

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. 30-025-49777	
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	
8. Well Number 602H	
9. OGRID Number 372165	
10. Pool name or Wildcat Ojo Chiso; Bone Spring	
4. Well Location Unit Letter M : 350 feet from the South line and 353 feet from the West line Section 6 Township 22S Range 35E NMPM County Lea	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3629 GL	

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

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: BHL change ☒		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 permitted BHL, please see below:

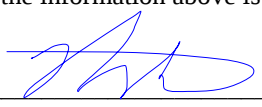
Old BHL:100 FNL & 1485 FWL
 New BHL:100 FNL & 1425 FWL.

Updated directional survey and well plat is attached to reflect this change.

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 **5/18/22**

Type or print name **Meghan Twele** E-mail address: **meghan.twele@cdevinc.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 30-025-49777	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 602H
⁷ OGRID No. 372165	⁸ Operator Name CENTENNIAL RESOURCE PRODUCTION, LLC	⁹ Elevation 3629.0'

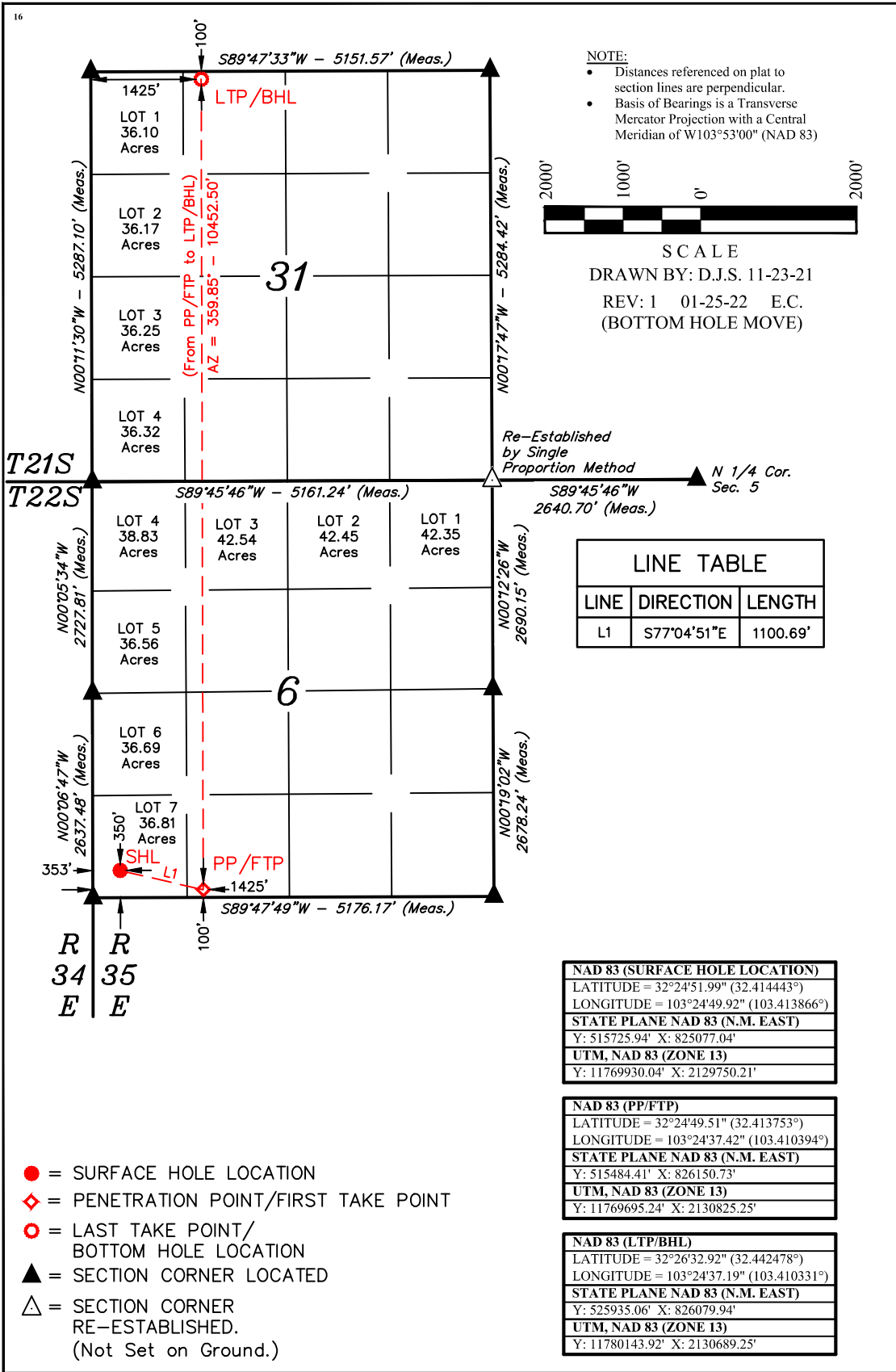
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
7	6	22S	35E		350	SOUTH	353	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	31	21S	35E		100	NORTH	1425	WEST	LEA
¹² Dedicated Acres 616.27	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 _____ Date _____

Meghan Twele
Printed Name
meghan.twele@cdevinc.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: _____

PAUL BUCHELE
NEW MEXICO
23782
01-25-22
PROFESSIONAL SURVEYOR

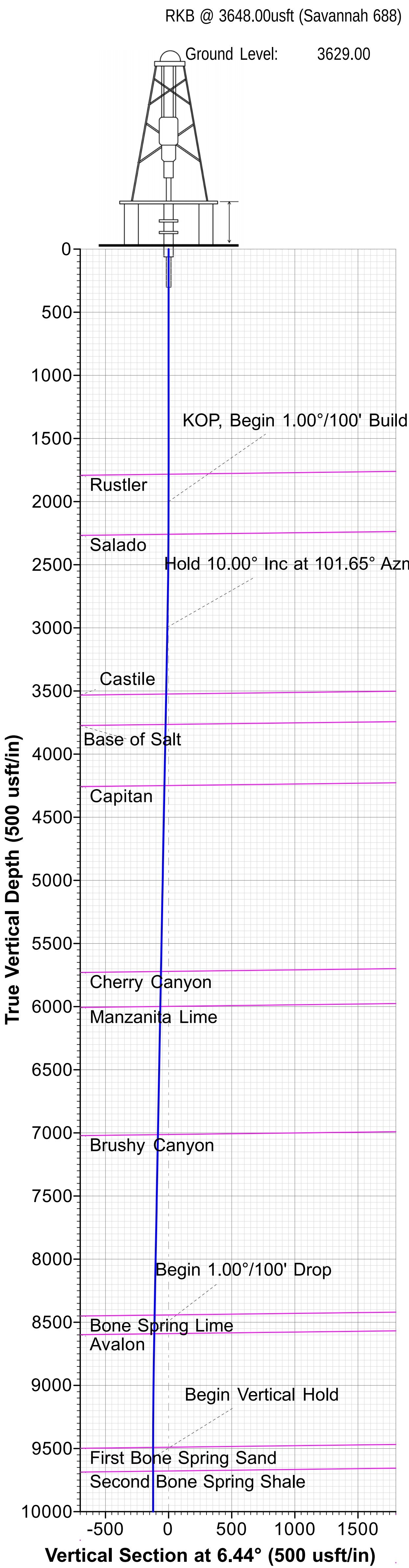
Certificate Number: _____



Project: Lea County, NM (NAD83 - UTM Zone 13)
Site: Eric Cartman 6 State Com
Well: 602H
Wellbore: OH / 69816
Design: Plan 2 05-17-22
Rig: Savannah 688



Azimuths to True North
Magnetic North: 6.38°
Magnetic Field
Strength: 47748.0nT
Dip Angle: 60.09°
Date: 7/17/2022
Model: MVHD



WELL DETAILS											
				Ground Level:	3629.00						
				+N/-S	0.00	+E/-W	0.00	Northing	11769930.04	Easting	2129750.21
								Latitude	32° 24' 51.993606 N	Longitude	
								103° 24' 49.918274 W			

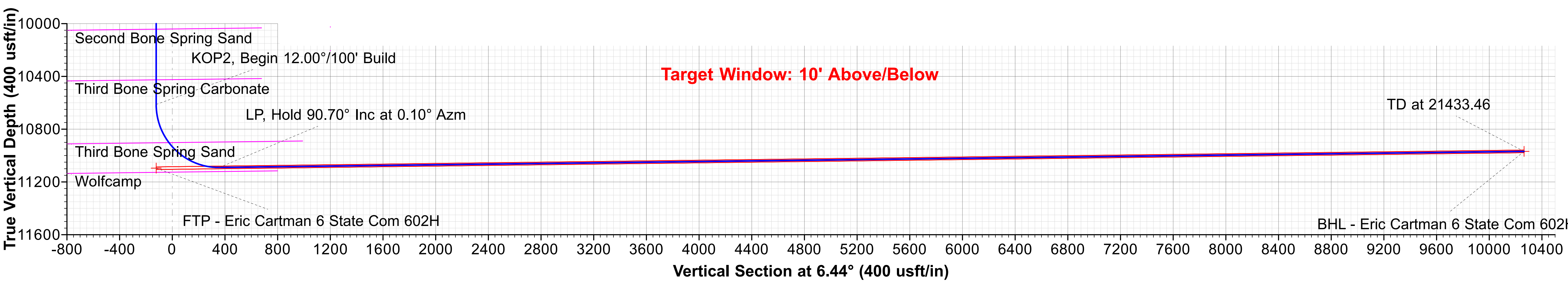
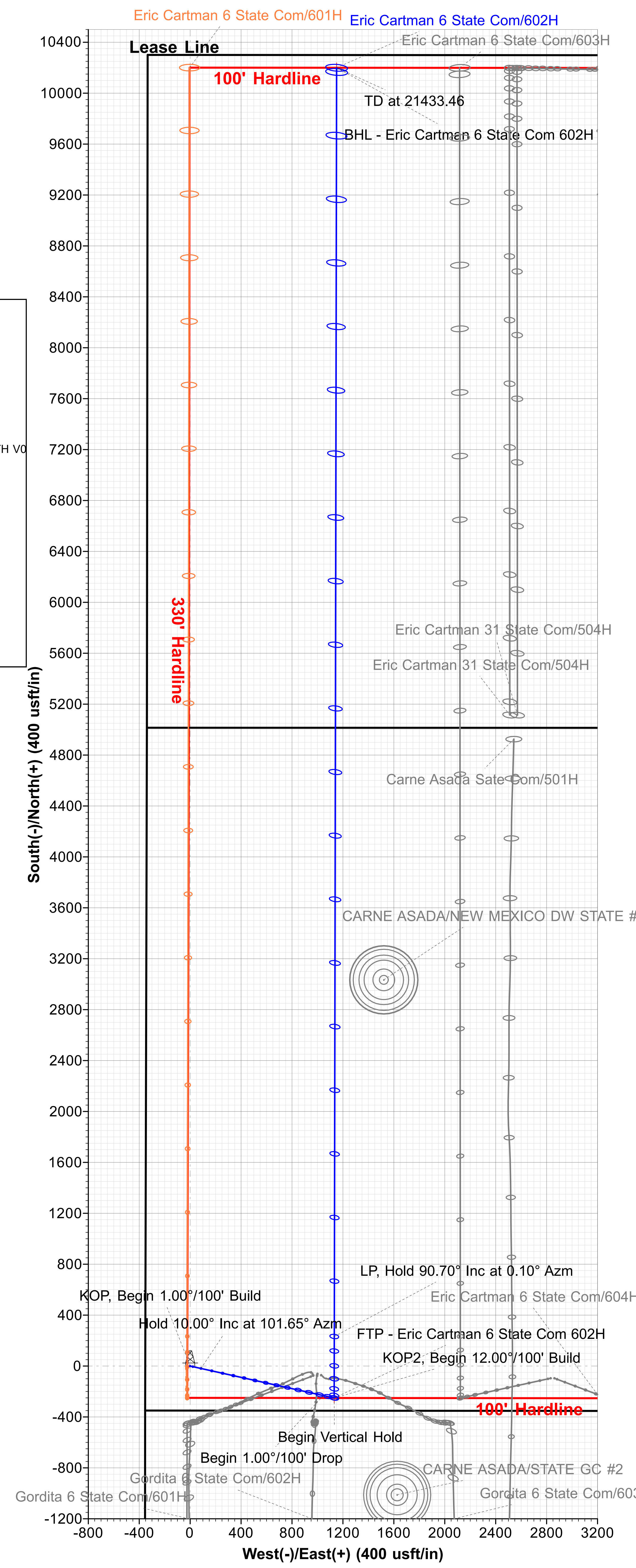
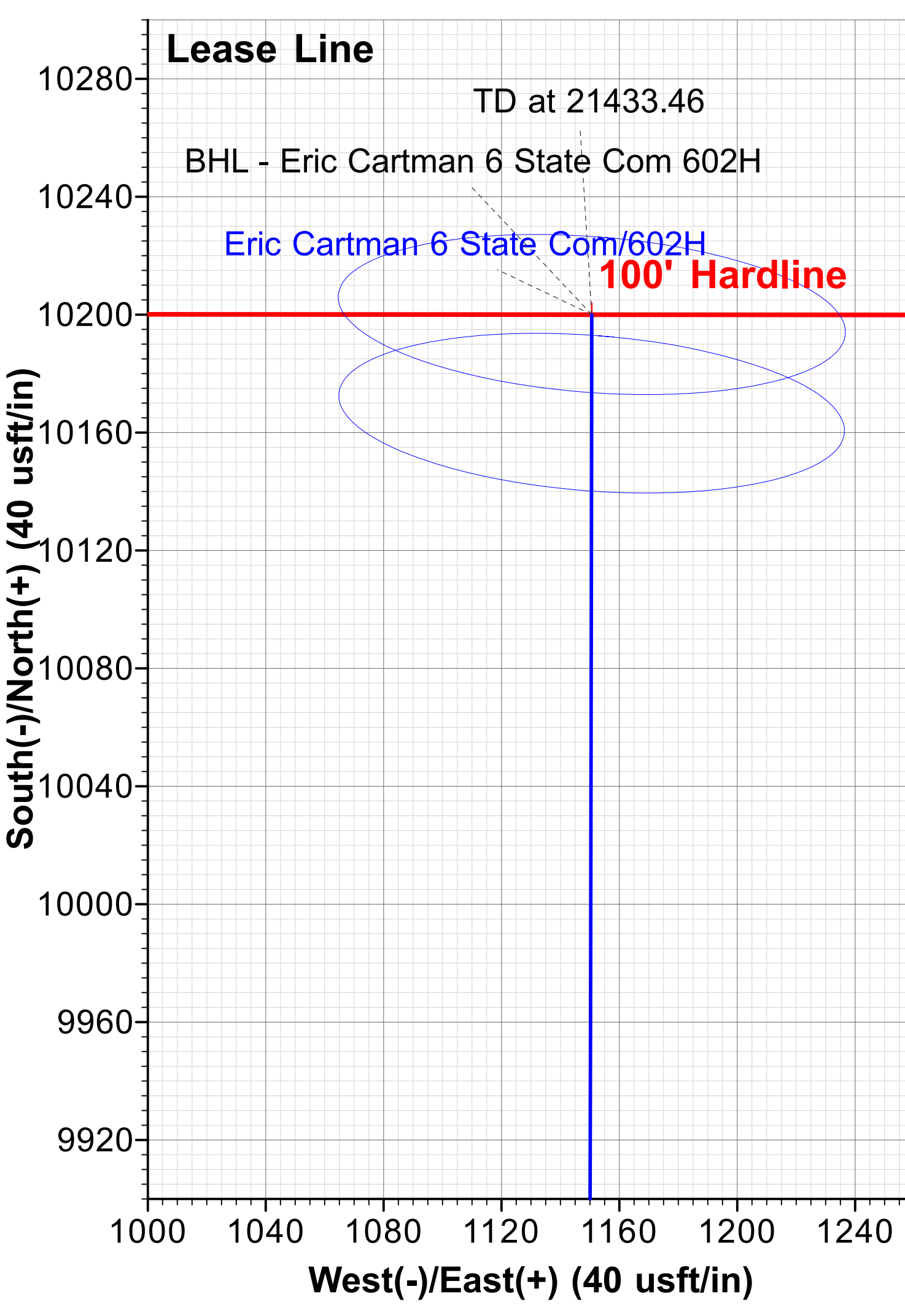
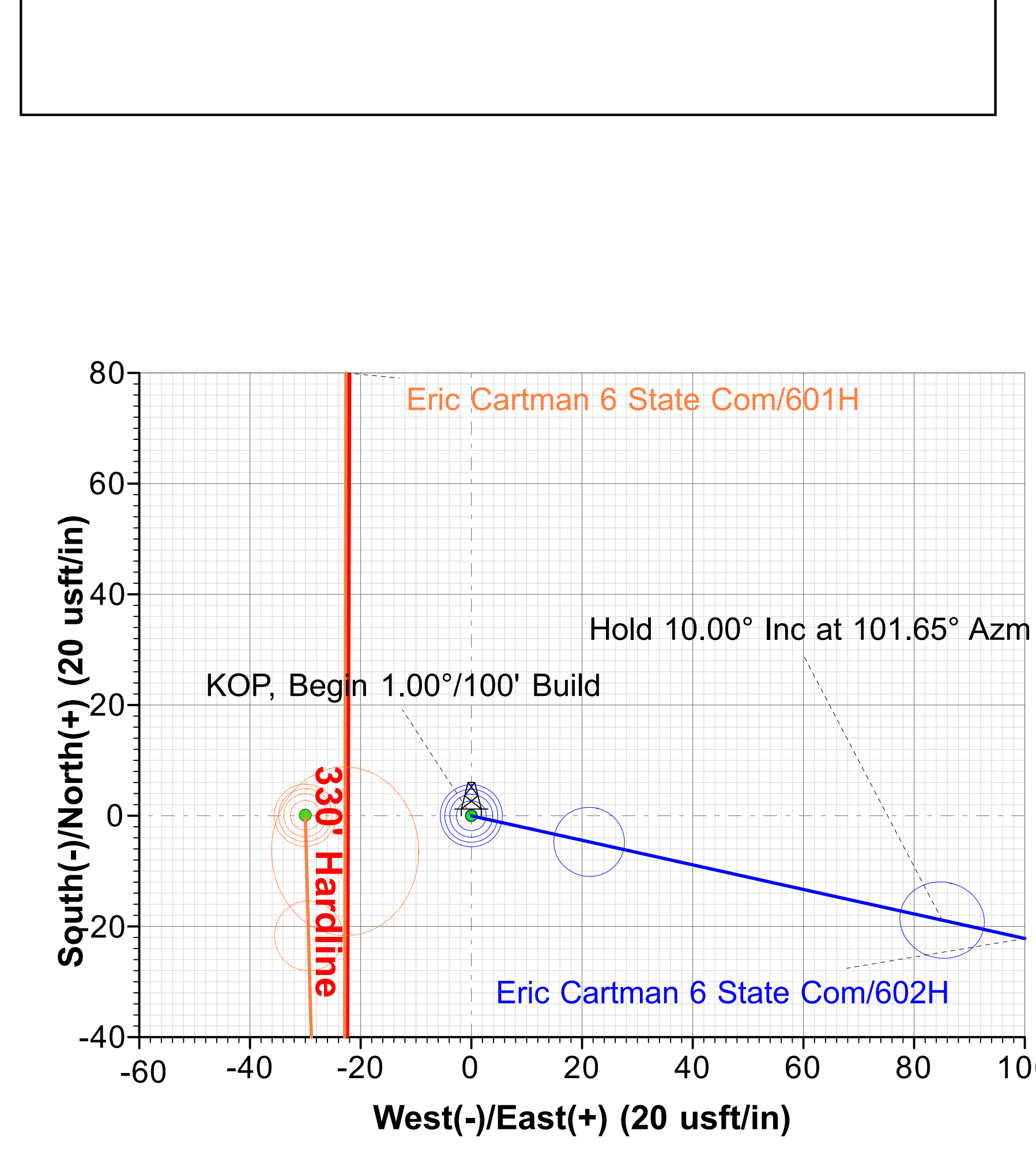
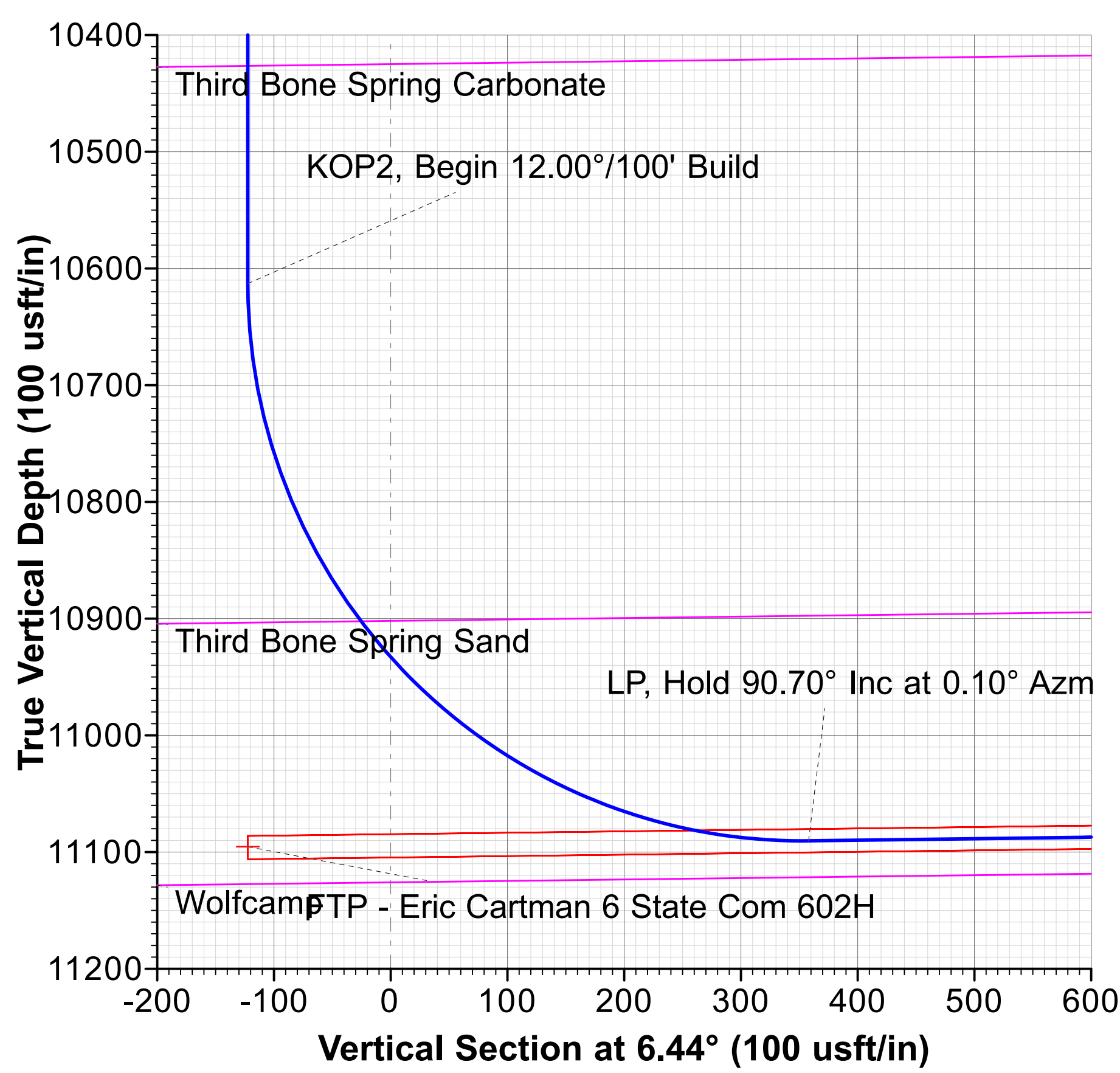
SECTION DETAILS											
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00		
2	2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.000	0.00		KOP, Begin 1.00°/100' Build
3	3000.48	10.00	102.50	2995.41	-18.85	85.06	1.00	102.498	-9.20		Hold 10.00° Inc at 101.65° Azm
4	8668.81	10.00	102.50	8577.53	-231.96	1046.50	0.00	0.000	-113.18		Begin 1.00°/100' Drop
5	9669.29	0.00	0.00	9572.94	-250.81	1131.56	1.00	180.000	-122.38		Begin Vertical Hold
6	10709.29	0.00	0.00	10612.94	-250.81	1131.56	0.00	0.000	-122.38		KOP2, Begin 12.00°/100' Build
7	11465.12	90.70	0.10	11090.37	232.49	1132.44	12.00	0.105	357.97		LP, Hold 90.70° Inc at 0.10° Azm
8	21433.46	90.70	0.10	10968.59	10200.06	1150.67	0.00	0.000	10264.76	BHL - Eric Cartman 6 State Com 602H	TD at 21433.46

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
BHL - Eric Cartman 6 State Com 602H	10968.59	10200.06	1150.67	11780144.77	2130749.23	32° 26' 32.921292 N	103° 24' 36.490955 W
FTP - Eric Cartman 6 State Com 602H	11095.50	-250.81	1131.56	11769696.08	2130885.23	32° 24' 49.511674 N	103° 24' 36.718598 W

Map System: Universal Transverse Mercator (US Survey Feet)
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone Name: Zone 13N (108 W to 102 W)
Local Origin: Well 602H, True North
Latitude: 32° 24' 51.993606 N
Longitude: 103° 24' 49.918274 W
Grid East: 2129750.21
Grid North: 11769930.04
Scale Factor: 1.000
Geomagnetic Model: MVHD
Sample Date: 17-Jul-22
Magnetic Declination: 6.378°
Dip Angle from Horizontal: 60.088°
Magnetic Field Strength: 47747.9508066nT
To convert a Magnetic Direction to a Grid Direction, Add 5.528°
To convert a Magnetic Direction to a True Direction, Add 6.378° East
To convert a True Direction to a Grid Direction, Subtract 0.850°

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
1783.00	1783.00	Rustler
2259.01	2259.10	Salado
3524.23	3537.48	Castile
3765.29	3782.25	Base of Salt
4249.40	4273.84	Capitan
5721.73	5768.91	Cherry Canyon
5998.80	6050.25	Manzanita Lime
7014.03	7081.16	Brushy Canyon
8443.35	8532.55	Bone Spring Lime
8591.39	8682.87	Avalon
9491.49	9587.84	First Bone Spring Sand
9679.49	9775.84	Second Bone Spring Shale
10042.49	10138.84	Second Bone Spring Sand
10426.49	10522.84	Third Bone Spring Carbonate
10902.31	11020.16	Third Bone Spring Sand

- LEGEND
- 501H, OH / 65376, Surveys (H&P 650) V0
 - STATE GC #2, STATE GC #2, ACTUAL WELLPATH V0
 - 603H, OH / 69812, Plan 4 05-17-22 V0
 - NEW MEXICO DW STATE #1, NEW MEXICO DW STATE #1, ACTUAL WELLPATH V0
 - 504H, OH, Plan 1 01-14-22 V0
 - 504H, OH, Plan 2 03-21-22 V0
 - 601H, OH / 69815, Plan 2 05-17-22 V0
 - 604H, OH / 69813, Plan 3 05-17-22 V0
 - 601H, OH / 69541, Surveys (H&P 313) V0
 - 602H, OH / 69542, Surveys (H&P 313) V0
 - 603H, OH / 69581, Surveys (H&P 313) V0
 - 601H, OH / 69541, Plan 2 03-31-22 V0
 - 603Y, OH / 69543, Surveys (H&P 313) V0
 - Plan 2 05-17-22





Centennial Resources Development, Inc.

**Lea County, NM (NAD83 - UTM Zone 13)
Eric Cartman 6 State Com
602H**

OH / 69816

Plan: Plan 2 05-17-22

Standard Planning Report

17 May, 2022





Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 602H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3648.00usft (Savannah 688)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3648.00usft (Savannah 688)
Site:	Eric Cartman 6 State Com	North Reference:	True
Well:	602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH / 69816		
Design:	Plan 2 05-17-22		

Project	Lea County, NM (NAD83 - UTM Zone 13)		
Map System:	Universal Transverse Mercator (US Survey Fee	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Zone 13N (108 W to 102 W)		Using geodetic scale factor

Site		Eric Cartman 6 State Com			
Site Position:		Northing:	11,769,930.04 usft	Latitude:	32° 24' 51.993607 N
From:	Map	Easting:	2,129,750.21 usft	Longitude:	103° 24' 49.918274 W
Position Uncertainty:		0.00 usft	Slot Radius:	13-3/16 "	

Well	602H					
Well Position	+N/-S	0.00 usft	Northing:	11,769,930.04 usft	Latitude:	32° 24' 51.993607 N
	+E/-W	0.00 usft	Easting:	2,129,750.21 usft	Longitude:	103° 24' 49.918274 W
Position Uncertainty		1.00 usft	Wellhead Elevation:		Ground Level:	3,629.00 usft

Wellbore	OH / 69816				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	7/17/2022	6.378	60.088	47,747.95080666

Design	Plan 2 05-17-22			
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	6.44

Plan Survey Tool Program	Date	5/17/2022		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	21,433.46	Plan 2 05-17-22 (OH / 69816)	MWD+IFR1+MS OWSG MWD + IFR1 + Mult

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	
3,000.48	10.00	102.50	2,995.41	-18.85	85.06	1.00	1.00	0.00	102.498	
8,668.81	10.00	102.50	8,577.53	-231.96	1,046.50	0.00	0.00	0.00	0.000	
9,669.29	0.00	0.00	9,572.94	-250.81	1,131.56	1.00	-1.00	0.00	180.000	
10,709.29	0.00	0.00	10,612.94	-250.81	1,131.56	0.00	0.00	0.00	0.000	
11,465.12	90.70	0.10	11,090.37	232.49	1,132.44	12.00	12.00	0.00	0.105	
21,433.46	90.70	0.10	10,968.59	10,200.06	1,150.67	0.00	0.00	0.00	0.000	BHL - Eric Cartman



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 602H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3648.00usft (Savannah 688)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3648.00usft (Savannah 688)
Site:	Eric Cartman 6 State Com	North Reference:	True
Well:	602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH / 69816		
Design:	Plan 2 05-17-22		

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
1,783.00	0.00	0.00	1,783.00	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	102.50	2,099.99	-0.19	0.85	-0.09	1.00	1.00	0.00
2,200.00	2.00	102.50	2,199.96	-0.76	3.41	-0.37	1.00	1.00	0.00
2,259.10	2.59	102.50	2,259.01	-1.27	5.72	-0.62	1.00	1.00	0.00
Salado									
2,300.00	3.00	102.50	2,299.86	-1.70	7.67	-0.83	1.00	1.00	0.00
2,400.00	4.00	102.50	2,399.68	-3.02	13.63	-1.47	1.00	1.00	0.00
2,500.00	5.00	102.50	2,499.37	-4.72	21.29	-2.30	1.00	1.00	0.00
2,600.00	6.00	102.50	2,598.90	-6.79	30.64	-3.31	1.00	1.00	0.00
2,700.00	7.00	102.50	2,698.26	-9.24	41.70	-4.51	1.00	1.00	0.00
2,800.00	8.00	102.50	2,797.40	-12.07	54.44	-5.89	1.00	1.00	0.00
2,900.00	9.00	102.50	2,896.30	-15.26	68.87	-7.45	1.00	1.00	0.00
3,000.00	10.00	102.50	2,994.93	-18.84	84.98	-9.19	1.00	1.00	0.00
3,000.48	10.00	102.50	2,995.41	-18.85	85.06	-9.20	1.00	1.00	0.00
Hold 10.00° Inc at 101.65° Azm									
3,100.00	10.00	102.50	3,093.41	-22.60	101.94	-11.03	0.00	0.00	0.00
3,200.00	10.00	102.50	3,191.89	-26.36	118.91	-12.86	0.00	0.00	0.00
3,300.00	10.00	102.50	3,290.37	-30.11	135.87	-14.69	0.00	0.00	0.00
3,400.00	10.00	102.50	3,388.85	-33.87	152.83	-16.53	0.00	0.00	0.00
3,500.00	10.00	102.50	3,487.33	-37.63	169.79	-18.36	0.00	0.00	0.00
3,537.48	10.00	102.50	3,524.23	-39.04	176.15	-19.05	0.00	0.00	0.00
Castile									
3,600.00	10.00	102.50	3,585.81	-41.39	186.75	-20.20	0.00	0.00	0.00
3,700.00	10.00	102.50	3,684.29	-45.15	203.71	-22.03	0.00	0.00	0.00
3,782.25	10.00	102.50	3,765.29	-48.25	217.66	-23.54	0.00	0.00	0.00
Base of Salt									
3,800.00	10.00	102.50	3,782.77	-48.91	220.67	-23.87	0.00	0.00	0.00
3,900.00	10.00	102.50	3,881.24	-52.67	237.64	-25.70	0.00	0.00	0.00
4,000.00	10.00	102.50	3,979.72	-56.43	254.60	-27.54	0.00	0.00	0.00
4,100.00	10.00	102.50	4,078.20	-60.19	271.56	-29.37	0.00	0.00	0.00
4,200.00	10.00	102.50	4,176.68	-63.95	288.52	-31.20	0.00	0.00	0.00
4,273.84	10.00	102.50	4,249.40	-66.73	301.04	-32.56	0.00	0.00	0.00
Capitan									
4,300.00	10.00	102.50	4,275.16	-67.71	305.48	-33.04	0.00	0.00	0.00
4,400.00	10.00	102.50	4,373.64	-71.47	322.44	-34.87	0.00	0.00	0.00
4,500.00	10.00	102.50	4,472.12	-75.23	339.40	-36.71	0.00	0.00	0.00
4,600.00	10.00	102.50	4,570.60	-78.99	356.37	-38.54	0.00	0.00	0.00
4,700.00	10.00	102.50	4,669.08	-82.75	373.33	-40.38	0.00	0.00	0.00
4,800.00	10.00	102.50	4,767.56	-86.51	390.29	-42.21	0.00	0.00	0.00
4,900.00	10.00	102.50	4,866.04	-90.27	407.25	-44.05	0.00	0.00	0.00
5,000.00	10.00	102.50	4,964.52	-94.03	424.21	-45.88	0.00	0.00	0.00
5,100.00	10.00	102.50	5,063.00	-97.79	441.17	-47.71	0.00	0.00	0.00
5,200.00	10.00	102.50	5,161.48	-101.55	458.13	-49.55	0.00	0.00	0.00
5,300.00	10.00	102.50	5,259.96	-105.30	475.10	-51.38	0.00	0.00	0.00
5,400.00	10.00	102.50	5,358.43	-109.06	492.06	-53.22	0.00	0.00	0.00
5,500.00	10.00	102.50	5,456.91	-112.82	509.02	-55.05	0.00	0.00	0.00
5,600.00	10.00	102.50	5,555.39	-116.58	525.98	-56.89	0.00	0.00	0.00
5,700.00	10.00	102.50	5,653.87	-120.34	542.94	-58.72	0.00	0.00	0.00
5,768.91	10.00	102.50	5,721.73	-122.93	554.63	-59.99	0.00	0.00	0.00



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 602H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3648.00usft (Savannah 688)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3648.00usft (Savannah 688)
Site:	Eric Cartman 6 State Com	North Reference:	True
Well:	602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH / 69816		
Design:	Plan 2 05-17-22		

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)
Cherry Canyon									
5,800.00	10.00	102.50	5,752.35	-124.10	559.90	-60.56	0.00	0.00	0.00
5,900.00	10.00	102.50	5,850.83	-127.86	576.87	-62.39	0.00	0.00	0.00
6,000.00	10.00	102.50	5,949.31	-131.62	593.83	-64.22	0.00	0.00	0.00
6,050.25	10.00	102.50	5,998.80	-133.51	602.35	-65.15	0.00	0.00	0.00
Manzanita Lime									
6,100.00	10.00	102.50	6,047.79	-135.38	610.79	-66.06	0.00	0.00	0.00
6,200.00	10.00	102.50	6,146.27	-139.14	627.75	-67.89	0.00	0.00	0.00
6,300.00	10.00	102.50	6,244.75	-142.90	644.71	-69.73	0.00	0.00	0.00
6,400.00	10.00	102.50	6,343.23	-146.66	661.67	-71.56	0.00	0.00	0.00
6,500.00	10.00	102.50	6,441.71	-150.42	678.63	-73.40	0.00	0.00	0.00
6,600.00	10.00	102.50	6,540.19	-154.18	695.60	-75.23	0.00	0.00	0.00
6,700.00	10.00	102.50	6,638.67	-157.94	712.56	-77.07	0.00	0.00	0.00
6,800.00	10.00	102.50	6,737.14	-161.70	729.52	-78.90	0.00	0.00	0.00
6,900.00	10.00	102.50	6,835.62	-165.46	746.48	-80.73	0.00	0.00	0.00
7,000.00	10.00	102.50	6,934.10	-169.22	763.44	-82.57	0.00	0.00	0.00
7,081.16	10.00	102.50	7,014.03	-172.27	777.21	-84.06	0.00	0.00	0.00
Brushy Canyon									
7,100.00	10.00	102.50	7,032.58	-172.98	780.40	-84.40	0.00	0.00	0.00
7,200.00	10.00	102.50	7,131.06	-176.74	797.36	-86.24	0.00	0.00	0.00
7,300.00	10.00	102.50	7,229.54	-180.50	814.33	-88.07	0.00	0.00	0.00
7,400.00	10.00	102.50	7,328.02	-184.25	831.29	-89.91	0.00	0.00	0.00
7,500.00	10.00	102.50	7,426.50	-188.01	848.25	-91.74	0.00	0.00	0.00
7,600.00	10.00	102.50	7,524.98	-191.77	865.21	-93.58	0.00	0.00	0.00
7,700.00	10.00	102.50	7,623.46	-195.53	882.17	-95.41	0.00	0.00	0.00
7,800.00	10.00	102.50	7,721.94	-199.29	899.13	-97.24	0.00	0.00	0.00
7,900.00	10.00	102.50	7,820.42	-203.05	916.09	-99.08	0.00	0.00	0.00
8,000.00	10.00	102.50	7,918.90	-206.81	933.06	-100.91	0.00	0.00	0.00
8,100.00	10.00	102.50	8,017.38	-210.57	950.02	-102.75	0.00	0.00	0.00
8,200.00	10.00	102.50	8,115.86	-214.33	966.98	-104.58	0.00	0.00	0.00
8,300.00	10.00	102.50	8,214.33	-218.09	983.94	-106.42	0.00	0.00	0.00
8,400.00	10.00	102.50	8,312.81	-221.85	1,000.90	-108.25	0.00	0.00	0.00
8,500.00	10.00	102.50	8,411.29	-225.61	1,017.86	-110.09	0.00	0.00	0.00
8,532.55	10.00	102.50	8,443.35	-226.83	1,023.38	-110.68	0.00	0.00	0.00
Bone Spring Lime									
8,600.00	10.00	102.50	8,509.77	-229.37	1,034.82	-111.92	0.00	0.00	0.00
8,668.81	10.00	102.50	8,577.53	-231.96	1,046.50	-113.18	0.00	0.00	0.00
Begin 1.00°/100' Drop									
8,682.87	9.86	102.50	8,591.39	-232.48	1,048.86	-113.44	1.00	-1.00	0.00
Avalon									
8,700.00	9.69	102.50	8,608.27	-233.11	1,051.70	-113.75	1.00	-1.00	0.00
8,800.00	8.69	102.50	8,706.98	-236.57	1,067.30	-115.43	1.00	-1.00	0.00
8,900.00	7.69	102.50	8,805.96	-239.65	1,081.21	-116.94	1.00	-1.00	0.00
9,000.00	6.69	102.50	8,905.17	-242.36	1,093.44	-118.26	1.00	-1.00	0.00
9,100.00	5.69	102.50	9,004.59	-244.69	1,103.97	-119.40	1.00	-1.00	0.00
9,200.00	4.69	102.50	9,104.17	-246.65	1,112.81	-120.35	1.00	-1.00	0.00
9,300.00	3.69	102.50	9,203.91	-248.24	1,119.95	-121.13	1.00	-1.00	0.00
9,400.00	2.69	102.50	9,303.75	-249.44	1,125.38	-121.71	1.00	-1.00	0.00
9,500.00	1.69	102.50	9,403.67	-250.27	1,129.12	-122.12	1.00	-1.00	0.00
9,587.84	0.81	102.50	9,491.49	-250.68	1,130.99	-122.32	1.00	-1.00	0.00
First Bone Spring Sand									
9,600.00	0.69	102.50	9,503.65	-250.72	1,131.15	-122.34	1.00	-1.00	0.00
9,669.29	0.00	0.00	9,572.94	-250.81	1,131.56	-122.38	1.00	-1.00	0.00



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 602H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3648.00usft (Savannah 688)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3648.00usft (Savannah 688)
Site:	Eric Cartman 6 State Com	North Reference:	True
Well:	602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH / 69816		
Design:	Plan 2 05-17-22		

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)
Begin Vertical Hold									
9,775.85	0.00	0.00	9,679.49	-250.81	1,131.56	-122.38	0.00	0.00	0.00
Second Bone Spring Shale									
10,138.85	0.00	0.00	10,042.49	-250.81	1,131.56	-122.38	0.00	0.00	0.00
Second Bone Spring Sand									
10,522.85	0.00	0.00	10,426.49	-250.81	1,131.56	-122.38	0.00	0.00	0.00
Third Bone Spring Carbonate									
10,709.29	0.00	0.00	10,612.94	-250.81	1,131.56	-122.38	0.00	0.00	0.00
KOP2, Begin 12.00°/100' Build									
10,800.00	10.89	0.10	10,703.10	-242.22	1,131.58	-113.84	12.00	12.00	0.00
10,900.00	22.89	0.10	10,798.62	-213.23	1,131.63	-85.03	12.00	12.00	0.00
11,000.00	34.89	0.10	10,886.02	-165.01	1,131.72	-37.11	12.00	12.00	0.00
11,020.16	37.30	0.10	10,902.31	-153.13	1,131.74	-25.30	12.00	12.00	0.00
Third Bone Spring Sand									
11,100.00	46.89	0.10	10,961.48	-99.68	1,131.84	27.83	12.00	12.00	0.00
11,200.00	58.89	0.10	11,021.71	-20.08	1,131.98	106.94	12.00	12.00	0.00
11,300.00	70.89	0.10	11,064.08	70.30	1,132.15	196.77	12.00	12.00	0.00
11,400.00	82.89	0.10	11,086.73	167.52	1,132.32	293.39	12.00	12.00	0.00
11,465.12	90.70	0.10	11,090.37	232.49	1,132.44	357.97	12.00	12.00	0.00
LP, Hold 90.70° Inc at 0.10° Azm									
11,500.00	90.70	0.10	11,089.94	267.36	1,132.51	392.63	0.00	0.00	0.00
11,600.00	90.70	0.10	11,088.72	367.35	1,132.69	492.01	0.00	0.00	0.00
11,700.00	90.70	0.10	11,087.50	467.35	1,132.87	591.39	0.00	0.00	0.00
11,800.00	90.70	0.10	11,086.28	567.34	1,133.06	690.78	0.00	0.00	0.00
11,900.00	90.70	0.10	11,085.06	667.33	1,133.24	790.16	0.00	0.00	0.00
12,000.00	90.70	0.10	11,083.83	767.32	1,133.42	889.54	0.00	0.00	0.00
12,100.00	90.70	0.10	11,082.61	867.31	1,133.60	988.92	0.00	0.00	0.00
12,200.00	90.70	0.10	11,081.39	967.31	1,133.79	1,088.31	0.00	0.00	0.00
12,300.00	90.70	0.10	11,080.17	1,067.30	1,133.97	1,187.69	0.00	0.00	0.00
12,400.00	90.70	0.10	11,078.95	1,167.29	1,134.15	1,287.07	0.00	0.00	0.00
12,500.00	90.70	0.10	11,077.73	1,267.28	1,134.34	1,386.45	0.00	0.00	0.00
12,600.00	90.70	0.10	11,076.50	1,367.28	1,134.52	1,485.84	0.00	0.00	0.00
12,700.00	90.70	0.10	11,075.28	1,467.27	1,134.70	1,585.22	0.00	0.00	0.00
12,800.00	90.70	0.10	11,074.06	1,567.26	1,134.88	1,684.60	0.00	0.00	0.00
12,900.00	90.70	0.10	11,072.84	1,667.25	1,135.07	1,783.98	0.00	0.00	0.00
13,000.00	90.70	0.10	11,071.62	1,767.25	1,135.25	1,883.37	0.00	0.00	0.00
13,100.00	90.70	0.10	11,070.40	1,867.24	1,135.43	1,982.75	0.00	0.00	0.00
13,200.00	90.70	0.10	11,069.17	1,967.23	1,135.62	2,082.13	0.00	0.00	0.00
13,300.00	90.70	0.10	11,067.95	2,067.22	1,135.80	2,181.52	0.00	0.00	0.00
13,400.00	90.70	0.10	11,066.73	2,167.22	1,135.98	2,280.90	0.00	0.00	0.00
13,500.00	90.70	0.10	11,065.51	2,267.21	1,136.16	2,380.28	0.00	0.00	0.00
13,600.00	90.70	0.10	11,064.29	2,367.20	1,136.35	2,479.66	0.00	0.00	0.00
13,700.00	90.70	0.10	11,063.07	2,467.19	1,136.53	2,579.05	0.00	0.00	0.00
13,800.00	90.70	0.10	11,061.84	2,567.19	1,136.71	2,678.43	0.00	0.00	0.00
13,900.00	90.70	0.10	11,060.62	2,667.18	1,136.90	2,777.81	0.00	0.00	0.00
14,000.00	90.70	0.10	11,059.40	2,767.17	1,137.08	2,877.19	0.00	0.00	0.00
14,100.00	90.70	0.10	11,058.18	2,867.16	1,137.26	2,976.58	0.00	0.00	0.00
14,200.00	90.70	0.10	11,056.96	2,967.15	1,137.44	3,075.96	0.00	0.00	0.00
14,300.00	90.70	0.10	11,055.74	3,067.15	1,137.63	3,175.34	0.00	0.00	0.00
14,400.00	90.70	0.10	11,054.51	3,167.14	1,137.81	3,274.72	0.00	0.00	0.00
14,500.00	90.70	0.10	11,053.29	3,267.13	1,137.99	3,374.11	0.00	0.00	0.00
14,600.00	90.70	0.10	11,052.07	3,367.12	1,138.18	3,473.49	0.00	0.00	0.00
14,700.00	90.70	0.10	11,050.85	3,467.12	1,138.36	3,572.87	0.00	0.00	0.00



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 602H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3648.00usft (Savannah 688)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3648.00usft (Savannah 688)
Site:	Eric Cartman 6 State Com	North Reference:	True
Well:	602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH / 69816		
Design:	Plan 2 05-17-22		

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)
14,800.00	90.70	0.10	11,049.63	3,567.11	1,138.54	3,672.25	0.00	0.00	0.00
14,900.00	90.70	0.10	11,048.41	3,667.10	1,138.72	3,771.64	0.00	0.00	0.00
15,000.00	90.70	0.10	11,047.18	3,767.09	1,138.91	3,871.02	0.00	0.00	0.00
15,100.00	90.70	0.10	11,045.96	3,867.09	1,139.09	3,970.40	0.00	0.00	0.00
15,200.00	90.70	0.10	11,044.74	3,967.08	1,139.27	4,069.79	0.00	0.00	0.00
15,300.00	90.70	0.10	11,043.52	4,067.07	1,139.45	4,169.17	0.00	0.00	0.00
15,400.00	90.70	0.10	11,042.30	4,167.06	1,139.64	4,268.55	0.00	0.00	0.00
15,500.00	90.70	0.10	11,041.08	4,267.06	1,139.82	4,367.93	0.00	0.00	0.00
15,600.00	90.70	0.10	11,039.85	4,367.05	1,140.00	4,467.32	0.00	0.00	0.00
15,700.00	90.70	0.10	11,038.63	4,467.04	1,140.19	4,566.70	0.00	0.00	0.00
15,800.00	90.70	0.10	11,037.41	4,567.03	1,140.37	4,666.08	0.00	0.00	0.00
15,900.00	90.70	0.10	11,036.19	4,667.02	1,140.55	4,765.46	0.00	0.00	0.00
16,000.00	90.70	0.10	11,034.97	4,767.02	1,140.73	4,864.85	0.00	0.00	0.00
16,100.00	90.70	0.10	11,033.75	4,867.01	1,140.92	4,964.23	0.00	0.00	0.00
16,200.00	90.70	0.10	11,032.52	4,967.00	1,141.10	5,063.61	0.00	0.00	0.00
16,300.00	90.70	0.10	11,031.30	5,066.99	1,141.28	5,162.99	0.00	0.00	0.00
16,400.00	90.70	0.10	11,030.08	5,166.99	1,141.47	5,262.38	0.00	0.00	0.00
16,500.00	90.70	0.10	11,028.86	5,266.98	1,141.65	5,361.76	0.00	0.00	0.00
16,600.00	90.70	0.10	11,027.64	5,366.97	1,141.83	5,461.14	0.00	0.00	0.00
16,700.00	90.70	0.10	11,026.41	5,466.96	1,142.01	5,560.52	0.00	0.00	0.00
16,800.00	90.70	0.10	11,025.19	5,566.96	1,142.20	5,659.91	0.00	0.00	0.00
16,900.00	90.70	0.10	11,023.97	5,666.95	1,142.38	5,759.29	0.00	0.00	0.00
17,000.00	90.70	0.10	11,022.75	5,766.94	1,142.56	5,858.67	0.00	0.00	0.00
17,100.00	90.70	0.10	11,021.53	5,866.93	1,142.75	5,958.05	0.00	0.00	0.00
17,200.00	90.70	0.10	11,020.31	5,966.93	1,142.93	6,057.44	0.00	0.00	0.00
17,300.00	90.70	0.10	11,019.08	6,066.92	1,143.11	6,156.82	0.00	0.00	0.00
17,400.00	90.70	0.10	11,017.86	6,166.91	1,143.29	6,256.20	0.00	0.00	0.00
17,500.00	90.70	0.10	11,016.64	6,266.90	1,143.48	6,355.59	0.00	0.00	0.00
17,600.00	90.70	0.10	11,015.42	6,366.90	1,143.66	6,454.97	0.00	0.00	0.00
17,700.00	90.70	0.10	11,014.20	6,466.89	1,143.84	6,554.35	0.00	0.00	0.00
17,800.00	90.70	0.10	11,012.98	6,566.88	1,144.03	6,653.73	0.00	0.00	0.00
17,900.00	90.70	0.10	11,011.75	6,666.87	1,144.21	6,753.12	0.00	0.00	0.00
18,000.00	90.70	0.10	11,010.53	6,766.86	1,144.39	6,852.50	0.00	0.00	0.00
18,100.00	90.70	0.10	11,009.31	6,866.86	1,144.57	6,951.88	0.00	0.00	0.00
18,200.00	90.70	0.10	11,008.09	6,966.85	1,144.76	7,051.26	0.00	0.00	0.00
18,300.00	90.70	0.10	11,006.87	7,066.84	1,144.94	7,150.65	0.00	0.00	0.00
18,400.00	90.70	0.10	11,005.65	7,166.83	1,145.12	7,250.03	0.00	0.00	0.00
18,500.00	90.70	0.10	11,004.42	7,266.83	1,145.31	7,349.41	0.00	0.00	0.00
18,600.00	90.70	0.10	11,003.20	7,366.82	1,145.49	7,448.79	0.00	0.00	0.00
18,700.00	90.70	0.10	11,001.98	7,466.81	1,145.67	7,548.18	0.00	0.00	0.00
18,800.00	90.70	0.10	11,000.76	7,566.80	1,145.85	7,647.56	0.00	0.00	0.00
18,900.00	90.70	0.10	10,999.54	7,666.80	1,146.04	7,746.94	0.00	0.00	0.00
19,000.00	90.70	0.10	10,998.32	7,766.79	1,146.22	7,846.32	0.00	0.00	0.00
19,100.00	90.70	0.10	10,997.09	7,866.78	1,146.40	7,945.71	0.00	0.00	0.00
19,200.00	90.70	0.10	10,995.87	7,966.77	1,146.59	8,045.09	0.00	0.00	0.00
19,300.00	90.70	0.10	10,994.65	8,066.77	1,146.77	8,144.47	0.00	0.00	0.00
19,400.00	90.70	0.10	10,993.43	8,166.76	1,146.95	8,243.86	0.00	0.00	0.00
19,500.00	90.70	0.10	10,992.21	8,266.75	1,147.13	8,343.24	0.00	0.00	0.00
19,600.00	90.70	0.10	10,990.99	8,366.74	1,147.32	8,442.62	0.00	0.00	0.00
19,700.00	90.70	0.10	10,989.76	8,466.74	1,147.50	8,542.00	0.00	0.00	0.00
19,800.00	90.70	0.10	10,988.54	8,566.73	1,147.68	8,641.39	0.00	0.00	0.00
19,900.00	90.70	0.10	10,987.32	8,666.72	1,147.87	8,740.77	0.00	0.00	0.00
20,000.00	90.70	0.10	10,986.10	8,766.71	1,148.05	8,840.15	0.00	0.00	0.00
20,100.00	90.70	0.10	10,984.88	8,866.70	1,148.23	8,939.53	0.00	0.00	0.00



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 602H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3648.00usft (Savannah 688)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3648.00usft (Savannah 688)
Site:	Eric Cartman 6 State Com	North Reference:	True
Well:	602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH / 69816		
Design:	Plan 2 05-17-22		

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)	
20,200.00	90.70	0.10	10,983.66	8,966.70	1,148.41	9,038.92	0.00	0.00	0.00	
20,300.00	90.70	0.10	10,982.43	9,066.69	1,148.60	9,138.30	0.00	0.00	0.00	
20,400.00	90.70	0.10	10,981.21	9,166.68	1,148.78	9,237.68	0.00	0.00	0.00	
20,500.00	90.70	0.10	10,979.99	9,266.67	1,148.96	9,337.06	0.00	0.00	0.00	
20,600.00	90.70	0.10	10,978.77	9,366.67	1,149.14	9,436.45	0.00	0.00	0.00	
20,700.00	90.70	0.10	10,977.55	9,466.66	1,149.33	9,535.83	0.00	0.00	0.00	
20,800.00	90.70	0.10	10,976.33	9,566.65	1,149.51	9,635.21	0.00	0.00	0.00	
20,900.00	90.70	0.10	10,975.10	9,666.64	1,149.69	9,734.59	0.00	0.00	0.00	
21,000.00	90.70	0.10	10,973.88	9,766.64	1,149.88	9,833.98	0.00	0.00	0.00	
21,100.00	90.70	0.10	10,972.66	9,866.63	1,150.06	9,933.36	0.00	0.00	0.00	
21,200.00	90.70	0.10	10,971.44	9,966.62	1,150.24	10,032.74	0.00	0.00	0.00	
21,300.00	90.70	0.10	10,970.22	10,066.61	1,150.42	10,132.13	0.00	0.00	0.00	
21,400.00	90.70	0.10	10,969.00	10,166.61	1,150.61	10,231.51	0.00	0.00	0.00	
21,433.46	90.70	0.10	10,968.59	10,200.06	1,150.67	10,264.76	0.00	0.00	0.00	
TD at 21433.46										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
BHL - Eric Cartman 6	-0.70	0.10	10,968.59	10,200.06	1,150.67	11,780,144.77	2,130,749.23	2° 26' 32.921292 N	3° 24' 36.490955 W	
- plan hits target center										
- Rectangle (sides W0.00 H10,451.66 D20.00)										
FTP - Eric Cartman 6	0.00	0.85	11,095.50	-250.81	1,131.56	11,769,696.08	2,130,885.23	2° 24' 49.511674 N	3° 24' 36.718599 W	
- plan misses target center by 201.83usft at 11098.12usft MD (10960.20 TVD, -101.04 N, 1131.83 E)										
- Point										

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,783.00	1,783.00	Rustler		-0.700	6.44	
2,259.10	2,259.01	Salado		-0.700	6.44	
3,537.48	3,524.23	Castile		-0.700	6.44	
3,782.25	3,765.29	Base of Salt		-0.700	6.44	
4,273.84	4,249.40	Capitan		-0.700	6.44	
5,768.91	5,721.73	Cherry Canyon		-0.700	6.44	
6,050.25	5,998.80	Manzanita Lime		-0.700	6.44	
7,081.16	7,014.03	Brushy Canyon		-0.700	6.44	
8,532.55	8,443.35	Bone Spring Lime		-0.700	6.44	
8,682.87	8,591.39	Avalon		-0.700	6.44	
9,587.84	9,491.49	First Bone Spring Sand		-0.700	6.44	
9,775.85	9,679.49	Second Bone Spring Shale		-0.700	6.44	
10,138.85	10,042.49	Second Bone Spring Sand		-0.700	6.44	
10,522.85	10,426.49	Third Bone Spring Carbonate		-0.700	6.44	
11,020.16	10,902.31	Third Bone Spring Sand		-0.700	6.44	



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 602H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3648.00usft (Savannah 688)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3648.00usft (Savannah 688)
Site:	Eric Cartman 6 State Com	North Reference:	True
Well:	602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH / 69816		
Design:	Plan 2 05-17-22		

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
3,000.48	2,995.41	-18.85	85.06	Hold 10.00° Inc at 101.65° Azm
8,668.81	8,577.53	-231.96	1,046.50	Begin 1.00°/100' Drop
9,669.29	9,572.94	-250.81	1,131.56	Begin Vertical Hold
10,709.29	10,612.94	-250.81	1,131.56	KOP2, Begin 12.00°/100' Build
11,465.12	11,090.37	232.49	1,132.44	LP, Hold 90.70° Inc at 0.10° Azm
21,433.46	10,968.59	10,200.06	1,150.67	TD at 21433.46

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 108024

CONDITIONS

Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 108024
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	5/25/2022