

Well Name: MOZZARELLA FEDERAL COM	Well Location: T22S / R32E / SEC 8 / NENW /	County or Parish/State:
Well Number: 504H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM131588	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: 2676871

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 06/14/2022	Time Sundry Submitted: 03:18
Date proposed operation will begin: 12/01/2022	

Procedure Description: Centennial Resource Production, LLC respectfully requests to change the surface hole location for the Mozzarella Federal Com 504H. Original SHL: 804 FNL and 2184 FWL, Unit C, Sec 8, 22S, 32E, Lea County, NM New SHL: 804 FNL and 2179 FWL, Unit C, Sec 8, 22S, 32E, Lea County, NM Please see attached updated plat and directional plan.

NOI Attachments

Procedure Description

- Mozzarella_Federal_Com_504H___Directional_Plan_6.8.22_20220614151747.pdf
- Mozzarella_Fed_Com_504H_Surface_Plats_SUB_6.14.22_20220614151736.pdf

Well Name: MOZZARELLA FEDERAL COM	Well Location: T22S / R32E / SEC 8 / NENW /	County or Parish/State:
Well Number: 504H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM131588	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: SARAH FERREYROS

Signed on: JUN 14, 2022 03:17 PM

Name: CENTENNIAL RESOURCE PRODUCTION LLC

Title: Sr. Regulatory Analyst

Street Address: 1001 17th Street, Suite 1800

City: Denver

State: CO

Phone: (720) 499-1454

Email address: Sarah.Ferreyros@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

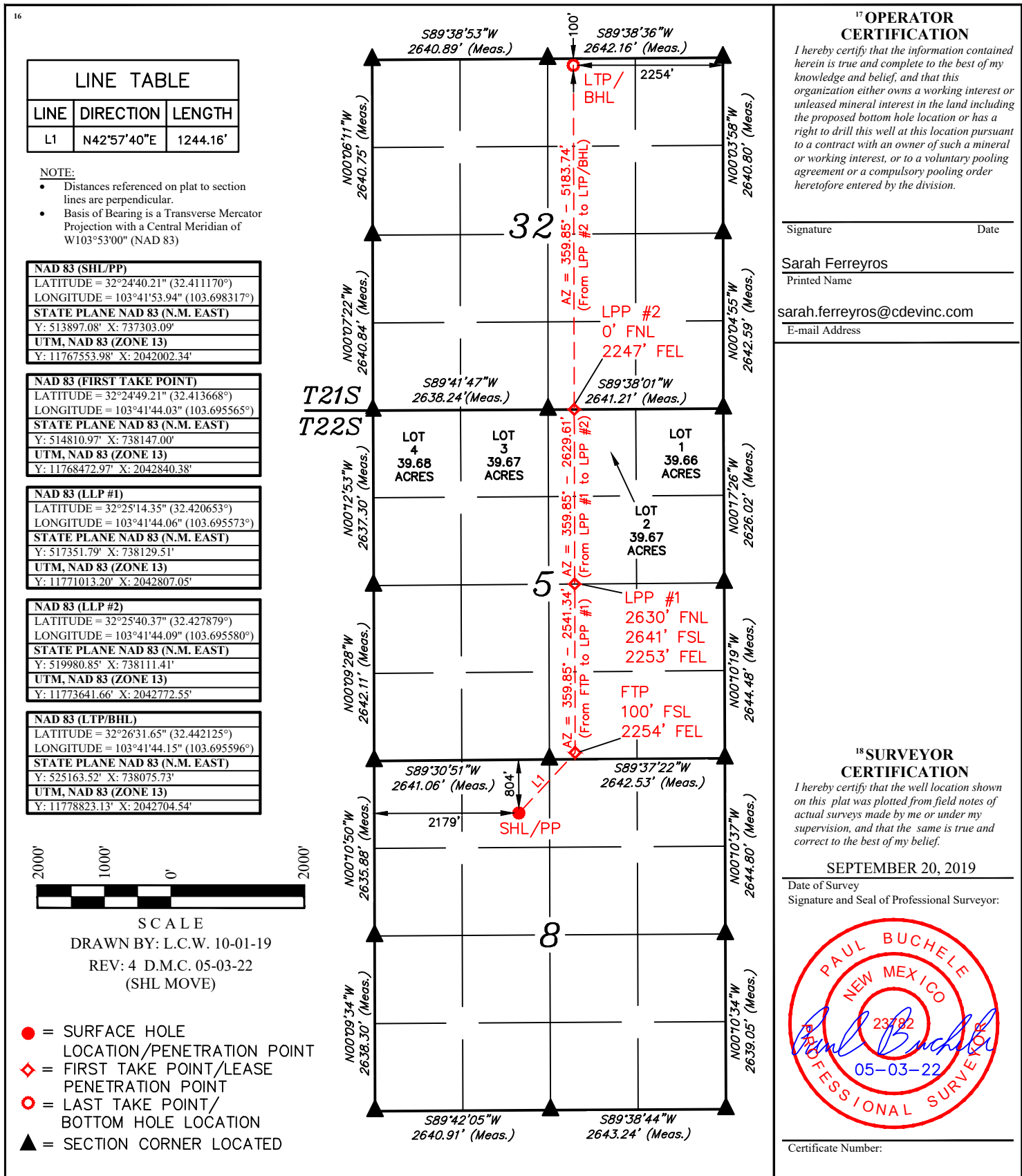
BLM POC Email Address: clayton@blm.gov

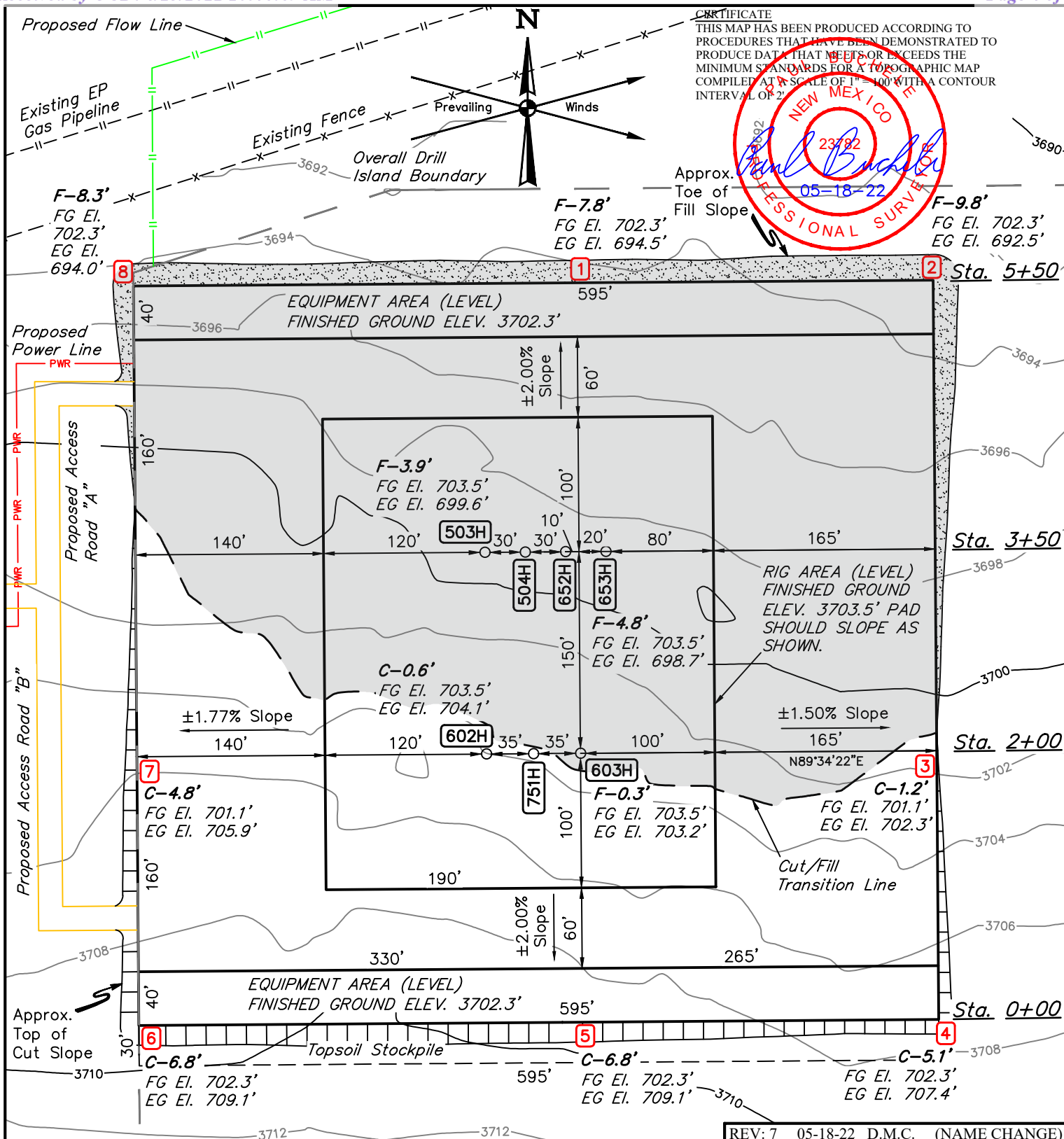
Disposition: Approved

Disposition Date: 06/16/2022

Signature: Cody R. Layton

☐ AMENDED REPORT





- NOTES:**
- Contours shown at 2' intervals.
 - Underground utilities shown on this sheet are for visualization purposes only, actual locations to be determined prior to construction.
 - Cut/Fill Slopes are 2:1 (Typ.)
 - Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD83)

CENTENNIAL RESOURCE PRODUCTION, LLC

MOZZARELLA FED COM 8 NENW PAD 1
NE 1/4 NW 1/4, SECTION 8, T22S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

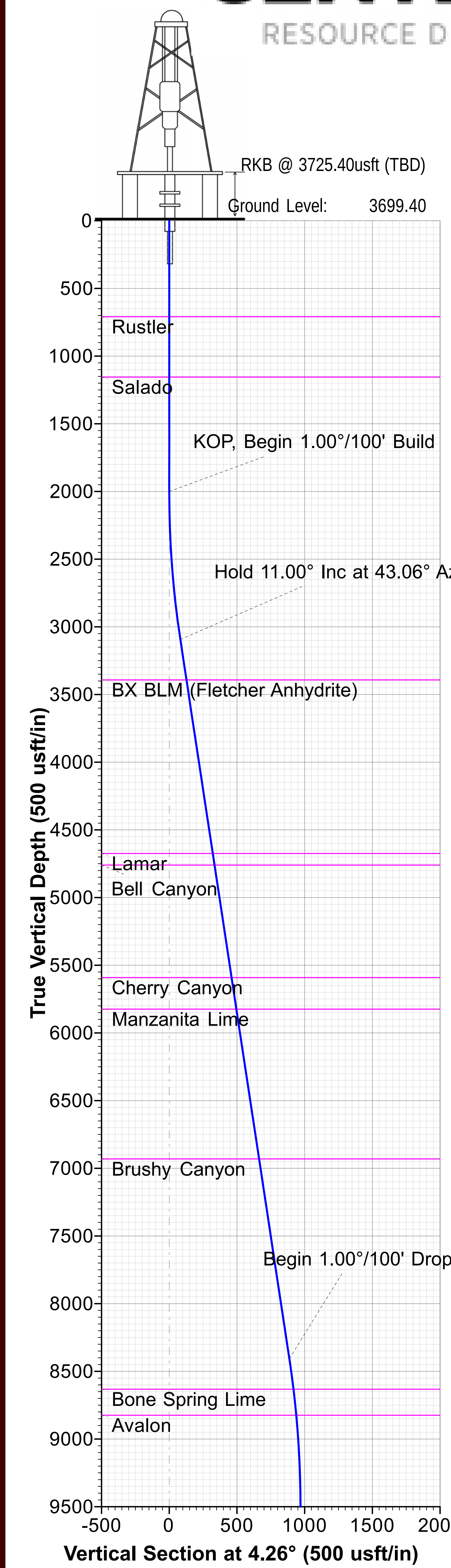
SURVEYED BY	B.B., C.H.	02-07-19	SCALE
DRAWN BY	C.M.T.	03-20-19	1" = 100'
LOCATION LAYOUT			FIGURE #1



Project: Lea County, NM (NAD83 - UTM Zone 13)
 Site: Mozzarella Federal Com
 Well: 504H
 Wellbore: OH
 Design: Plan 2 06-08-22
 Rig: TBD



Azimuths to True North
 Magnetic North: 6.51°
Magnetic Field
 Strength: 47843.9nT
 Dip Angle: 60.10°
 Date: 11/15/2021
 Model: MVHD



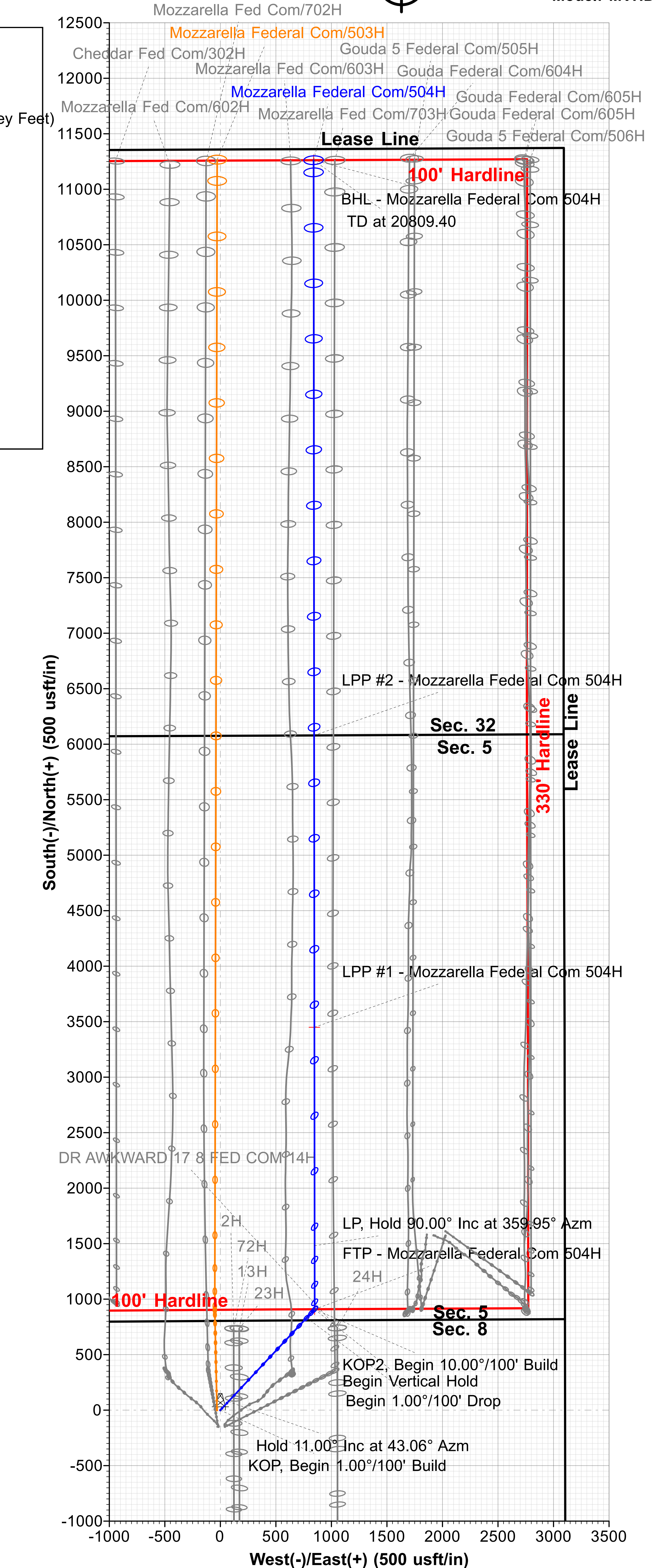
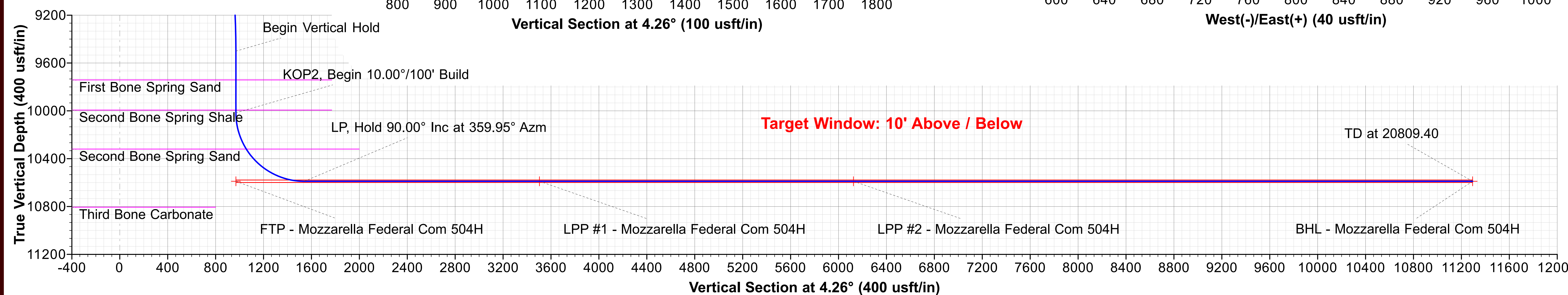
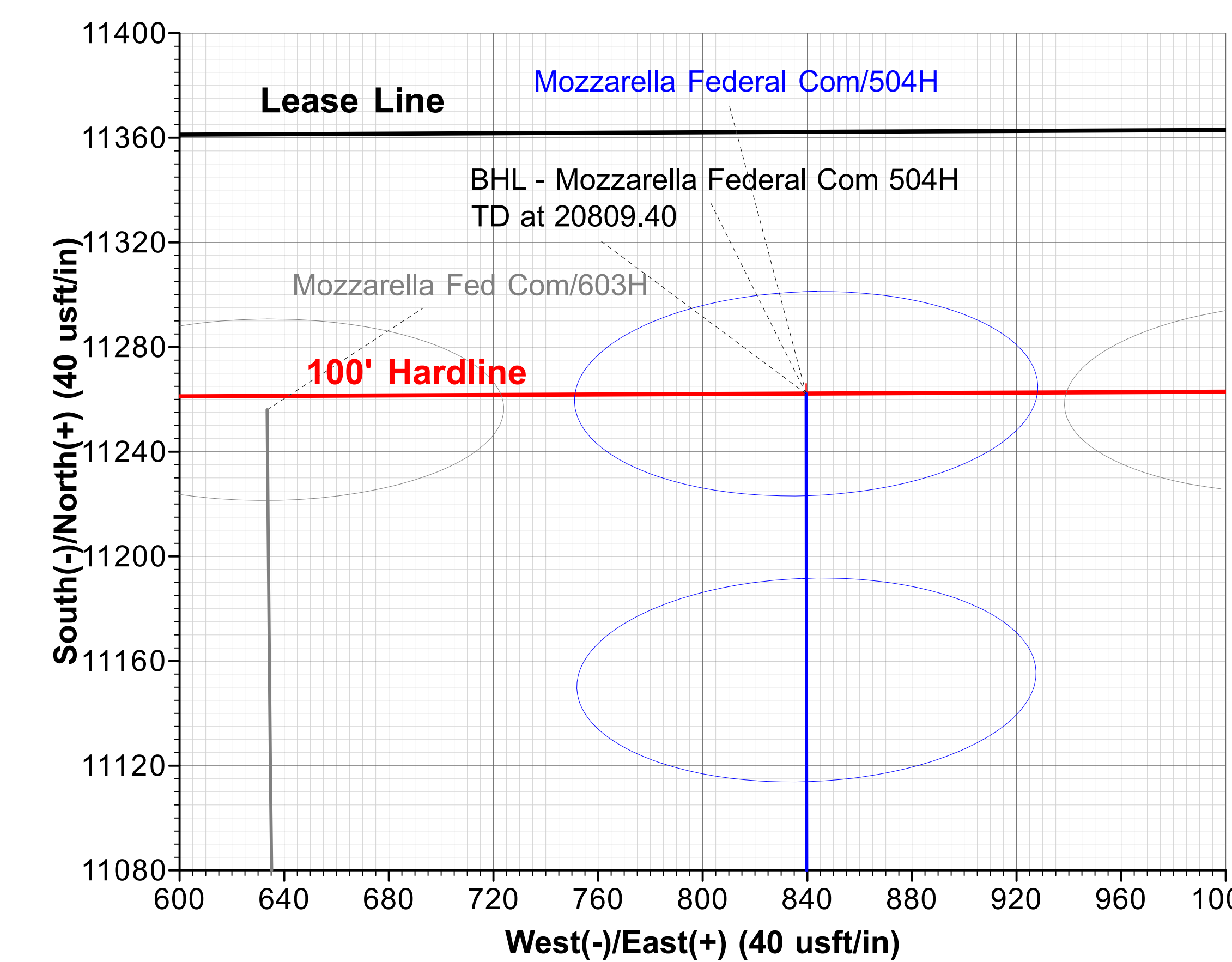
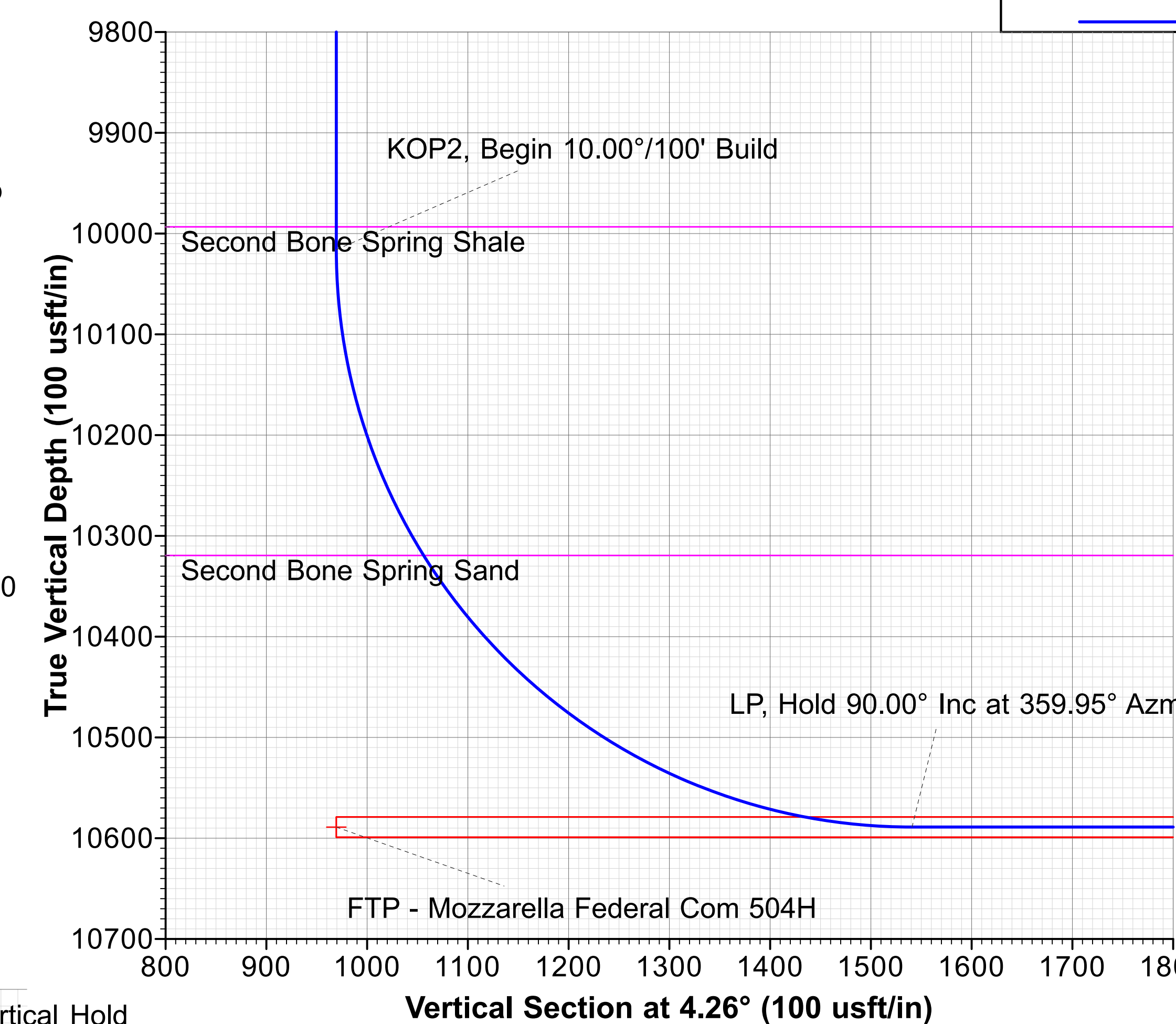
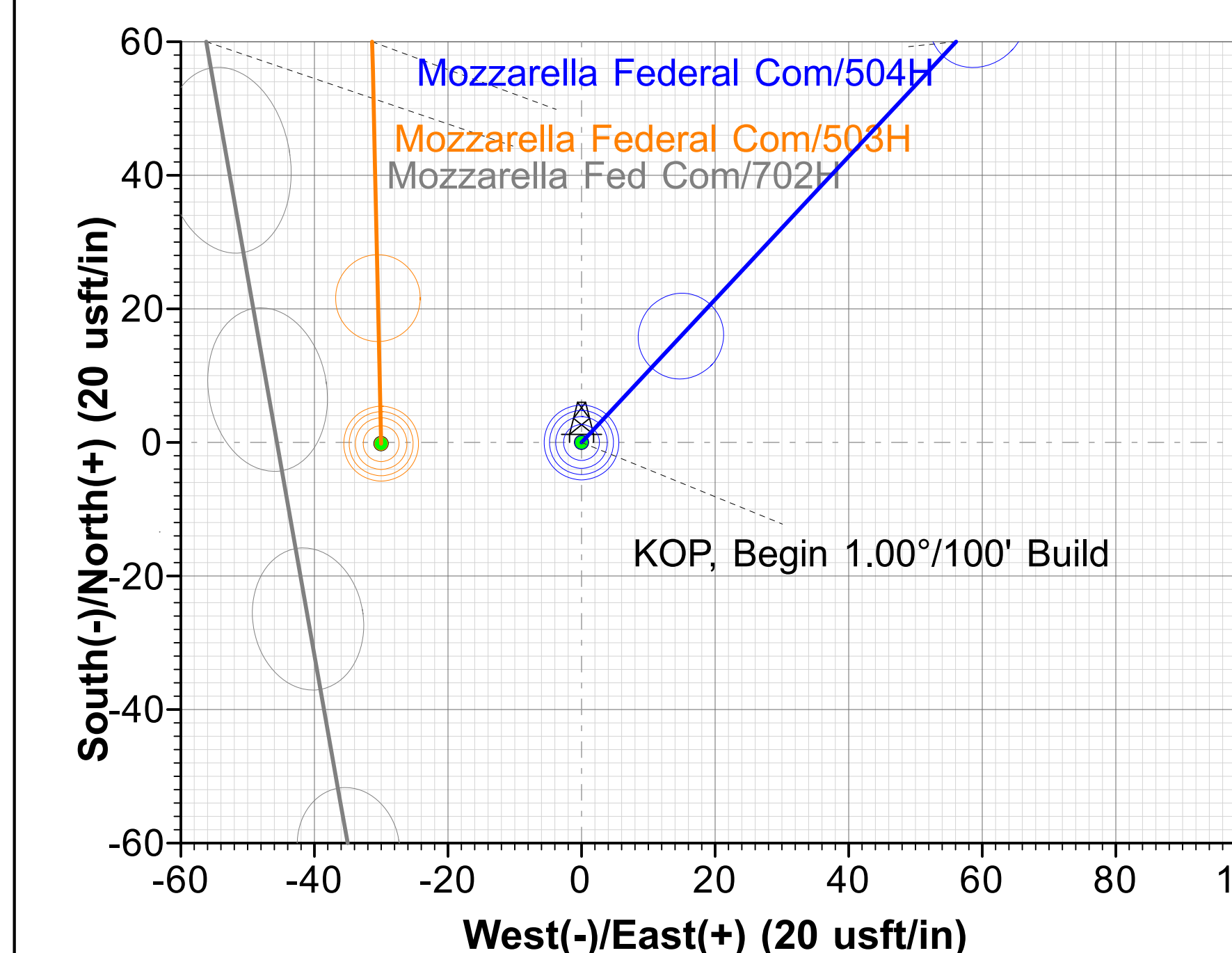
WELL DETAILS											
	+N/-S	+E/-W	Northing	Ground Level: Easting	3699.40	Latitude	Longitude				
	0.00	0.00	11767553.98	2042002.34		32° 24' 40.212863 N	103° 41' 53.942279 W				

SECTION DETAILS											
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00		KOP, Begin 1.00°/100' Build
2	2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.000	0.00		Hold 11.00° Inc at 43.06° Azm
3	3100.4311.00	43.06	3093.68	76.97	71.93	1.00	43.060	82.10			Begin 1.00°/100' Drop
4	8513.6511.00	43.06	8407.36	831.94	777.42	0.00	0.000	887.39			Begin Vertical Hold
5	9614.08	0.00	0.00	9501.04	908.91	849.35	1.00	180.000	969.49		KOP2, Begin 10.00°/100' Build
6	10129.08	0.00	0.00	10016.04	908.91	849.35	0.00	0.000	969.49		LP, Hold 90.00° Inc at 359.95° Azm
7	11029.0890.00	359.95	10589.00	1481.87	848.81	10.00	359.946	1540.83			
8	20809.4090.00	359.95	10589.00	11262.19	839.58	0.00	0.000	11293.44			BHL - Mozzarella Federal Com 504H

DESIGN TARGET DETAILS											
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude				
BHL - Mozzarella Federal Com 504H	10589.00	11262.19	839.58	78823.13	2042704.54	32° 26' 31.650297 N	103° 41' 44.145003 W				
FTP - Mozzarella Federal Com 504H	10589.00	908.91	849.35	68472.97	2042840.38	32° 24' 49.206310 N	103° 41' 44.034608 W				
LPP #1 - Mozzarella Federal Com 504H	10589.00	3449.91	846.97	71013.20	2042807.05	32° 25' 14.349082 N	103° 41' 44.061697 W				
LPP #2 - Mozzarella Federal Com 504H	10589.00	6079.16	841.47	73641.66	2042772.55	32° 25' 40.365112 N	103° 41' 44.089801 W				

- LEGEND**
- 302H, OH / 69630, Plan 4 05-04-22 V0
 - DR AWKWARD 17 8 FED COM 23H, OH, Plan 1 V0
 - 702H, OH, Plan 1 V0
 - 603H, OH / 67731, Surveys (H&P 313) V0
 - 503H, OH, Plan 1 09-16-21 V0
 - DR AWKWARD 17 8 FED COM 24H, OH, Plan 1 V0
 - 604H, OH / 67825, Surveys (H&P 313) V0
 - 703H, OH, Plan 1 V0
 - DR AWKWARD 17 8 FED COM 72H, OH, Plan 1 V0
 - 602H, OH / 67730, Surveys (H&P 313) V0
 - 506H, OH, Plan 1 05-21-21 V0
 - 605H, ST01 / 67826, Surveys (H&P 313) V0
 - 605H, OH / 67826, Surveys (H&P 313) V0
 - DR AWKWARD 17 8 FED COM 2H, OH, Plan 1 V0
 - DR AWKWARD 17 8 FED COM 14H, OH, Plan 1 V0
 - 505H, OH, Plan 2 08-25-21 V0
 - DR AWKWARD 17 8 FED COM 13H, OH, Plan 1 V0
 - Plan 2 06-08-22

Map System:
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone Name: Zone 13N (108 W to 102 W)
 Universal Transverse Mercator (US Survey Feet)
 Local Origin: Well 504H, True North
 Latitude: 32° 24' 40.212863 N
 Longitude: 103° 41' 53.942279 W
 Grid East: 2042002.34
 Grid North: 11767553.98
 Scale Factor: 1.000
 Geomagnetic Model: MVHD
 Sample Date: 15-Nov-21
 Magnetic Declination: 6.515°
 Dip Angle from Horizontal: 60.098°
 Magnetic Field Strength: 47843.86247755nT
 To convert a Magnetic Direction to a Grid Direction, Add 5.817°
 To convert a Magnetic Direction to a True Direction, Add 6.515° East
 To convert a True Direction to a Grid Direction, Subtract 0.698°





Centennial Resources Development, Inc.

**Lea County, NM (NAD83 - UTM Zone 13)
Mozzarella Federal Com
504H**

OH

Plan: Plan 2 06-08-22

Standard Planning Report

08 June, 2022





Phoenix Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 504H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3725.40usft (TBD)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3725.40usft (TBD)
Site:	Mozzarella Federal Com	North Reference:	True
Well:	504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 06-08-22		

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	Mozzarella Federal Com		
Site Position:		Northing:	11,767,553.44 usft
From:	Map	Easting:	2,041,972.35 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 24' 40.211134 N
		Longitude:	103° 41' 54.292228 W

Well	504H		
Well Position	+N/-S	0.17 usft	Northing: 11,767,553.98 usft
	+E/-W	30.00 usft	Easting: 2,042,002.34 usft
Position Uncertainty	1.00 usft	Wellhead Elevation:	Latitude: 32° 24' 40.212863 N
			Longitude: 103° 41' 53.942279 W
			Ground Level: 3,699.40 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	MVHD	11/15/2021	6.515
			Dip Angle (°) 60.098
			Field Strength (nT) 47,843.86247755

Design	Plan 2 06-08-22		
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 (°) 4.26

Plan Survey Tool Program	Date	6/8/2022		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	20,809.40	Plan 2 06-08-22 (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	
3,100.43	11.00	43.06	3,093.68	76.97	71.93	1.00	1.00	0.00	43.060	
8,513.65	11.00	43.06	8,407.36	831.94	777.42	0.00	0.00	0.00	0.000	
9,614.08	0.00	0.00	9,501.04	908.91	849.35	1.00	-1.00	0.00	180.000	
10,129.08	0.00	0.00	10,016.04	908.91	849.35	0.00	0.00	0.00	0.000	
11,029.08	90.00	359.95	10,589.00	1,481.87	848.81	10.00	10.00	-0.01	359.946	
20,809.40	90.00	359.95	10,589.00	11,262.19	839.58	0.00	0.00	0.00	0.000	BHL - Mozzarella Fi



Phoenix Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 504H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3725.40usft (TBD)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3725.40usft (TBD)
Site:	Mozzarella Federal Com	North Reference:	True
Well:	504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 06-08-22		

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
709.40	0.00	0.00	709.40	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
1,155.40	0.00	0.00	1,155.40	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	43.06	2,099.99	0.64	0.60	0.68	1.00	1.00	0.00
2,200.00	2.00	43.06	2,199.96	2.55	2.38	2.72	1.00	1.00	0.00
2,300.00	3.00	43.06	2,299.86	5.74	5.36	6.12	1.00	1.00	0.00
2,400.00	4.00	43.06	2,399.68	10.20	9.53	10.88	1.00	1.00	0.00
2,500.00	5.00	43.06	2,499.37	15.93	14.89	16.99	1.00	1.00	0.00
2,600.00	6.00	43.06	2,598.90	22.93	21.43	24.46	1.00	1.00	0.00
2,700.00	7.00	43.06	2,698.26	31.20	29.16	33.28	1.00	1.00	0.00
2,800.00	8.00	43.06	2,797.40	40.74	38.07	43.46	1.00	1.00	0.00
2,900.00	9.00	43.06	2,896.30	51.54	48.16	54.98	1.00	1.00	0.00
3,000.00	10.00	43.06	2,994.93	63.60	59.43	67.84	1.00	1.00	0.00
3,100.00	11.00	43.06	3,093.26	76.91	71.87	82.04	1.00	1.00	0.00
3,100.43	11.00	43.06	3,093.68	76.97	71.93	82.10	1.00	1.00	0.00
Hold 11.00° Inc at 43.06° Azm									
3,200.00	11.00	43.06	3,191.42	90.86	84.91	96.92	0.00	0.00	0.00
3,300.00	11.00	43.06	3,289.58	104.81	97.94	111.79	0.00	0.00	0.00
3,400.00	11.00	43.06	3,387.74	118.75	110.97	126.67	0.00	0.00	0.00
3,404.75	11.00	43.06	3,392.40	119.42	111.59	127.37	0.00	0.00	0.00
BX BLM (Fletcher Anhydrite)									
3,500.00	11.00	43.06	3,485.90	132.70	124.00	141.54	0.00	0.00	0.00
3,600.00	11.00	43.06	3,584.06	146.65	137.04	156.42	0.00	0.00	0.00
3,700.00	11.00	43.06	3,682.22	160.59	150.07	171.30	0.00	0.00	0.00
3,800.00	11.00	43.06	3,780.38	174.54	163.10	186.17	0.00	0.00	0.00
3,900.00	11.00	43.06	3,878.55	188.49	176.14	201.05	0.00	0.00	0.00
4,000.00	11.00	43.06	3,976.71	202.43	189.17	215.93	0.00	0.00	0.00
4,100.00	11.00	43.06	4,074.87	216.38	202.20	230.80	0.00	0.00	0.00
4,200.00	11.00	43.06	4,173.03	230.33	215.23	245.68	0.00	0.00	0.00
4,300.00	11.00	43.06	4,271.19	244.27	228.27	260.55	0.00	0.00	0.00
4,400.00	11.00	43.06	4,369.35	258.22	241.30	275.43	0.00	0.00	0.00
4,500.00	11.00	43.06	4,467.51	272.17	254.33	290.31	0.00	0.00	0.00
4,600.00	11.00	43.06	4,565.67	286.11	267.37	305.18	0.00	0.00	0.00
4,700.00	11.00	43.06	4,663.84	300.06	280.40	320.06	0.00	0.00	0.00
4,710.76	11.00	43.06	4,674.40	301.56	281.80	321.66	0.00	0.00	0.00
Lamar									
4,798.37	11.00	43.06	4,760.40	313.78	293.22	334.69	0.00	0.00	0.00
Bell Canyon									
4,800.00	11.00	43.06	4,762.00	314.01	293.43	334.94	0.00	0.00	0.00
4,900.00	11.00	43.06	4,860.16	327.95	306.46	349.81	0.00	0.00	0.00
5,000.00	11.00	43.06	4,958.32	341.90	319.50	364.69	0.00	0.00	0.00
5,100.00	11.00	43.06	5,056.48	355.85	332.53	379.56	0.00	0.00	0.00
5,200.00	11.00	43.06	5,154.64	369.79	345.56	394.44	0.00	0.00	0.00
5,300.00	11.00	43.06	5,252.80	383.74	358.60	409.32	0.00	0.00	0.00
5,400.00	11.00	43.06	5,350.96	397.69	371.63	424.19	0.00	0.00	0.00
5,500.00	11.00	43.06	5,449.13	411.63	384.66	439.07	0.00	0.00	0.00
5,600.00	11.00	43.06	5,547.29	425.58	397.69	453.95	0.00	0.00	0.00
5,644.94	11.00	43.06	5,591.40	431.85	403.55	460.63	0.00	0.00	0.00
Cherry Canyon									



Phoenix Planning Report



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Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3725.40usft (TBD)
Site:	Mozzarella Federal Com	North Reference:	True
Well:	504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 06-08-22		

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	11.00	43.06	5,645.45	439.53	410.73	468.82	0.00	0.00	0.00
5,800.00	11.00	43.06	5,743.61	453.47	423.76	483.70	0.00	0.00	0.00
5,882.30	11.00	43.06	5,824.40	464.95	434.49	495.94	0.00	0.00	0.00
Manzanita Lime									
5,900.00	11.00	43.06	5,841.77	467.42	436.79	498.57	0.00	0.00	0.00
6,000.00	11.00	43.06	5,939.93	481.37	449.82	513.45	0.00	0.00	0.00
6,100.00	11.00	43.06	6,038.09	495.31	462.86	528.33	0.00	0.00	0.00
6,200.00	11.00	43.06	6,136.25	509.26	475.89	543.20	0.00	0.00	0.00
6,300.00	11.00	43.06	6,234.42	523.21	488.92	558.08	0.00	0.00	0.00
6,400.00	11.00	43.06	6,332.58	537.15	501.96	572.96	0.00	0.00	0.00
6,500.00	11.00	43.06	6,430.74	551.10	514.99	587.83	0.00	0.00	0.00
6,600.00	11.00	43.06	6,528.90	565.05	528.02	602.71	0.00	0.00	0.00
6,700.00	11.00	43.06	6,627.06	578.99	541.05	617.58	0.00	0.00	0.00
6,800.00	11.00	43.06	6,725.22	592.94	554.09	632.46	0.00	0.00	0.00
6,900.00	11.00	43.06	6,823.38	606.89	567.12	647.34	0.00	0.00	0.00
7,000.00	11.00	43.06	6,921.54	620.83	580.15	662.21	0.00	0.00	0.00
7,010.04	11.00	43.06	6,931.40	622.23	581.46	663.71	0.00	0.00	0.00
Brushy Canyon									
7,100.00	11.00	43.06	7,019.71	634.78	593.19	677.09	0.00	0.00	0.00
7,200.00	11.00	43.06	7,117.87	648.73	606.22	691.97	0.00	0.00	0.00
7,300.00	11.00	43.06	7,216.03	662.67	619.25	706.84	0.00	0.00	0.00
7,400.00	11.00	43.06	7,314.19	676.62	632.28	721.72	0.00	0.00	0.00
7,500.00	11.00	43.06	7,412.35	690.57	645.32	736.59	0.00	0.00	0.00
7,600.00	11.00	43.06	7,510.51	704.51	658.35	751.47	0.00	0.00	0.00
7,700.00	11.00	43.06	7,608.67	718.46	671.38	766.35	0.00	0.00	0.00
7,800.00	11.00	43.06	7,706.84	732.41	684.42	781.22	0.00	0.00	0.00
7,900.00	11.00	43.06	7,805.00	746.35	697.45	796.10	0.00	0.00	0.00
8,000.00	11.00	43.06	7,903.16	760.30	710.48	810.98	0.00	0.00	0.00
8,100.00	11.00	43.06	8,001.32	774.25	723.51	825.85	0.00	0.00	0.00
8,200.00	11.00	43.06	8,099.48	788.19	736.55	840.73	0.00	0.00	0.00
8,300.00	11.00	43.06	8,197.64	802.14	749.58	855.61	0.00	0.00	0.00
8,400.00	11.00	43.06	8,295.80	816.09	762.61	870.48	0.00	0.00	0.00
8,500.00	11.00	43.06	8,393.96	830.03	775.64	885.36	0.00	0.00	0.00
8,513.65	11.00	43.06	8,407.36	831.94	777.42	887.39	0.00	0.00	0.00
Begin 1.00°/100' Drop									
8,600.00	10.14	43.06	8,492.25	843.51	788.24	899.74	1.00	-1.00	0.00
8,700.00	9.14	43.06	8,590.83	855.75	799.68	912.79	1.00	-1.00	0.00
8,742.08	8.72	43.06	8,632.40	860.52	804.13	917.88	1.00	-1.00	0.00
Bone Spring Lime									
8,800.00	8.14	43.06	8,689.70	866.73	809.93	924.50	1.00	-1.00	0.00
8,900.00	7.14	43.06	8,788.81	876.44	819.01	934.86	1.00	-1.00	0.00
8,935.86	6.78	43.06	8,824.40	879.62	821.98	938.24	1.00	-1.00	0.00
Avalon									
9,000.00	6.14	43.06	8,888.14	884.89	826.91	943.87	1.00	-1.00	0.00
9,100.00	5.14	43.06	8,987.65	892.07	833.62	951.53	1.00	-1.00	0.00
9,200.00	4.14	43.06	9,087.32	897.98	839.14	957.84	1.00	-1.00	0.00
9,300.00	3.14	43.06	9,187.12	902.62	843.48	962.78	1.00	-1.00	0.00
9,400.00	2.14	43.06	9,287.01	905.99	846.62	966.38	1.00	-1.00	0.00
9,500.00	1.14	43.06	9,386.97	908.08	848.58	968.61	1.00	-1.00	0.00
9,600.00	0.14	43.06	9,486.96	908.90	849.34	969.48	1.00	-1.00	0.00
9,614.08	0.00	0.00	9,501.04	908.91	849.35	969.49	1.00	-1.00	0.00
Begin Vertical Hold									
9,854.44	0.00	0.00	9,741.40	908.91	849.35	969.49	0.00	0.00	0.00



Phoenix Planning Report



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Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3725.40usft (TBD)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3725.40usft (TBD)
Site:	Mozzarella Federal Com	North Reference:	True
Well:	504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 06-08-22		

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)
First Bone Spring Sand									
10,106.44	0.00	0.00	9,993.40	908.91	849.35	969.49	0.00	0.00	0.00
Second Bone Spring Shale									
10,129.08	0.00	0.00	10,016.04	908.91	849.35	969.49	0.00	0.00	0.00
KOP2, Begin 10.00°/100' Build									
10,200.00	7.09	359.95	10,086.78	913.29	849.35	973.86	10.00	10.00	0.00
10,300.00	17.09	359.95	10,184.44	934.22	849.33	994.73	10.00	10.00	0.00
10,400.00	27.09	359.95	10,276.98	971.78	849.29	1,032.18	10.00	10.00	0.00
10,448.77	31.97	359.95	10,319.40	995.81	849.27	1,056.14	10.00	10.00	0.00
Second Bone Spring Sand									
10,500.00	37.09	359.95	10,361.59	1,024.84	849.24	1,085.09	10.00	10.00	0.00
10,600.00	47.09	359.95	10,435.70	1,091.79	849.18	1,151.85	10.00	10.00	0.00
10,700.00	57.09	359.95	10,497.06	1,170.59	849.11	1,230.43	10.00	10.00	0.00
10,800.00	67.09	359.95	10,543.81	1,258.84	849.02	1,318.43	10.00	10.00	0.00
10,900.00	77.09	359.95	10,574.52	1,353.88	848.93	1,413.20	10.00	10.00	0.00
11,000.00	87.09	359.95	10,588.26	1,452.80	848.84	1,511.84	10.00	10.00	0.00
11,029.08	90.00	359.95	10,589.00	1,481.87	848.81	1,540.83	10.00	10.00	0.00
LP, Hold 90.00° Inc at 359.95° Azm									
11,100.00	90.00	359.95	10,589.00	1,552.79	848.75	1,611.55	0.00	0.00	0.00
11,200.00	90.00	359.95	10,589.00	1,652.79	848.65	1,711.26	0.00	0.00	0.00
11,300.00	90.00	359.95	10,589.00	1,752.79	848.56	1,810.98	0.00	0.00	0.00
11,400.00	90.00	359.95	10,589.00	1,852.79	848.46	1,910.70	0.00	0.00	0.00
11,500.00	90.00	359.95	10,589.00	1,952.79	848.37	2,010.41	0.00	0.00	0.00
11,600.00	90.00	359.95	10,589.00	2,052.79	848.27	2,110.13	0.00	0.00	0.00
11,700.00	90.00	359.95	10,589.00	2,152.79	848.18	2,209.85	0.00	0.00	0.00
11,800.00	90.00	359.95	10,589.00	2,252.79	848.08	2,309.56	0.00	0.00	0.00
11,900.00	90.00	359.95	10,589.00	2,352.79	847.99	2,409.28	0.00	0.00	0.00
12,000.00	90.00	359.95	10,589.00	2,452.79	847.90	2,509.00	0.00	0.00	0.00
12,100.00	90.00	359.95	10,589.00	2,552.79	847.80	2,608.71	0.00	0.00	0.00
12,200.00	90.00	359.95	10,589.00	2,652.79	847.71	2,708.43	0.00	0.00	0.00
12,300.00	90.00	359.95	10,589.00	2,752.79	847.61	2,808.15	0.00	0.00	0.00
12,400.00	90.00	359.95	10,589.00	2,852.79	847.52	2,907.86	0.00	0.00	0.00
12,500.00	90.00	359.95	10,589.00	2,952.79	847.42	3,007.58	0.00	0.00	0.00
12,600.00	90.00	359.95	10,589.00	3,052.79	847.33	3,107.30	0.00	0.00	0.00
12,700.00	90.00	359.95	10,589.00	3,152.79	847.23	3,207.01	0.00	0.00	0.00
12,800.00	90.00	359.95	10,589.00	3,252.79	847.14	3,306.73	0.00	0.00	0.00
12,900.00	90.00	359.95	10,589.00	3,352.79	847.05	3,406.45	0.00	0.00	0.00
13,000.00	90.00	359.95	10,589.00	3,452.79	846.95	3,506.16	0.00	0.00	0.00
13,100.00	90.00	359.95	10,589.00	3,552.79	846.86	3,605.88	0.00	0.00	0.00
13,200.00	90.00	359.95	10,589.00	3,652.79	846.76	3,705.60	0.00	0.00	0.00
13,300.00	90.00	359.95	10,589.00	3,752.79	846.67	3,805.31	0.00	0.00	0.00
13,400.00	90.00	359.95	10,589.00	3,852.79	846.57	3,905.03	0.00	0.00	0.00
13,500.00	90.00	359.95	10,589.00	3,952.79	846.48	4,004.75	0.00	0.00	0.00
13,600.00	90.00	359.95	10,589.00	4,052.79	846.38	4,104.46	0.00	0.00	0.00
13,700.00	90.00	359.95	10,589.00	4,152.79	846.29	4,204.18	0.00	0.00	0.00
13,800.00	90.00	359.95	10,589.00	4,252.79	846.20	4,303.90	0.00	0.00	0.00
13,900.00	90.00	359.95	10,589.00	4,352.79	846.10	4,403.61	0.00	0.00	0.00
14,000.00	90.00	359.95	10,589.00	4,452.79	846.01	4,503.33	0.00	0.00	0.00
14,100.00	90.00	359.95	10,589.00	4,552.79	845.91	4,603.05	0.00	0.00	0.00
14,200.00	90.00	359.95	10,589.00	4,652.79	845.82	4,702.76	0.00	0.00	0.00
14,300.00	90.00	359.95	10,589.00	4,752.79	845.72	4,802.48	0.00	0.00	0.00
14,400.00	90.00	359.95	10,589.00	4,852.79	845.63	4,902.20	0.00	0.00	0.00
14,500.00	90.00	359.95	10,589.00	4,952.79	845.53	5,001.91	0.00	0.00	0.00



Phoenix Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 504H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3725.40usft (TBD)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3725.40usft (TBD)
Site:	Mozzarella Federal Com	North Reference:	True
Well:	504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 06-08-22		

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)
14,600.00	90.00	359.95	10,589.00	5,052.79	845.44	5,101.63	0.00	0.00	0.00
14,700.00	90.00	359.95	10,589.00	5,152.79	845.35	5,201.35	0.00	0.00	0.00
14,800.00	90.00	359.95	10,589.00	5,252.79	845.25	5,301.06	0.00	0.00	0.00
14,900.00	90.00	359.95	10,589.00	5,352.79	845.16	5,400.78	0.00	0.00	0.00
15,000.00	90.00	359.95	10,589.00	5,452.79	845.06	5,500.50	0.00	0.00	0.00
15,100.00	90.00	359.95	10,589.00	5,552.79	844.97	5,600.21	0.00	0.00	0.00
15,200.00	90.00	359.95	10,589.00	5,652.79	844.87	5,699.93	0.00	0.00	0.00
15,300.00	90.00	359.95	10,589.00	5,752.79	844.78	5,799.65	0.00	0.00	0.00
15,400.00	90.00	359.95	10,589.00	5,852.79	844.69	5,899.36	0.00	0.00	0.00
15,500.00	90.00	359.95	10,589.00	5,952.79	844.59	5,999.08	0.00	0.00	0.00
15,600.00	90.00	359.95	10,589.00	6,052.79	844.50	6,098.80	0.00	0.00	0.00
15,700.00	90.00	359.95	10,589.00	6,152.79	844.40	6,198.51	0.00	0.00	0.00
15,800.00	90.00	359.95	10,589.00	6,252.79	844.31	6,298.23	0.00	0.00	0.00
15,900.00	90.00	359.95	10,589.00	6,352.79	844.21	6,397.95	0.00	0.00	0.00
16,000.00	90.00	359.95	10,589.00	6,452.79	844.12	6,497.66	0.00	0.00	0.00
16,100.00	90.00	359.95	10,589.00	6,552.79	844.02	6,597.38	0.00	0.00	0.00
16,200.00	90.00	359.95	10,589.00	6,652.79	843.93	6,697.10	0.00	0.00	0.00
16,300.00	90.00	359.95	10,589.00	6,752.79	843.84	6,796.81	0.00	0.00	0.00
16,400.00	90.00	359.95	10,589.00	6,852.79	843.74	6,896.53	0.00	0.00	0.00
16,500.00	90.00	359.95	10,589.00	6,952.79	843.65	6,996.25	0.00	0.00	0.00
16,600.00	90.00	359.95	10,589.00	7,052.79	843.55	7,095.96	0.00	0.00	0.00
16,700.00	90.00	359.95	10,589.00	7,152.79	843.46	7,195.68	0.00	0.00	0.00
16,800.00	90.00	359.95	10,589.00	7,252.79	843.36	7,295.40	0.00	0.00	0.00
16,900.00	90.00	359.95	10,589.00	7,352.79	843.27	7,395.11	0.00	0.00	0.00
17,000.00	90.00	359.95	10,589.00	7,452.79	843.17	7,494.83	0.00	0.00	0.00
17,100.00	90.00	359.95	10,589.00	7,552.79	843.08	7,594.55	0.00	0.00	0.00
17,200.00	90.00	359.95	10,589.00	7,652.79	842.99	7,694.26	0.00	0.00	0.00
17,300.00	90.00	359.95	10,589.00	7,752.79	842.89	7,793.98	0.00	0.00	0.00
17,400.00	90.00	359.95	10,589.00	7,852.79	842.80	7,893.70	0.00	0.00	0.00
17,500.00	90.00	359.95	10,589.00	7,952.79	842.70	7,993.41	0.00	0.00	0.00
17,600.00	90.00	359.95	10,589.00	8,052.79	842.61	8,093.13	0.00	0.00	0.00
17,700.00	90.00	359.95	10,589.00	8,152.79	842.51	8,192.85	0.00	0.00	0.00
17,800.00	90.00	359.95	10,589.00	8,252.79	842.42	8,292.56	0.00	0.00	0.00
17,900.00	90.00	359.95	10,589.00	8,352.79	842.32	8,392.28	0.00	0.00	0.00
18,000.00	90.00	359.95	10,589.00	8,452.79	842.23	8,492.00	0.00	0.00	0.00
18,100.00	90.00	359.95	10,589.00	8,552.79	842.14	8,591.71	0.00	0.00	0.00
18,200.00	90.00	359.95	10,589.00	8,652.79	842.04	8,691.43	0.00	0.00	0.00
18,300.00	90.00	359.95	10,589.00	8,752.79	841.95	8,791.15	0.00	0.00	0.00
18,400.00	90.00	359.95	10,589.00	8,852.79	841.85	8,890.86	0.00	0.00	0.00
18,500.00	90.00	359.95	10,589.00	8,952.79	841.76	8,990.58	0.00	0.00	0.00
18,600.00	90.00	359.95	10,589.00	9,052.79	841.66	9,090.30	0.00	0.00	0.00
18,700.00	90.00	359.95	10,589.00	9,152.79	841.57	9,190.01	0.00	0.00	0.00
18,800.00	90.00	359.95	10,589.00	9,252.79	841.47	9,289.73	0.00	0.00	0.00
18,900.00	90.00	359.95	10,589.00	9,352.79	841.38	9,389.45	0.00	0.00	0.00
19,000.00	90.00	359.95	10,589.00	9,452.79	841.29	9,489.16	0.00	0.00	0.00
19,100.00	90.00	359.95	10,589.00	9,552.79	841.19	9,588.88	0.00	0.00	0.00
19,200.00	90.00	359.95	10,589.00	9,652.78	841.10	9,688.60	0.00	0.00	0.00
19,300.00	90.00	359.95	10,589.00	9,752.78	841.00	9,788.31	0.00	0.00	0.00
19,400.00	90.00	359.95	10,589.00	9,852.78	840.91	9,888.03	0.00	0.00	0.00
19,500.00	90.00	359.95	10,589.00	9,952.78	840.81	9,987.75	0.00	0.00	0.00
19,600.00	90.00	359.95	10,589.00	10,052.78	840.72	10,087.46	0.00	0.00	0.00
19,700.00	90.00	359.95	10,589.00	10,152.78	840.63	10,187.18	0.00	0.00	0.00
19,800.00	90.00	359.95	10,589.00	10,252.78	840.53	10,286.90	0.00	0.00	0.00
19,900.00	90.00	359.95	10,589.00	10,352.78	840.44	10,386.61	0.00	0.00	0.00



Phoenix Planning Report



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Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3725.40usft (TBD)
Site:	Mozzarella Federal Com	North Reference:	True
Well:	504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 06-08-22		

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)	
20,000.00	90.00	359.95	10,589.00	10,452.78	840.34	10,486.33	0.00	0.00	0.00	
20,100.00	90.00	359.95	10,589.00	10,552.78	840.25	10,586.05	0.00	0.00	0.00	
20,200.00	90.00	359.95	10,589.00	10,652.78	840.15	10,685.76	0.00	0.00	0.00	
20,300.00	90.00	359.95	10,589.00	10,752.78	840.06	10,785.48	0.00	0.00	0.00	
20,400.00	90.00	359.95	10,589.00	10,852.78	839.96	10,885.20	0.00	0.00	0.00	
20,500.00	90.00	359.95	10,589.00	10,952.78	839.87	10,984.91	0.00	0.00	0.00	
20,600.00	90.00	359.95	10,589.00	11,052.78	839.78	11,084.63	0.00	0.00	0.00	
20,700.00	90.00	359.95	10,589.00	11,152.78	839.68	11,184.35	0.00	0.00	0.00	
20,800.00	90.00	359.95	10,589.00	11,252.78	839.59	11,284.06	0.00	0.00	0.00	
20,809.40	90.00	359.95	10,589.00	11,262.19	839.58	11,293.44	0.00	0.00	0.00	
TD at 20809.40										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
FTP - Mozzarella Fed	0.00	0.00	10,589.00	908.91	849.35	11,768,472.97	2,042,840.38	2° 24' 49.206310 N	3° 41' 44.034608 W	
- plan misses target center by 237.76usft at 10591.16usft MD (10429.63 TVD, 1085.36 N, 849.19 E)										
- Point										
BHL - Mozzarella Fed	0.00	359.95	10,589.00	11,262.19	839.58	11,778,823.13	2,042,704.54	2° 26' 31.650298 N	3° 41' 44.145003 W	
- plan hits target center										
- Rectangle (sides W0.00 H10,353.28 D20.00)										
LPP #1 - Mozzarella F	0.00	0.00	10,589.00	3,449.91	846.96	11,771,013.20	2,042,807.05	2° 25' 14.349082 N	3° 41' 44.061697 W	
- plan misses target center by 0.01usft at 12997.12usft MD (10589.00 TVD, 3449.91 N, 846.95 E)										
- Point										
LPP #2 - Mozzarella F	0.00	0.00	10,589.00	6,079.16	844.48	11,773,641.66	2,042,772.55	2° 25' 40.365112 N	3° 41' 44.089802 W	
- plan misses target center by 0.01usft at 15626.37usft MD (10589.00 TVD, 6079.16 N, 844.47 E)										
- Point										

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
709.40	709.40	Rustler		0.000	4.24	
1,155.40	1,155.40	Salado		0.000	4.24	
3,404.75	3,392.40	BX BLM (Fletcher Anhydrite)		0.000	4.24	
4,710.76	4,674.40	Lamar		0.000	4.24	
4,798.37	4,760.40	Bell Canyon		0.000	4.24	
5,644.94	5,591.40	Cherry Canyon		0.000	4.24	
5,882.30	5,824.40	Manzanita Lime		0.000	4.24	
7,010.04	6,931.40	Brushy Canyon		0.000	4.24	
8,742.08	8,632.40	Bone Spring Lime		0.000	4.24	
8,935.86	8,824.40	Avalon		0.000	4.24	
9,854.44	9,741.40	First Bone Spring Sand		0.000	4.24	
10,106.44	9,993.40	Second Bone Spring Shale		0.000	4.24	
10,448.77	10,319.40	Second Bone Spring Sand		0.000	4.24	



Phoenix Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 504H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3725.40usft (TBD)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3725.40usft (TBD)
Site:	Mozzarella Federal Com	North Reference:	True
Well:	504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 06-08-22		

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
3,100.43	3,093.68	76.97	71.93	Hold 11.00° Inc at 43.06° Azm
8,513.65	8,407.36	831.94	777.42	Begin 1.00°/100' Drop
9,614.08	9,501.04	908.91	849.35	Begin Vertical Hold
10,129.08	10,016.04	908.91	849.35	KOP2, Begin 10.00°/100' Build
11,029.08	10,589.00	1,481.87	848.81	LP, Hold 90.00° Inc at 359.95° Azm
20,809.40	10,589.00	11,262.19	839.58	TD at 20809.40

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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 119861

CONDITIONS

Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 119861
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

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