0.000	BHL - BT 8605 26-2



Phoenix Technology Services

Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Bobtail 8605 26-23 State Com 2H
Company:	BTA Oil Producers, LLC	TVD Reference:	RKB @ 3699.50usft (Patterson 566)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3699.50usft (Patterson 566)
Site:	Bobtail 8605	North Reference:	Grid
Well:	Bobtail 8605 26-23 State Com 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 02-24-25		

Planned 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
1,954.50	0.00	0.00	1,954.50	0.00	0.00	0.00	0.00	0.00	0.00
RUSLTER									
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP, Begin 2.00°/100' Build									
2,100.00	2.00	138.86	2,099.98	-1.31	1.15	-1.32	2.00	2.00	0.00
2,200.00	4.00	138.86	2,199.84	-5.26	4.59	-5.29	2.00	2.00	0.00
2,219.72	4.39	138.86	2,219.50	-6.34	5.54	-6.38	2.00	2.00	0.00
TOP SALT									
2,300.00	6.00	138.86	2,299.45	-11.82	10.33	-11.90	2.00	2.00	0.00
2,400.00	8.00	138.86	2,398.70	-21.00	18.34	-21.14	2.00	2.00	0.00
Hold 8.00° Inc at 138.86° Azm									
2,500.00	8.00	138.86	2,497.73	-31.48	27.50	-31.69	0.00	0.00	0.00
2,600.00	8.00	138.86	2,596.76	-41.96	36.66	-42.24	0.00	0.00	0.00
2,700.00	8.00	138.86	2,695.78	-52.44	45.81	-52.79	0.00	0.00	0.00
2,800.00	8.00	138.86	2,794.81	-62.92	54.97	-63.34	0.00	0.00	0.00
2,900.00	8.00	138.86	2,893.84	-73.40	64.13	-73.89	0.00	0.00	0.00
3,000.00	8.00	138.86	2,992.86	-83.88	73.29	-84.44	0.00	0.00	0.00
3,100.00	8.00	138.86	3,091.89	-94.36	82.44	-94.99	0.00	0.00	0.00
3,200.00	8.00	138.86	3,190.92	-104.84	91.60	-105.54	0.00	0.00	0.00
3,300.00	8.00	138.86	3,289.94	-115.32	100.76	-116.09	0.00	0.00	0.00
3,400.00	8.00	138.86	3,388.97	-125.80	109.91	-126.64	0.00	0.00	0.00
3,500.00	8.00	138.86	3,488.00	-136.28	119.07	-137.19	0.00	0.00	0.00
3,562.11	8.00	138.86	3,549.50	-142.79	124.76	-143.74	0.00	0.00	0.00
BASE SALT									
3,600.00	8.00	138.86	3,587.02	-146.76	128.23	-147.74	0.00	0.00	0.00
3,700.00	8.00	138.86	3,686.05	-157.24	137.39	-158.29	0.00	0.00	0.00
3,800.00	8.00	138.86	3,785.08	-167.72	146.54	-168.84	0.00	0.00	0.00
3,900.00	8.00	138.86	3,884.10	-178.20	155.70	-179.39	0.00	0.00	0.00
4,000.00	8.00	138.86	3,983.13	-188.68	164.86	-189.94	0.00	0.00	0.00
4,100.00	8.00	138.86	4,082.16	-199.16	174.01	-200.49	0.00	0.00	0.00
4,200.00	8.00	138.86	4,181.18	-209.64	183.17	-211.04	0.00	0.00	0.00
4,300.00	8.00	138.86	4,280.21	-220.12	192.33	-221.59	0.00	0.00	0.00
4,367.77	8.00	138.86	4,347.32	-227.23	198.53	-228.74	0.00	0.00	0.00
Begin 2.00°/100' Drop									
4,400.00	7.36	138.86	4,379.26	-230.47	201.37	-232.01	2.00	-2.00	0.00
4,500.00	5.36	138.86	4,478.64	-238.80	208.65	-240.40	2.00	-2.00	0.00
4,600.00	3.36	138.86	4,578.35	-244.52	213.65	-246.16	2.00	-2.00	0.00
4,700.00	1.36	138.86	4,678.26	-247.62	216.35	-249.27	2.00	-2.00	0.00
4,767.77	0.00	0.00	4,746.02	-248.22	216.88	-249.88	2.00	-2.00	0.00
Begin Vertical Hold									
4,800.00	0.00	0.00	4,778.25	-248.22	216.88	-249.88	0.00	0.00	0.00
4,900.00	0.00	0.00	4,878.25	-248.22	216.88	-249.88	0.00	0.00	0.00
5,000.00	0.00	0.00	4,978.25	-248.22	216.88	-249.88	0.00	0.00	0.00
5,100.00	0.00	0.00	5,078.25	-248.22	216.88	-249.88	0.00	0.00	0.00
5,200.00	0.00	0.00	5,178.25	-248.22	216.88	-249.88	0.00	0.00	0.00
5,300.00	0.00	0.00	5,278.25	-248.22	216.88	-249.88	0.00	0.00	0.00
5,400.00	0.00	0.00	5,378.25	-248.22	216.88	-249.88	0.00	0.00	0.00
5,500.00	0.00	0.00	5,478.25	-248.22	216.88	-249.88	0.00	0.00	0.00
5,600.00	0.00	0.00	5,578.25	-248.22	216.88	-249.88	0.00	0.00	0.00
5,700.00	0.00	0.00	5,678.25	-248.22	216.88	-249.88	0.00	0.00	0.00
5,721.25	0.00	0.00	5,699.50	-248.22	216.88	-249.88	0.00	0.00	0.00
DELAWARE									



Phoenix Technology Services

Planning Report



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Company:	BTA Oil Producers, LLC	TVD Reference:	RKB @ 3699.50usft (Patterson 566)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3699.50usft (Patterson 566)
Site:	Bobtail 8605	North Reference:	Grid
Well:	Bobtail 8605 26-23 State Com 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 02-24-25		

Planned 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)
5,800.00	0.00	0.00	5,778.25	-248.22	216.88	-249.88	0.00	0.00	0.00
5,821.25	0.00	0.00	5,799.50	-248.22	216.88	-249.88	0.00	0.00	0.00
BELL CANYON									
5,900.00	0.00	0.00	5,878.25	-248.22	216.88	-249.88	0.00	0.00	0.00
6,000.00	0.00	0.00	5,978.25	-248.22	216.88	-249.88	0.00	0.00	0.00
6,100.00	0.00	0.00	6,078.25	-248.22	216.88	-249.88	0.00	0.00	0.00
6,200.00	0.00	0.00	6,178.25	-248.22	216.88	-249.88	0.00	0.00	0.00
6,221.25	0.00	0.00	6,199.50	-248.22	216.88	-249.88	0.00	0.00	0.00
CHERRY CANYON									
6,300.00	0.00	0.00	6,278.25	-248.22	216.88	-249.88	0.00	0.00	0.00
6,400.00	0.00	0.00	6,378.25	-248.22	216.88	-249.88	0.00	0.00	0.00
6,421.25	0.00	0.00	6,399.50	-248.22	216.88	-249.88	0.00	0.00	0.00
BRUSHY CANYON									
6,500.00	0.00	0.00	6,478.25	-248.22	216.88	-249.88	0.00	0.00	0.00
6,600.00	0.00	0.00	6,578.25	-248.22	216.88	-249.88	0.00	0.00	0.00
6,700.00	0.00	0.00	6,678.25	-248.22	216.88	-249.88	0.00	0.00	0.00
6,800.00	0.00	0.00	6,778.25	-248.22	216.88	-249.88	0.00	0.00	0.00
6,900.00	0.00	0.00	6,878.25	-248.22	216.88	-249.88	0.00	0.00	0.00
7,000.00	0.00	0.00	6,978.25	-248.22	216.88	-249.88	0.00	0.00	0.00
7,100.00	0.00	0.00	7,078.25	-248.22	216.88	-249.88	0.00	0.00	0.00
7,200.00	0.00	0.00	7,178.25	-248.22	216.88	-249.88	0.00	0.00	0.00
7,300.00	0.00	0.00	7,278.25	-248.22	216.88	-249.88	0.00	0.00	0.00
7,400.00	0.00	0.00	7,378.25	-248.22	216.88	-249.88	0.00	0.00	0.00
7,500.00	0.00	0.00	7,478.25	-248.22	216.88	-249.88	0.00	0.00	0.00
7,600.00	0.00	0.00	7,578.25	-248.22	216.88	-249.88	0.00	0.00	0.00
7,700.00	0.00	0.00	7,678.25	-248.22	216.88	-249.88	0.00	0.00	0.00
7,800.00	0.00	0.00	7,778.25	-248.22	216.88	-249.88	0.00	0.00	0.00
7,900.00	0.00	0.00	7,878.25	-248.22	216.88	-249.88	0.00	0.00	0.00
8,000.00	0.00	0.00	7,978.25	-248.22	216.88	-249.88	0.00	0.00	0.00
8,021.25	0.00	0.00	7,999.50	-248.22	216.88	-249.88	0.00	0.00	0.00
BONESPRING LIME									
8,100.00	0.00	0.00	8,078.25	-248.22	216.88	-249.88	0.00	0.00	0.00
8,200.00	0.00	0.00	8,178.25	-248.22	216.88	-249.88	0.00	0.00	0.00
8,300.00	0.00	0.00	8,278.25	-248.22	216.88	-249.88	0.00	0.00	0.00
8,400.00	0.00	0.00	8,378.25	-248.22	216.88	-249.88	0.00	0.00	0.00
8,500.00	0.00	0.00	8,478.25	-248.22	216.88	-249.88	0.00	0.00	0.00
8,600.00	0.00	0.00	8,578.25	-248.22	216.88	-249.88	0.00	0.00	0.00
8,700.00	0.00	0.00	8,678.25	-248.22	216.88	-249.88	0.00	0.00	0.00
8,800.00	0.00	0.00	8,778.25	-248.22	216.88	-249.88	0.00	0.00	0.00
8,900.00	0.00	0.00	8,878.25	-248.22	216.88	-249.88	0.00	0.00	0.00
9,000.00	0.00	0.00	8,978.25	-248.22	216.88	-249.88	0.00	0.00	0.00
9,100.00	0.00	0.00	9,078.25	-248.22	216.88	-249.88	0.00	0.00	0.00
9,200.00	0.00	0.00	9,178.25	-248.22	216.88	-249.88	0.00	0.00	0.00
9,300.00	0.00	0.00	9,278.25	-248.22	216.88	-249.88	0.00	0.00	0.00
9,400.00	0.00	0.00	9,378.25	-248.22	216.88	-249.88	0.00	0.00	0.00
9,401.25	0.00	0.00	9,379.50	-248.22	216.88	-249.88	0.00	0.00	0.00
FIRST BONESPRING SAND									
9,500.00	0.00	0.00	9,478.25	-248.22	216.88	-249.88	0.00	0.00	0.00
9,600.00	0.00	0.00	9,578.25	-248.22	216.88	-249.88	0.00	0.00	0.00
9,700.00	0.00	0.00	9,678.25	-248.22	216.88	-249.88	0.00	0.00	0.00
9,740.67	0.00	0.00	9,718.92	-248.22	216.88	-249.88	0.00	0.00	0.00
KOP2, Begin 10.00°/100' Build									
9,800.00	5.93	359.56	9,778.15	-245.15	216.85	-246.81	10.00	10.00	0.00



Phoenix Technology Services

Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Bobtail 8605 26-23 State Com 2H
Company:	BTA Oil Producers, LLC	TVD Reference:	RKB @ 3699.50usft (Patterson 566)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3699.50usft (Patterson 566)
Site:	Bobtail 8605	North Reference:	Grid
Well:	Bobtail 8605 26-23 State Com 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 02-24-25		

Planned 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)
9,900.00	15.93	359.56	9,876.21	-226.21	216.71	-227.87	10.00	10.00	0.00
10,000.00	25.93	359.56	9,969.49	-190.53	216.43	-192.19	10.00	10.00	0.00
10,057.09	31.64	359.56	10,019.50	-163.05	216.22	-164.71	10.00	10.00	0.00
SECOND BONESPRING SAND									
10,100.00	35.93	359.56	10,055.16	-139.19	216.04	-140.85	10.00	10.00	0.00
10,200.00	45.93	359.56	10,130.61	-73.76	215.54	-75.41	10.00	10.00	0.00
10,300.00	55.93	359.56	10,193.55	3.78	214.94	2.13	10.00	10.00	0.00
10,400.00	65.93	359.56	10,242.07	91.07	214.27	89.42	10.00	10.00	0.00
10,500.00	75.93	359.56	10,274.70	185.46	213.54	183.82	10.00	10.00	0.00
10,600.00	85.93	359.56	10,290.44	284.09	212.78	282.44	10.00	10.00	0.00
10,643.53	90.29	359.56	10,291.87	327.58	212.45	325.94	10.00	10.00	0.00
LP, Hold 90.29° Inc at 359.56° Azm									
10,700.00	90.29	359.56	10,291.59	384.05	212.02	382.41	0.00	0.00	0.00
10,800.00	90.29	359.56	10,291.09	484.04	211.25	482.41	0.00	0.00	0.00
10,900.00	90.29	359.56	10,290.59	584.04	210.48	582.41	0.00	0.00	0.00
11,000.00	90.29	359.56	10,290.09	684.04	209.71	682.41	0.00	0.00	0.00
11,100.00	90.29	359.56	10,289.59	784.03	208.94	782.40	0.00	0.00	0.00
11,200.00	90.29	359.56	10,289.09	884.03	208.17	882.40	0.00	0.00	0.00
11,300.00	90.29	359.56	10,288.59	984.02	207.40	982.40	0.00	0.00	0.00
11,400.00	90.29	359.56	10,288.09	1,084.02	206.63	1,082.40	0.00	0.00	0.00
11,500.00	90.29	359.56	10,287.59	1,184.01	205.86	1,182.40	0.00	0.00	0.00
11,600.00	90.29	359.56	10,287.09	1,284.01	205.10	1,282.40	0.00	0.00	0.00
11,700.00	90.29	359.56	10,286.59	1,384.01	204.33	1,382.40	0.00	0.00	0.00
11,800.00	90.29	359.56	10,286.09	1,484.00	203.56	1,482.40	0.00	0.00	0.00
11,900.00	90.29	359.56	10,285.59	1,584.00	202.79	1,582.39	0.00	0.00	0.00
12,000.00	90.29	359.56	10,285.09	1,683.99	202.02	1,682.39	0.00	0.00	0.00
12,100.00	90.29	359.56	10,284.59	1,783.99	201.25	1,782.39	0.00	0.00	0.00
12,200.00	90.29	359.56	10,284.09	1,883.99	200.48	1,882.39	0.00	0.00	0.00
12,300.00	90.29	359.56	10,283.59	1,983.98	199.71	1,982.39	0.00	0.00	0.00
12,400.00	90.29	359.56	10,283.09	2,083.98	198.94	2,082.39	0.00	0.00	0.00
12,500.00	90.29	359.56	10,282.59	2,183.97	198.18	2,182.39	0.00	0.00	0.00
12,600.00	90.29	359.56	10,282.09	2,283.97	197.41	2,282.39	0.00	0.00	0.00
12,700.00	90.29	359.56	10,281.59	2,383.96	196.64	2,382.38	0.00	0.00	0.00
12,800.00	90.29	359.56	10,281.09	2,483.96	195.87	2,482.38	0.00	0.00	0.00
12,900.00	90.29	359.56	10,280.59	2,583.96	195.10	2,582.38	0.00	0.00	0.00
13,000.00	90.29	359.56	10,280.09	2,683.95	194.33	2,682.38	0.00	0.00	0.00
13,100.00	90.29	359.56	10,279.59	2,783.95	193.56	2,782.38	0.00	0.00	0.00
13,200.00	90.29	359.56	10,279.09	2,883.94	192.79	2,882.38	0.00	0.00	0.00
13,300.00	90.29	359.56	10,278.59	2,983.94	192.03	2,982.38	0.00	0.00	0.00
13,400.00	90.29	359.56	10,278.09	3,083.94	191.26	3,082.38	0.00	0.00	0.00
13,500.00	90.29	359.56	10,277.59	3,183.93	190.49	3,182.37	0.00	0.00	0.00
13,600.00	90.29	359.56	10,277.09	3,283.93	189.72	3,282.37	0.00	0.00	0.00
13,700.00	90.29	359.56	10,276.59	3,383.92	188.95	3,382.37	0.00	0.00	0.00
13,800.00	90.29	359.56	10,276.09	3,483.92	188.18	3,482.37	0.00	0.00	0.00
13,900.00	90.29	359.56	10,275.59	3,583.91	187.41	3,582.37	0.00	0.00	0.00
14,000.00	90.29	359.56	10,275.09	3,683.91	186.64	3,682.37	0.00	0.00	0.00
14,100.00	90.29	359.56	10,274.59	3,783.91	185.87	3,782.37	0.00	0.00	0.00
14,117.75	90.29	359.56	10,274.50	3,801.65	185.74	3,800.12	0.00	0.00	0.00
Begin 2.00°/100' Drop									
14,132.13	90.00	359.56	10,274.46	3,816.03	185.63	3,814.49	2.00	-2.00	0.00
Hold 90.00° Inc									
14,200.00	90.00	359.56	10,274.47	3,883.90	185.11	3,882.37	0.00	0.00	0.00
14,300.00	90.00	359.56	10,274.47	3,983.90	184.34	3,982.37	0.00	0.00	0.00



Phoenix Technology Services

Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Bobtail 8605 26-23 State Com 2H
Company:	BTA Oil Producers, LLC	TVD Reference:	RKB @ 3699.50usft (Patterson 566)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3699.50usft (Patterson 566)
Site:	Bobtail 8605	North Reference:	Grid
Well:	Bobtail 8605 26-23 State Com 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 02-24-25		

Planned 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)
14,400.00	90.00	359.56	10,274.47	4,083.90	183.57	4,082.37	0.00	0.00	0.00
14,500.00	90.00	359.56	10,274.47	4,183.89	182.80	4,182.37	0.00	0.00	0.00
14,600.00	90.00	359.56	10,274.47	4,283.89	182.03	4,282.37	0.00	0.00	0.00
14,700.00	90.00	359.56	10,274.47	4,383.89	181.26	4,382.37	0.00	0.00	0.00
14,800.00	90.00	359.56	10,274.48	4,483.88	180.49	4,482.37	0.00	0.00	0.00
14,900.00	90.00	359.56	10,274.48	4,583.88	179.72	4,582.37	0.00	0.00	0.00
15,000.00	90.00	359.56	10,274.48	4,683.88	178.95	4,682.37	0.00	0.00	0.00
15,100.00	90.00	359.56	10,274.48	4,783.88	178.18	4,782.37	0.00	0.00	0.00
15,200.00	90.00	359.56	10,274.48	4,883.87	177.42	4,882.37	0.00	0.00	0.00
15,300.00	90.00	359.56	10,274.49	4,983.87	176.65	4,982.37	0.00	0.00	0.00
15,400.00	90.00	359.56	10,274.49	5,083.87	175.88	5,082.37	0.00	0.00	0.00
15,500.00	90.00	359.56	10,274.49	5,183.86	175.11	5,182.37	0.00	0.00	0.00
15,600.00	90.00	359.56	10,274.49	5,283.86	174.34	5,282.37	0.00	0.00	0.00
15,700.00	90.00	359.56	10,274.49	5,383.86	173.57	5,382.37	0.00	0.00	0.00
15,800.00	90.00	359.56	10,274.49	5,483.86	172.80	5,482.37	0.00	0.00	0.00
15,900.00	90.00	359.56	10,274.50	5,583.85	172.03	5,582.37	0.00	0.00	0.00
16,000.00	90.00	359.56	10,274.50	5,683.85	171.26	5,682.37	0.00	0.00	0.00
16,100.00	90.00	359.56	10,274.50	5,783.85	170.49	5,782.37	0.00	0.00	0.00
16,117.76	90.00	359.56	10,274.50	5,801.60	170.36	5,800.12	0.00	0.00	0.00
Begin 2.00°/100' Drop									
16,132.06	89.71	359.56	10,274.54	5,815.90	170.25	5,814.42	2.00	-2.00	0.00
Hold 89.71° Inc									
16,200.00	89.71	359.56	10,274.88	5,883.84	169.73	5,882.37	0.00	0.00	0.00
16,300.00	89.71	359.56	10,275.38	5,983.84	168.96	5,982.36	0.00	0.00	0.00
16,400.00	89.71	359.56	10,275.88	6,083.83	168.19	6,082.36	0.00	0.00	0.00
16,500.00	89.71	359.56	10,276.38	6,183.83	167.42	6,182.36	0.00	0.00	0.00
16,600.00	89.71	359.56	10,276.88	6,283.83	166.65	6,282.36	0.00	0.00	0.00
16,700.00	89.71	359.56	10,277.38	6,383.82	165.88	6,382.36	0.00	0.00	0.00
16,800.00	89.71	359.56	10,277.88	6,483.82	165.11	6,482.36	0.00	0.00	0.00
16,900.00	89.71	359.56	10,278.38	6,583.81	164.34	6,582.36	0.00	0.00	0.00
17,000.00	89.71	359.56	10,278.88	6,683.81	163.57	6,682.36	0.00	0.00	0.00
17,100.00	89.71	359.56	10,279.38	6,783.80	162.80	6,782.35	0.00	0.00	0.00
17,200.00	89.71	359.56	10,279.89	6,883.80	162.04	6,882.35	0.00	0.00	0.00
17,300.00	89.71	359.56	10,280.39	6,983.80	161.27	6,982.35	0.00	0.00	0.00
17,400.00	89.71	359.56	10,280.89	7,083.79	160.50	7,082.35	0.00	0.00	0.00
17,500.00	89.71	359.56	10,281.39	7,183.79	159.73	7,182.35	0.00	0.00	0.00
17,600.00	89.71	359.56	10,281.89	7,283.78	158.96	7,282.35	0.00	0.00	0.00
17,700.00	89.71	359.56	10,282.39	7,383.78	158.19	7,382.35	0.00	0.00	0.00
17,800.00	89.71	359.56	10,282.89	7,483.78	157.42	7,482.35	0.00	0.00	0.00
17,900.00	89.71	359.56	10,283.39	7,583.77	156.65	7,582.34	0.00	0.00	0.00
18,000.00	89.71	359.56	10,283.89	7,683.77	155.88	7,682.34	0.00	0.00	0.00
18,100.00	89.71	359.56	10,284.39	7,783.76	155.11	7,782.34	0.00	0.00	0.00
18,200.00	89.71	359.56	10,284.89	7,883.76	154.35	7,882.34	0.00	0.00	0.00
18,300.00	89.71	359.56	10,285.40	7,983.75	153.58	7,982.34	0.00	0.00	0.00
18,400.00	89.71	359.56	10,285.90	8,083.75	152.81	8,082.34	0.00	0.00	0.00
18,500.00	89.71	359.56	10,286.40	8,183.75	152.04	8,182.34	0.00	0.00	0.00
18,600.00	89.71	359.56	10,286.90	8,283.74	151.27	8,282.34	0.00	0.00	0.00
18,700.00	89.71	359.56	10,287.40	8,383.74	150.50	8,382.33	0.00	0.00	0.00
18,800.00	89.71	359.56	10,287.90	8,483.73	149.73	8,482.33	0.00	0.00	0.00
18,900.00	89.71	359.56	10,288.40	8,583.73	148.96	8,582.33	0.00	0.00	0.00
19,000.00	89.71	359.56	10,288.90	8,683.72	148.19	8,682.33	0.00	0.00	0.00
19,100.00	89.71	359.56	10,289.40	8,783.72	147.42	8,782.33	0.00	0.00	0.00
19,200.00	89.71	359.56	10,289.90	8,883.72	146.66	8,882.33	0.00	0.00	0.00
19,300.00	89.71	359.56	10,290.40	8,983.71	145.89	8,982.33	0.00	0.00	0.00



Phoenix Technology Services

Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Bobtail 8605 26-23 State Com 2H
Company:	BTA Oil Producers, LLC	TVD Reference:	RKB @ 3699.50usft (Patterson 566)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3699.50usft (Patterson 566)
Site:	Bobtail 8605	North Reference:	Grid
Well:	Bobtail 8605 26-23 State Com 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 02-24-25		

Planned 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)	
19,400.00	89.71	359.56	10,290.90	9,083.71	145.12	9,082.33	0.00	0.00	0.00	
19,500.00	89.71	359.56	10,291.41	9,183.70	144.35	9,182.32	0.00	0.00	0.00	
19,600.00	89.71	359.56	10,291.91	9,283.70	143.58	9,282.32	0.00	0.00	0.00	
19,700.00	89.71	359.56	10,292.41	9,383.70	142.81	9,382.32	0.00	0.00	0.00	
19,800.00	89.71	359.56	10,292.91	9,483.69	142.04	9,482.32	0.00	0.00	0.00	
19,900.00	89.71	359.56	10,293.41	9,583.69	141.27	9,582.32	0.00	0.00	0.00	
20,000.00	89.71	359.56	10,293.91	9,683.68	140.50	9,682.32	0.00	0.00	0.00	
20,100.00	89.71	359.56	10,294.41	9,783.68	139.73	9,782.32	0.00	0.00	0.00	
20,117.81	89.71	359.56	10,294.50	9,801.48	139.60	9,800.12	0.00	0.00	0.00	
Begin 2.00°/100' Build										
20,132.40	90.00	359.56	10,294.54	9,816.08	139.49	9,814.72	2.00	2.00	0.00	
Hold 90.00° Inc										
20,200.00	90.00	359.56	10,294.53	9,883.67	138.97	9,882.32	0.00	0.00	0.00	
20,300.00	90.00	359.56	10,294.52	9,983.67	138.20	9,982.32	0.00	0.00	0.00	
20,400.00	90.00	359.56	10,294.51	10,083.67	137.43	10,082.32	0.00	0.00	0.00	
20,500.00	90.00	359.56	10,294.50	10,183.67	136.66	10,182.32	0.00	0.00	0.00	
20,549.02	90.00	359.56	10,294.50	10,232.68	136.28	10,231.34	0.00	0.00	0.00	
TD at 20549.02										



Phoenix Technology Services

Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Bobtail 8605 26-23 State Com 2H
Company:	BTA Oil Producers, LLC	TVD Reference:	RKB @ 3699.50usft (Patterson 566)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3699.50usft (Patterson 566)
Site:	Bobtail 8605	North Reference:	Grid
Well:	Bobtail 8605 26-23 State Com 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 02-24-25		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
KOP - BT 8605 26-23 - plan hits target center - Point	0.00	0.00	9,718.92	-248.22	216.88	560,301.22	822,494.63	2° 32' 13.258572 N 3° 25' 15.595248 W	
WP6 - BT 8605 26-23 - plan hits target center - Point	0.00	0.00	10,274.50	5,801.60	170.36	566,351.04	822,448.11	2° 33' 13.121310 N 3° 25' 15.533222 W	
WP4 - BT 8605 26-23 - plan hits target center - Point	0.00	0.00	10,274.50	3,801.65	185.74	564,351.09	822,463.49	2° 32' 53.331916 N 3° 25' 15.553739 W	
WP5 - BT 8605 26-23 - plan misses target center by 0.02usft at 15117.75usft MD (10274.48 TVD, 4801.62 N, 178.05 E) - Point	0.00	0.00	10,274.50	4,801.62	178.05	565,351.06	822,455.80	32° 33' 3.226566 N 3° 25' 15.543485 W	
WP7 - BT 8605 26-23 - plan misses target center by 0.03usft at 17117.76usft MD (10279.47 TVD, 6801.56 N, 162.67 E) - Point	0.00	0.00	10,279.50	6,801.56	162.67	567,351.00	822,440.42	2° 33' 23.015852 N 3° 25' 15.522952 W	
WP3 - BT 8605 26-23 - plan hits target center - Point	0.00	0.00	10,279.50	2,801.68	193.43	563,351.12	822,471.18	2° 32' 43.437262 N 3° 25' 15.563985 W	
WP2 - BT 8605 26-23 - plan hits target center - Point	0.00	0.00	10,284.50	1,801.71	201.12	562,351.15	822,478.87	2° 32' 33.542604 N 3° 25' 15.574222 W	
WP8 - BT 8605 26-23 - plan misses target center by 0.02usft at 18117.77usft MD (10284.48 TVD, 7801.53 N, 154.98 E) - Point	0.00	0.00	10,284.50	7,801.53	154.98	568,350.97	822,432.73	2° 33' 32.910489 N 3° 25' 15.512674 W	
WP9 - BT 8605 26-23 - plan misses target center by 0.01usft at 19117.78usft MD (10289.49 TVD, 8801.50 N, 147.29 E) - Point	0.00	0.00	10,289.50	8,801.50	147.29	569,350.94	822,425.04	2° 33' 42.805122 N 3° 25' 15.502387 W	
WP1 - BT 8605 26-23 - plan hits target center - Point	0.00	0.00	10,289.50	801.74	208.81	561,351.18	822,486.56	2° 32' 23.647941 N 3° 25' 15.584452 W	
BHL - BT 8605 26-23 - plan hits target center - Point	0.00	0.00	10,294.50	10,232.68	136.28	570,782.12	822,414.03	2° 33' 56.966544 N 3° 25' 15.487680 W	
WP10 - BT 8605 26-2 - plan hits target center - Point	0.00	0.00	10,294.50	9,801.48	139.60	570,350.92	822,417.35	2° 33' 52.699849 N 3° 25' 15.492092 W	
FTP - BT 8605 26-23 - plan misses target center by 205.15usft at 10206.66usft MD (10135.21 TVD, -68.95 N, 215.50 E) - Point	0.00	0.00	10,294.50	-198.22	216.50	560,351.21	822,494.25	2° 32' 13.753284 N 3° 25' 15.594636 W	
LTP - BT 8605 26-23 - plan misses target center by 0.01usft at 20499.02usft MD (10294.50 TVD, 10182.68 N, 136.66 E) - Point	0.00	0.00	10,294.50	10,182.68	136.67	570,732.12	822,414.42	2° 33' 56.471796 N 3° 25' 15.488148 W	



Phoenix Technology Services

Planning Report



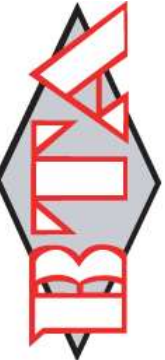
Database:	USAEDMDB	Local Co-ordinate Reference:	Well Bobtail 8605 26-23 State Com 2H
Company:	BTA Oil Producers, LLC	TVD Reference:	RKB @ 3699.50usft (Patterson 566)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3699.50usft (Patterson 566)
Site:	Bobtail 8605	North Reference:	Grid
Well:	Bobtail 8605 26-23 State Com 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 02-24-25		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,954.50	1,954.50	RUSLTER			
2,219.72	2,219.50	TOP SALT			
3,562.11	3,549.50	BASE SALT			
5,721.25	5,699.50	DELAWARE			
5,821.25	5,799.50	BELL CANYON			
6,221.25	6,199.50	CHERRY CANYON			
6,421.25	6,399.50	BRUSHY CANYON			
8,021.25	7,999.50	BONESPRING LIME			
9,401.25	9,379.50	FIRST BONESPRING SAND			
10,057.09	10,019.50	SECOND BONESPRING SAND			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,000.00	2,000.00	0.00	0.00	KOP, Begin 2.00°/100' Build
2,400.00	2,398.70	-21.00	18.34	Hold 8.00° Inc at 138.86° Azm
4,367.77	4,347.32	-227.23	198.53	Begin 2.00°/100' Drop
4,767.77	4,746.02	-248.22	216.88	Begin Vertical Hold
9,740.67	9,718.92	-248.22	216.88	KOP2, Begin 10.00°/100' Build
10,643.53	10,291.87	327.58	212.45	LP, Hold 90.29° Inc at 359.56° Azm
14,117.75	10,274.50	3,801.65	185.74	Begin 2.00°/100' Drop
14,132.13	10,274.46	3,816.03	185.63	Hold 90.00° Inc
16,117.76	10,274.50	5,801.60	170.36	Begin 2.00°/100' Drop
16,132.06	10,274.54	5,815.90	170.25	Hold 89.71° Inc
20,117.81	10,294.50	9,801.48	139.60	Begin 2.00°/100' Build
20,132.40	10,294.54	9,816.08	139.49	Hold 90.00° Inc
20,549.02	10,294.50	10,232.68	136.28	TD at 20549.02



Project: Lea County, NM (NAD83 NME)
Site: Bobtail 8605
Well: Bobtail 8605 26-23 State Com 2H
Wellbore: OH
Design: Plan 1 02-24-25
Rig: Patterson 566



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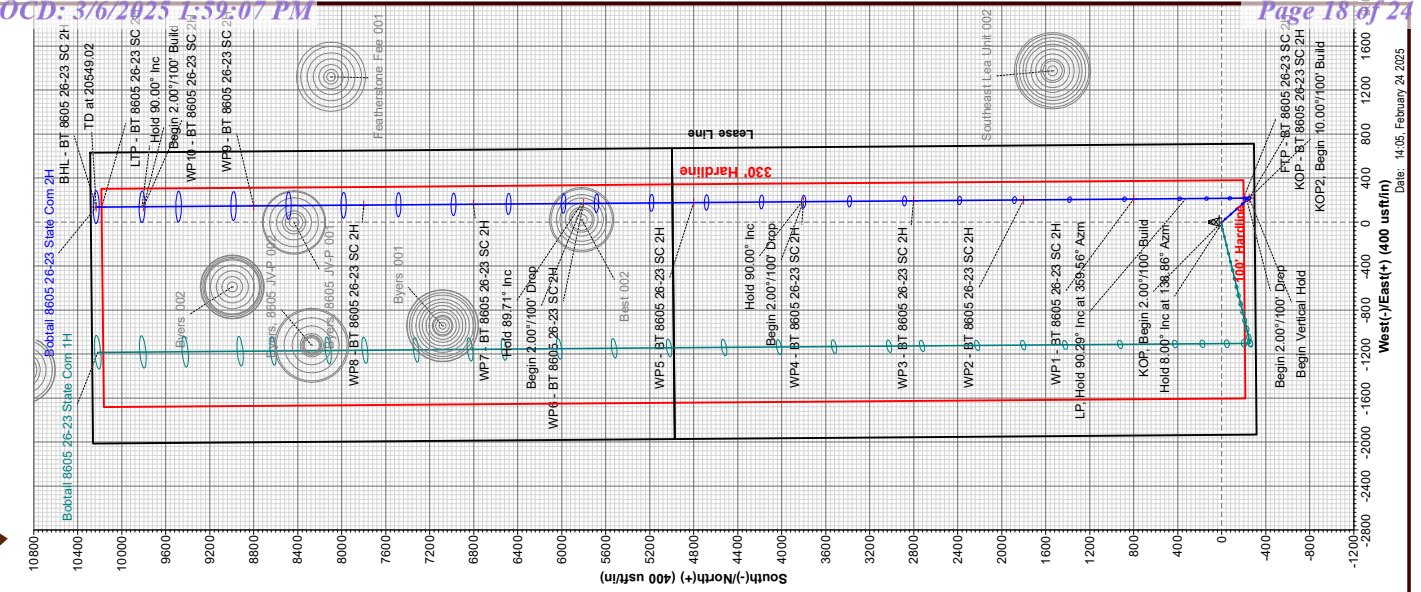
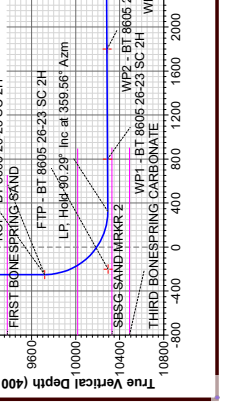
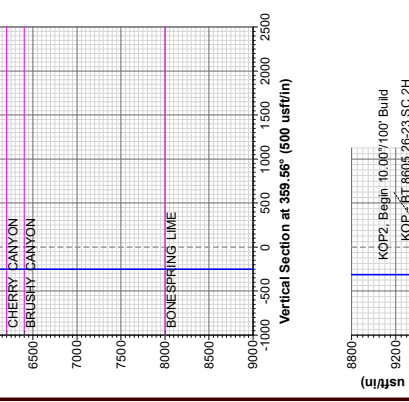
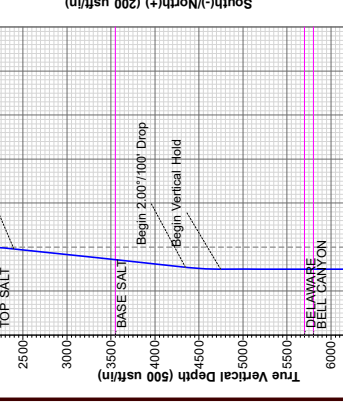
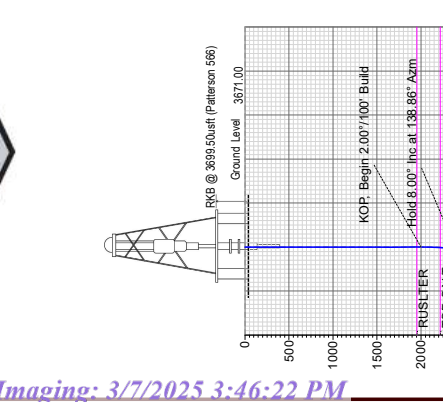
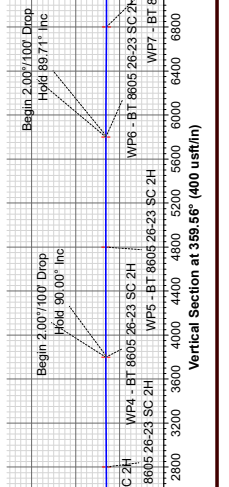
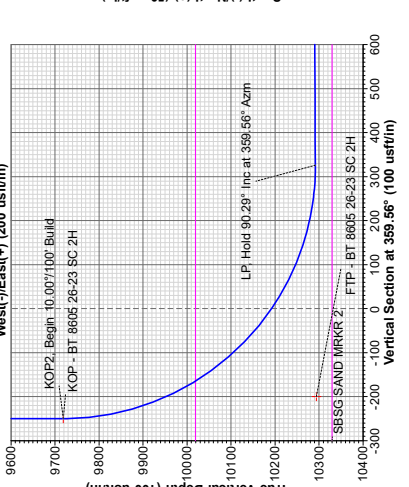
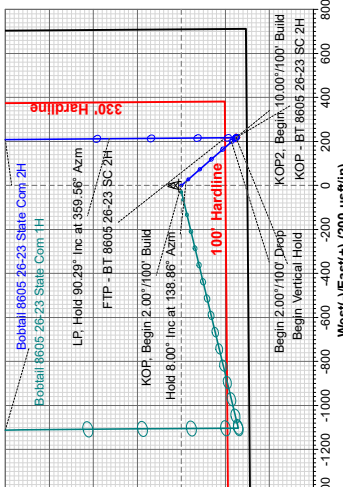
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True North: 0.48°
Magnetic North: 5.64°
Strength: 47429.5nT
Dip Angle: 80.27°
Date: 14-05-2025
Model: MVHD

PHOENIX

TECHNOLOGY SERVICES

WELL DETAILS									
Ground Level		Easting		Northing		Latitude		Longitude	
3671.00		822277.75		560549.44		32° 32' 15.732924 N		103° 25' 18.103656 W	
SECTION DETAILS									
Sec	MD	Inc	+N-S	+E-W	North	East	Target	Vsct	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	Dleg	0.00	KOP - Begin 2.00°/100° Build
2	2000.00	0.00	0.00	0.00	0.00	0.00	Tface	0.00	Hold 8.00° Inc at 138.86° Azm
3	2400.00	8.00	138.86	2398.70	-21.00	18.34	0.00	0.00	Begin 2.00°/100° Drop
4	4367.77	8.00	138.86	4347.32	-227.23	198.53	0.00	0.00	Begin Vertical Hold
5	4767.77	0.00	0.00	4746.02	-248.22	218.88	2.00	0.00	KOP2 - Begin 10.00°/100° Build
6	9740.67	0.00	0.00	9719.92	-248.22	218.88	0.00	0.00	LP - Hold 90.29° Inc at \$59.56° Azm
7	10643.53	90.29	359.56	10291.87	327.58	212.45	10.00	959.559	Begin 2.00°/100° Drop
8	14117.75	90.29	359.56	10274.50	3801.65	185.74	0.00	0.00	Hold 8.00° Inc at 138.86° Azm
9	14132.06	90.00	359.56	10274.50	3801.65	185.74	0.00	0.00	Begin 2.00°/100° Drop
10	16117.76	90.00	359.56	10274.50	3801.65	185.74	0.00	0.00	Hold 86.71° Inc
11	16132.06	89.71	359.56	10274.50	3815.90	170.26	2.00	-180.000	Begin 2.00°/100° Build
12	20117.81	89.71	359.56	10294.50	3801.68	139.60	0.00	0.00	Hold 90.00° Inc
13	20132.40	90.00	359.56	10294.54	3816.08	139.49	2.00	-0.068	TD at 20549.92
14	20549.02	90.00	359.56	10294.50	10232.68	138.28	0.00	0.00	

Map System: US State Plane 1983
Datum: North American Datum 1983
Elevation: GCS 1980
Zone Name: New Mexico Eastern Zone
Local Origin: Well Bobtail 8605 26-23 State Com 2H, Grid North
Latitude: 32° 32' 15.732924 N
Longitude: 103° 25' 18.103656 W
Grid East: 822277.75
Grid North: 560549.44
Scale Factor: 1.000
Geomagnetic Model: MVHD
Sample Date: 19-Apr-25
Magnetic Declination: 6.129°
Dip Angle from Horizontal: 80.27°
Magnetic Field Strength: 47429.5264775nT
To convert a Magnetic Direction to a Grid Direction, Add 5.638°
To convert a Magnetic Direction to a True Direction, Add 6.129° East
To convert a True Direction to a Grid Direction, Subtract 0.490°



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

Submit Electronically
Via E-permitting

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description

Effective May 25, 2021

I. Operator: BTA Oil Producers, LLC **OGRID:** 260297 **Date:** 2 / 25 / 2025

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
BOBTAIL 8605 26-23		P-26-20S-35E	300 FSL, 710 FEL	+/- 800	+/- 2000	+/- 1200
STATE COM 2H						

IV. Central Delivery Point Name: BOBTAIL CTB [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
BOBTAIL 8605 26-23		3/10/2025	3/30/2025	4/13/2025	5/4/2025	6/3/2025
STATE COM 2H						

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan**EFFECTIVE APRIL 1, 2022**

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system.

If Operator checks this box, Operator will select one of the following:

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) power generation on lease;
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

Section 4 - Notices

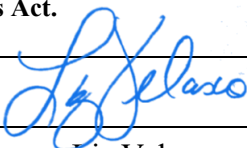
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature:	
Printed Name:	Liz Velasco
Title:	Regulatory Analyst
E-mail Address:	lvelasco@btaoil.com
Date:	3/6/2025
Phone:	432-682-3753
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)	
Approved By:	
Title:	
Approval Date:	
Conditions of Approval:	

VI. Separation Equipment: Attach a complete description of how Operator will size separation equipment to optimize gas capture.

- Separation equipment will be sized to provide adequate separation for anticipated rates.
- Separation equipment will allow for adequate retention time to allow gas and liquids to separate.
- Separation equipment will utilize air power pneumatic dump controllers and ventless pressure control valves.
- Separation equipment will separate all three phases (Oil, Water, and Gas).
- Storage tanks will utilize blanket gas and vapor recovery systems to moderate tank pressures and capture gas from storage tanks.
- Collection systems are appropriately sized to handle facility production rates on all (3) phases.
- Ancillary equipment and metering is selected to be serviced without flow interruptions or the need to release gas from the well.

VII. Operational Practices: Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F 19.15.27.8 NMAC.

Drilling Operations

- All flare stacks will be properly sized. The flare stacks will be located at a minimum 100' from the nearest surface hole location on the pad.
- All natural gas produced during drilling operations will be flared, unless there is an equipment malfunction and/or to avoid risk of an immediate and substantial adverse impact on safety and the environment, at which point the gas will be vented.

Completions/Recompletions Operations

- New wells will not be flowed back until they are connected to a properly sized gathering system.
- The facility will be built/sized for maximum anticipated flowrates and pressures to minimize waste.
- For flowback operations, multiple stages of separation will be used as well as excess VRU and blowers to make sure waste is minimized off the storage tanks and facility.
- During initial flowback, the well stream will be routed to separation equipment.
- At an existing facility, when necessary, post separation natural gas will be flared until it meets pipeline specifications, at which point it will be turned into a collection system.
- At a new facility, post separation natural gas will be vented until storage tanks can safely function, at which point it will be flared until it meets pipeline spec.

Production Operations

- Weekly AVOs will be performed on all facilities that produce more than 60 MCFD.
- All facilities will be inspected with an Optical Gas Imaging Thermographer Camera quarterly to find and repair fugitive emissions.
- Leaking thief hatches and pressure safety valves found during AVOs will be cleaned and properly re-sealed.

- All flares will be equipped with continuous pilot system and air assist systems that will ensure the flare burns efficiently.
- After a well is stabilized from liquid unloading, the well will be turned back into the collection system.
- All gas lift systems will be optimized to limit the amount of waste.
- All tanks will have automatic gauging equipment installed.

Performance Standards

- Production equipment will be designed to handle maximum anticipated rates and pressure.
- All flared gas will be combusted in a flare stack that is properly sized and designed to ensure proper combustion.
- All gas will have multiple points of separation to ensure no liquids enter flares, combustors, or gas sales line.
- Weekly AVOs will be performed on all wells and facilities that produce more than 60 MCFD.
- All OOOOa facilities will be filmed with an Optical Gas Imaging Thermographer camera once per month to check for fugitive emissions.

Measurement & Estimation

- All volume that is flared and vented that is not measured will be estimated.
- All measurement equipment for flared volumes will conform to API 14.10.
- All meters will be calibrated at regular intervals according to meter manufacturer recommendations.
- When metering is not practical due to low pressure/low rate, the vented or flared volume will be estimated.

VIII. Best Management Practices: Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

- During downhole well maintenance, BTA will use best management practices to vent as minimally as possible.
- Prior to the commencement of any maintenance, the tank or vessel will be isolated from the rest of the facilities.
- All valves upstream of the equipment will be closed and isolated.
- After equipment has been isolated, the equipment will be blown down to as low a pressure as possible into the collection system.
- If the equipment being maintained cannot be relieved into the collection system, it shall be released to a tank where the vapor can either be captured or combusted if possible.
- After downhole well maintenance, natural gas will be flared until it reaches pipeline specification.