

Submit a 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

Form C-103
 Revised July 18, 2013

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

WELL API NO. 30-025-50932	
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name Eric Cartman 6 State Com	
8. Well Number 501H	
9. OGRID Number 372165	
10. Pool name or Wildcat Ojo Chiso; Bone Spring	

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.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	
2. Name of Operator CENTENNIAL RESOURCE PRODUCTION, LLC	
3. Address of Operator 1001 17TH ST SUITE 1800 DENVER, CO 80202	
4. Well Location Unit Letter M : 350 feet from the South line and 323 feet from the West line Section 6 Township 22S Range 35E NMPM County Lea	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3622 GL	

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 ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☒	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: ☐	

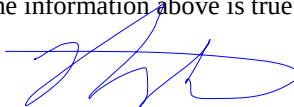
13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Centennial Resource Production, LLC respectfully requests to move the SHL from 390 FSL & 263 FWL to 395 FSL & 263 FWL. Updated directional survey and well plat 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  TITLE **Sr. Regulatory Analyst** DATE **1/13/22**

Type or print name **Meghan Twele** E-mail address **meghan.twele@permianres.com** PHONE: **720-499-1531**

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-50932	² Pool Code 96553	³ Pool Name Ojo Chiso; Bone Spring
⁴ Property Code 332350	⁵ Property Name ERIC CARTMAN 6 STATE COM	⁶ Well Number 501H
⁷ OGRID No. 372165	⁸ Operator Name CENTENNIAL RESOURCE PRODUCTION, LLC	⁹ Elevation 3622.2'

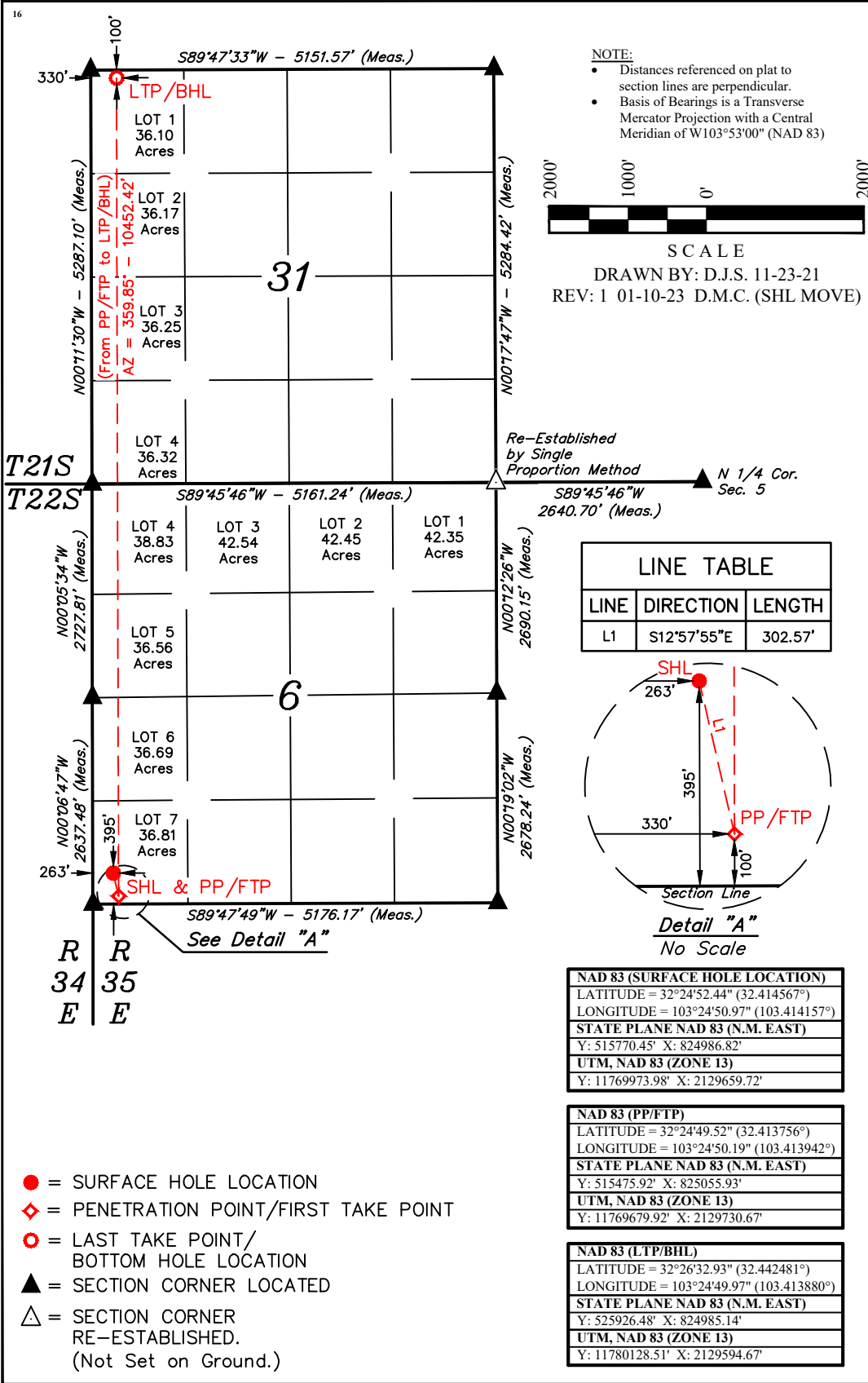
¹⁰ Surface Location

UL or lot no. 7	Section 6	Township 22S	Range 35E	Lot Idn	Feet from the 395	North/South line SOUTH	Feet from the 263	East/West line WEST	County LEA
--------------------	--------------	-----------------	--------------	---------	----------------------	---------------------------	----------------------	------------------------	---------------

¹¹ Bottom Hole Location If Different From Surface

UL or lot no. 1	Section 31	Township 21S	Range 35E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 330	East/West line WEST	County LEA
¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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.



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

[Signature] 1/12/23
Signature Date

Meghan Twele
Printed Name

meghan.twele@permianres.com
E-mail Address

¹⁸ SURVEYOR CERTIFICATION

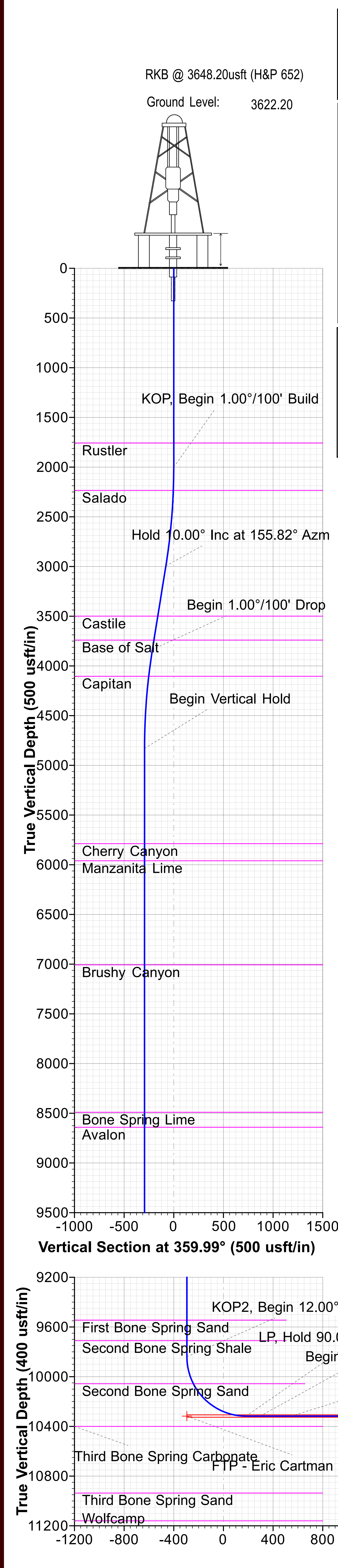
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

November 8, 2021
Date of Survey

Signature and Seal of Professional Surveyor:

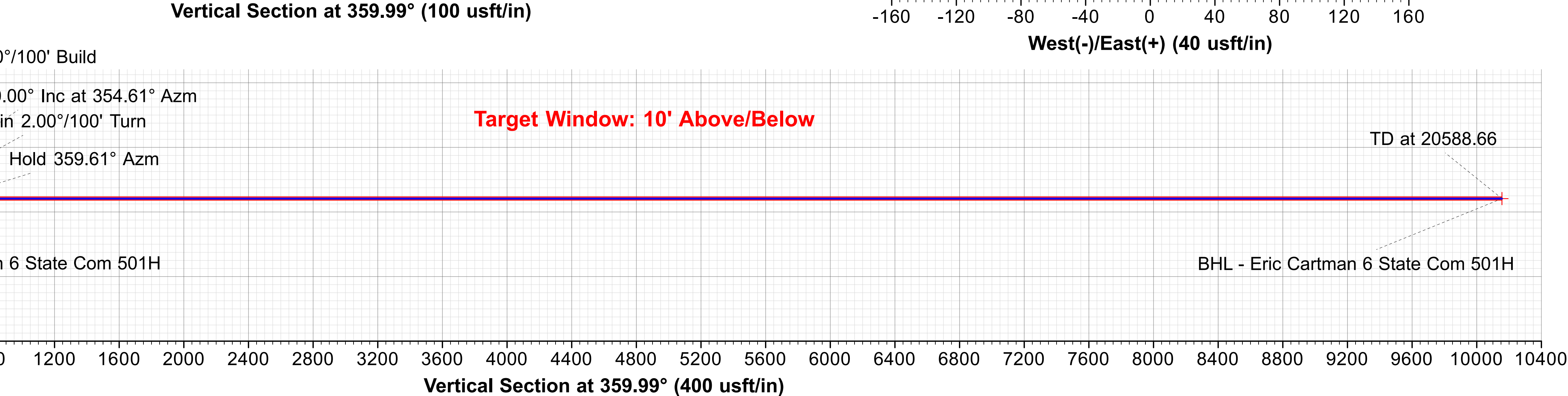
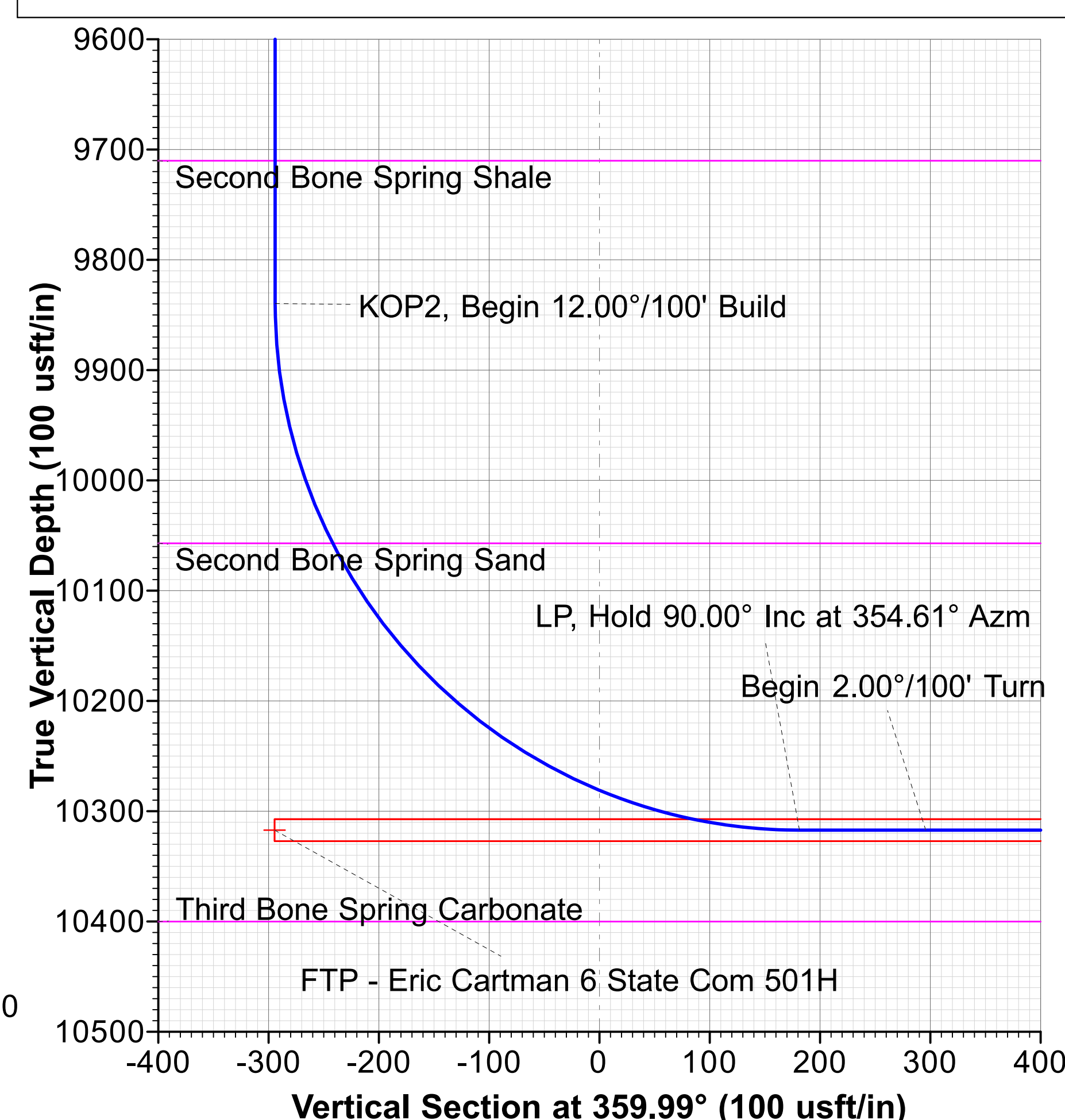
[Signature]
23782
01-10-23
PROFESSIONAL SURVEYOR

Certificate Number:



WELL DETAILS											
		+N/-S	+E/-W	Northing	Ground Level:	Easting	Latitude	Longitude			
		0.00	0.00	515770.45		3622.20 824986.82	32° 24' 52.441678 N	103° 24' 50.966196 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 1.00°/100' Build
3	3000.36	10.00	155.82	2995.29	-79.47	35.68	1.00	155.823	-79.47		Hold 10.00° Inc at 155.82° Azm
4	3852.57	10.00	155.82	3834.71	-214.55	96.32	1.00	0.000	-214.56		Begin 1.00°/100' Drop
5	4853.11	0.00	0.00	4830.00	-294.02	131.99	1.00	180.000	-294.04		Begin Vertical Hold
6	9862.84	0.00	0.00	9839.74	-294.02	131.99	0.00	0.000	-294.04		KOP2, Begin 12.00°/100' Build
7	10612.84	90.00	354.61	10317.20	181.34	87.14	12.00	354.610	181.32		LP, Hold 90.00° Inc at 354.61° Azm
8	10727.84	90.00	354.61	10317.20	295.83	76.34	0.00	0.000	295.82		Begin 2.00°/100' Turn
9	10977.84	90.00	359.61	10317.20	545.43	63.74	2.00	90.000	545.42		Hold 359.61° Azm
10	20588.66	90.00	359.61	10317.20	10156.03	-1.68	0.00	0.000	10156.03	BHL - Eric Cartman 6 State Com 501H	TD at 20588.66
DESIGN TARGET DETAILS											
Name					TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
BHL - Eric Cartman 6 State Com 501H					10317.20	10156.03	-1.68	525926.48	824985.14	32° 26' 32.930313 N	103° 24' 49.966250 W
FTP - Eric Cartman 6 State Com 501H					10317.20	-294.53	69.11	515475.92	825055.93	32° 24' 49.521573 N	103° 24' 50.189606 W

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
1758.20	1758.20	Rustler
2234.20	2234.27	Salado
3499.20	3512.05	Castile
3740.20	3756.77	Base of Salt
4104.20	4125.35	Capitan
5788.20	5811.31	Cherry Canyon
5960.20	5983.31	Manzanita Lime
7007.20	7030.31	Brushy Canyon
8490.20	8513.31	Bone Spring Lime
8641.20	8664.31	Avalon
9545.20	9568.31	First Bone Spring Sand
9710.20	9733.31	Second Bone Spring Shale
10057.20	10088.63	Second Bone Spring Sand



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

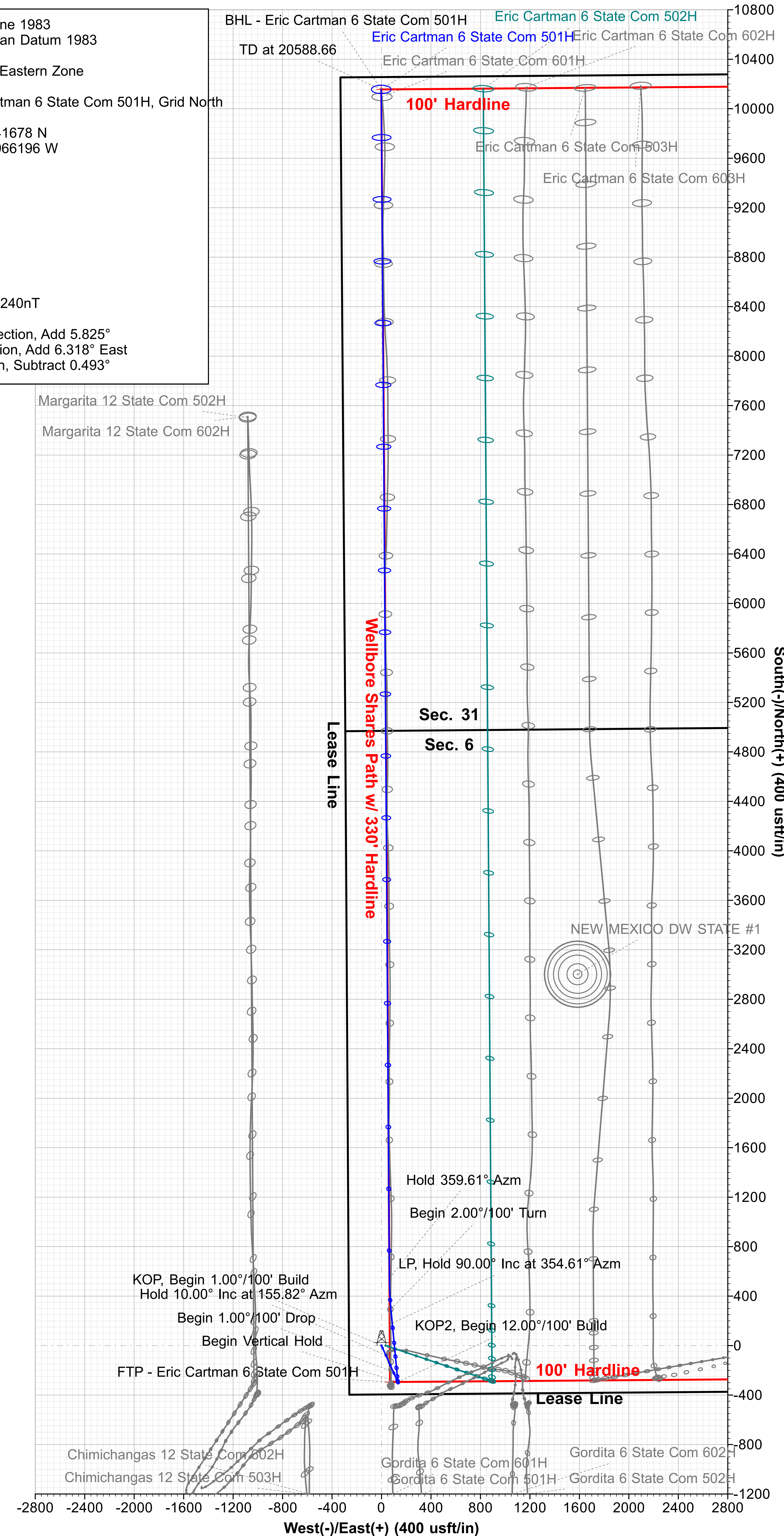
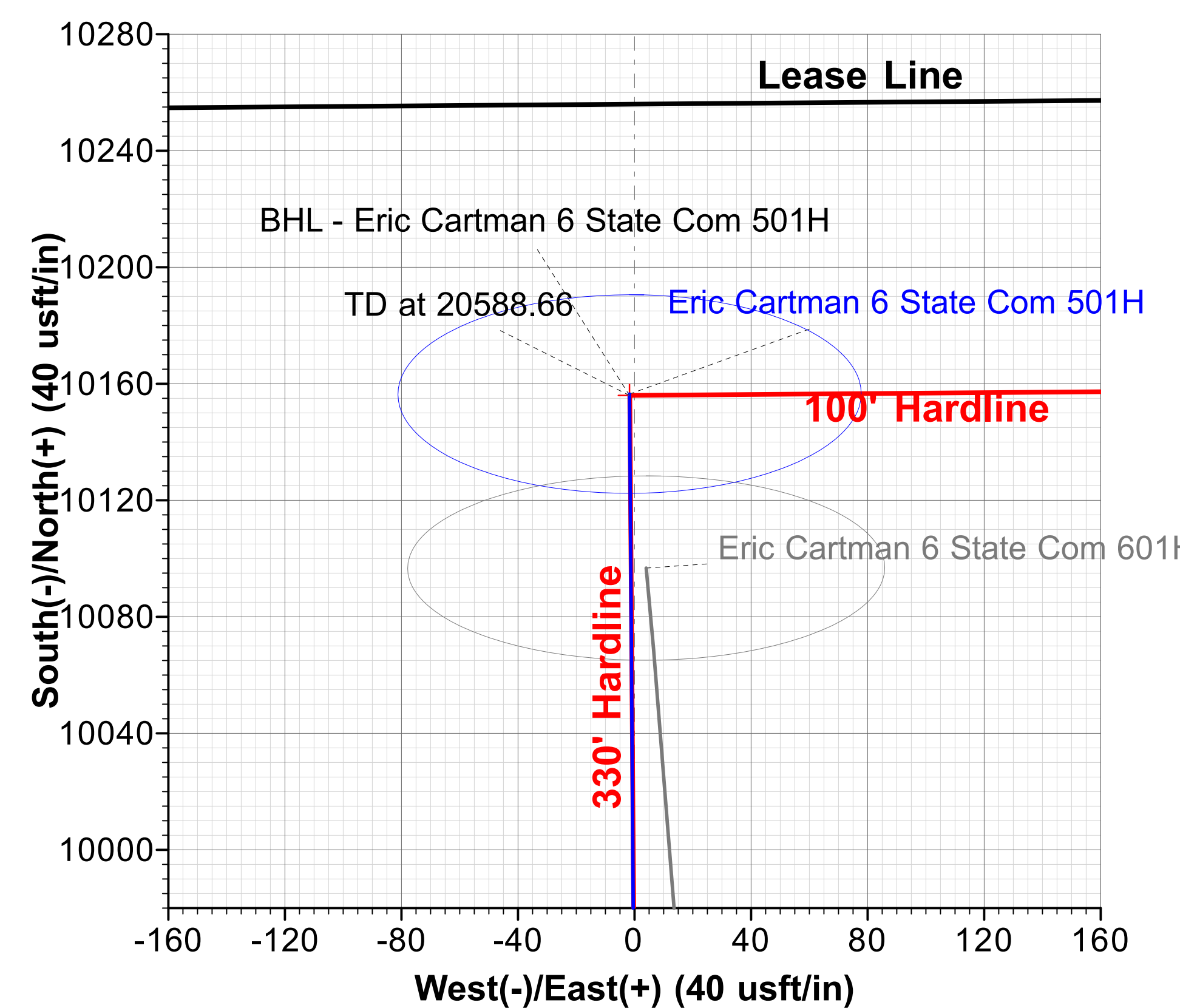
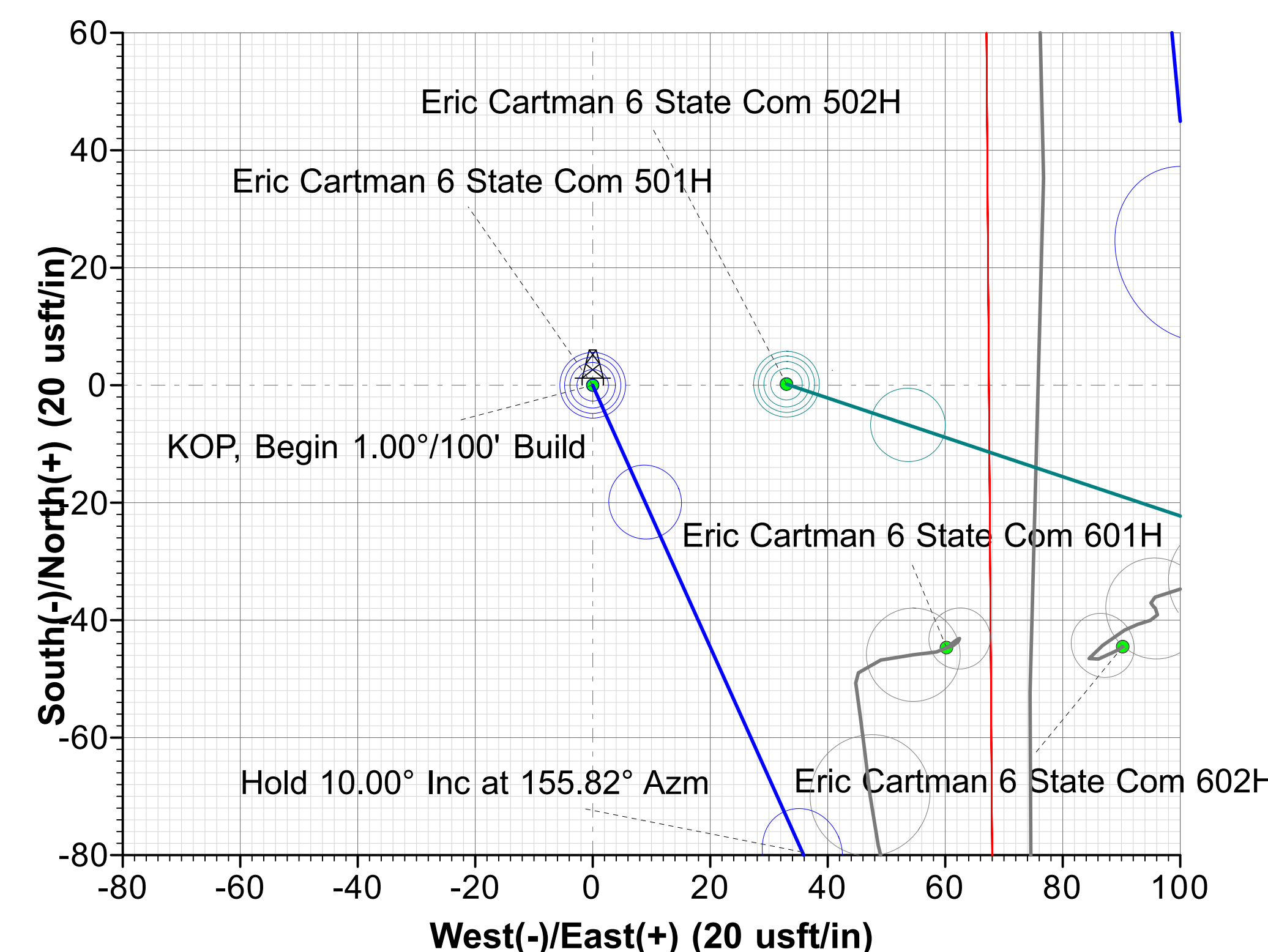
Local Origin: Well Eric Cartman 6 State Com 501H, Grid No

Latitude: 32° 24' 52.441678 N
Longitude: 103° 24' 50.966196 W

Grid East: 824986.82
Grid North: 515770.45
Scale Factor: 1.000

Geomagnetic Model: MVHD
Sample Date: 13-Mar-23
Magnetic Declination: 6.318°
Dip Angle from Horizontal: 60.071°
Magnetic Field Strength: 47683.05040240nT

To convert a Magnetic Direction to a Grid Direction, Add 5.825°
To convert a Magnetic Direction to a True Direction, Add 6.318° East
To convert a True Direction to a Grid Direction, Subtract 0.493°





Permian Resources

Lea County, NM (NAD83 NME)

Eric Cartman

Eric Cartman 6 State Com 501H

OH

Plan: Plan 2 01-13-23

Standard Planning Report

13 January, 2023

PERMIAN
RESOURCES



Planning Report

PERMIAN

RESOURCES

Database:	USA Compass	Local Co-ordinate Reference:	Well Eric Cartman 6 State Com 501H
Company:	Permian Resources	TVD Reference:	RKB @ 3648.20usft (H&P 652)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3648.20usft (H&P 652)
Site:	Eric Cartman	North Reference:	Grid
Well:	Eric Cartman 6 State Com 501H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 01-13-23		

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		Eric Cartman			
Site Position:		Northing:	515,770.45 usft	Latitude:	32° 24' 52.441678 N
From:	Map	Easting:	824,986.82 usft	Longitude:	103° 24' 50.966196 W
Position Uncertainty:	1.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.493

Well	Eric Cartman 6 State Com 501H					
Well Position	+N/-S	0.00 usft	Northing:	515,770.45 usft	Latitude:	32° 24' 52.441678 N
	+E/-W	0.00 usft	Easting:	824,986.82 usft	Longitude:	103° 24' 50.966196 W
Position Uncertainty	1.00 usft		Wellhead Elevation:		Ground Level:	3,622.20 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	3/13/2023	6.318	60.071	47,683.05040241

Design	Plan 2 01-13-23				
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	359.99	

Plan Survey Tool Program	Date	1/13/2023			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	20,588.66	Plan 2 01-13-23 (OH)	MWD+IFR1+MS	
				OWSG MWD + IFR1 + Mult	



Planning Report

PERMIAN

RESOURCES

Database:	USA Compass	Local Co-ordinate Reference:	Well Eric Cartman 6 State Com 501H
Company:	Permian Resources	TVD Reference:	RKB @ 3648.20usft (H&P 652)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3648.20usft (H&P 652)
Site:	Eric Cartman	North Reference:	Grid
Well:	Eric Cartman 6 State Com 501H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 01-13-23		

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	
3,000.36	10.00	155.82	2,995.29	-79.47	35.68	1.00	1.00	0.00	155.823	
3,852.75	10.00	155.82	3,834.71	-214.55	96.32	0.00	0.00	0.00	0.000	
4,853.11	0.00	0.00	4,830.00	-294.02	131.99	1.00	-1.00	0.00	180.000	
9,862.84	0.00	0.00	9,839.74	-294.02	131.99	0.00	0.00	0.00	0.000	
10,612.84	90.00	354.61	10,317.20	181.34	87.14	12.00	12.00	0.00	354.610	
10,727.84	90.00	354.61	10,317.20	295.83	76.34	0.00	0.00	0.00	0.000	
10,977.84	90.00	359.61	10,317.20	545.43	63.74	2.00	2.00	0.00	90.000	
20,588.66	90.00	359.61	10,317.20	10,156.03	-1.68	0.00	0.00	0.00	0.000	BHL - Eric Cartman



Planning Report

PERMIAN

RESOURCES

Database:	USA Compass	Local Co-ordinate Reference:	Well Eric Cartman 6 State Com 501H
Company:	Permian Resources	TVD Reference:	RKB @ 3648.20usft (H&P 652)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3648.20usft (H&P 652)
Site:	Eric Cartman	North Reference:	Grid
Well:	Eric Cartman 6 State Com 501H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 01-13-23		

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
1,758.20	0.00	0.00	1,758.20	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP, Begin 1.00°/100' Build									
2,100.00	1.00	155.82	2,099.99	-0.80	0.36	-0.80	1.00	1.00	0.00
2,200.00	2.00	155.82	2,199.96	-3.18	1.43	-3.18	1.00	1.00	0.00
2,234.27	2.34	155.82	2,234.20	-4.37	1.96	-4.37	1.00	1.00	0.00
Salado									
2,300.00	3.00	155.82	2,299.86	-7.16	3.22	-7.16	1.00	1.00	0.00
2,400.00	4.00	155.82	2,399.68	-12.73	5.72	-12.73	1.00	1.00	0.00
2,500.00	5.00	155.82	2,499.37	-19.89	8.93	-19.89	1.00	1.00	0.00
2,600.00	6.00	155.82	2,598.90	-28.63	12.85	-28.64	1.00	1.00	0.00
2,700.00	7.00	155.82	2,698.26	-38.96	17.49	-38.96	1.00	1.00	0.00
2,800.00	8.00	155.82	2,797.40	-50.87	22.84	-50.87	1.00	1.00	0.00
2,900.00	9.00	155.82	2,896.30	-64.35	28.89	-64.36	1.00	1.00	0.00
3,000.00	10.00	155.82	2,994.93	-79.41	35.65	-79.42	1.00	1.00	0.00
3,000.36	10.00	155.82	2,995.29	-79.47	35.68	-79.47	1.00	1.00	0.00
Hold 10.00° Inc at 155.82° Azm									
3,100.00	10.00	155.82	3,093.41	-95.26	42.76	-95.26	0.00	0.00	0.00
3,200.00	10.00	155.82	3,191.89	-111.10	49.88	-111.11	0.00	0.00	0.00
3,300.00	10.00	155.82	3,290.37	-126.95	56.99	-126.96	0.00	0.00	0.00
3,400.00	10.00	155.82	3,388.85	-142.80	64.11	-142.81	0.00	0.00	0.00
3,500.00	10.00	155.82	3,487.33	-158.65	71.22	-158.66	0.00	0.00	0.00
3,512.05	10.00	155.82	3,499.20	-160.56	72.08	-160.57	0.00	0.00	0.00
Castile									
3,600.00	10.00	155.82	3,585.81	-174.49	78.34	-174.51	0.00	0.00	0.00
3,700.00	10.00	155.82	3,684.29	-190.34	85.45	-190.36	0.00	0.00	0.00
3,756.77	10.00	155.82	3,740.20	-199.34	89.49	-199.35	0.00	0.00	0.00
Base of Salt									
3,800.00	10.00	155.82	3,782.77	-206.19	92.56	-206.20	0.00	0.00	0.00
3,852.75	10.00	155.82	3,834.71	-214.55	96.32	-214.56	0.00	0.00	0.00
Begin 1.00°/100' Drop									
3,900.00	9.53	155.82	3,881.28	-221.86	99.60	-221.88	1.00	-1.00	0.00
4,000.00	8.53	155.82	3,980.04	-236.18	106.03	-236.20	1.00	-1.00	0.00
4,100.00	7.53	155.82	4,079.06	-248.93	111.75	-248.95	1.00	-1.00	0.00
4,125.35	7.28	155.82	4,104.20	-251.91	113.09	-251.93	1.00	-1.00	0.00
Capitan									
4,200.00	6.53	155.82	4,178.31	-260.09	116.76	-260.11	1.00	-1.00	0.00
4,300.00	5.53	155.82	4,277.75	-269.68	121.07	-269.70	1.00	-1.00	0.00
4,400.00	4.53	155.82	4,377.36	-277.68	124.66	-277.70	1.00	-1.00	0.00
4,500.00	3.53	155.82	4,477.12	-284.09	127.54	-284.11	1.00	-1.00	0.00
4,600.00	2.53	155.82	4,576.97	-288.92	129.70	-288.94	1.00	-1.00	0.00
4,700.00	1.53	155.82	4,676.91	-292.15	131.15	-292.17	1.00	-1.00	0.00
4,800.00	0.53	155.82	4,776.89	-293.79	131.89	-293.81	1.00	-1.00	0.00
4,853.11	0.00	0.00	4,830.00	-294.02	131.99	-294.04	1.00	-1.00	0.00
Begin Vertical Hold									
5,811.31	0.00	0.00	5,788.20	-294.02	131.99	-294.04	0.00	0.00	0.00
Cherry Canyon									
5,983.31	0.00	0.00	5,960.20	-294.02	131.99	-294.04	0.00	0.00	0.00
Manzanita Lime									
7,030.31	0.00	0.00	7,007.20	-294.02	131.99	-294.04	0.00	0.00	0.00



Planning Report

PERMIAN

RESOURCES

Database:	USA Compass	Local Co-ordinate Reference:	Well Eric Cartman 6 State Com 501H
Company:	Permian Resources	TVD Reference:	RKB @ 3648.20usft (H&P 652)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3648.20usft (H&P 652)
Site:	Eric Cartman	North Reference:	Grid
Well:	Eric Cartman 6 State Com 501H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 01-13-23		

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)
Brushy Canyon									
8,513.31	0.00	0.00	8,490.20	-294.02	131.99	-294.04	0.00	0.00	0.00
Bone Spring Lime									
8,664.31	0.00	0.00	8,641.20	-294.02	131.99	-294.04	0.00	0.00	0.00
Avalon									
9,568.31	0.00	0.00	9,545.20	-294.02	131.99	-294.04	0.00	0.00	0.00
First Bone Spring Sand									
9,733.31	0.00	0.00	9,710.20	-294.02	131.99	-294.04	0.00	0.00	0.00
Second Bone Spring Shale									
9,862.84	0.00	0.00	9,839.74	-294.02	131.99	-294.04	0.00	0.00	0.00
KOP2, Begin 12.00°/100' Build									
9,900.00	4.46	354.61	9,876.85	-292.58	131.86	-292.60	12.00	12.00	0.00
10,000.00	16.46	354.61	9,975.01	-274.54	130.15	-274.56	12.00	12.00	0.00
10,088.63	27.09	354.61	10,057.20	-241.85	127.07	-241.87	12.00	12.00	0.00
Second Bone Spring Sand									
10,100.00	28.46	354.61	10,067.26	-236.57	126.57	-236.59	12.00	12.00	0.00
10,200.00	40.46	354.61	10,149.56	-180.35	121.27	-180.37	12.00	12.00	0.00
10,300.00	52.46	354.61	10,218.32	-108.31	114.47	-108.33	12.00	12.00	0.00
10,400.00	64.46	354.61	10,270.54	-23.62	106.48	-23.63	12.00	12.00	0.00
10,500.00	76.46	354.61	10,303.93	70.04	97.64	70.02	12.00	12.00	0.00
10,600.00	88.46	354.61	10,317.03	168.55	88.35	168.54	12.00	12.00	0.00
10,612.84	90.00	354.61	10,317.20	181.34	87.14	181.32	12.00	12.00	0.00
LP, Hold 90.00° Inc at 354.61° Azm									
10,700.00	90.00	354.61	10,317.20	268.11	78.95	268.10	0.00	0.00	0.00
10,727.84	90.00	354.61	10,317.20	295.83	76.34	295.82	0.00	0.00	0.00
Begin 2.00°/100' Turn									
10,800.00	90.00	356.05	10,317.20	367.74	70.47	367.73	2.00	0.00	2.00
10,900.00	90.00	358.05	10,317.20	467.61	65.33	467.60	2.00	0.00	2.00
10,977.84	90.00	359.61	10,317.20	545.43	63.74	545.42	2.00	0.00	2.00
Hold 359.61° Azm									
11,000.00	90.00	359.61	10,317.20	567.59	63.59	567.58	0.00	0.00	0.00
11,100.00	90.00	359.61	10,317.20	667.59	62.91	667.58	0.00	0.00	0.00
11,200.00	90.00	359.61	10,317.20	767.58	62.23	767.57	0.00	0.00	0.00
11,300.00	90.00	359.61	10,317.20	867.58	61.55	867.57	0.00	0.00	0.00
11,400.00	90.00	359.61	10,317.20	967.58	60.86	967.57	0.00	0.00	0.00
11,500.00	90.00	359.61	10,317.20	1,067.58	60.18	1,067.57	0.00	0.00	0.00
11,600.00	90.00	359.61	10,317.20	1,167.57	59.50	1,167.56	0.00	0.00	0.00
11,700.00	90.00	359.61	10,317.20	1,267.57	58.82	1,267.56	0.00	0.00	0.00
11,800.00	90.00	359.61	10,317.20	1,367.57	58.14	1,367.56	0.00	0.00	0.00
11,900.00	90.00	359.61	10,317.20	1,467.57	57.46	1,467.56	0.00	0.00	0.00
12,000.00	90.00	359.61	10,317.20	1,567.57	56.78	1,567.56	0.00	0.00	0.00
12,100.00	90.00	359.61	10,317.20	1,667.56	56.10	1,667.55	0.00	0.00	0.00
12,200.00	90.00	359.61	10,317.20	1,767.56	55.42	1,767.55	0.00	0.00	0.00
12,300.00	90.00	359.61	10,317.20	1,867.56	54.74	1,867.55	0.00	0.00	0.00
12,400.00	90.00	359.61	10,317.20	1,967.56	54.06	1,967.55	0.00	0.00	0.00
12,500.00	90.00	359.61	10,317.20	2,067.55	53.38	2,067.54	0.00	0.00	0.00
12,600.00	90.00	359.61	10,317.20	2,167.55	52.70	2,167.54	0.00	0.00	0.00
12,700.00	90.00	359.61	10,317.20	2,267.55	52.02	2,267.54	0.00	0.00	0.00
12,800.00	90.00	359.61	10,317.20	2,367.55	51.34	2,367.54	0.00	0.00	0.00
12,900.00	90.00	359.61	10,317.20	2,467.54	50.65	2,467.54	0.00	0.00	0.00
13,000.00	90.00	359.61	10,317.20	2,567.54	49.97	2,567.53	0.00	0.00	0.00
13,100.00	90.00	359.61	10,317.20	2,667.54	49.29	2,667.53	0.00	0.00	0.00
13,200.00	90.00	359.61	10,317.20	2,767.54	48.61	2,767.53	0.00	0.00	0.00



Planning Report

PERMIAN

RESOURCES

Database:	USA Compass	Local Co-ordinate Reference:	Well Eric Cartman 6 State Com 501H
Company:	Permian Resources	TVD Reference:	RKB @ 3648.20usft (H&P 652)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3648.20usft (H&P 652)
Site:	Eric Cartman	North Reference:	Grid
Well:	Eric Cartman 6 State Com 501H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 01-13-23		

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)
13,300.00	90.00	359.61	10,317.20	2,867.54	47.93	2,867.53	0.00	0.00	0.00
13,400.00	90.00	359.61	10,317.20	2,967.53	47.25	2,967.53	0.00	0.00	0.00
13,500.00	90.00	359.61	10,317.20	3,067.53	46.57	3,067.52	0.00	0.00	0.00
13,600.00	90.00	359.61	10,317.20	3,167.53	45.89	3,167.52	0.00	0.00	0.00
13,700.00	90.00	359.61	10,317.20	3,267.53	45.21	3,267.52	0.00	0.00	0.00
13,800.00	90.00	359.61	10,317.20	3,367.52	44.53	3,367.52	0.00	0.00	0.00
13,900.00	90.00	359.61	10,317.20	3,467.52	43.85	3,467.51	0.00	0.00	0.00
14,000.00	90.00	359.61	10,317.20	3,567.52	43.17	3,567.51	0.00	0.00	0.00
14,100.00	90.00	359.61	10,317.20	3,667.52	42.49	3,667.51	0.00	0.00	0.00
14,200.00	90.00	359.61	10,317.20	3,767.51	41.81	3,767.51	0.00	0.00	0.00
14,300.00	90.00	359.61	10,317.20	3,867.51	41.13	3,867.51	0.00	0.00	0.00
14,400.00	90.00	359.61	10,317.20	3,967.51	40.44	3,967.50	0.00	0.00	0.00
14,500.00	90.00	359.61	10,317.20	4,067.51	39.76	4,067.50	0.00	0.00	0.00
14,600.00	90.00	359.61	10,317.20	4,167.51	39.08	4,167.50	0.00	0.00	0.00
14,700.00	90.00	359.61	10,317.20	4,267.50	38.40	4,267.50	0.00	0.00	0.00
14,800.00	90.00	359.61	10,317.20	4,367.50	37.72	4,367.49	0.00	0.00	0.00
14,900.00	90.00	359.61	10,317.20	4,467.50	37.04	4,467.49	0.00	0.00	0.00
15,000.00	90.00	359.61	10,317.20	4,567.50	36.36	4,567.49	0.00	0.00	0.00
15,100.00	90.00	359.61	10,317.20	4,667.49	35.68	4,667.49	0.00	0.00	0.00
15,200.00	90.00	359.61	10,317.20	4,767.49	35.00	4,767.49	0.00	0.00	0.00
15,300.00	90.00	359.61	10,317.20	4,867.49	34.32	4,867.48	0.00	0.00	0.00
15,400.00	90.00	359.61	10,317.20	4,967.49	33.64	4,967.48	0.00	0.00	0.00
15,500.00	90.00	359.61	10,317.20	5,067.48	32.96	5,067.48	0.00	0.00	0.00
15,600.00	90.00	359.61	10,317.20	5,167.48	32.28	5,167.48	0.00	0.00	0.00
15,700.00	90.00	359.61	10,317.20	5,267.48	31.60	5,267.47	0.00	0.00	0.00
15,800.00	90.00	359.61	10,317.20	5,367.48	30.92	5,367.47	0.00	0.00	0.00
15,900.00	90.00	359.61	10,317.20	5,467.48	30.23	5,467.47	0.00	0.00	0.00
16,000.00	90.00	359.61	10,317.20	5,567.47	29.55	5,567.47	0.00	0.00	0.00
16,100.00	90.00	359.61	10,317.20	5,667.47	28.87	5,667.47	0.00	0.00	0.00
16,200.00	90.00	359.61	10,317.20	5,767.47	28.19	5,767.46	0.00	0.00	0.00
16,300.00	90.00	359.61	10,317.20	5,867.47	27.51	5,867.46	0.00	0.00	0.00
16,400.00	90.00	359.61	10,317.20	5,967.46	26.83	5,967.46	0.00	0.00	0.00
16,500.00	90.00	359.61	10,317.20	6,067.46	26.15	6,067.46	0.00	0.00	0.00
16,600.00	90.00	359.61	10,317.20	6,167.46	25.47	6,167.45	0.00	0.00	0.00
16,700.00	90.00	359.61	10,317.20	6,267.46	24.79	6,267.45	0.00	0.00	0.00
16,800.00	90.00	359.61	10,317.20	6,367.45	24.11	6,367.45	0.00	0.00	0.00
16,900.00	90.00	359.61	10,317.20	6,467.45	23.43	6,467.45	0.00	0.00	0.00
17,000.00	90.00	359.61	10,317.20	6,567.45	22.75	6,567.45	0.00	0.00	0.00
17,100.00	90.00	359.61	10,317.20	6,667.45	22.07	6,667.44	0.00	0.00	0.00
17,200.00	90.00	359.61	10,317.20	6,767.44	21.39	6,767.44	0.00	0.00	0.00
17,300.00	90.00	359.61	10,317.20	6,867.44	20.71	6,867.44	0.00	0.00	0.00
17,400.00	90.00	359.61	10,317.20	6,967.44	20.02	6,967.44	0.00	0.00	0.00
17,500.00	90.00	359.61	10,317.20	7,067.44	19.34	7,067.43	0.00	0.00	0.00
17,600.00	90.00	359.61	10,317.20	7,167.44	18.66	7,167.43	0.00	0.00	0.00
17,700.00	90.00	359.61	10,317.20	7,267.43	17.98	7,267.43	0.00	0.00	0.00
17,800.00	90.00	359.61	10,317.20	7,367.43	17.30	7,367.43	0.00	0.00	0.00
17,900.00	90.00	359.61	10,317.20	7,467.43	16.62	7,467.43	0.00	0.00	0.00
18,000.00	90.00	359.61	10,317.20	7,567.43	15.94	7,567.42	0.00	0.00	0.00
18,100.00	90.00	359.61	10,317.20	7,667.42	15.26	7,667.42	0.00	0.00	0.00
18,200.00	90.00	359.61	10,317.20	7,767.42	14.58	7,767.42	0.00	0.00	0.00
18,300.00	90.00	359.61	10,317.20	7,867.42	13.90	7,867.42	0.00	0.00	0.00
18,400.00	90.00	359.61	10,317.20	7,967.42	13.22	7,967.41	0.00	0.00	0.00
18,500.00	90.00	359.61	10,317.20	8,067.41	12.54	8,067.41	0.00	0.00	0.00
18,600.00	90.00	359.61	10,317.20	8,167.41	11.86	8,167.41	0.00	0.00	0.00



Planning Report

PERMIAN

RESOURCES

Database:	USA Compass	Local Co-ordinate Reference:	Well Eric Cartman 6 State Com 501H
Company:	Permian Resources	TVD Reference:	RKB @ 3648.20usft (H&P 652)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3648.20usft (H&P 652)
Site:	Eric Cartman	North Reference:	Grid
Well:	Eric Cartman 6 State Com 501H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 01-13-23		

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)	
18,700.00	90.00	359.61	10,317.20	8,267.41	11.18	8,267.41	0.00	0.00	0.00	
18,800.00	90.00	359.61	10,317.20	8,367.41	10.49	8,367.41	0.00	0.00	0.00	
18,900.00	90.00	359.61	10,317.20	8,467.41	9.81	8,467.40	0.00	0.00	0.00	
19,000.00	90.00	359.61	10,317.20	8,567.40	9.13	8,567.40	0.00	0.00	0.00	
19,100.00	90.00	359.61	10,317.20	8,667.40	8.45	8,667.40	0.00	0.00	0.00	
19,200.00	90.00	359.61	10,317.20	8,767.40	7.77	8,767.40	0.00	0.00	0.00	
19,300.00	90.00	359.61	10,317.20	8,867.40	7.09	8,867.40	0.00	0.00	0.00	
19,400.00	90.00	359.61	10,317.20	8,967.39	6.41	8,967.39	0.00	0.00	0.00	
19,500.00	90.00	359.61	10,317.20	9,067.39	5.73	9,067.39	0.00	0.00	0.00	
19,600.00	90.00	359.61	10,317.20	9,167.39	5.05	9,167.39	0.00	0.00	0.00	
19,700.00	90.00	359.61	10,317.20	9,267.39	4.37	9,267.39	0.00	0.00	0.00	
19,800.00	90.00	359.61	10,317.20	9,367.38	3.69	9,367.38	0.00	0.00	0.00	
19,900.00	90.00	359.61	10,317.20	9,467.38	3.01	9,467.38	0.00	0.00	0.00	
20,000.00	90.00	359.61	10,317.20	9,567.38	2.33	9,567.38	0.00	0.00	0.00	
20,100.00	90.00	359.61	10,317.20	9,667.38	1.65	9,667.38	0.00	0.00	0.00	
20,200.00	90.00	359.61	10,317.20	9,767.38	0.97	9,767.38	0.00	0.00	0.00	
20,300.00	90.00	359.61	10,317.20	9,867.37	0.28	9,867.37	0.00	0.00	0.00	
20,400.00	90.00	359.61	10,317.20	9,967.37	-0.40	9,967.37	0.00	0.00	0.00	
20,500.00	90.00	359.61	10,317.20	10,067.37	-1.08	10,067.37	0.00	0.00	0.00	
20,588.66	90.00	359.61	10,317.20	10,156.03	-1.68	10,156.03	0.00	0.00	0.00	
TD at 20588.66										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
- hit/miss target										
- Shape										
BHL - Eric Cartman 6	0.00	359.99	10,317.20	10,156.03	-1.68	525,926.48	824,985.14	2° 26' 32.930313 N	3° 24' 49.966250 W	
- plan hits target center										
- Rectangle (sides W0.00 H10,450.80 D20.00)										
FTP - Eric Cartman 6	0.00	0.00	10,317.20	-294.53	69.11	515,475.92	825,055.93	2° 24' 49.521573 N	3° 24' 50.189606 W	
- plan misses target center by 203.89usft at 10236.70usft MD (10176.54 TVD, -155.59 N, 118.93 E)										
- Point										



Planning Report

PERMIAN

RESOURCES

Database:	USA Compass	Local Co-ordinate Reference:	Well Eric Cartman 6 State Com 501H
Company:	Permian Resources	TVD Reference:	RKB @ 3648.20usft (H&P 652)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3648.20usft (H&P 652)
Site:	Eric Cartman	North Reference:	Grid
Well:	Eric Cartman 6 State Com 501H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 01-13-23		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,758.20	1,758.20	Rustler			
2,234.27	2,234.20	Salado			
3,512.05	3,499.20	Castile			
3,756.77	3,740.20	Base of Salt			
4,125.35	4,104.20	Capitan			
5,811.31	5,788.20	Cherry Canyon			
5,983.31	5,960.20	Manzanita Lime			
7,030.31	7,007.20	Brushy Canyon			
8,513.31	8,490.20	Bone Spring Lime			
8,664.31	8,641.20	Avalon			
9,568.31	9,545.20	First Bone Spring Sand			
9,733.31	9,710.20	Second Bone Spring Shale			
10,088.63	10,057.20	Second Bone Spring 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 1.00°/100' Build
3,000.36	2,995.29	-79.47	35.68	Hold 10.00° Inc at 155.82° Azm
3,852.75	3,834.71	-214.55	96.32	Begin 1.00°/100' Drop
4,853.11	4,830.00	-294.02	131.99	Begin Vertical Hold
9,862.84	9,839.74	-294.02	131.99	KOP2, Begin 12.00°/100' Build
10,612.84	10,317.20	181.34	87.14	LP, Hold 90.00° Inc at 354.61° Azm
10,727.84	10,317.20	295.83	76.34	Begin 2.00°/100' Turn
10,977.84	10,317.20	545.43	63.74	Hold 359.61° Azm
20,588.66	10,317.20	10,156.03	-1.68	TD at 20588.66

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 175281

CONDITIONS

Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 175281
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	1/18/2023