

Well Name: ROMEO FEDERAL COM	Well Location: T24S / R34E / SEC 27 / SWNW /	County or Parish/State:
Well Number: 311H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM77090	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002550263	Well Status: Approved Application for Permit to Drill	Operator: CENTENNIAL RESOURCE PRODUCTION LLC

Notice of Intent

Sundry ID: 2669844

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 05/03/2022	Time Sundry Submitted: 03:48
Date proposed operation will begin: 07/19/2022	

Procedure Description: Centennial Resource Production, LLC requests to move the original BHL 14' to the East. The new BHL will be 100 FNL & 344 FWL. Please see attached updated directional plans and well plat.

NOI Attachments

Procedure Description

- Romeo_Federal_Com_311H__Plan_1_04_06_22_20220503154818.pdf
- Romeo_Federal_Com_311H__Updated_Well_Plat_SBMT_20220503154756.pdf

Well Name: ROMEO FEDERAL COM	Well Location: T24S / R34E / SEC 27 / SWNW /	County or Parish/State:
Well Number: 311H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM77090	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002550263	Well Status: Approved Application for Permit to Drill	Operator: CENTENNIAL RESOURCE PRODUCTION LLC

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: MEGHAN TWELE	Signed on: MAY 03, 2022 03:48 PM
Name: CENTENNIAL RESOURCE PRODUCTION LLC	
Title: Sr Regulatory Analyst	
Street Address: 1001 17TH STREET SUITE 1800	
City: DENVER	State: CO
Phone: (720) 499-1531	
Email address: MEGHAN.TWELE@CDEVINC.COM	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752342234	BLM POC Email Address: cwalls@blm.gov
Disposition: Approved	Disposition Date: 08/08/2022
Signature: Chris Walls	

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 30-025-50263	² Pool Code 96434	³ Pool Name Red Hills; Bone Spring, North
⁴ Property Code 318027	⁵ Property Name ROMEO FEDERAL COM	⁶ Well Number 311H
⁷ OGRID No. 372165	⁸ Operator Name CENTENNIAL RESOURCE PRODUCTION, LLC	⁹ Elevation 3464.0'

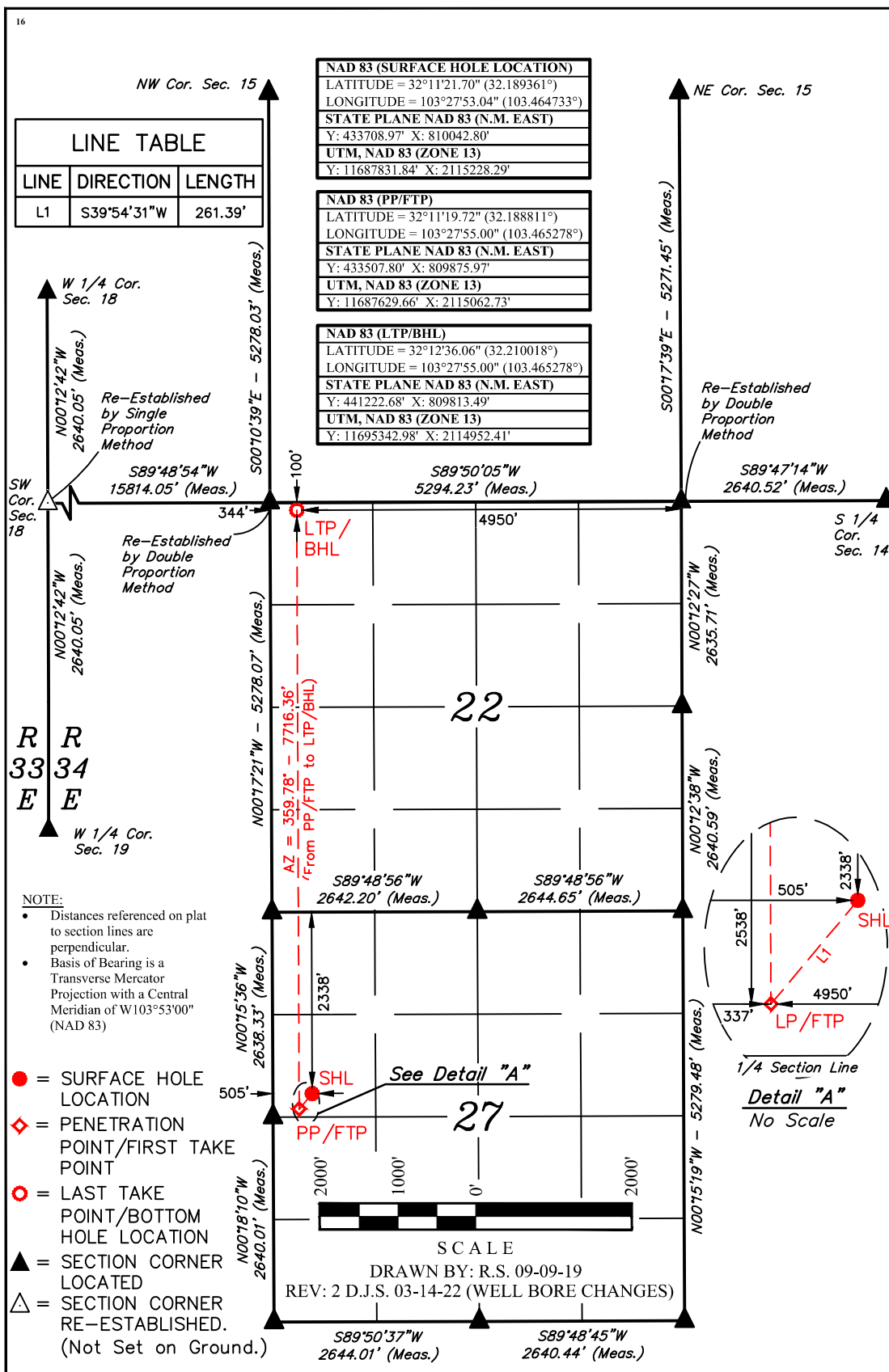
¹⁰Surface Location

UL or lot no. E	Section 27	Township 24S	Range 34E	Lot Idn	Feet from the 2338	North/South line NORTH	Feet from the 505	East/West line WEST	County LEA
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"Bottom Hole Location If Different From Surface

UL or lot no. D	Section 22	Township 24S	Range 34E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 344	East/West line WEST	County LEA
¹² Dedicated Acres 240		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.

JULY 01, 2020

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number:

RKB @ 3490.00usft (TBD)
Ground Level: 3464.00

WELL DETAILS									
	+N/-S	+E/-W	Northing	Ground Level: Easting	Latitude	Longitude			
	0.00	0.00	11687831.84	3464.00 2115228.29	32° 11' 21.698063 N	103° 27' 53.039649 W			

SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
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
3	3000.00	10.00	220.13	2994.93	-66.55	-56.10	1.00	220.131	-65.28
4	3502.53	10.00	220.13	3489.83	-133.27	-112.35	0.00	0.000	-130.72
5	4502.53	0.00	0.00	4484.76	-199.82	-168.45	1.00	180.000	-195.99
6	9808.31	0.00	0.00	9790.54	-199.82	-168.45	0.00	0.000	-195.99
7	10558.31	90.00	360.00	10268.00	277.64	-168.46	12.00	359.999	281.35
8	17796.05	90.00	360.00	10268.00	7515.38	-168.63	0.00	0.000	7517.27

Annotation

KOP, Begin 1.00°/100' Build

Hold 10.00° Inc at 220.13° Azm

Begin 1.00°/100' Drop

Begin Vertical Hold

KOP2, Begin 12.00°/100' Build

LP, Hold 90.00° Inc at 360.00° Azm

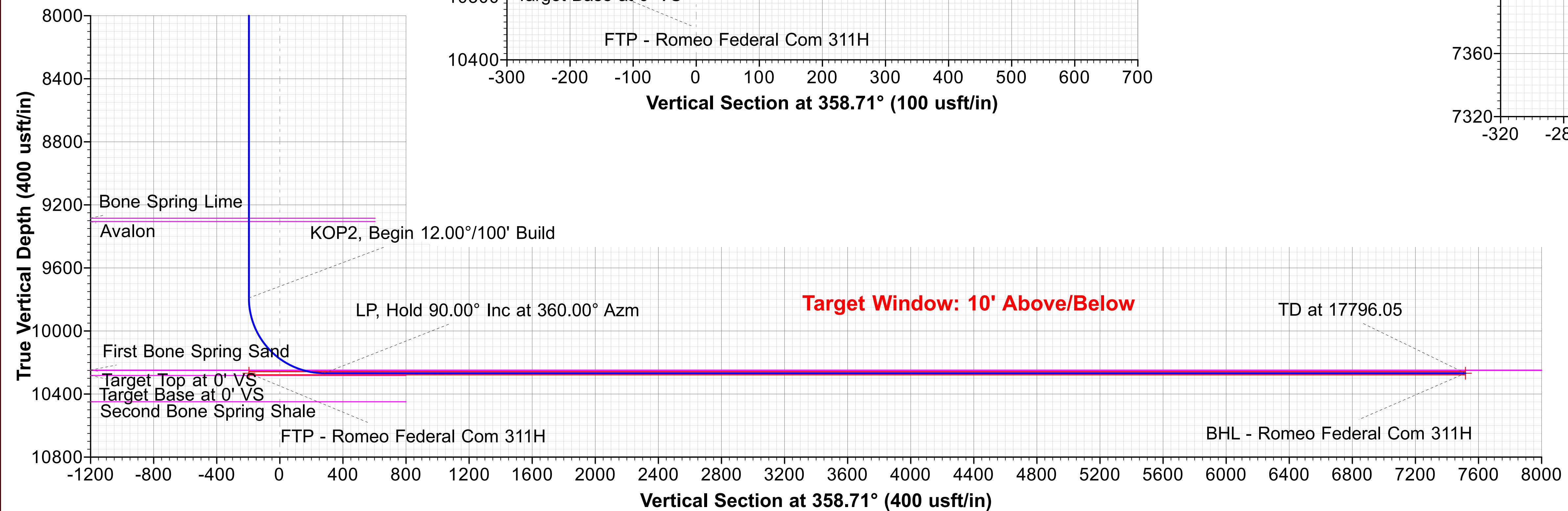
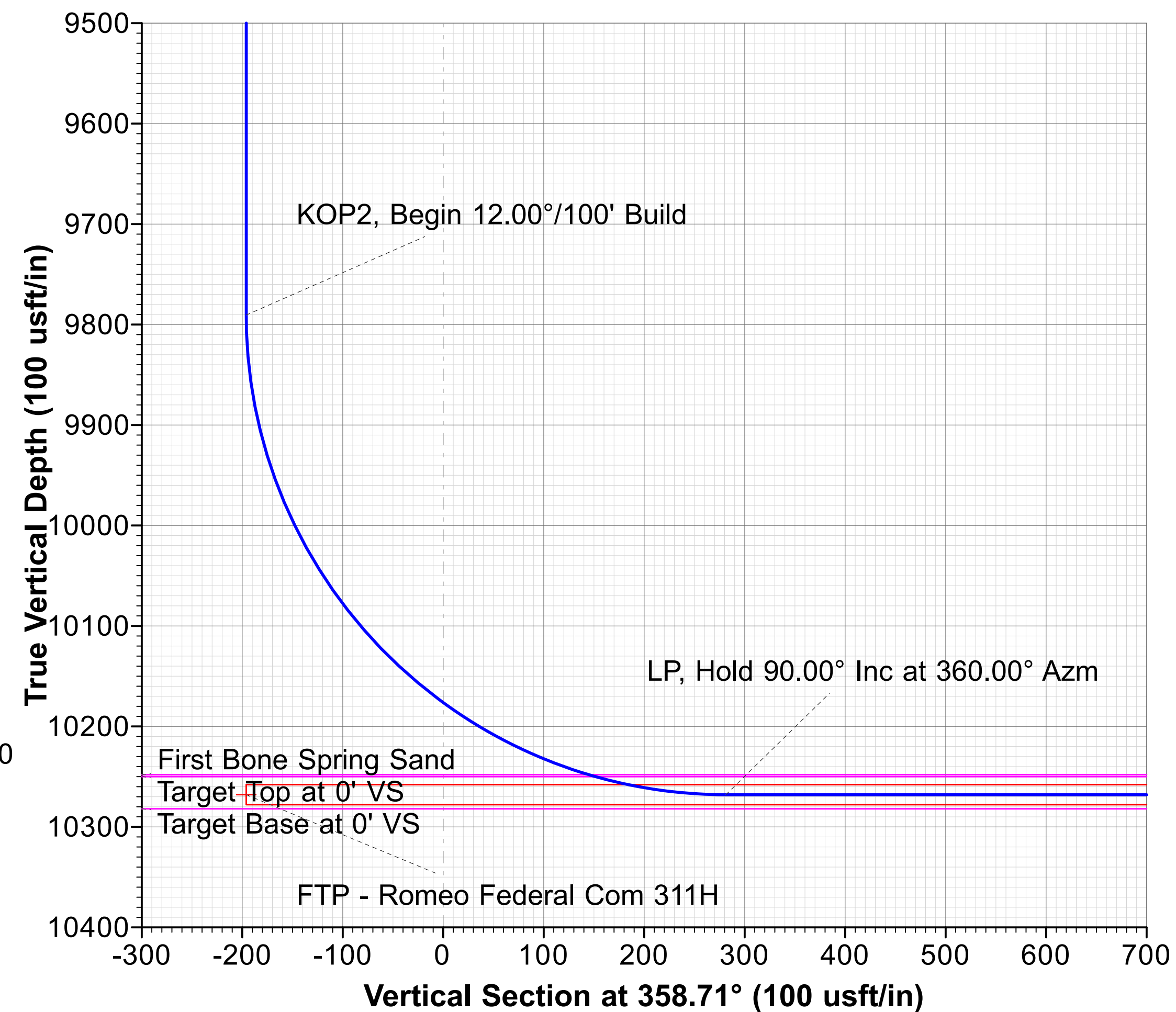
TD at 17796.05

BHL - Romeo Federal Com 311H

DESIGN TARGET DETAILS									
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude		
BHL - Romeo Federal Com 311H	10268.00	7515.38	-168.63	11695342.98	2114952.41	32° 12' 36.064273 N	103° 27' 55.002115 W		
FTP - Romeo Federal Com 311H	10268.00	-199.82	-168.45	11687629.66	2115062.73	32° 11' 19.720755 N	103° 27' 54.999807 W		

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
1088.00	1088.00	Rustler
1707.00	1707.00	Salado
3749.00	3764.74	BX BLM (Fletcher Anhydrite)
5368.00	5385.77	Lamar
5440.00	5457.77	Bell Canyon
6340.00	6357.77	Cherry Canyon
6558.00	6575.77	Manzanita Lime
7895.00	7912.77	Brushy Canyon
9285.00	9302.77	Bone Spring Lime
9306.00	9323.77	Avalon
10248.00	10419.61	First Bone Spring Sand
10250.00	10426.77	Target Top at 0' VS

LEGEND	
—	302H, OH, Plan 3 03-21-22 V0
—	312H, OH, Plan 1 03-30-22 V0
—	701H, OH / 67471, Surveys (H&P 313) V0
—	111H, OH, Plan 1 04-06-22 V0
—	513H, OH / 68319, Surveys (H&P 313) V0
—	313H, OH, Plan 1 04-06-22 V0
—	113H, OH, Plan 1 03-30-22 V0
—	503H, OH / 67470, Surveys (H&P 296) V0
—	703H, OH / 67430, Surveys (H&P 489) V0
—	703H, ST01 / 67430, Surveys (H&P 489) V0
—	1H, OH, Surveys V0
—	112H, OH, Plan 1 04-06-22 V0
—	Plan 1 04-06-22



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)

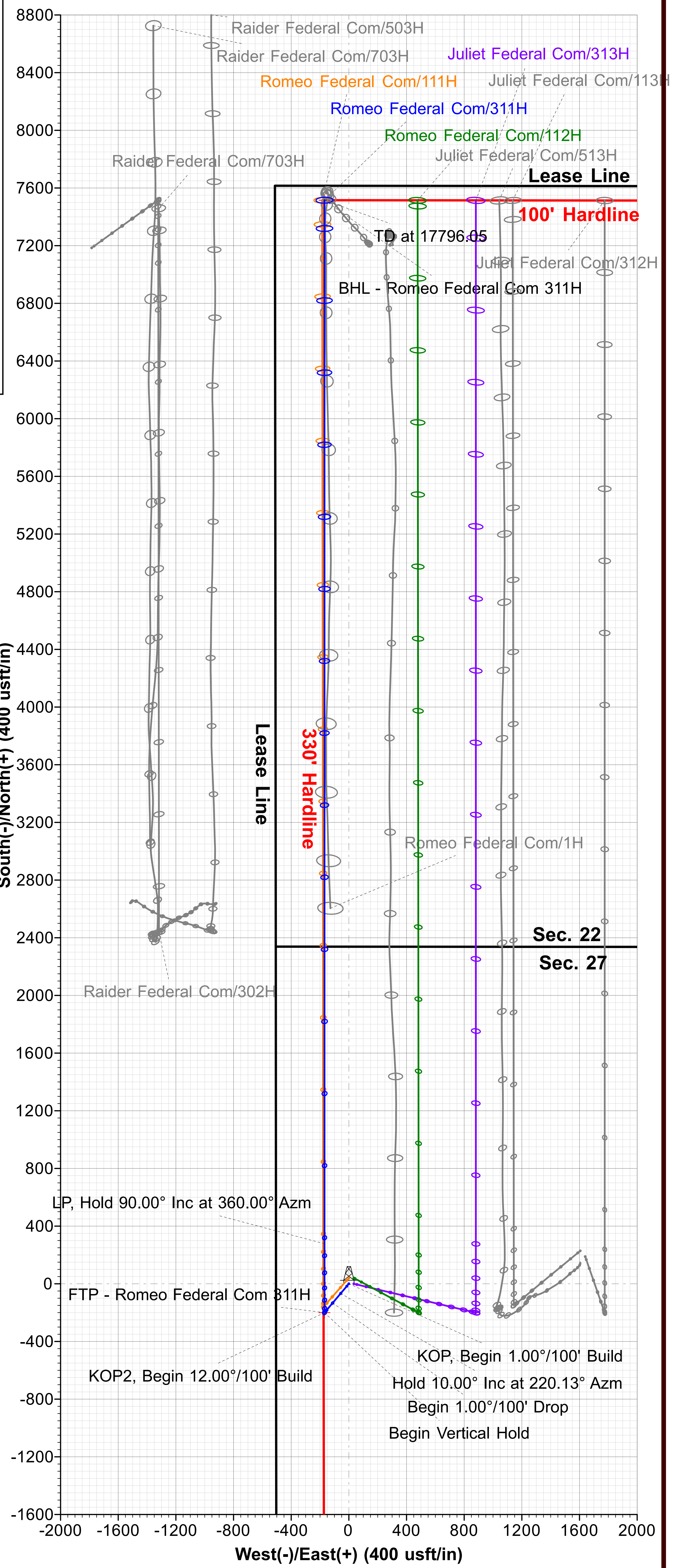
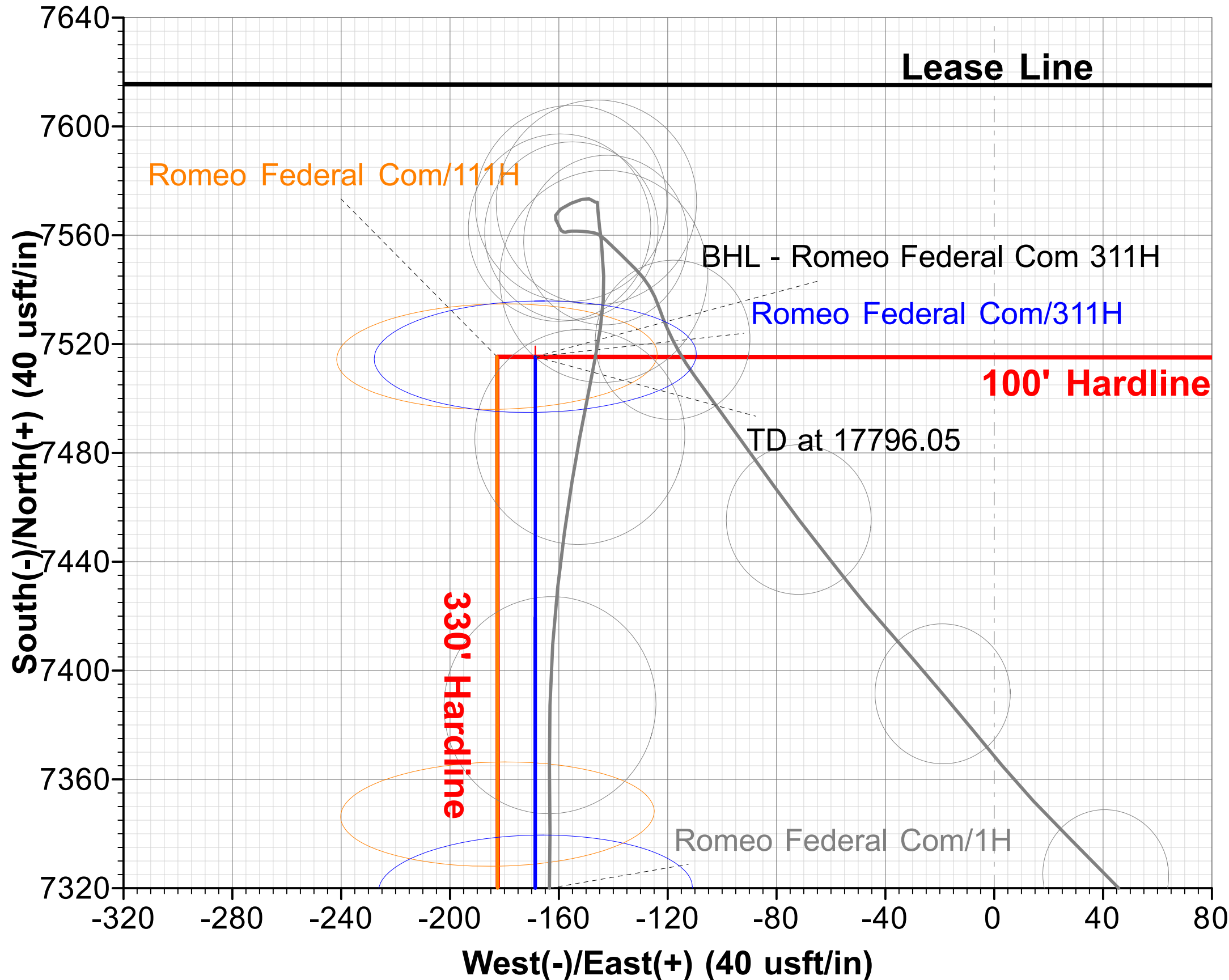
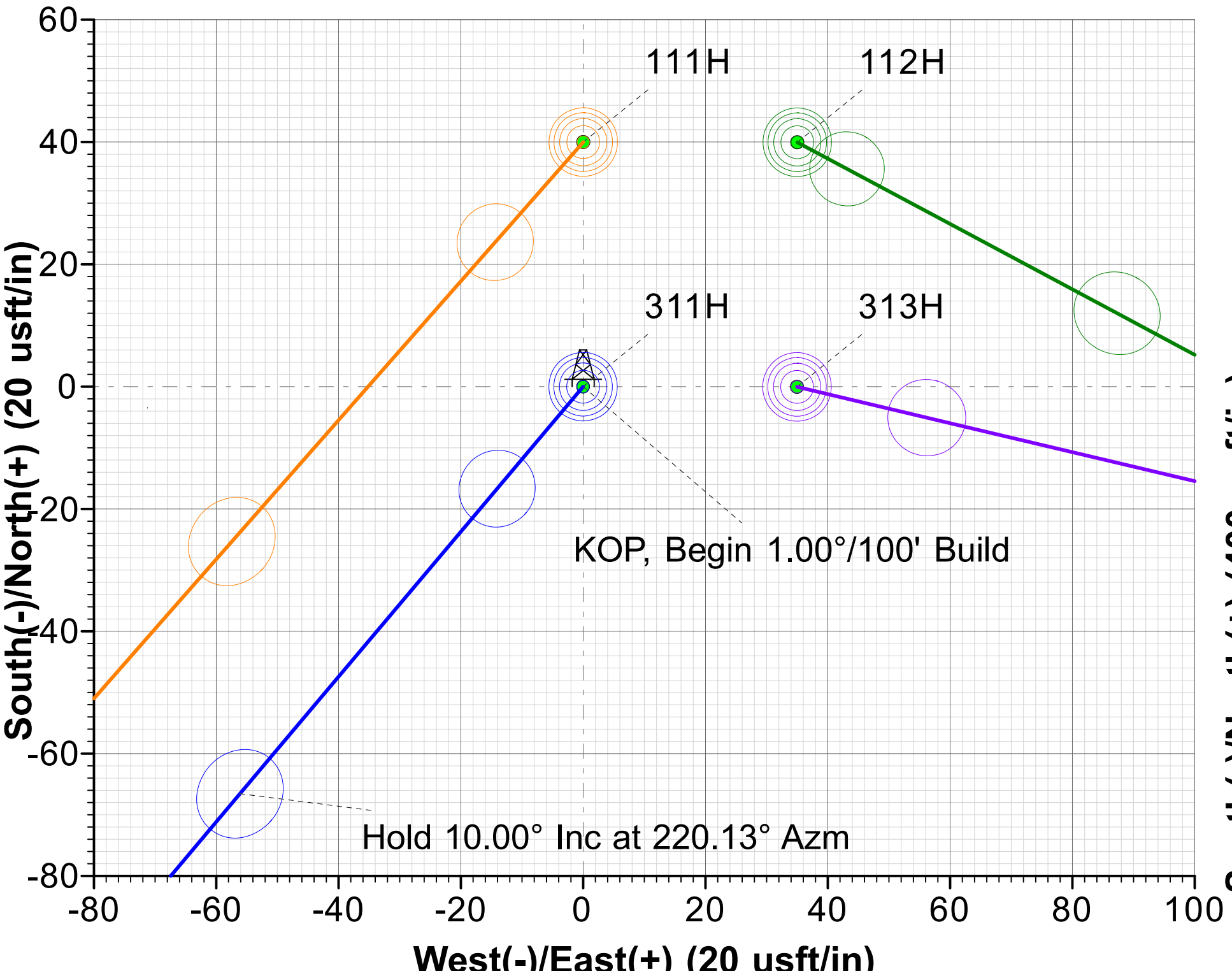
Local Origin: Well 311H, True North

Latitude: 32° 11' 21.698063 N
Longitude: 103° 27' 53.039649 W

Grid East: 2115228.29
Grid North: 11687831.84
Scale Factor: 1.000

Geomagnetic Model: MVHD
Sample Date: 05-Jun-22
Magnetic Declination: 6.307°
Dip Angle from Horizontal: 59.742°
Magnetic Field Strength: 47505.25132553nT

To convert a Magnetic Direction to a Grid Direction, Add 5.488°
To convert a Magnetic Direction to a True Direction, Add 6.307° East
To convert a True Direction to a Grid Direction, Subtract 0.818°





Centennial Resources Development, Inc.

**Lea County, NM (NAD83 - UTM Zone 13)
Romeo Federal Com
311H**

OH

Plan: Plan 1 04-06-22

Standard Planning Report

06 April, 2022





Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 311H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3490.00usft (TBD)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3490.00usft (TBD)
Site:	Romeo Federal Com	North Reference:	True
Well:	311H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 04-06-22		

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		Romeo Federal Com			
Site Position:		Northing:	11,695,049.42 usft	Latitude:	32° 12' 33.091838 N
From:	Map	Easting:	2,115,429.74 usft	Longitude:	103° 27' 49.495142 W
Position Uncertainty:		0.00 usft	Slot Radius:	13-3/16 "	

Well	311H					
Well Position	+N/-S	-7,214.98 usft	Northing:	11,687,831.84 usft	Latitude:	32° 11' 21.698063 N
	+E/-W	-304.64 usft	Easting:	2,115,228.29 usft	Longitude:	103° 27' 53.039649 W
Position Uncertainty		1.00 usft	Wellhead Elevation:		Ground Level:	3,464.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	6/5/2022	6.307	59.742	47,505.25132553

Design	Plan 1 04-06-22			
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	358.71

Plan Survey Tool Program	Date	4/6/2022		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	17,796.05	Plan 1 04-06-22 (OH)	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	
3,000.00	10.00	220.13	2,994.93	-66.55	-56.10	1.00	1.00	0.00	220.131	
3,502.53	10.00	220.13	3,489.83	-133.27	-112.35	0.00	0.00	0.00	0.000	
4,502.54	0.00	0.00	4,484.76	-199.82	-168.45	1.00	-1.00	0.00	180.000	
9,808.31	0.00	0.00	9,790.54	-199.82	-168.45	0.00	0.00	0.00	0.000	
10,558.31	90.00	360.00	10,268.01	277.64	-168.46	12.00	12.00	0.00	359.999	
17,796.05	90.00	360.00	10,268.00	7,515.38	-168.63	0.00	0.00	0.00	0.000	BHL - Romeo Fede



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 311H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3490.00usft (TBD)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3490.00usft (TBD)
Site:	Romeo Federal Com	North Reference:	True
Well:	311H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 04-06-22		

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
1,088.00	0.00	0.00	1,088.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
1,707.00	0.00	0.00	1,707.00	0.00	0.00	0.00	0.00	0.00	0.00
Salado									
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	220.13	2,099.99	-0.67	-0.56	-0.65	1.00	1.00	0.00
2,200.00	2.00	220.13	2,199.96	-2.67	-2.25	-2.62	1.00	1.00	0.00
2,300.00	3.00	220.13	2,299.86	-6.00	-5.06	-5.89	1.00	1.00	0.00
2,400.00	4.00	220.13	2,399.68	-10.67	-9.00	-10.47	1.00	1.00	0.00
2,500.00	5.00	220.13	2,499.37	-16.67	-14.05	-16.35	1.00	1.00	0.00
2,600.00	6.00	220.13	2,598.90	-24.00	-20.23	-23.54	1.00	1.00	0.00
2,700.00	7.00	220.13	2,698.26	-32.65	-27.53	-32.03	1.00	1.00	0.00
2,800.00	8.00	220.13	2,797.40	-42.63	-35.94	-41.82	1.00	1.00	0.00
2,900.00	9.00	220.13	2,896.30	-53.93	-45.47	-52.90	1.00	1.00	0.00
3,000.00	10.00	220.13	2,994.93	-66.55	-56.10	-65.28	1.00	1.00	0.00
Hold 10.00° Inc at 220.13° Azm									
3,100.00	10.00	220.13	3,093.41	-79.83	-67.30	-78.30	0.00	0.00	0.00
3,200.00	10.00	220.13	3,191.89	-93.11	-78.49	-91.32	0.00	0.00	0.00
3,300.00	10.00	220.13	3,290.37	-106.38	-89.68	-104.34	0.00	0.00	0.00
3,400.00	10.00	220.13	3,388.85	-119.66	-100.87	-117.37	0.00	0.00	0.00
3,500.00	10.00	220.13	3,487.33	-132.94	-112.07	-130.39	0.00	0.00	0.00
3,502.53	10.00	220.13	3,489.83	-133.27	-112.35	-130.72	0.00	0.00	0.00
Begin 1.00°/100' Drop									
3,600.00	9.03	220.13	3,585.95	-145.59	-122.73	-142.80	1.00	-1.00	0.00
3,700.00	8.03	220.13	3,684.85	-156.92	-132.29	-153.91	1.00	-1.00	0.00
3,764.74	7.38	220.13	3,749.00	-163.55	-137.88	-160.42	1.00	-1.00	0.00
BX BLM (Fletcher Anhydrite)									
3,800.00	7.03	220.13	3,783.99	-166.93	-140.73	-163.74	1.00	-1.00	0.00
3,900.00	6.03	220.13	3,883.34	-175.62	-148.05	-172.26	1.00	-1.00	0.00
4,000.00	5.03	220.13	3,982.87	-182.98	-154.26	-179.48	1.00	-1.00	0.00
4,100.00	4.03	220.13	4,082.56	-189.02	-159.34	-185.40	1.00	-1.00	0.00
4,200.00	3.03	220.13	4,182.37	-193.72	-163.31	-190.01	1.00	-1.00	0.00
4,300.00	2.03	220.13	4,282.27	-197.09	-166.15	-193.31	1.00	-1.00	0.00
4,400.00	1.03	220.13	4,382.23	-199.12	-167.86	-195.31	1.00	-1.00	0.00
4,500.00	0.03	220.13	4,482.23	-199.82	-168.45	-195.99	1.00	-1.00	0.00
4,502.53	0.00	0.00	4,484.76	-199.82	-168.45	-195.99	1.00	-1.00	0.00
Begin Vertical Hold									
4,600.00	0.00	0.00	4,582.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
4,700.00	0.00	0.00	4,682.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
4,800.00	0.00	0.00	4,782.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
4,900.00	0.00	0.00	4,882.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
5,000.00	0.00	0.00	4,982.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
5,100.00	0.00	0.00	5,082.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
5,200.00	0.00	0.00	5,182.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
5,300.00	0.00	0.00	5,282.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
5,385.77	0.00	0.00	5,368.00	-199.82	-168.45	-195.99	0.00	0.00	0.00
Lamar									
5,400.00	0.00	0.00	5,382.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
5,457.77	0.00	0.00	5,440.00	-199.82	-168.45	-195.99	0.00	0.00	0.00
Bell Canyon									
5,500.00	0.00	0.00	5,482.23	-199.82	-168.45	-195.99	0.00	0.00	0.00



Planning Report



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Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3490.00usft (TBD)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3490.00usft (TBD)
Site:	Romeo Federal Com	North Reference:	True
Well:	311H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 04-06-22		

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)
5,600.00	0.00	0.00	5,582.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
5,700.00	0.00	0.00	5,682.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
5,800.00	0.00	0.00	5,782.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
5,900.00	0.00	0.00	5,882.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
6,000.00	0.00	0.00	5,982.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
6,100.00	0.00	0.00	6,082.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
6,200.00	0.00	0.00	6,182.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
6,300.00	0.00	0.00	6,282.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
6,357.77	0.00	0.00	6,340.00	-199.82	-168.45	-195.99	0.00	0.00	0.00
Cherry Canyon									
6,400.00	0.00	0.00	6,382.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
6,500.00	0.00	0.00	6,482.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
6,575.77	0.00	0.00	6,558.00	-199.82	-168.45	-195.99	0.00	0.00	0.00
Manzanita Lime									
6,600.00	0.00	0.00	6,582.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
6,700.00	0.00	0.00	6,682.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
6,800.00	0.00	0.00	6,782.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
6,900.00	0.00	0.00	6,882.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
7,000.00	0.00	0.00	6,982.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
7,100.00	0.00	0.00	7,082.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
7,200.00	0.00	0.00	7,182.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
7,300.00	0.00	0.00	7,282.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
7,400.00	0.00	0.00	7,382.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
7,500.00	0.00	0.00	7,482.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
7,600.00	0.00	0.00	7,582.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
7,700.00	0.00	0.00	7,682.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
7,800.00	0.00	0.00	7,782.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
7,900.00	0.00	0.00	7,882.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
7,912.77	0.00	0.00	7,895.00	-199.82	-168.45	-195.99	0.00	0.00	0.00
Brushy Canyon									
8,000.00	0.00	0.00	7,982.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
8,100.00	0.00	0.00	8,082.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
8,200.00	0.00	0.00	8,182.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
8,300.00	0.00	0.00	8,282.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
8,400.00	0.00	0.00	8,382.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
8,500.00	0.00	0.00	8,482.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
8,600.00	0.00	0.00	8,582.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
8,700.00	0.00	0.00	8,682.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
8,800.00	0.00	0.00	8,782.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
8,900.00	0.00	0.00	8,882.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
9,000.00	0.00	0.00	8,982.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
9,100.00	0.00	0.00	9,082.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
9,200.00	0.00	0.00	9,182.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
9,300.00	0.00	0.00	9,282.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
9,302.77	0.00	0.00	9,285.00	-199.82	-168.45	-195.99	0.00	0.00	0.00
Bone Spring Lime									
9,323.77	0.00	0.00	9,306.00	-199.82	-168.45	-195.99	0.00	0.00	0.00
Avalon									
9,400.00	0.00	0.00	9,382.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
9,500.00	0.00	0.00	9,482.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
9,600.00	0.00	0.00	9,582.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
9,700.00	0.00	0.00	9,682.23	-199.82	-168.45	-195.99	0.00	0.00	0.00
9,800.00	0.00	0.00	9,782.23	-199.82	-168.45	-195.99	0.00	0.00	0.00



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 311H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3490.00usft (TBD)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3490.00usft (TBD)
Site:	Romeo Federal Com	North Reference:	True
Well:	311H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 04-06-22		

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)
9,808.31	0.00	0.00	9,790.54	-199.82	-168.45	-195.99	0.00	0.00	0.00
KOP2, Begin 12.00°/100' Build									
9,900.00	11.00	360.00	9,881.66	-191.05	-168.45	-187.22	12.00	12.00	0.00
10,000.00	23.00	360.00	9,977.12	-161.86	-168.45	-158.04	12.00	12.00	0.00
10,100.00	35.00	360.00	10,064.42	-113.46	-168.46	-109.66	12.00	12.00	0.00
10,200.00	47.00	360.00	10,139.75	-47.97	-168.46	-44.18	12.00	12.00	0.00
10,300.00	59.00	360.00	10,199.82	31.75	-168.46	35.52	12.00	12.00	0.00
10,400.00	71.00	360.00	10,242.00	122.21	-168.46	125.96	12.00	12.00	0.00
10,419.61	73.36	360.00	10,248.00	140.88	-168.46	144.63	12.00	12.00	0.00
First Bone Spring Sand									
10,426.77	74.22	360.00	10,250.00	147.76	-168.46	151.50	12.00	12.00	0.00
Target Top at 0' VS									
10,500.00	83.00	360.00	10,264.45	219.47	-168.46	223.20	12.00	12.00	0.00
10,558.31	90.00	360.00	10,268.01	277.64	-168.46	281.35	12.00	12.00	0.00
LP, Hold 90.00° Inc at 360.00° Azm									
10,600.00	90.00	360.00	10,268.01	319.33	-168.47	323.03	0.00	0.00	0.00
10,700.00	90.00	360.00	10,268.00	419.33	-168.47	423.00	0.00	0.00	0.00
10,800.00	90.00	360.00	10,268.00	519.33	-168.47	522.98	0.00	0.00	0.00
10,900.00	90.00	360.00	10,268.00	619.33	-168.47	622.95	0.00	0.00	0.00
11,000.00	90.00	360.00	10,268.00	719.33	-168.48	722.93	0.00	0.00	0.00
11,100.00	90.00	360.00	10,268.00	819.33	-168.48	822.90	0.00	0.00	0.00
11,200.00	90.00	360.00	10,268.00	919.33	-168.48	922.88	0.00	0.00	0.00
11,300.00	90.00	360.00	10,268.00	1,019.33	-168.48	1,022.85	0.00	0.00	0.00
11,400.00	90.00	360.00	10,268.00	1,119.33	-168.48	1,122.83	0.00	0.00	0.00
11,500.00	90.00	360.00	10,268.00	1,219.33	-168.49	1,222.80	0.00	0.00	0.00
11,600.00	90.00	360.00	10,268.00	1,319.33	-168.49	1,322.78	0.00	0.00	0.00
11,700.00	90.00	360.00	10,268.00	1,419.33	-168.49	1,422.75	0.00	0.00	0.00
11,800.00	90.00	360.00	10,268.00	1,519.33	-168.49	1,522.73	0.00	0.00	0.00
11,900.00	90.00	360.00	10,268.00	1,619.33	-168.50	1,622.70	0.00	0.00	0.00
12,000.00	90.00	360.00	10,268.00	1,719.33	-168.50	1,722.68	0.00	0.00	0.00
12,100.00	90.00	360.00	10,268.00	1,819.33	-168.50	1,822.65	0.00	0.00	0.00
12,200.00	90.00	360.00	10,268.00	1,919.33	-168.50	1,922.62	0.00	0.00	0.00
12,300.00	90.00	360.00	10,268.00	2,019.33	-168.51	2,022.60	0.00	0.00	0.00
12,400.00	90.00	360.00	10,268.00	2,119.33	-168.51	2,122.57	0.00	0.00	0.00
12,500.00	90.00	360.00	10,268.00	2,219.33	-168.51	2,222.55	0.00	0.00	0.00
12,600.00	90.00	360.00	10,268.00	2,319.33	-168.51	2,322.52	0.00	0.00	0.00
12,700.00	90.00	360.00	10,268.00	2,419.33	-168.52	2,422.50	0.00	0.00	0.00
12,800.00	90.00	360.00	10,268.00	2,519.33	-168.52	2,522.47	0.00	0.00	0.00
12,900.00	90.00	360.00	10,268.00	2,619.33	-168.52	2,622.45	0.00	0.00	0.00
13,000.00	90.00	360.00	10,268.00	2,719.33	-168.52	2,722.42	0.00	0.00	0.00
13,100.00	90.00	360.00	10,268.00	2,819.33	-168.52	2,822.40	0.00	0.00	0.00
13,200.00	90.00	360.00	10,268.00	2,919.33	-168.53	2,922.37	0.00	0.00	0.00
13,300.00	90.00	360.00	10,268.00	3,019.33	-168.53	3,022.35	0.00	0.00	0.00
13,400.00	90.00	360.00	10,268.00	3,119.33	-168.53	3,122.32	0.00	0.00	0.00
13,500.00	90.00	360.00	10,268.00	3,219.33	-168.53	3,222.30	0.00	0.00	0.00
13,600.00	90.00	360.00	10,268.00	3,319.33	-168.54	3,322.27	0.00	0.00	0.00
13,700.00	90.00	360.00	10,268.00	3,419.33	-168.54	3,422.25	0.00	0.00	0.00
13,800.00	90.00	360.00	10,268.00	3,519.33	-168.54	3,522.22	0.00	0.00	0.00
13,900.00	90.00	360.00	10,268.00	3,619.33	-168.54	3,622.20	0.00	0.00	0.00
14,000.00	90.00	360.00	10,268.00	3,719.33	-168.55	3,722.17	0.00	0.00	0.00
14,100.00	90.00	360.00	10,268.00	3,819.33	-168.55	3,822.15	0.00	0.00	0.00
14,200.00	90.00	360.00	10,268.00	3,919.33	-168.55	3,922.12	0.00	0.00	0.00
14,300.00	90.00	360.00	10,268.00	4,019.33	-168.55	4,022.10	0.00	0.00	0.00



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 311H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3490.00usft (TBD)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3490.00usft (TBD)
Site:	Romeo Federal Com	North Reference:	True
Well:	311H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 04-06-22		

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)
14,400.00	90.00	360.00	10,268.00	4,119.33	-168.56	4,122.07	0.00	0.00	0.00
14,500.00	90.00	360.00	10,268.00	4,219.33	-168.56	4,222.05	0.00	0.00	0.00
14,600.00	90.00	360.00	10,268.00	4,319.33	-168.56	4,322.02	0.00	0.00	0.00
14,700.00	90.00	360.00	10,268.00	4,419.33	-168.56	4,422.00	0.00	0.00	0.00
14,800.00	90.00	360.00	10,268.00	4,519.33	-168.56	4,521.97	0.00	0.00	0.00
14,900.00	90.00	360.00	10,268.00	4,619.33	-168.57	4,621.95	0.00	0.00	0.00
15,000.00	90.00	360.00	10,268.00	4,719.33	-168.57	4,721.92	0.00	0.00	0.00
15,100.00	90.00	360.00	10,268.00	4,819.33	-168.57	4,821.90	0.00	0.00	0.00
15,200.00	90.00	360.00	10,268.00	4,919.33	-168.57	4,921.87	0.00	0.00	0.00
15,300.00	90.00	360.00	10,268.00	5,019.33	-168.58	5,021.85	0.00	0.00	0.00
15,400.00	90.00	360.00	10,268.00	5,119.33	-168.58	5,121.82	0.00	0.00	0.00
15,500.00	90.00	360.00	10,268.00	5,219.33	-168.58	5,221.80	0.00	0.00	0.00
15,600.00	90.00	360.00	10,268.00	5,319.33	-168.58	5,321.77	0.00	0.00	0.00
15,700.00	90.00	360.00	10,268.00	5,419.33	-168.59	5,421.75	0.00	0.00	0.00
15,800.00	90.00	360.00	10,268.00	5,519.33	-168.59	5,521.72	0.00	0.00	0.00
15,900.00	90.00	360.00	10,268.00	5,619.33	-168.59	5,621.70	0.00	0.00	0.00
16,000.00	90.00	360.00	10,268.00	5,719.33	-168.59	5,721.67	0.00	0.00	0.00
16,100.00	90.00	360.00	10,268.00	5,819.33	-168.60	5,821.65	0.00	0.00	0.00
16,200.00	90.00	360.00	10,268.00	5,919.33	-168.60	5,921.62	0.00	0.00	0.00
16,300.00	90.00	360.00	10,268.00	6,019.33	-168.60	6,021.60	0.00	0.00	0.00
16,400.00	90.00	360.00	10,268.00	6,119.33	-168.60	6,121.57	0.00	0.00	0.00
16,500.00	90.00	360.00	10,268.00	6,219.33	-168.60	6,221.55	0.00	0.00	0.00
16,600.00	90.00	360.00	10,268.00	6,319.33	-168.61	6,321.52	0.00	0.00	0.00
16,700.00	90.00	360.00	10,268.00	6,419.33	-168.61	6,421.49	0.00	0.00	0.00
16,800.00	90.00	360.00	10,268.00	6,519.33	-168.61	6,521.47	0.00	0.00	0.00
16,900.00	90.00	360.00	10,268.00	6,619.33	-168.61	6,621.44	0.00	0.00	0.00
17,000.00	90.00	360.00	10,268.00	6,719.33	-168.62	6,721.42	0.00	0.00	0.00
17,100.00	90.00	360.00	10,268.00	6,819.33	-168.62	6,821.39	0.00	0.00	0.00
17,200.00	90.00	360.00	10,268.00	6,919.33	-168.62	6,921.37	0.00	0.00	0.00
17,300.00	90.00	360.00	10,268.00	7,019.33	-168.62	7,021.34	0.00	0.00	0.00
17,400.00	90.00	360.00	10,268.00	7,119.33	-168.63	7,121.32	0.00	0.00	0.00
17,500.00	90.00	360.00	10,268.00	7,219.33	-168.63	7,221.29	0.00	0.00	0.00
17,600.00	90.00	360.00	10,268.00	7,319.33	-168.63	7,321.27	0.00	0.00	0.00
17,700.00	90.00	360.00	10,268.00	7,419.33	-168.63	7,421.24	0.00	0.00	0.00
17,796.05	90.00	360.00	10,268.00	7,515.38	-168.63	7,517.27	0.00	0.00	0.00
TD at 17796.05									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
BHL - Romeo Federal	0.00	0.00	10,268.00	7,515.38	-168.63	11,695,342.98	2,114,952.41	12° 12' 36.064273 N	3° 27' 55.002115 W
- plan hits target center									
- Rectangle (sides W0.00 H7,715.20 D20.00)									
FTP - Romeo Federal	0.00	0.00	10,268.00	-199.82	-168.45	11,687,629.66	2,115,062.73	32° 11' 19.720755 N	3° 27' 54.999807 W
- plan misses target center by 198.45usft at 10197.16usft MD (10137.80 TVD, -50.05 N, -168.46 E)									
- Point									



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 311H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3490.00usft (TBD)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3490.00usft (TBD)
Site:	Romeo Federal Com	North Reference:	True
Well:	311H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 04-06-22		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,088.00	1,088.00	Rustler				
1,707.00	1,707.00	Salado				
3,764.74	3,749.00	BX BLM (Fletcher Anhydrite)				
5,385.77	5,368.00	Lamar				
5,457.77	5,440.00	Bell Canyon				
6,357.77	6,340.00	Cherry Canyon				
6,575.77	6,558.00	Manzanita Lime				
7,912.77	7,895.00	Brushy Canyon				
9,302.77	9,285.00	Bone Spring Lime				
9,323.77	9,306.00	Avalon				
10,419.61	10,248.00	First Bone Spring Sand				
10,426.77	10,250.00	Target Top at 0' VS				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
2,000.00	2,000.00	0.00	0.00	KOP, Begin 1.00°/100' Build	
3,000.00	2,994.93	-66.55	-56.10	Hold 10.00° Inc at 220.13° Azm	
3,502.53	3,489.83	-133.27	-112.35	Begin 1.00°/100' Drop	
4,502.53	4,484.76	-199.82	-168.45	Begin Vertical Hold	
9,808.31	9,790.54	-199.82	-168.45	KOP2, Begin 12.00°/100' Build	
10,558.31	10,268.01	277.64	-168.46	LP, Hold 90.00° Inc at 360.00° Azm	
17,796.05	10,268.00	7,515.38	-168.63	TD at 17796.05	

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 133554

CONDITIONS

Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 133554
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	8/12/2022