

Well Name: ROMEO FEDERAL COM	Well Location: T24S / R34E / SEC 27 / SWNW /	County or Parish/State:
Well Number: 112H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM77090	Unit or CA Name:	Unit or CA Number:
US Well Number:	Well Status: Approved Application for Permit to Drill	Operator: CENTENNIAL RESOURCE PRODUCTION LLC

Notice of Intent

Sundry ID: 2670060

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 05/09/2022	Time Sundry Submitted: 08:28
Date proposed operation will begin: 11/01/2023	

Procedure Description: Centennial Resource Production, LLC requests to move the original SHL 110' to the South. The new SHL will be 2298 FNL & 540 FWL. Please see attached updated directional plans and well plat to reflect these changes.

NOI Attachments

Procedure Description

- Romeo_Federal_Com_112H___Updated_Well_Plat_SBMT_20220505161836.pdf
- Romeo_Federal_Com_112H___Plan_1_04_06_22_20220504114155.pdf

Well Name: ROMEO FEDERAL COM	Well Location: T24S / R34E / SEC 27 / SWNW /	County or Parish/State:
Well Number: 112H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM77090	Unit or CA Name:	Unit or CA Number:
US Well Number:	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 09, 2022 08:28 AM
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: CODY LAYTON	BLM POC Title: Assistant Field Manager Lands & Minerals
BLM POC Phone: 5752345959	BLM POC Email Address: clayton@blm.gov
Disposition: Approved	Disposition Date: 06/16/2022
Signature: Cody R. Layton	

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

RED HILLS; BONE
SPRING, NORTH

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code 96434	³ Pool Name +Ojo Chiso, Bone Spring++	
⁴ Property Code	⁵ Property Name ROMEO FEDERAL COM			⁶ Well Number 112H
⁷ OGRID No. 372165	⁸ Operator Name CENTENNIAL RESOURCE PRODUCTION, LLC			⁹ Elevation 3464.4'

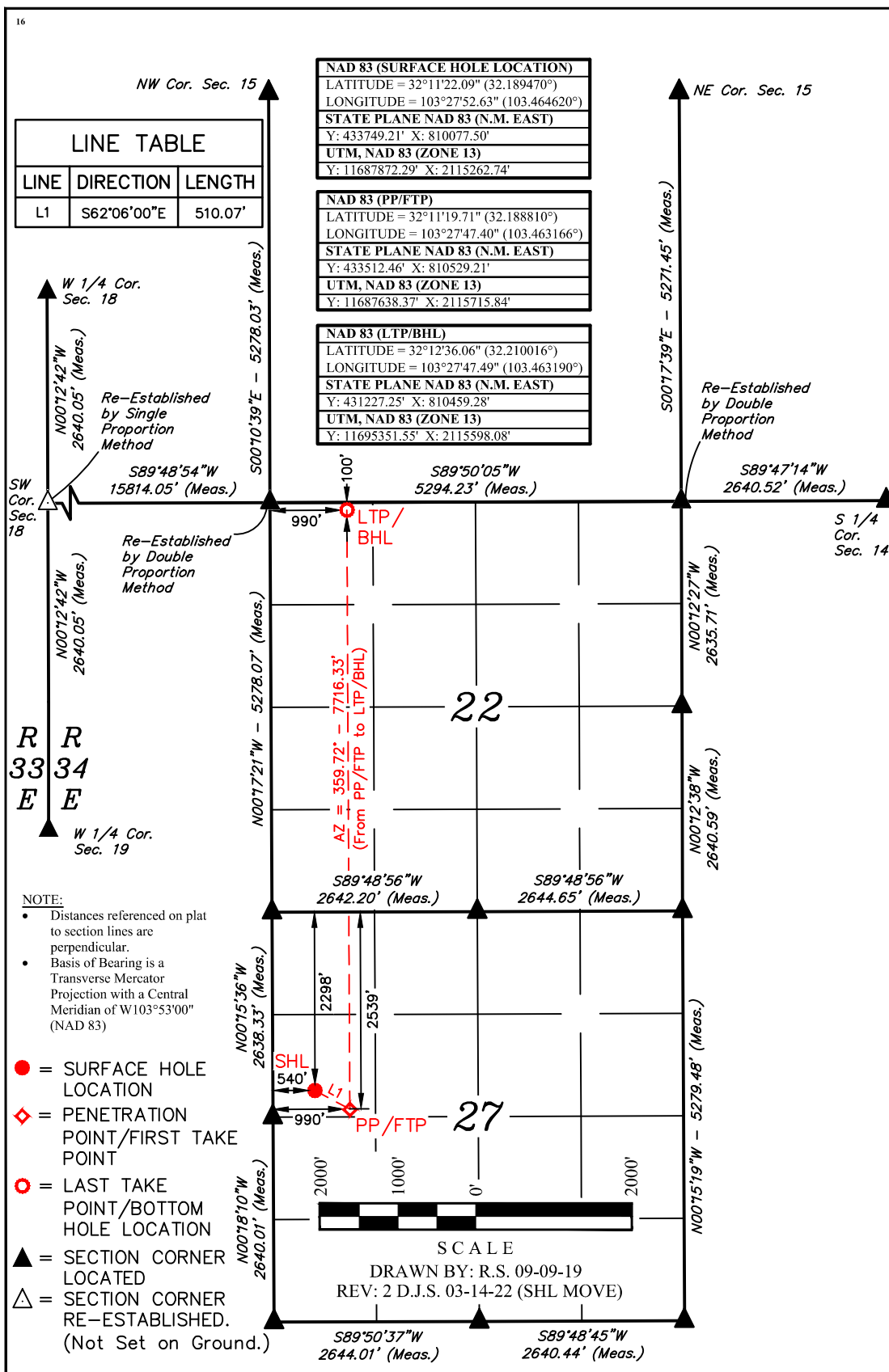
¹⁰Surface Location

UL or lot no. E	Section 27	Township 24S	Range 34E	Lot Idn	Feet from the 2298	North/South line NORTH	Feet from the 540	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 990	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

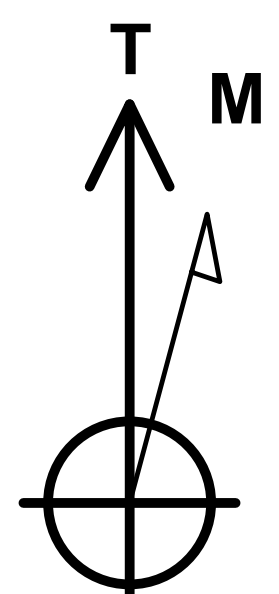
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JULY 01, 2020

Date of Survey _____
Signature and Seal of Professional Surveyor: _____



Certificate Number:



RKB @ 3490.40usft (TBD)
Ground Level: 3464.40

WELL DETAILS									
	+N/-S	+E/-W	Northing	Ground Level	Easting	Latitude	Longitude		
	0.00	0.00	11687872.29	3464.40	2115262.74	32° 11' 22.093473 N	103° 27' 52.632042 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	2075.00	0.00	0.00	2075.00	0.00	0.00	0.00	0.000	0.00
3	3075.00	10.00	118.12	3069.93	-41.03	76.77	1.00	118.124	-36.43
4	5009.38	10.00	118.12	4974.92	-199.37	373.01	0.00	0.000	-176.99
5	6009.38	0.00	0.00	5969.85	-240.40	449.78	1.00	180.000	-213.42
6	9052.47	0.00	0.00	9012.94	-240.40	449.78	0.00	0.000	-213.42
7	9802.47	90.00	359.94	9490.40	237.07	449.31	12.00	359.943	263.18
8	17040.17	90.00	359.94	9490.40	7474.77	442.16	0.00	0.000	7487.83
									BHL - Romeo Federal Com 112H

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
BHL - Romeo Federal Com 112H	9490.40	7474.77	442.16	11695351.55	2115598.08	32° 12' 36.057771 N	103° 27' 47.485502 W
FTP - Romeo Federal Com 112H	9490.40	-240.40	449.78	11687638.37	2115715.84	32° 11' 19.714639 N	103° 27' 47.398338 W

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
1098.40	1098.40	Rustler
1717.40	1717.40	Salado
3759.40	3775.11	BX BLM (Fletcher Anhydrite)
5378.40	5416.87	Lamar
5450.40	5489.21	Bell Canyon
6350.40	6389.93	Cherry Canyon
6568.40	6607.93	Manzanita Lime
7905.40	7944.93	Brushy Canyon
9295.40	9354.71	Bone Spring Lime
9316.40	9381.32	Avalon
9476.40	9686.54	Target Top at 0° VS

LEGEND	
—	114H, OH, Plan 1 03-30-22 V0
—	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
—	311H, 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
—	1H, OH, Surveys 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)

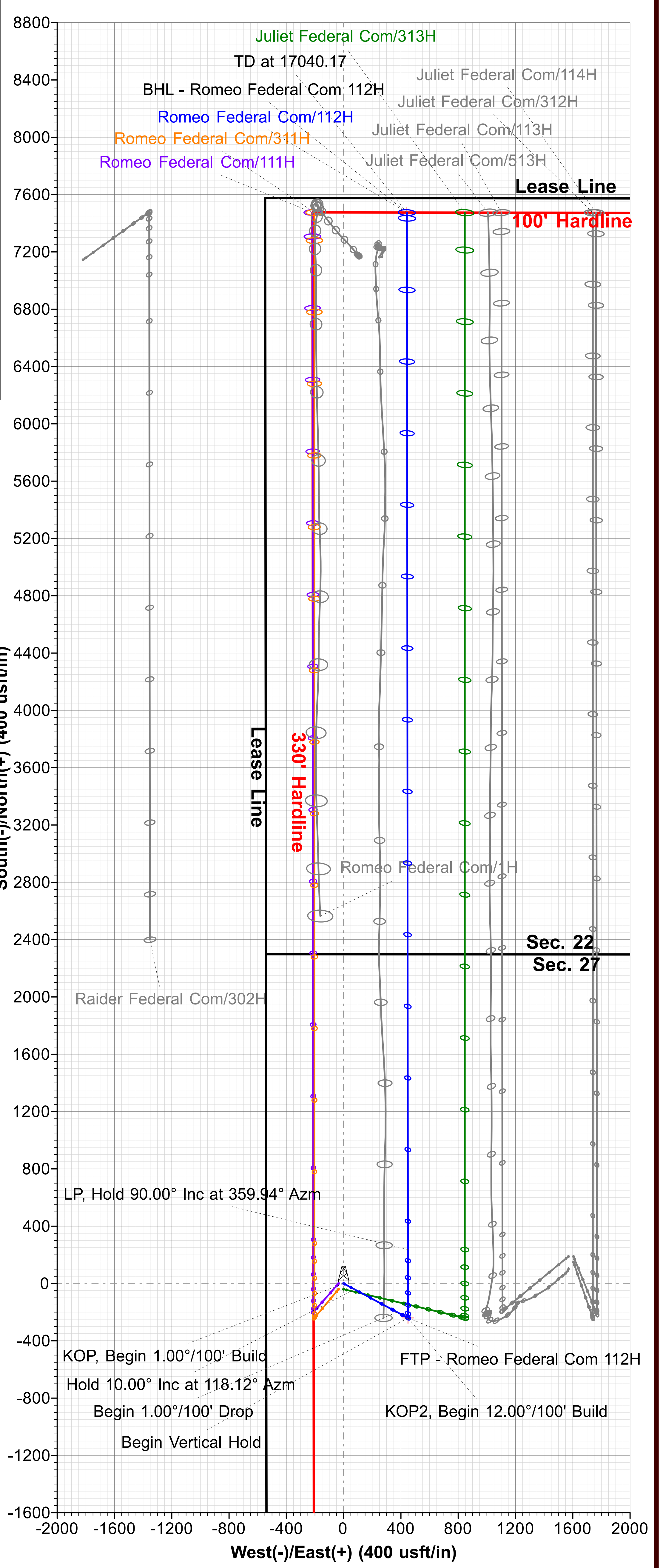
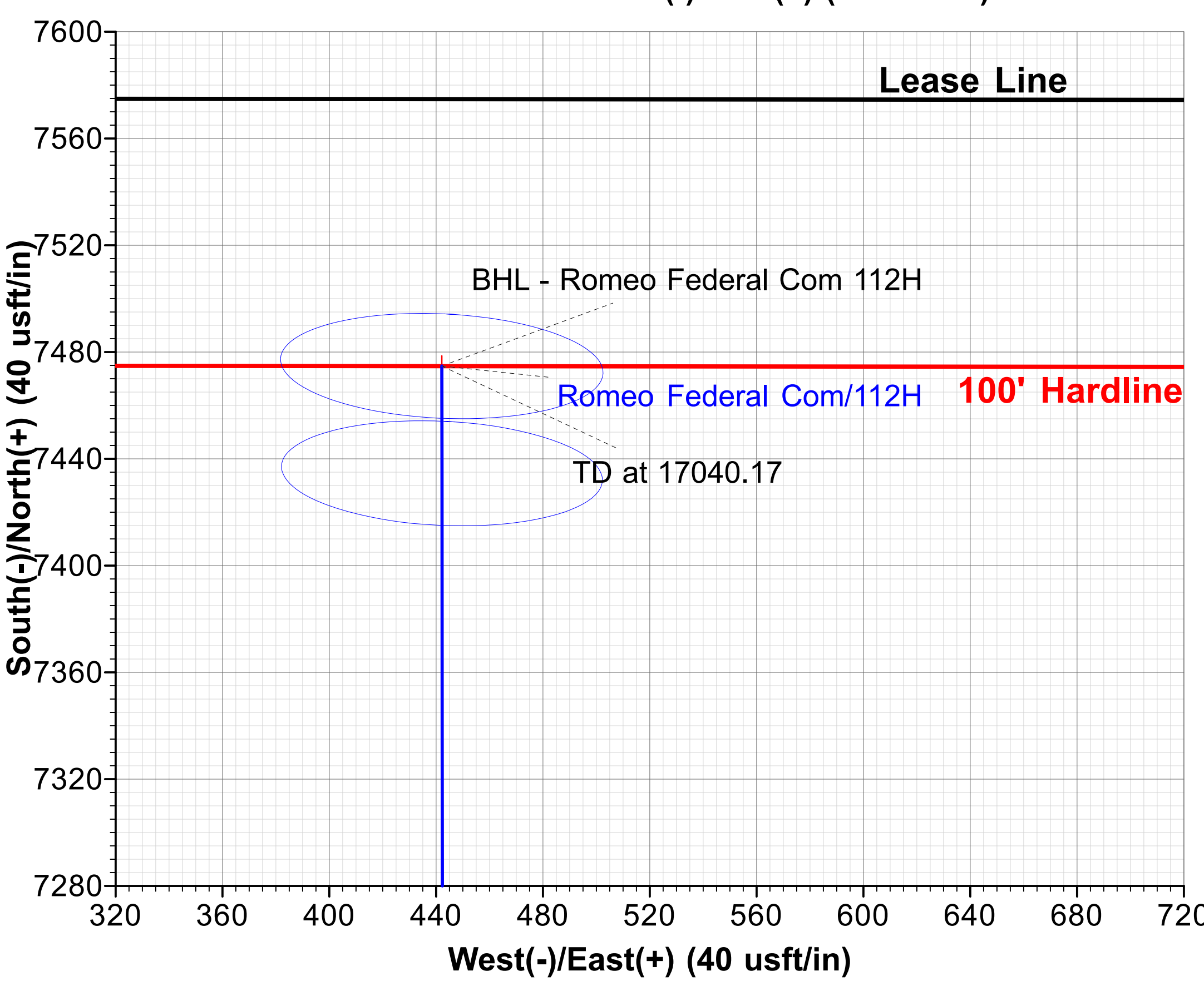
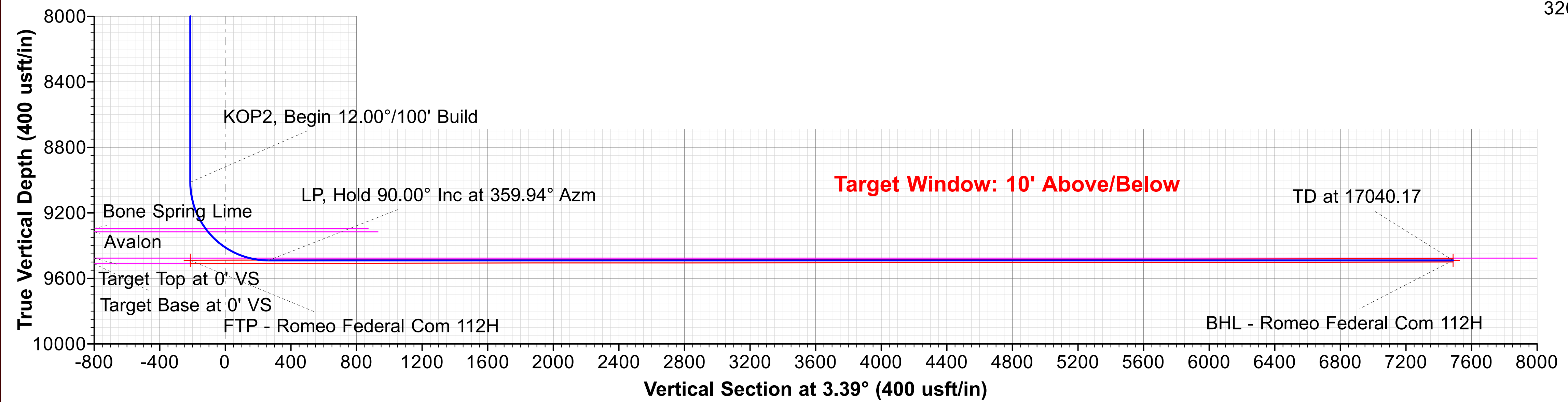
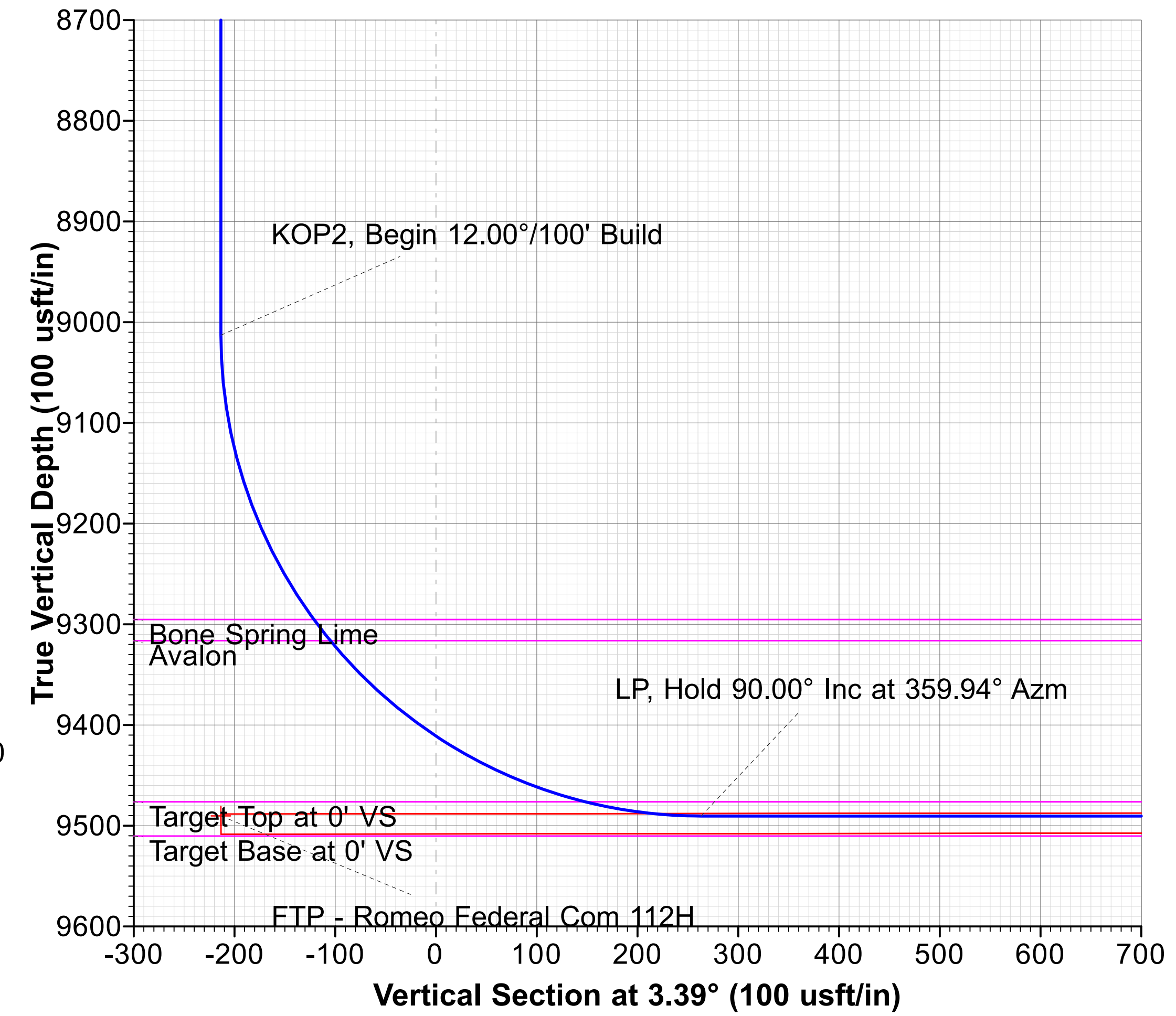
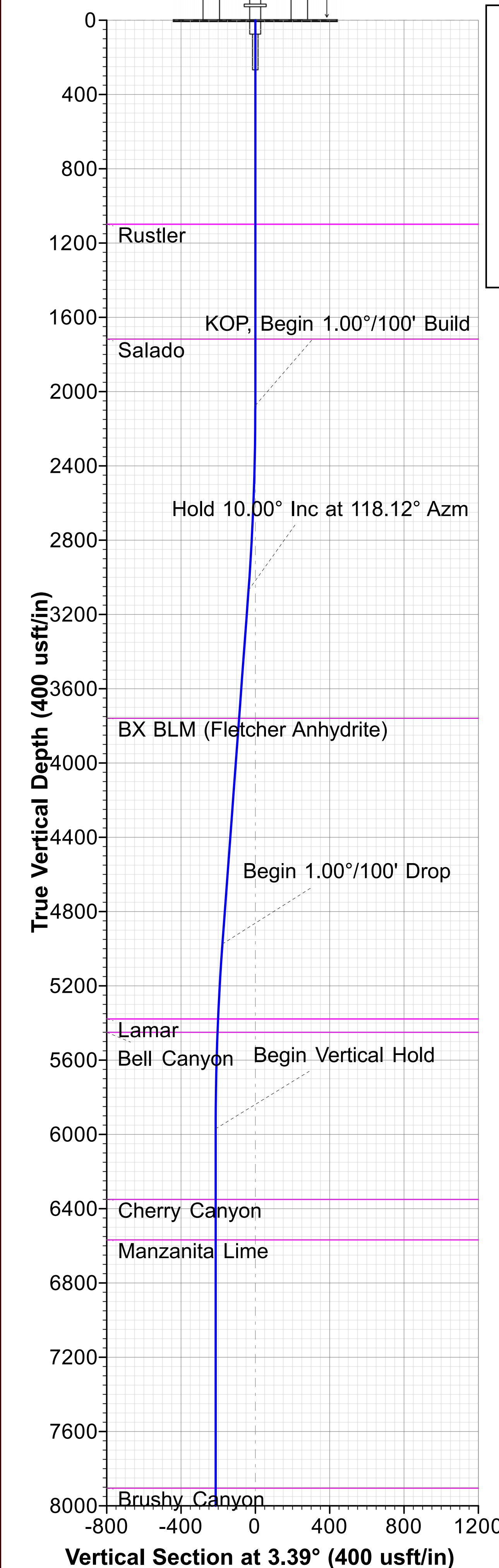
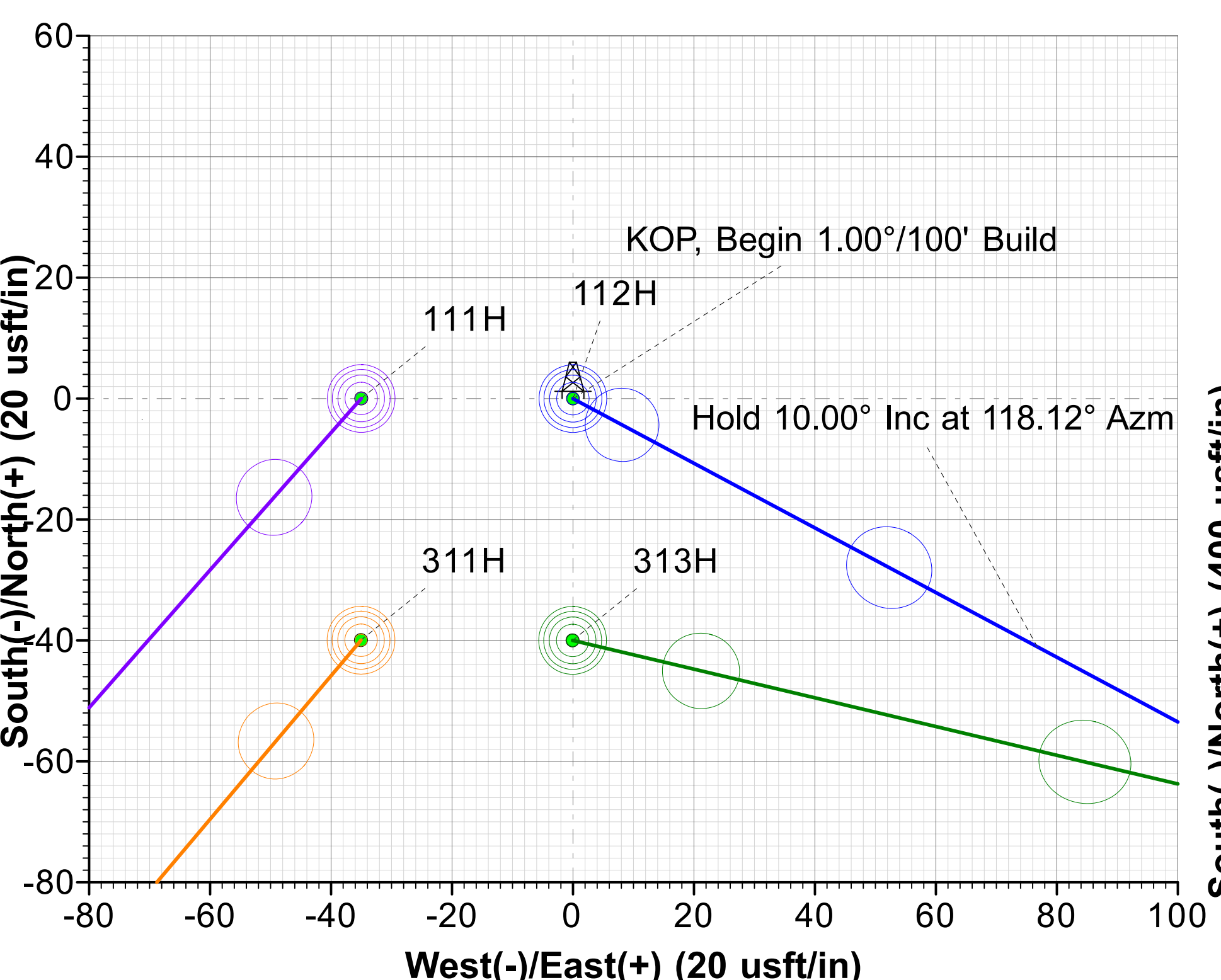
Local Origin: Well 112H, True North

Latitude: 32° 11' 22.093473 N
Longitude: 103° 27' 52.632042 W

Grid East: 2115262.74
Grid North: 11687872.29
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: 47505.35088666nT

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
112H**

OH

Plan: Plan 1 04-06-22

Standard Planning Report

06 April, 2022





Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 112H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3490.40usft (TBD)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3490.40usft (TBD)
Site:	Romeo Federal Com	North Reference:	True
Well:	112H	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
From:	Map	Easting:	2,115,429.74 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 12' 33.091838 N
		Longitude:	103° 27' 49.495142 W

Well	112H		
Well Position	+N/-S	-7,175.02 usft	Northing: 11,687,872.29 usft
	+E/-W	-269.62 usft	Easting: 2,115,262.74 usft
Position Uncertainty	1.00 usft	Wellhead Elevation:	Latitude: 32° 11' 22.093473 N
			Longitude: 103° 27' 52.632042 W
			Ground Level: 3,464.40 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	MVHD	6/5/2022	6.307
			Dip Angle (°) 59.742
			Field Strength (nT) 47,505.35088666

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)
	0.00	0.00	0.00
			Direction (°) 3.39

Plan Survey Tool Program	Date	4/6/2022		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	17,040.17	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	
2,075.00	0.00	0.00	2,075.00	0.00	0.00	0.00	0.00	0.00	0.000	
3,075.00	10.00	118.12	3,069.93	-41.03	76.77	1.00	1.00	0.00	118.124	
5,009.38	10.00	118.12	4,974.92	-199.37	373.01	0.00	0.00	0.00	0.000	
6,009.38	0.00	0.00	5,969.85	-240.40	449.78	1.00	-1.00	0.00	180.000	
9,052.47	0.00	0.00	9,012.94	-240.40	449.78	0.00	0.00	0.00	0.000	
9,802.47	90.00	359.94	9,490.41	237.07	449.31	12.00	12.00	-0.01	359.943	
17,040.17	90.00	359.94	9,490.40	7,474.77	442.16	0.00	0.00	0.00	0.000	BHL - Romeo Fede



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 112H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3490.40usft (TBD)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3490.40usft (TBD)
Site:	Romeo Federal Com	North Reference:	True
Well:	112H	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
1,098.40	0.00	0.00	1,098.40	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
1,717.40	0.00	0.00	1,717.40	0.00	0.00	0.00	0.00	0.00	0.00
Salado									
2,075.00	0.00	0.00	2,075.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP, Begin 1.00°/100' Build									
2,100.00	0.25	118.12	2,100.00	-0.03	0.05	-0.02	1.00	1.00	0.00
2,200.00	1.25	118.12	2,199.99	-0.64	1.20	-0.57	1.00	1.00	0.00
2,300.00	2.25	118.12	2,299.94	-2.08	3.90	-1.85	1.00	1.00	0.00
2,400.00	3.25	118.12	2,399.83	-4.34	8.13	-3.86	1.00	1.00	0.00
2,500.00	4.25	118.12	2,499.61	-7.43	13.90	-6.59	1.00	1.00	0.00
2,600.00	5.25	118.12	2,599.27	-11.33	21.20	-10.06	1.00	1.00	0.00
2,700.00	6.25	118.12	2,698.76	-16.05	30.03	-14.25	1.00	1.00	0.00
2,800.00	7.25	118.12	2,798.07	-21.59	40.40	-19.17	1.00	1.00	0.00
2,900.00	8.25	118.12	2,897.15	-27.95	52.29	-24.81	1.00	1.00	0.00
3,000.00	9.25	118.12	2,995.99	-35.12	65.71	-31.18	1.00	1.00	0.00
3,075.00	10.00	118.12	3,069.93	-41.03	76.77	-36.43	1.00	1.00	0.00
Hold 10.00° Inc at 118.12° Azm									
3,100.00	10.00	118.12	3,094.55	-43.08	80.60	-38.24	0.00	0.00	0.00
3,200.00	10.00	118.12	3,193.03	-51.26	95.91	-45.51	0.00	0.00	0.00
3,300.00	10.00	118.12	3,291.51	-59.45	111.23	-52.78	0.00	0.00	0.00
3,400.00	10.00	118.12	3,389.99	-67.63	126.54	-60.04	0.00	0.00	0.00
3,500.00	10.00	118.12	3,488.47	-75.82	141.85	-67.31	0.00	0.00	0.00
3,600.00	10.00	118.12	3,586.95	-84.00	157.17	-74.58	0.00	0.00	0.00
3,700.00	10.00	118.12	3,685.44	-92.19	172.48	-81.84	0.00	0.00	0.00
3,775.11	10.00	118.12	3,759.40	-98.34	183.99	-87.30	0.00	0.00	0.00
BX BLM (Fletcher Anhydrite)									
3,800.00	10.00	118.12	3,783.92	-100.38	187.80	-89.11	0.00	0.00	0.00
3,900.00	10.00	118.12	3,882.40	-108.56	203.11	-96.38	0.00	0.00	0.00
4,000.00	10.00	118.12	3,980.88	-116.75	218.43	-103.64	0.00	0.00	0.00
4,100.00	10.00	118.12	4,079.36	-124.93	233.74	-110.91	0.00	0.00	0.00
4,200.00	10.00	118.12	4,177.84	-133.12	249.06	-118.18	0.00	0.00	0.00
4,300.00	10.00	118.12	4,276.32	-141.30	264.37	-125.44	0.00	0.00	0.00
4,400.00	10.00	118.12	4,374.80	-149.49	279.69	-132.71	0.00	0.00	0.00
4,500.00	10.00	118.12	4,473.28	-157.67	295.00	-139.98	0.00	0.00	0.00
4,600.00	10.00	118.12	4,571.76	-165.86	310.31	-147.25	0.00	0.00	0.00
4,700.00	10.00	118.12	4,670.24	-174.04	325.63	-154.51	0.00	0.00	0.00
4,800.00	10.00	118.12	4,768.72	-182.23	340.94	-161.78	0.00	0.00	0.00
4,900.00	10.00	118.12	4,867.21	-190.42	356.26	-169.05	0.00	0.00	0.00
5,000.00	10.00	118.12	4,965.69	-198.60	371.57	-176.31	0.00	0.00	0.00
5,009.38	10.00	118.12	4,974.92	-199.37	373.01	-176.99	0.00	0.00	0.00
Begin 1.00°/100' Drop									
5,100.00	9.09	118.12	5,064.29	-206.45	386.26	-183.28	1.00	-1.00	0.00
5,200.00	8.09	118.12	5,163.16	-213.50	399.44	-189.54	1.00	-1.00	0.00
5,300.00	7.09	118.12	5,262.29	-219.73	411.10	-195.07	1.00	-1.00	0.00
5,400.00	6.09	118.12	5,361.62	-225.14	421.22	-199.87	1.00	-1.00	0.00
5,416.87	5.93	118.12	5,378.40	-225.97	422.78	-200.61	1.00	-1.00	0.00
Lamar									
5,489.21	5.20	118.12	5,450.40	-229.28	428.97	-203.55	1.00	-1.00	0.00
Bell Canyon									
5,500.00	5.09	118.12	5,461.14	-229.73	429.82	-203.95	1.00	-1.00	0.00
5,600.00	4.09	118.12	5,560.82	-233.51	436.88	-207.30	1.00	-1.00	0.00



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 112H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3490.40usft (TBD)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3490.40usft (TBD)
Site:	Romeo Federal Com	North Reference:	True
Well:	112H	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)
5,700.00	3.09	118.12	5,660.62	-236.46	442.41	-209.93	1.00	-1.00	0.00
5,800.00	2.09	118.12	5,760.52	-238.60	446.40	-211.82	1.00	-1.00	0.00
5,900.00	1.09	118.12	5,860.48	-239.91	448.86	-212.98	1.00	-1.00	0.00
6,000.00	0.09	118.12	5,960.47	-240.40	449.77	-213.42	1.00	-1.00	0.00
6,009.38	0.00	0.00	5,969.85	-240.40	449.78	-213.42	1.00	-1.00	-1,259.21
Begin Vertical Hold									
6,389.93	0.00	0.00	6,350.40	-240.40	449.78	-213.42	0.00	0.00	0.00
Cherry Canyon									
6,607.93	0.00	0.00	6,568.40	-240.40	449.78	-213.42	0.00	0.00	0.00
Manzanita Lime									
7,944.93	0.00	0.00	7,905.40	-240.40	449.78	-213.42	0.00	0.00	0.00
Brushy Canyon									
9,052.47	0.00	0.00	9,012.94	-240.40	449.78	-213.42	0.00	0.00	0.00
KOP2, Begin 12.00°/100' Build									
9,100.00	5.70	359.94	9,060.40	-238.04	449.78	-211.06	12.00	12.00	0.00
9,200.00	17.70	359.94	9,158.14	-217.79	449.76	-190.85	12.00	12.00	0.00
9,300.00	29.70	359.94	9,249.53	-177.66	449.72	-150.79	12.00	12.00	0.00
9,354.71	36.27	359.94	9,295.40	-147.89	449.69	-121.08	12.00	12.00	0.00
Bone Spring Lime									
9,381.32	39.46	359.94	9,316.40	-131.56	449.67	-104.78	12.00	12.00	0.00
Avalon									
9,400.00	41.70	359.94	9,330.59	-119.41	449.66	-92.64	12.00	12.00	0.00
9,500.00	53.70	359.94	9,397.76	-45.57	449.59	-18.95	12.00	12.00	0.00
9,600.00	65.70	359.94	9,448.12	40.61	449.50	67.08	12.00	12.00	0.00
9,686.54	76.09	359.94	9,476.40	122.27	449.42	148.60	12.00	12.00	0.00
Target Top at 0' VS									
9,700.00	77.70	359.94	9,479.45	135.38	449.41	161.68	12.00	12.00	0.00
9,800.00	89.70	359.94	9,490.40	234.60	449.31	260.72	12.00	12.00	0.00
9,802.47	90.00	359.94	9,490.41	237.07	449.31	263.18	12.00	12.00	0.00
LP, Hold 90.00° Inc at 359.94° Azm									
9,900.00	90.00	359.94	9,490.40	334.60	449.21	360.54	0.00	0.00	0.00
10,000.00	90.00	359.94	9,490.40	434.60	449.11	460.36	0.00	0.00	0.00
10,100.00	90.00	359.94	9,490.40	534.60	449.01	560.18	0.00	0.00	0.00
10,200.00	90.00	359.94	9,490.40	634.60	448.91	660.00	0.00	0.00	0.00
10,300.00	90.00	359.94	9,490.40	734.60	448.82	759.82	0.00	0.00	0.00
10,400.00	90.00	359.94	9,490.40	834.60	448.72	859.64	0.00	0.00	0.00
10,500.00	90.00	359.94	9,490.40	934.60	448.62	959.46	0.00	0.00	0.00
10,600.00	90.00	359.94	9,490.40	1,034.60	448.52	1,059.28	0.00	0.00	0.00
10,700.00	90.00	359.94	9,490.40	1,134.60	448.42	1,159.10	0.00	0.00	0.00
10,800.00	90.00	359.94	9,490.40	1,234.60	448.32	1,258.92	0.00	0.00	0.00
10,900.00	90.00	359.94	9,490.40	1,334.60	448.22	1,358.74	0.00	0.00	0.00
11,000.00	90.00	359.94	9,490.40	1,434.60	448.12	1,458.56	0.00	0.00	0.00
11,100.00	90.00	359.94	9,490.40	1,534.60	448.03	1,558.38	0.00	0.00	0.00
11,200.00	90.00	359.94	9,490.40	1,634.60	447.93	1,658.20	0.00	0.00	0.00
11,300.00	90.00	359.94	9,490.40	1,734.60	447.83	1,758.02	0.00	0.00	0.00
11,400.00	90.00	359.94	9,490.40	1,834.60	447.73	1,857.84	0.00	0.00	0.00
11,500.00	90.00	359.94	9,490.40	1,934.60	447.63	1,957.65	0.00	0.00	0.00
11,600.00	90.00	359.94	9,490.40	2,034.60	447.53	2,057.47	0.00	0.00	0.00
11,700.00	90.00	359.94	9,490.40	2,134.60	447.43	2,157.29	0.00	0.00	0.00
11,800.00	90.00	359.94	9,490.40	2,234.60	447.33	2,257.11	0.00	0.00	0.00
11,900.00	90.00	359.94	9,490.40	2,334.60	447.24	2,356.93	0.00	0.00	0.00
12,000.00	90.00	359.94	9,490.40	2,434.60	447.14	2,456.75	0.00	0.00	0.00
12,100.00	90.00	359.94	9,490.40	2,534.60	447.04	2,556.57	0.00	0.00	0.00



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 112H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3490.40usft (TBD)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3490.40usft (TBD)
Site:	Romeo Federal Com	North Reference:	True
Well:	112H	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)
12,200.00	90.00	359.94	9,490.40	2,634.60	446.94	2,656.39	0.00	0.00	0.00
12,300.00	90.00	359.94	9,490.40	2,734.60	446.84	2,756.21	0.00	0.00	0.00
12,400.00	90.00	359.94	9,490.40	2,834.60	446.74	2,856.03	0.00	0.00	0.00
12,500.00	90.00	359.94	9,490.40	2,934.60	446.64	2,955.85	0.00	0.00	0.00
12,600.00	90.00	359.94	9,490.40	3,034.60	446.54	3,055.67	0.00	0.00	0.00
12,700.00	90.00	359.94	9,490.40	3,134.60	446.45	3,155.49	0.00	0.00	0.00
12,800.00	90.00	359.94	9,490.40	3,234.60	446.35	3,255.31	0.00	0.00	0.00
12,900.00	90.00	359.94	9,490.40	3,334.60	446.25	3,355.13	0.00	0.00	0.00
13,000.00	90.00	359.94	9,490.40	3,434.60	446.15	3,454.95	0.00	0.00	0.00
13,100.00	90.00	359.94	9,490.40	3,534.60	446.05	3,554.77	0.00	0.00	0.00
13,200.00	90.00	359.94	9,490.40	3,634.60	445.95	3,654.59	0.00	0.00	0.00
13,300.00	90.00	359.94	9,490.40	3,734.60	445.85	3,754.41	0.00	0.00	0.00
13,400.00	90.00	359.94	9,490.40	3,834.60	445.76	3,854.23	0.00	0.00	0.00
13,500.00	90.00	359.94	9,490.40	3,934.60	445.66	3,954.05	0.00	0.00	0.00
13,600.00	90.00	359.94	9,490.40	4,034.60	445.56	4,053.87	0.00	0.00	0.00
13,700.00	90.00	359.94	9,490.40	4,134.60	445.46	4,153.69	0.00	0.00	0.00
13,800.00	90.00	359.94	9,490.40	4,234.60	445.36	4,253.51	0.00	0.00	0.00
13,900.00	90.00	359.94	9,490.40	4,334.60	445.26	4,353.33	0.00	0.00	0.00
14,000.00	90.00	359.94	9,490.40	4,434.60	445.16	4,453.15	0.00	0.00	0.00
14,100.00	90.00	359.94	9,490.40	4,534.60	445.06	4,552.97	0.00	0.00	0.00
14,200.00	90.00	359.94	9,490.40	4,634.60	444.97	4,652.78	0.00	0.00	0.00
14,300.00	90.00	359.94	9,490.40	4,734.60	444.87	4,752.60	0.00	0.00	0.00
14,400.00	90.00	359.94	9,490.40	4,834.60	444.77	4,852.42	0.00	0.00	0.00
14,500.00	90.00	359.94	9,490.40	4,934.60	444.67	4,952.24	0.00	0.00	0.00
14,600.00	90.00	359.94	9,490.40	5,034.60	444.57	5,052.06	0.00	0.00	0.00
14,700.00	90.00	359.94	9,490.40	5,134.60	444.47	5,151.88	0.00	0.00	0.00
14,800.00	90.00	359.94	9,490.40	5,234.60	444.37	5,251.70	0.00	0.00	0.00
14,900.00	90.00	359.94	9,490.40	5,334.60	444.27	5,351.52	0.00	0.00	0.00
15,000.00	90.00	359.94	9,490.40	5,434.60	444.18	5,451.34	0.00	0.00	0.00
15,100.00	90.00	359.94	9,490.40	5,534.60	444.08	5,551.16	0.00	0.00	0.00
15,200.00	90.00	359.94	9,490.40	5,634.60	443.98	5,650.98	0.00	0.00	0.00
15,300.00	90.00	359.94	9,490.40	5,734.60	443.88	5,750.80	0.00	0.00	0.00
15,400.00	90.00	359.94	9,490.40	5,834.60	443.78	5,850.62	0.00	0.00	0.00
15,500.00	90.00	359.94	9,490.40	5,934.60	443.68	5,950.44	0.00	0.00	0.00
15,600.00	90.00	359.94	9,490.40	6,034.60	443.58	6,050.26	0.00	0.00	0.00
15,700.00	90.00	359.94	9,490.40	6,134.60	443.49	6,150.08	0.00	0.00	0.00
15,800.00	90.00	359.94	9,490.40	6,234.60	443.39	6,249.90	0.00	0.00	0.00
15,900.00	90.00	359.94	9,490.40	6,334.60	443.29	6,349.72	0.00	0.00	0.00
16,000.00	90.00	359.94	9,490.40	6,434.60	443.19	6,449.54	0.00	0.00	0.00
16,100.00	90.00	359.94	9,490.40	6,534.60	443.09	6,549.36	0.00	0.00	0.00
16,200.00	90.00	359.94	9,490.40	6,634.60	442.99	6,649.18	0.00	0.00	0.00
16,300.00	90.00	359.94	9,490.40	6,734.60	442.89	6,749.00	0.00	0.00	0.00
16,400.00	90.00	359.94	9,490.40	6,834.60	442.79	6,848.82	0.00	0.00	0.00
16,500.00	90.00	359.94	9,490.40	6,934.60	442.70	6,948.64	0.00	0.00	0.00
16,600.00	90.00	359.94	9,490.40	7,034.60	442.60	7,048.46	0.00	0.00	0.00
16,700.00	90.00	359.94	9,490.40	7,134.60	442.50	7,148.28	0.00	0.00	0.00
16,800.00	90.00	359.94	9,490.40	7,234.60	442.40	7,248.09	0.00	0.00	0.00
16,900.00	90.00	359.94	9,490.40	7,334.60	442.30	7,347.91	0.00	0.00	0.00
17,000.00	90.00	359.94	9,490.40	7,434.60	442.20	7,447.73	0.00	0.00	0.00
17,040.17	90.00	359.94	9,490.40	7,474.77	442.16	7,487.83	0.00	0.00	0.00
TD at 17040.17									



Planning Report



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Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3490.40usft (TBD)
Site:	Romeo Federal Com	North Reference:	True
Well:	112H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 04-06-22		

Design Targets

Target Name

- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
FTP - Romeo Federal	0.00	0.00	9,490.40	-240.40	449.78	11,687,638.37	2,115,715.84	32° 11' 19.714639 N	3° 27' 47.398338 W
- plan misses target center by 198.08usft at 9418.08usft MD (9343.86 TVD, -107.12 N, 449.65 E)									
- Point									
BHL - Romeo Federal	359.94	0.00	9,490.40	7,474.77	442.16	11,695,351.55	2,115,598.08	32° 12' 36.057771 N	3° 27' 47.485502 W
- plan hits target center									
- Rectangle (sides W0.00 H7,715.17 D20.00)									

Formations

Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(usft)	(usft)			(°)	(°)
1,098.40	1,098.40	Rustler			
1,717.40	1,717.40	Salado			
3,775.11	3,759.40	BX BLM (Fletcher Anhydrite)			
5,416.87	5,378.40	Lamar			
5,489.21	5,450.40	Bell Canyon			
6,389.93	6,350.40	Cherry Canyon			
6,607.93	6,568.40	Manzanita Lime			
7,944.93	7,905.40	Brushy Canyon			
9,354.71	9,295.40	Bone Spring Lime			
9,381.32	9,316.40	Avalon			
9,686.54	9,476.40	Target Top at 0' VS			

Plan Annotations

Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S	+E/-W	
(usft)	(usft)	(usft)	(usft)	
2,075.00	2,075.00	0.00	0.00	KOP, Begin 1.00°/100' Build
3,075.00	3,069.93	-41.03	76.77	Hold 10.00° Inc at 118.12° Azm
5,009.38	4,974.92	-199.37	373.01	Begin 1.00°/100' Drop
6,009.38	5,969.85	-240.40	449.78	Begin Vertical Hold
9,052.47	9,012.94	-240.40	449.78	KOP2, Begin 12.00°/100' Build
9,802.47	9,490.41	237.07	449.31	LP, Hold 90.00° Inc at 359.94° Azm
17,040.17	9,490.40	7,474.77	442.16	TD at 17040.17

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 120065

CONDITIONS

Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 120065
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	7/28/2022