

Well Name: SHEBA FEDERAL COM	Well Location: T24S / R34E / SEC 27 / SENE /	County or Parish/State:
Well Number: 305H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM016139	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002550267	Well Status: Approved Application for Permit to Drill	Operator: CENTENNIAL RESOURCE PRODUCTION LLC

Notice of Intent

Sundry ID: 2668448

Type of Submission: Notice of Intent Type of Action: Other

Date Sundry Submitted: 04/25/2022 Time Sundry Submitted: 12:34

Date proposed operation will begin: 01/01/2023

Procedure Description: Centennial Resource Production, LLC requests to move the BHL from 100 FNL & 1254 FEL to 100 FNL & 1222 FEL, please see attached updated plat and directional plans. Centennial also requests to batch set the Sheba Federal Com 305H & Sheba Federal Com 306H wells with the offline cementing for the surface and intermediate strings. Please see attached procedures for both the batch setting and offline cement details. The proposed wellbore diagram is also attached.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

SHEBA_FED_COM_305H_ATTACHMENTS_20220811131330.pdf

Well Name: SHEBA FEDERAL COM	Well Location: T24S / R34E / SEC 27 / SENE /	County or Parish/State:
Well Number: 305H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM016139	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002550267	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: AUG 11, 2022 01:13 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: 09/26/2022
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 30-25-50267	² Pool Code 96434	³ Pool Name Red Hills; Bone Spring, North
⁴ Property Code 318028	⁵ Property Name SHEBA FEDERAL COM	⁶ Well Number 305H
⁷ OGRID No. 372165	⁸ Operator Name CENTENNIAL RESOURCE PRODUCTION, LLC	⁹ Elevation 3464.8'

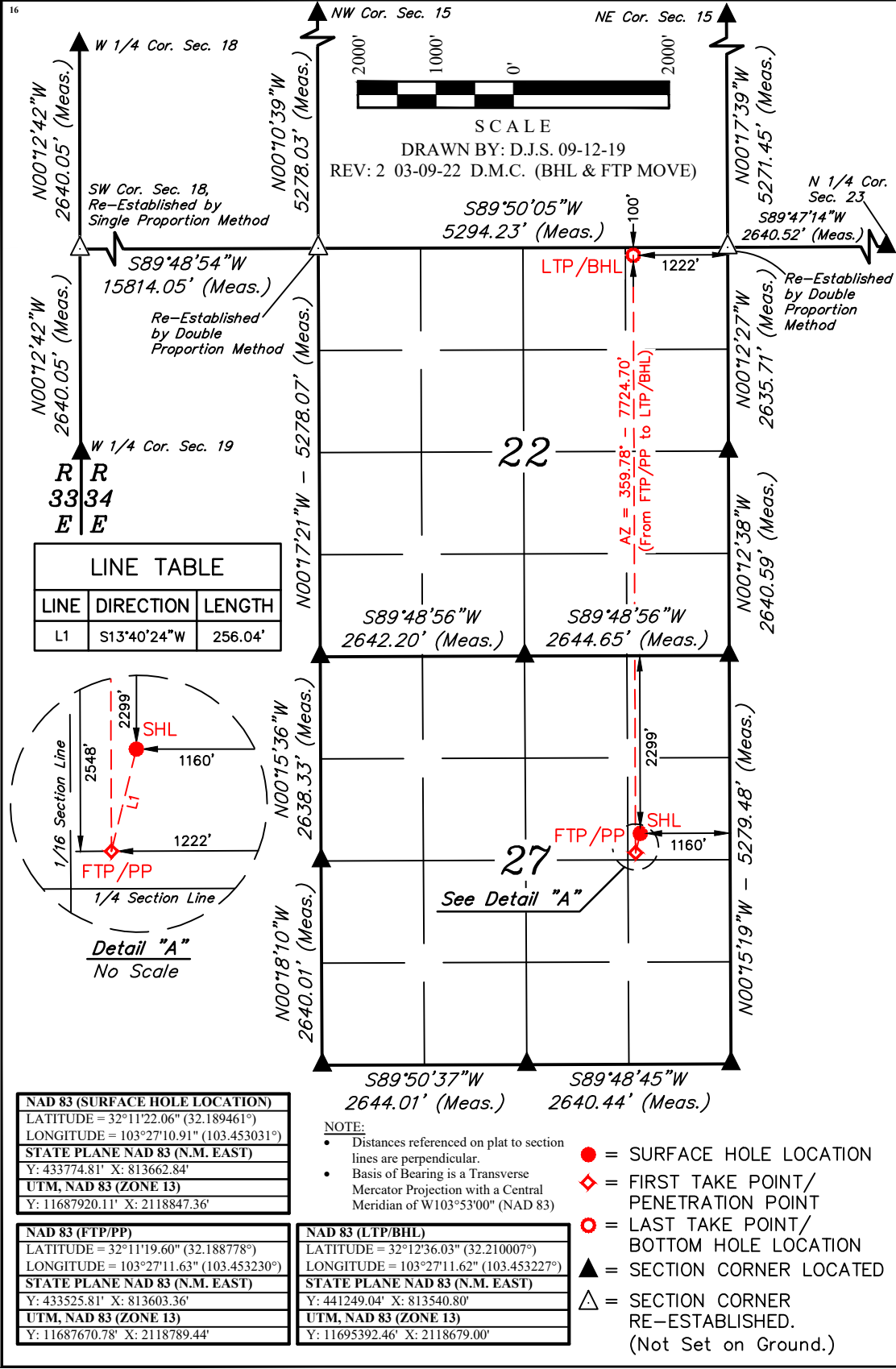
¹⁰ Surface Location

UL or lot no. H	Section 27	Township 24S	Range 34E	Lot Idn	Feet from the 2299	North/South line NORTH	Feet from the 1160	East/West line EAST	County LEA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. A	Section 22	Township 24S	Range 34E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 1222	East/West line EAST	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.

August 23, 2019

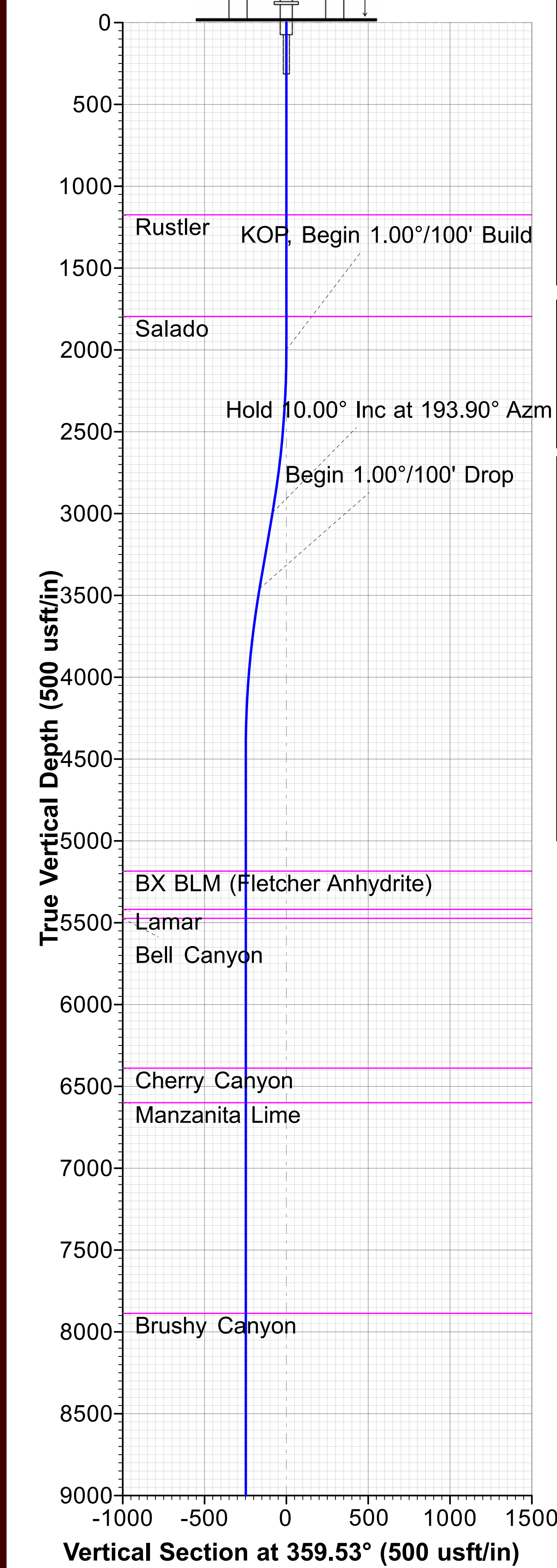
Date of Survey
Signature and Seal of Professional Surveyor:

PAUL BUCHELE
NEW MEXICO
23782
03-09-22
PROFESSIONAL SURVEYOR

Certificate Number:

RKB @ 3490.80ust (H&P 313)

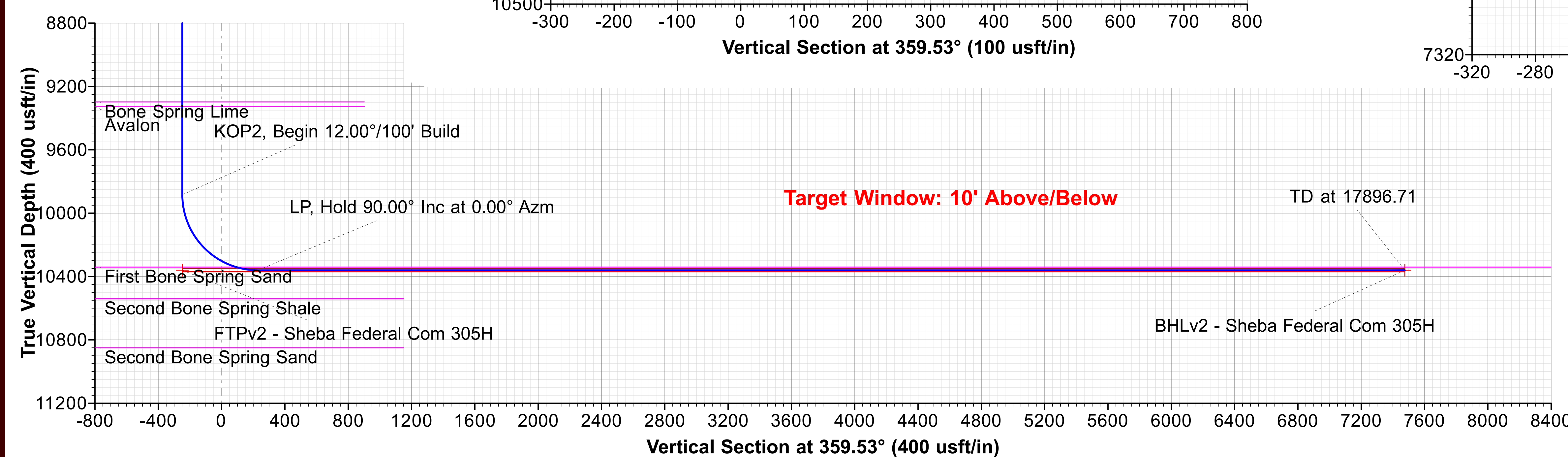
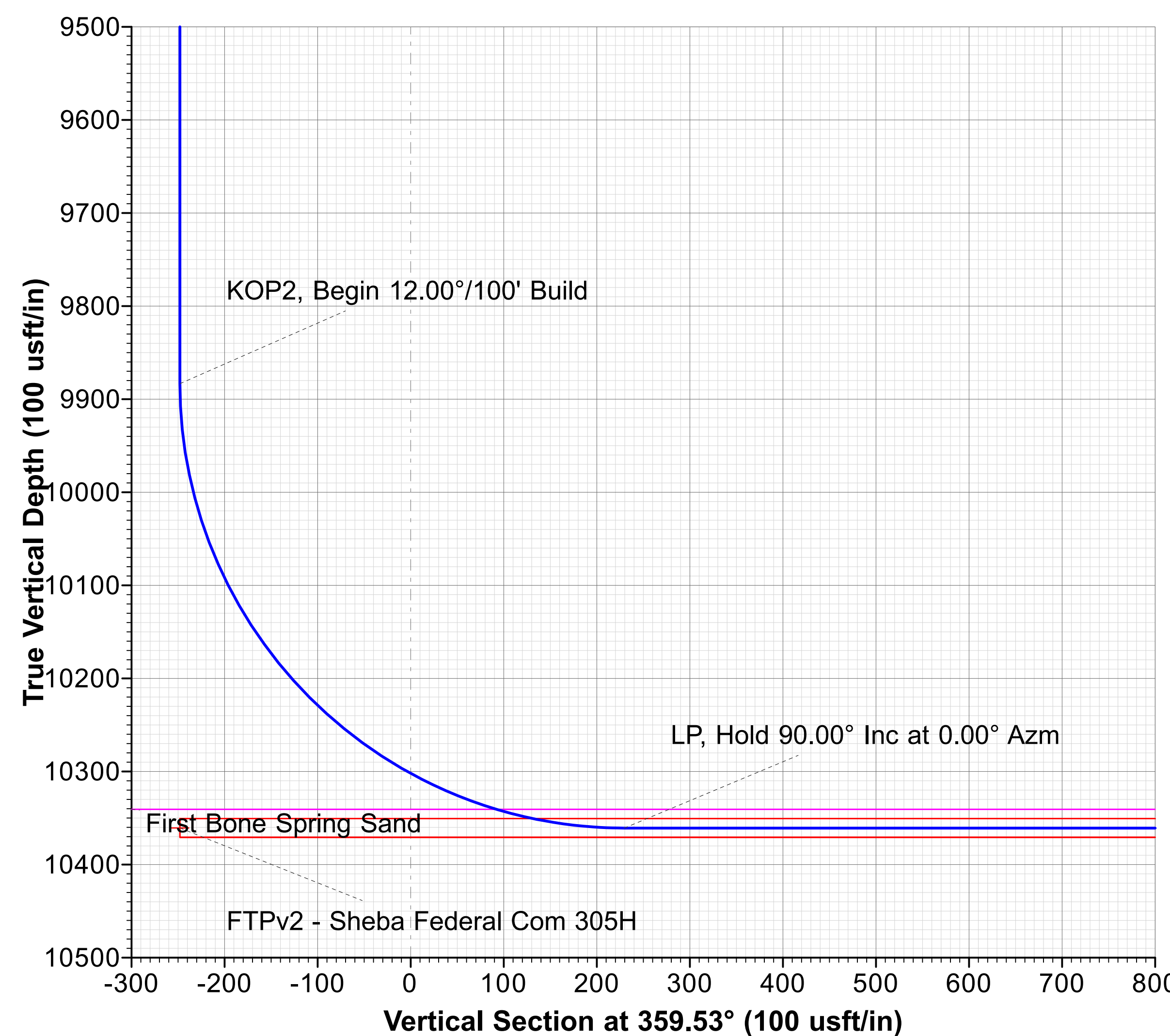
Ground Level: 3464.80



WELL DETAILS											
					Ground Level:	3464.80					
+N/-S		+E/-W		Northing	Easting	Latitude	Longitude				
0.00		0.00		11687920.11	2118847.36	32° 11' 22.058264 N	103° 27' 10.910857 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	3000.00	10.00	193.90	2994.93	-84.50	-20.91	1.00	193.902	-84.32		Hold 10.00° Inc at 193.90° Azm
4	3471.72	10.00	193.90	3459.49	-164.01	-40.60	0.00	0.000	-163.67		Begin 1.00°/100' Drop
5	4471.72	0.00	0.00	4454.42	-248.51	-61.51	1.00	180.000	-248.00		Begin Vertical Hold
6	9900.65	0.00	0.00	9883.34	-248.51	-61.51	0.00	0.000	-248.00		KOP2, Begin 12.00°/100' Build
7	10650.65	90.00	0.00	10360.80	228.96	-61.47	12.00	0.005	229.45		LP, Hold 90.00° Inc at 0.00° Azm
8	17896.71	90.00	0.00	10360.80	7475.03	-60.85	0.00	0.000	7475.28	BHLv2 - Sheba Federal Com 305H	TD at 17896.71

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
BHLv2 - Sheba Federal Com 305H	10360.80	7475.03	-60.85	11695392.46	2118679.00	32° 12' 36.025200 N	103° 27' 11.618828 W
FTPv2 - Sheba Federal Com 305H	10360.80	-248.51	-61.51	11687670.78	2118789.44	32° 11' 19.599249 N	103° 27' 11.626590 W

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
1174.80	1174.80	Rustler
1795.80	1795.80	Salado
5184.80	5202.11	BX BLM (Fletcher Anhydrite)
5418.80	5436.11	Lamar
5473.80	5491.11	Bell Canyon
6388.80	6406.11	Cherry Canyon
6599.80	6617.11	Manzanita Lime
7886.80	7904.11	Brushy Canyon
9297.80	9315.11	Bone Spring Lime
9325.80	9343.11	Avalon
10340.80	10511.94	First Bone Spring Sand



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)

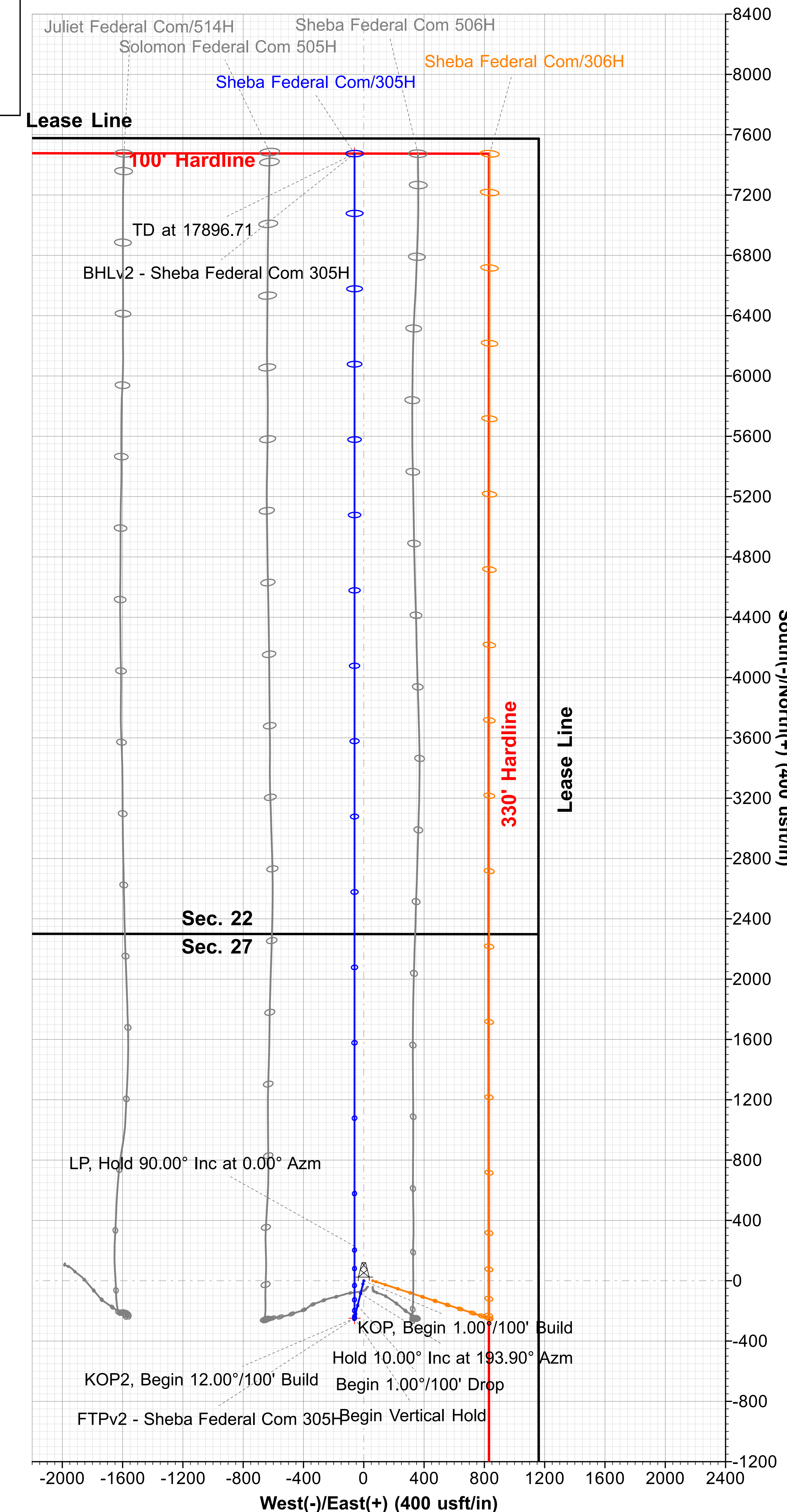
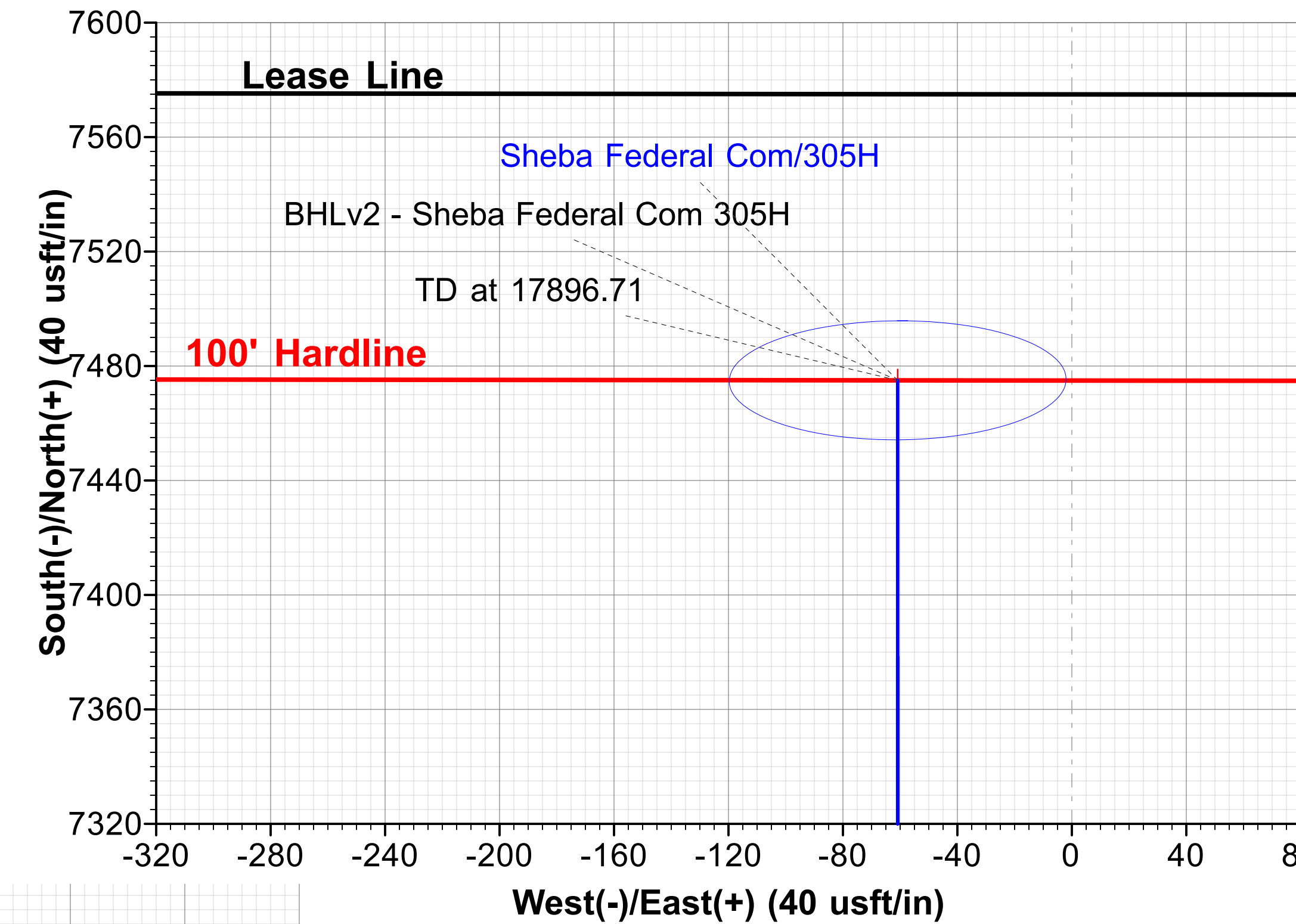
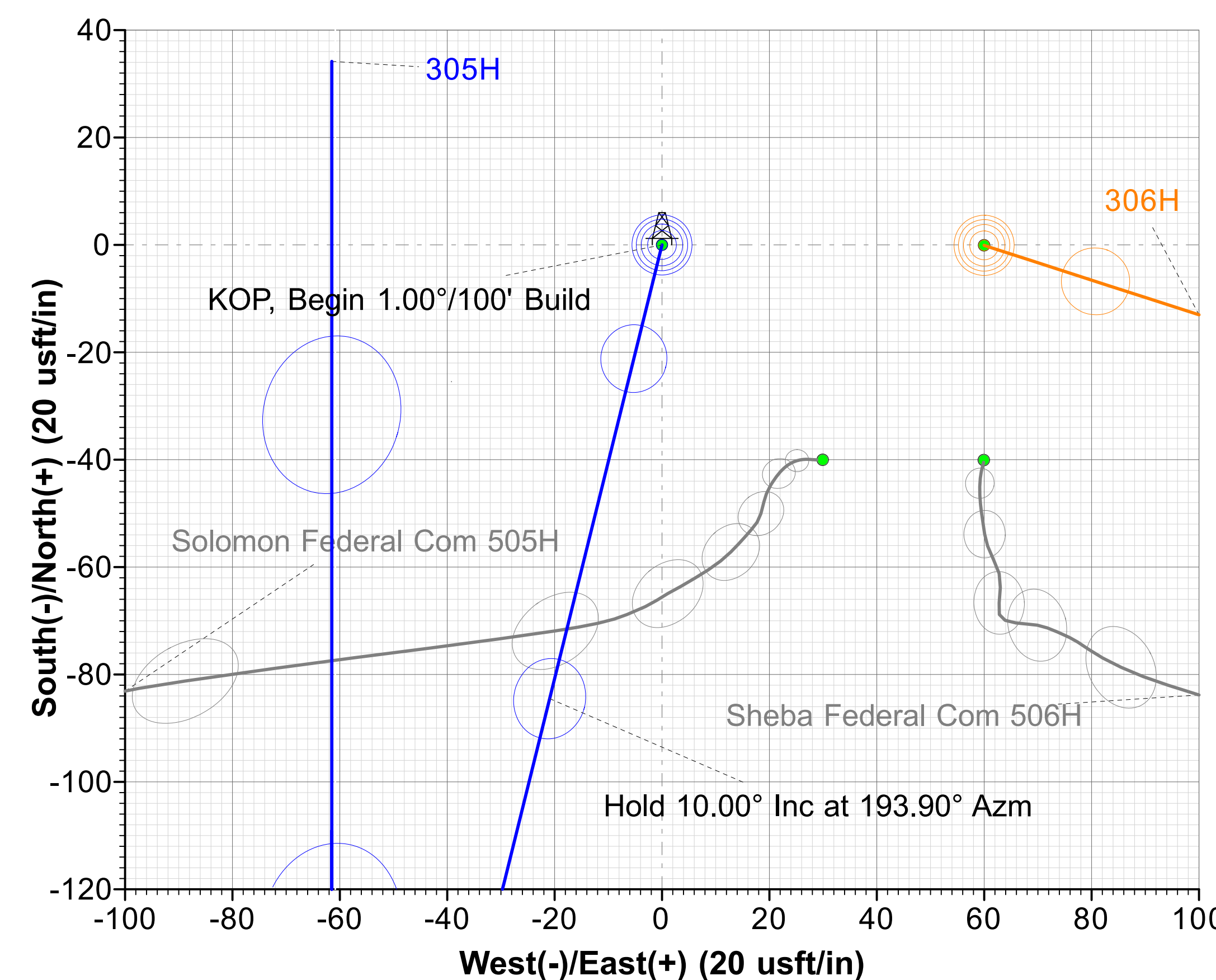
Local Origin: Well 305H, True North

Latitude: 32° 11' 22.058264 N
Longitude: 103° 27' 10.910857 W

Grid East: 2118847.36
Grid North: 11687920.11
Scale Factor: 1.000

Geomagnetic Model: MVHD
Sample Date: 21-May-22
Magnetic Declination: 6.315°
Dip Angle from Horizontal: 59.741°
Magnetic Field Strength: 47509.24473970nT

To convert a Magnetic Direction to a Grid Direction, Add 5.490°
To convert a Magnetic Direction to a True Direction, Add 6.315° East
To convert a True Direction to a Grid Direction, Subtract 0.824°





Centennial Resources Development, Inc.

**Lea County, NM (NAD83 - UTM Zone 13)
Sheba Federal Com
305H**

OH

Plan: Plan 2 03-21-22

Standard Planning Report

21 March, 2022





Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 305H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3490.80usft (H&P 313)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3490.80usft (H&P 313)
Site:	Sheba Federal Com	North Reference:	True
Well:	305H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 03-21-22		

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		Sheba Federal Com			
Site Position:		Northing:	11,687,920.11 usft	Latitude:	32° 11' 22.058264 N
From:	Map	Easting:	2,118,847.36 usft	Longitude:	103° 27' 10.910857 W
Position Uncertainty:		0.00 usft	Slot Radius:	13-3/16 "	

Well	305H					
Well Position	+N/-S	0.00 usft	Northing:	11,687,920.11 usft	Latitude:	32° 11' 22.058264 N
	+E/-W	0.00 usft	Easting:	2,118,847.36 usft	Longitude:	103° 27' 10.910857 W
Position Uncertainty		1.00 usft	Wellhead Elevation:		Ground Level:	3,464.80 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	5/21/2022	6.315	59.741	47,509.24473969

Design	Plan 2 03-21-22			
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	359.53

Plan Survey Tool Program	Date	3/21/2022		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	17,896.71	Plan 2 03-21-22 (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	193.90	2,994.93	-84.50	-20.91	1.00	1.00	0.00	193.902	
3,471.72	10.00	193.90	3,459.49	-164.01	-40.60	0.00	0.00	0.00	0.000	
4,471.72	0.00	0.00	4,454.42	-248.51	-61.51	1.00	-1.00	0.00	180.000	
9,900.65	0.00	0.00	9,883.34	-248.51	-61.51	0.00	0.00	0.00	0.000	
10,650.65	90.00	0.00	10,360.81	228.96	-61.47	12.00	12.00	0.00	0.005	
17,896.71	90.00	0.00	10,360.80	7,475.03	-60.85	0.00	0.00	0.00	0.000	BHLv2 - Sheba Fec



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 305H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3490.80usft (H&P 313)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3490.80usft (H&P 313)
Site:	Sheba Federal Com	North Reference:	True
Well:	305H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 03-21-22		

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
1,174.80	0.00	0.00	1,174.80	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
1,795.80	0.00	0.00	1,795.80	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	193.90	2,099.99	-0.85	-0.21	-0.85	1.00	1.00	0.00
2,200.00	2.00	193.90	2,199.96	-3.39	-0.84	-3.38	1.00	1.00	0.00
2,300.00	3.00	193.90	2,299.86	-7.62	-1.89	-7.61	1.00	1.00	0.00
2,400.00	4.00	193.90	2,399.68	-13.55	-3.35	-13.52	1.00	1.00	0.00
2,500.00	5.00	193.90	2,499.37	-21.16	-5.24	-21.12	1.00	1.00	0.00
2,600.00	6.00	193.90	2,598.90	-30.47	-7.54	-30.41	1.00	1.00	0.00
2,700.00	7.00	193.90	2,698.26	-41.46	-10.26	-41.37	1.00	1.00	0.00
2,800.00	8.00	193.90	2,797.40	-54.13	-13.40	-54.02	1.00	1.00	0.00
2,900.00	9.00	193.90	2,896.30	-68.47	-16.95	-68.33	1.00	1.00	0.00
3,000.00	10.00	193.90	2,994.93	-84.50	-20.91	-84.32	1.00	1.00	0.00
Hold 10.00° Inc at 193.90° Azm									
3,100.00	10.00	193.90	3,093.41	-101.35	-25.09	-101.14	0.00	0.00	0.00
3,200.00	10.00	193.90	3,191.89	-118.21	-29.26	-117.97	0.00	0.00	0.00
3,300.00	10.00	193.90	3,290.37	-135.06	-33.43	-134.79	0.00	0.00	0.00
3,400.00	10.00	193.90	3,388.85	-151.92	-37.60	-151.61	0.00	0.00	0.00
3,471.72	10.00	193.90	3,459.49	-164.01	-40.60	-163.67	0.00	0.00	0.00
Begin 1.00°/100' Drop									
3,500.00	9.72	193.90	3,487.35	-168.71	-41.76	-168.36	1.00	-1.00	0.00
3,600.00	8.72	193.90	3,586.05	-184.26	-45.61	-183.88	1.00	-1.00	0.00
3,700.00	7.72	193.90	3,685.03	-198.13	-49.04	-197.73	1.00	-1.00	0.00
3,800.00	6.72	193.90	3,784.23	-210.33	-52.06	-209.90	1.00	-1.00	0.00
3,900.00	5.72	193.90	3,883.64	-220.84	-54.66	-220.39	1.00	-1.00	0.00
4,000.00	4.72	193.90	3,983.23	-229.67	-56.85	-229.20	1.00	-1.00	0.00
4,100.00	3.72	193.90	4,082.96	-236.80	-58.61	-236.32	1.00	-1.00	0.00
4,200.00	2.72	193.90	4,182.80	-242.25	-59.96	-241.76	1.00	-1.00	0.00
4,300.00	1.72	193.90	4,282.72	-246.01	-60.89	-245.50	1.00	-1.00	0.00
4,400.00	0.72	193.90	4,382.70	-248.07	-61.40	-247.56	1.00	-1.00	0.00
4,471.72	0.00	0.00	4,454.42	-248.51	-61.51	-248.00	1.00	-1.00	0.00
Begin Vertical Hold									
4,500.00	0.00	0.00	4,482.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,582.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,682.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,782.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,882.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
5,000.00	0.00	0.00	4,982.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,082.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,182.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
5,202.11	0.00	0.00	5,184.80	-248.51	-61.51	-248.00	0.00	0.00	0.00
BX BLM (Fletcher Anhydrite)									
5,300.00	0.00	0.00	5,282.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,382.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
5,436.11	0.00	0.00	5,418.80	-248.51	-61.51	-248.00	0.00	0.00	0.00
Lamar									
5,491.11	0.00	0.00	5,473.80	-248.51	-61.51	-248.00	0.00	0.00	0.00
Bell Canyon									
5,500.00	0.00	0.00	5,482.70	-248.51	-61.51	-248.00	0.00	0.00	0.00



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 305H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3490.80usft (H&P 313)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3490.80usft (H&P 313)
Site:	Sheba Federal Com	North Reference:	True
Well:	305H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 03-21-22		

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	5,582.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,682.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,782.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,882.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
6,000.00	0.00	0.00	5,982.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,082.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,182.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,282.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,382.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
6,406.11	0.00	0.00	6,388.80	-248.51	-61.51	-248.00	0.00	0.00	0.00
Cherry Canyon									
6,500.00	0.00	0.00	6,482.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,582.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
6,617.11	0.00	0.00	6,599.80	-248.51	-61.51	-248.00	0.00	0.00	0.00
Manzanita Lime									
6,700.00	0.00	0.00	6,682.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,782.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,882.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
7,000.00	0.00	0.00	6,982.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,082.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,182.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,282.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,382.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,482.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,582.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,682.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,782.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,882.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
7,904.11	0.00	0.00	7,886.80	-248.51	-61.51	-248.00	0.00	0.00	0.00
Brushy Canyon									
8,000.00	0.00	0.00	7,982.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
8,100.00	0.00	0.00	8,082.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,182.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,282.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,382.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,482.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
8,600.00	0.00	0.00	8,582.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
8,700.00	0.00	0.00	8,682.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
8,800.00	0.00	0.00	8,782.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
8,900.00	0.00	0.00	8,882.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
9,000.00	0.00	0.00	8,982.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
9,100.00	0.00	0.00	9,082.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
9,200.00	0.00	0.00	9,182.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
9,300.00	0.00	0.00	9,282.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
9,315.11	0.00	0.00	9,297.80	-248.51	-61.51	-248.00	0.00	0.00	0.00
Bone Spring Lime									
9,343.11	0.00	0.00	9,325.80	-248.51	-61.51	-248.00	0.00	0.00	0.00
Avalon									
9,400.00	0.00	0.00	9,382.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
9,500.00	0.00	0.00	9,482.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
9,600.00	0.00	0.00	9,582.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
9,700.00	0.00	0.00	9,682.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
9,800.00	0.00	0.00	9,782.70	-248.51	-61.51	-248.00	0.00	0.00	0.00



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 305H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3490.80usft (H&P 313)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3490.80usft (H&P 313)
Site:	Sheba Federal Com	North Reference:	True
Well:	305H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 03-21-22		

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)
9,900.00	0.00	0.00	9,882.70	-248.51	-61.51	-248.00	0.00	0.00	0.00
9,900.65	0.00	0.00	9,883.34	-248.51	-61.51	-248.00	0.00	0.00	0.00
KOP2, Begin 12.00°/100' Build									
10,000.00	11.92	0.00	9,981.98	-238.21	-61.51	-237.70	12.00	12.00	0.00
10,100.00	23.92	0.00	10,076.95	-207.49	-61.51	-206.98	12.00	12.00	0.00
10,200.00	35.92	0.00	10,163.46	-157.70	-61.50	-157.19	12.00	12.00	0.00
10,300.00	47.92	0.00	10,237.73	-91.01	-61.50	-90.50	12.00	12.00	0.00
10,400.00	59.92	0.00	10,296.51	-10.33	-61.49	-9.83	12.00	12.00	0.00
10,500.00	71.92	0.00	10,337.24	80.80	-61.48	81.30	12.00	12.00	0.00
10,511.94	73.36	0.00	10,340.80	92.20	-61.48	92.70	12.00	12.00	0.00
First Bone Spring Sand									
10,600.00	83.92	0.00	10,358.12	178.41	-61.47	178.90	12.00	12.00	0.00
10,650.65	90.00	0.00	10,360.81	228.96	-61.47	229.45	12.00	12.00	0.00
LP, Hold 90.00° Inc at 0.00° Azm									
10,700.00	90.00	0.00	10,360.81	278.31	-61.46	278.81	0.00	0.00	0.00
10,800.00	90.00	0.00	10,360.80	378.31	-61.46	378.80	0.00	0.00	0.00
10,900.00	90.00	0.00	10,360.80	478.31	-61.45	478.80	0.00	0.00	0.00
11,000.00	90.00	0.00	10,360.80	578.31	-61.44	578.80	0.00	0.00	0.00
11,100.00	90.00	0.00	10,360.80	678.31	-61.43	678.79	0.00	0.00	0.00
11,200.00	90.00	0.00	10,360.80	778.31	-61.42	778.79	0.00	0.00	0.00
11,300.00	90.00	0.00	10,360.80	878.31	-61.41	878.79	0.00	0.00	0.00
11,400.00	90.00	0.00	10,360.80	978.31	-61.40	978.78	0.00	0.00	0.00
11,500.00	90.00	0.00	10,360.80	1,078.31	-61.40	1,078.78	0.00	0.00	0.00
11,600.00	90.00	0.00	10,360.80	1,178.31	-61.39	1,178.78	0.00	0.00	0.00
11,700.00	90.00	0.00	10,360.80	1,278.31	-61.38	1,278.77	0.00	0.00	0.00
11,800.00	90.00	0.00	10,360.80	1,378.31	-61.37	1,378.77	0.00	0.00	0.00
11,900.00	90.00	0.00	10,360.80	1,478.31	-61.36	1,478.77	0.00	0.00	0.00
12,000.00	90.00	0.00	10,360.80	1,578.31	-61.35	1,578.76	0.00	0.00	0.00
12,100.00	90.00	0.00	10,360.80	1,678.31	-61.34	1,678.76	0.00	0.00	0.00
12,200.00	90.00	0.00	10,360.80	1,778.31	-61.34	1,778.76	0.00	0.00	0.00
12,300.00	90.00	0.00	10,360.80	1,878.31	-61.33	1,878.75	0.00	0.00	0.00
12,400.00	90.00	0.00	10,360.80	1,978.31	-61.32	1,978.75	0.00	0.00	0.00
12,500.00	90.00	0.00	10,360.80	2,078.31	-61.31	2,078.74	0.00	0.00	0.00
12,600.00	90.00	0.00	10,360.80	2,178.31	-61.30	2,178.74	0.00	0.00	0.00
12,700.00	90.00	0.00	10,360.80	2,278.31	-61.29	2,278.74	0.00	0.00	0.00
12,800.00	90.00	0.00	10,360.80	2,378.31	-61.29	2,378.73	0.00	0.00	0.00
12,900.00	90.00	0.00	10,360.80	2,478.31	-61.28	2,478.73	0.00	0.00	0.00
13,000.00	90.00	0.00	10,360.80	2,578.31	-61.27	2,578.73	0.00	0.00	0.00
13,100.00	90.00	0.00	10,360.80	2,678.31	-61.26	2,678.72	0.00	0.00	0.00
13,200.00	90.00	0.00	10,360.80	2,778.31	-61.25	2,778.72	0.00	0.00	0.00
13,300.00	90.00	0.00	10,360.80	2,878.31	-61.24	2,878.72	0.00	0.00	0.00
13,400.00	90.00	0.00	10,360.80	2,978.31	-61.23	2,978.71	0.00	0.00	0.00
13,500.00	90.00	0.00	10,360.80	3,078.31	-61.23	3,078.71	0.00	0.00	0.00
13,600.00	90.00	0.00	10,360.80	3,178.31	-61.22	3,178.71	0.00	0.00	0.00
13,700.00	90.00	0.00	10,360.80	3,278.31	-61.21	3,278.70	0.00	0.00	0.00
13,800.00	90.00	0.00	10,360.80	3,378.31	-61.20	3,378.70	0.00	0.00	0.00
13,900.00	90.00	0.00	10,360.80	3,478.31	-61.19	3,478.70	0.00	0.00	0.00
14,000.00	90.00	0.00	10,360.80	3,578.31	-61.18	3,578.69	0.00	0.00	0.00
14,100.00	90.00	0.00	10,360.80	3,678.31	-61.17	3,678.69	0.00	0.00	0.00
14,200.00	90.00	0.00	10,360.80	3,778.31	-61.17	3,778.69	0.00	0.00	0.00
14,300.00	90.00	0.00	10,360.80	3,878.31	-61.16	3,878.68	0.00	0.00	0.00
14,400.00	90.00	0.00	10,360.80	3,978.31	-61.15	3,978.68	0.00	0.00	0.00
14,500.00	90.00	0.00	10,360.80	4,078.31	-61.14	4,078.68	0.00	0.00	0.00



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 305H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3490.80usft (H&P 313)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3490.80usft (H&P 313)
Site:	Sheba Federal Com	North Reference:	True
Well:	305H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 03-21-22		

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	0.00	10,360.80	4,178.31	-61.13	4,178.67	0.00	0.00	0.00
14,700.00	90.00	0.00	10,360.80	4,278.31	-61.12	4,278.67	0.00	0.00	0.00
14,800.00	90.00	0.00	10,360.80	4,378.31	-61.11	4,378.67	0.00	0.00	0.00
14,900.00	90.00	0.00	10,360.80	4,478.31	-61.11	4,478.66	0.00	0.00	0.00
15,000.00	90.00	0.00	10,360.80	4,578.31	-61.10	4,578.66	0.00	0.00	0.00
15,100.00	90.00	0.00	10,360.80	4,678.31	-61.09	4,678.66	0.00	0.00	0.00
15,200.00	90.00	0.00	10,360.80	4,778.31	-61.08	4,778.65	0.00	0.00	0.00
15,300.00	90.00	0.00	10,360.80	4,878.31	-61.07	4,878.65	0.00	0.00	0.00
15,400.00	90.00	0.00	10,360.80	4,978.31	-61.06	4,978.65	0.00	0.00	0.00
15,500.00	90.00	0.00	10,360.80	5,078.31	-61.05	5,078.64	0.00	0.00	0.00
15,600.00	90.00	0.00	10,360.80	5,178.31	-61.05	5,178.64	0.00	0.00	0.00
15,700.00	90.00	0.00	10,360.80	5,278.31	-61.04	5,278.64	0.00	0.00	0.00
15,800.00	90.00	0.00	10,360.80	5,378.31	-61.03	5,378.63	0.00	0.00	0.00
15,900.00	90.00	0.00	10,360.80	5,478.31	-61.02	5,478.63	0.00	0.00	0.00
16,000.00	90.00	0.00	10,360.80	5,578.31	-61.01	5,578.63	0.00	0.00	0.00
16,100.00	90.00	0.00	10,360.80	5,678.31	-61.00	5,678.62	0.00	0.00	0.00
16,200.00	90.00	0.00	10,360.80	5,778.31	-60.99	5,778.62	0.00	0.00	0.00
16,300.00	90.00	0.00	10,360.80	5,878.31	-60.99	5,878.62	0.00	0.00	0.00
16,400.00	90.00	0.00	10,360.80	5,978.31	-60.98	5,978.61	0.00	0.00	0.00
16,500.00	90.00	0.00	10,360.80	6,078.31	-60.97	6,078.61	0.00	0.00	0.00
16,600.00	90.00	0.00	10,360.80	6,178.31	-60.96	6,178.61	0.00	0.00	0.00
16,700.00	90.00	0.00	10,360.80	6,278.31	-60.95	6,278.60	0.00	0.00	0.00
16,800.00	90.00	0.00	10,360.80	6,378.31	-60.94	6,378.60	0.00	0.00	0.00
16,900.00	90.00	0.00	10,360.80	6,478.31	-60.94	6,478.60	0.00	0.00	0.00
17,000.00	90.00	0.00	10,360.80	6,578.31	-60.93	6,578.59	0.00	0.00	0.00
17,100.00	90.00	0.00	10,360.80	6,678.31	-60.92	6,678.59	0.00	0.00	0.00
17,200.00	90.00	0.00	10,360.80	6,778.31	-60.91	6,778.59	0.00	0.00	0.00
17,300.00	90.00	0.00	10,360.80	6,878.31	-60.90	6,878.58	0.00	0.00	0.00
17,400.00	90.00	0.00	10,360.80	6,978.31	-60.89	6,978.58	0.00	0.00	0.00
17,500.00	90.00	0.00	10,360.80	7,078.31	-60.88	7,078.58	0.00	0.00	0.00
17,600.00	90.00	0.00	10,360.80	7,178.31	-60.88	7,178.57	0.00	0.00	0.00
17,700.00	90.00	0.00	10,360.80	7,278.31	-60.87	7,278.57	0.00	0.00	0.00
17,800.00	90.00	0.00	10,360.80	7,378.31	-60.86	7,378.57	0.00	0.00	0.00
17,896.71	90.00	0.00	10,360.80	7,475.03	-60.85	7,475.28	0.00	0.00	0.00
TD at 17896.71									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTPv2 - Sheba Feder	0.00	0.00	10,360.80	-248.51	-61.51	11,687,670.78	2,118,789.44	32° 11' 19.599249 N	3° 27' 11.626590 W
- plan misses target center by 198.18usft at 10286.31usft MD (10228.42 TVD, -101.03 N, -61.50 E)									
- Point									
BHLv2 - Sheba Feder	0.00	0.00	10,360.80	7,475.03	-60.85	11,695,392.46	2,118,679.00	32° 12' 36.025200 N	3° 27' 11.618828 W
- plan hits target center									
- Rectangle (sides W0.00 H7,723.53 D20.00)									



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 305H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3490.80usft (H&P 313)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3490.80usft (H&P 313)
Site:	Sheba Federal Com	North Reference:	True
Well:	305H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 03-21-22		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,174.80	1,174.80	Rustler		0.000	359.29	
1,795.80	1,795.80	Salado		0.000	359.29	
5,202.11	5,184.80	BX BLM (Fletcher Anhydrite)		0.000	359.29	
5,436.11	5,418.80	Lamar		0.000	359.29	
5,491.11	5,473.80	Bell Canyon		0.000	359.29	
6,406.11	6,388.80	Cherry Canyon		0.000	359.29	
6,617.11	6,599.80	Manzanita Lime		0.000	359.29	
7,904.11	7,886.80	Brushy Canyon		0.000	359.29	
9,315.11	9,297.80	Bone Spring Lime		0.000	359.29	
9,343.11	9,325.80	Avalon		0.000	359.29	
10,511.94	10,340.80	First Bone Spring Sand		0.000	359.29	

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	-84.50	-20.91	Hold 10.00° Inc at 193.90° Azm	
3,471.72	3,459.49	-164.01	-40.60	Begin 1.00°/100' Drop	
4,471.72	4,454.42	-248.51	-61.51	Begin Vertical Hold	
9,900.65	9,883.34	-248.51	-61.51	KOP2, Begin 12.00°/100' Build	
10,650.65	10,360.81	228.96	-61.47	LP, Hold 90.00° Inc at 0.00° Azm	
17,896.71	10,360.80	7,475.03	-60.85	TD at 17896.71	

Centennial Resource Development New Mexico Multi-Well Pad Drilling Batch Setting Procedures

13-3/8" Surface Casing - CRD intends to Batch set all 13-3/8" casing to a depth approved in the APD. 17-1/2" Surface Holes will be batch drilled by a big rig. Appropriate notifications will be made prior to spudding the well, running and cementing casing and prior to skidding to the rig to the next well on pad.

1. Drill 17-1/2" Surface hole to Approved Depth with Rig and perform wellbore cleanup cycles. Trip out and rack back drilling BHA.
2. Run and land 13-3/8" 54.5# J55 BTC casing [see Illustration 1-1 Below](#) to depth approved in APD.
3. Set packoff and test to 5k psi
4. Offline Cement
5. Install nightcap with Pressure Gauge on wellhead. Nightcap is shown on final wellhead Stack up [Illustration #2-2 page 3](#).
6. Skid Rig to adjacent well to drill Surface hole.
7. Surface casing test will be performed by the rig in order to allow ample time for Cement to develop 500psi compressive strength. Casing test to 0.22 psi/ft or 1500 psi whichever is greater - not to exceed 70% casing burst.

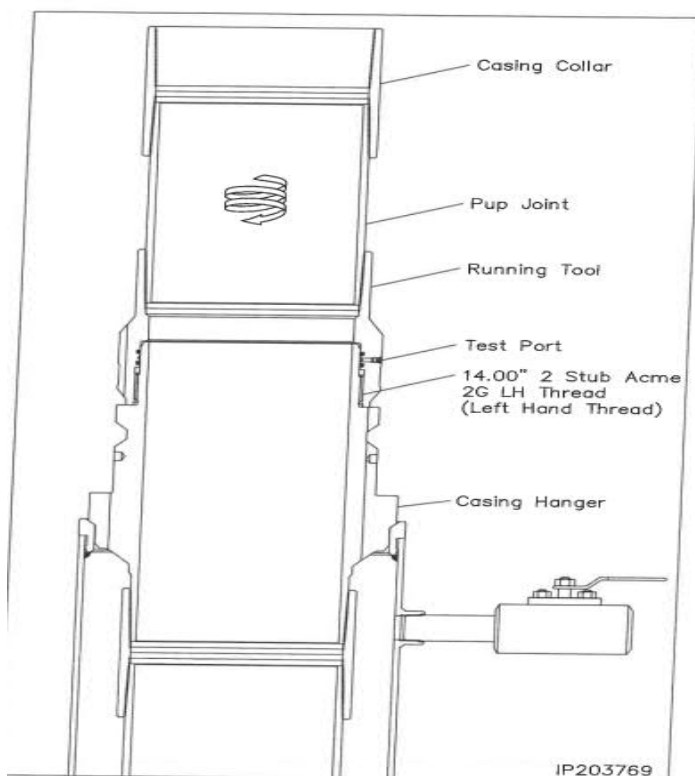


Illustration 1-1

Intermediate Casing – CRD intends to Batch set all intermediate casing strings to a depth approved in the APD, typically set into Lamar. For the last intermediate section drilled on pad, the associated production interval will immediately follow. Appropriate notifications will be made prior Testing BOPE, and prior to running/cementing all casing strings.

1. Rig will remove the nightcap and install and test BOPE.
2. Test Surface casing per COA WOC timing (.22 psi/ft or 1500 psi whichever is greater) - not to exceed 70% casing burst. Cement must have achieved 500psi compressive strength prior to test.
3. Install wear bushing then drill out 13-3/8" shoe-track plus 20' and conduct FIT to minimum of the MW equivalent anticipated to control the formation pressure to the next casing point.
4. Drill Intermediate hole to approved casing point. Trip out of hole with BHA to run Casing.
5. Remove wear bushing then run and land Intermediate Casing with mandrel hanger in wellhead.
6. Cement casing to surface with floats holding.
7. Washout stack then run wash tool in wellhead and wash hanger and pack-off setting area.
8. Install pack-off and test void to 5,000 psi for 15 minutes. Nightcap shown on final wellhead stack up [illustration 2-2 on page 3](#).
9. Test casing per COA WOC timing (.22 psi/ft or 1500 psi whichever is greater) - not to exceed 70% casing burst. Cement must have achieved 500psi compressive strength prior to test.
10. Install nightcap – skid rig to adjacent well to drill Intermediate hole.

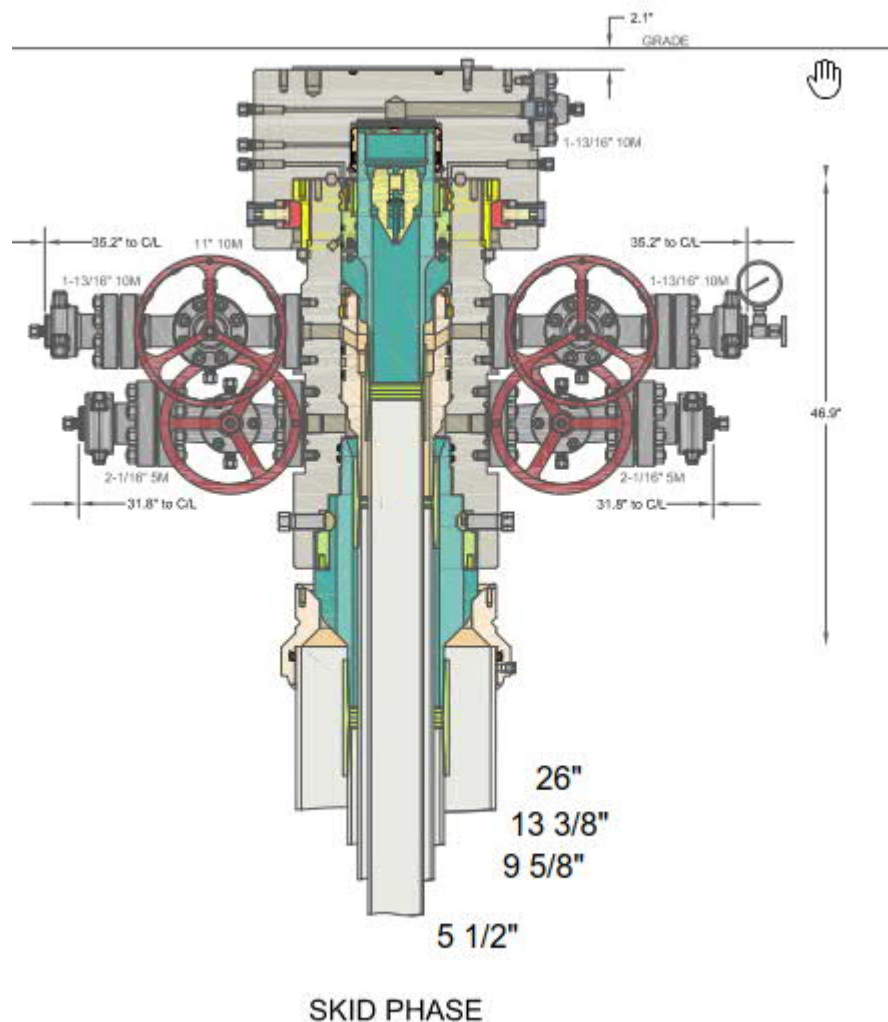


Illustration 2-2

Production Casing – CRD intends to Batch set all Production casings, except for the last intermediate hole. In this case the production interval will immediately follow the intermediate section on that well. Appropriate notifications will be made prior Testing BOPE, and prior to running/cementing all casing strings.

1. Big Rig will remove the nightcap and install and test BOPE.
2. Install wear bushing then drill Intermediate shoe-track plus 20' and conduct FIT to minimum MW equivalent to control the formation pressure to TD of well.
3. Drill Vertical hole to KOP – Trip out for Curve BHA.
4. Drill Curve, landing in production interval – Trip for Lateral BHA.
5. Drill Lateral / Production hole to Permitted BHL, perform cleanup cycles and trip out to run 5-1/2" Production Casing.
6. Remove wear bushing then run 5-1/2" production casing to TD landing casing mandrel in wellhead.
7. Cement 5-1/2" Production string to surface with floats holding.

8. Run in with wash tool and wash wellhead area – install pack-off and test void to 5,000psi for 15 minutes.
9. Install BPV in 5-1/2" mandrel hanger – Nipple down BOPE and install nightcap.
10. Test nightcap void to 5,000psi for 30 minutes per **illustration 2-2 page 3**.
11. Skid rig to adjacent well on pad to drill production hole.

Sheba Federal Com 305H

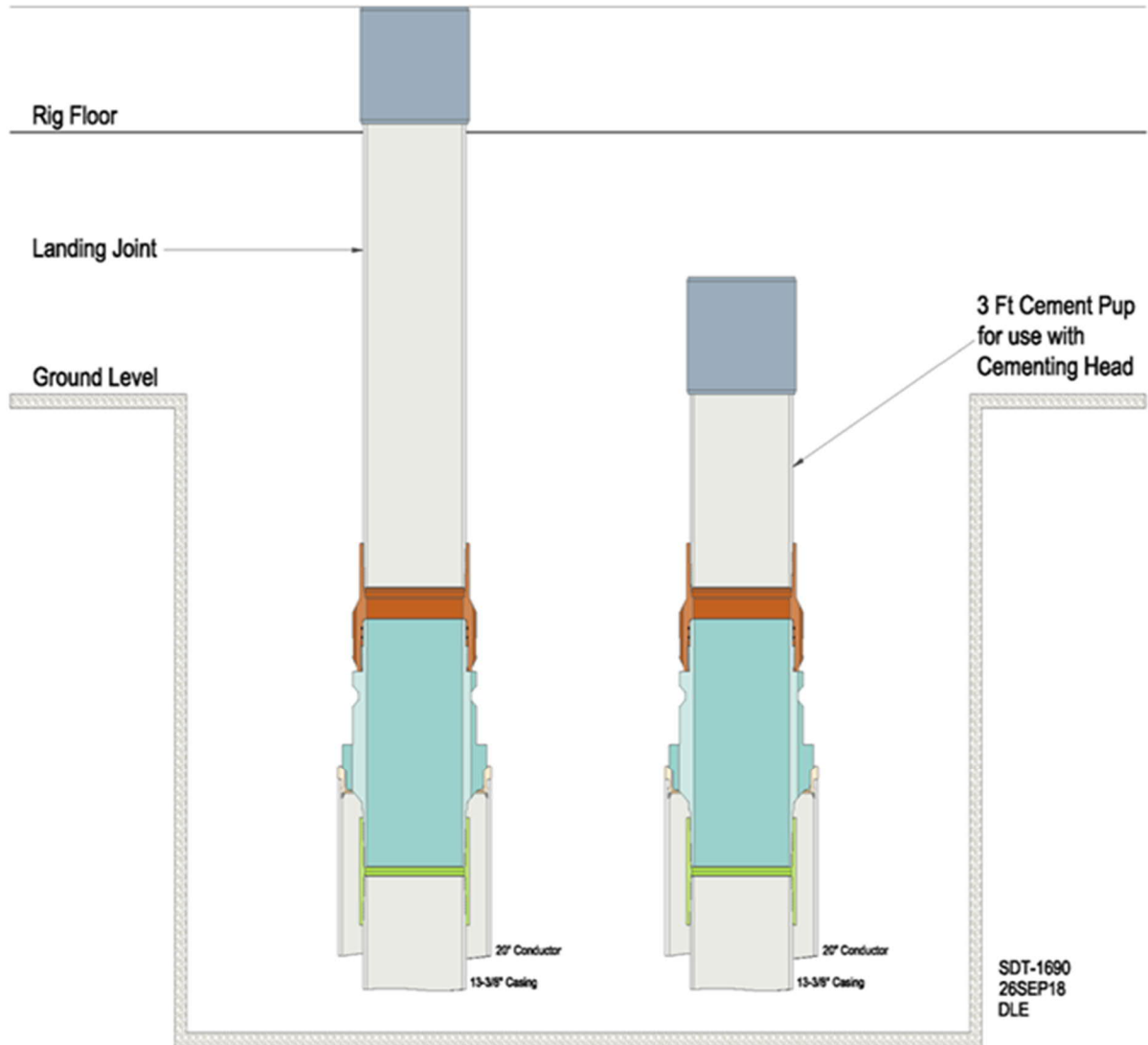
Centennial Offline Cementing Procedure

13-3/8" & 9-5/8" Casing

1. Drill hole to Total Depth with Rig and perform wellbore cleanup cycles.
2. Run and casing to Depth.
3. Land casing with mandrel.
4. Circulate 1.5 csg capacity.
5. Flow test – Confirm well is static and floats are holding.
6. Set Annular packoff and pressure test. Test to 5k.
7. Nipple down BOP and install cap flange.
8. Skid rig to next well on pad
9. Remove cap flange (confirm well is static before removal)
 - a. If well is not static use the casing outlet valves to kill well
 - b. Drillers method will be used in well control event
 - c. High pressure return line will be rigged up to lower casing valve and run to choke manifold to control annular pressure
 - d. Kill mud will be circulated once influx is circulated out of hole
 - e. Confirm well is static and remove cap flange to start offline cement operations
10. Install offline cement tool.
11. Rig up cementers.
12. Circulate bottoms up with cement truck
13. Commence planned cement job, take returns through the annulus wellhead valve
14. After plug is bumped confirm floats hold and well is static
15. Rig down cementers and equipment
16. Install night cap with pressure gauge to monitor.
17. Will only offline surface and intermediate casing.

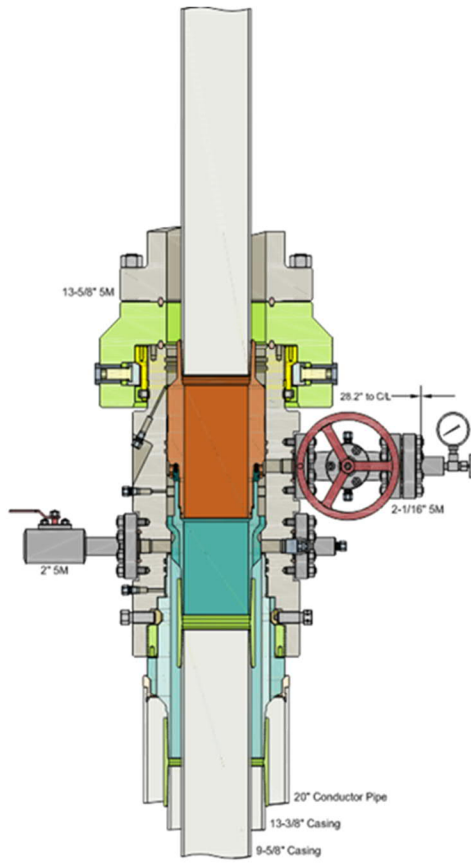
13 3/8" Surface job

CFL Off-Line Cementing Tool

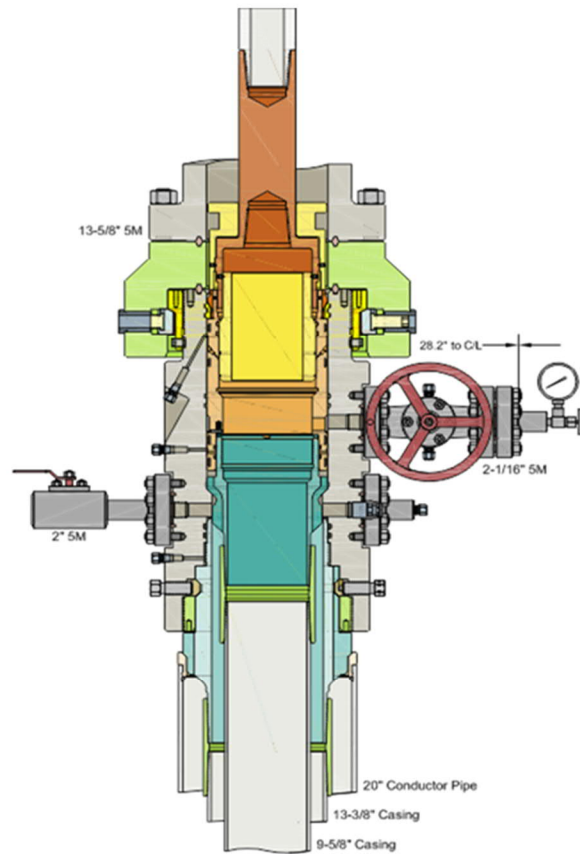




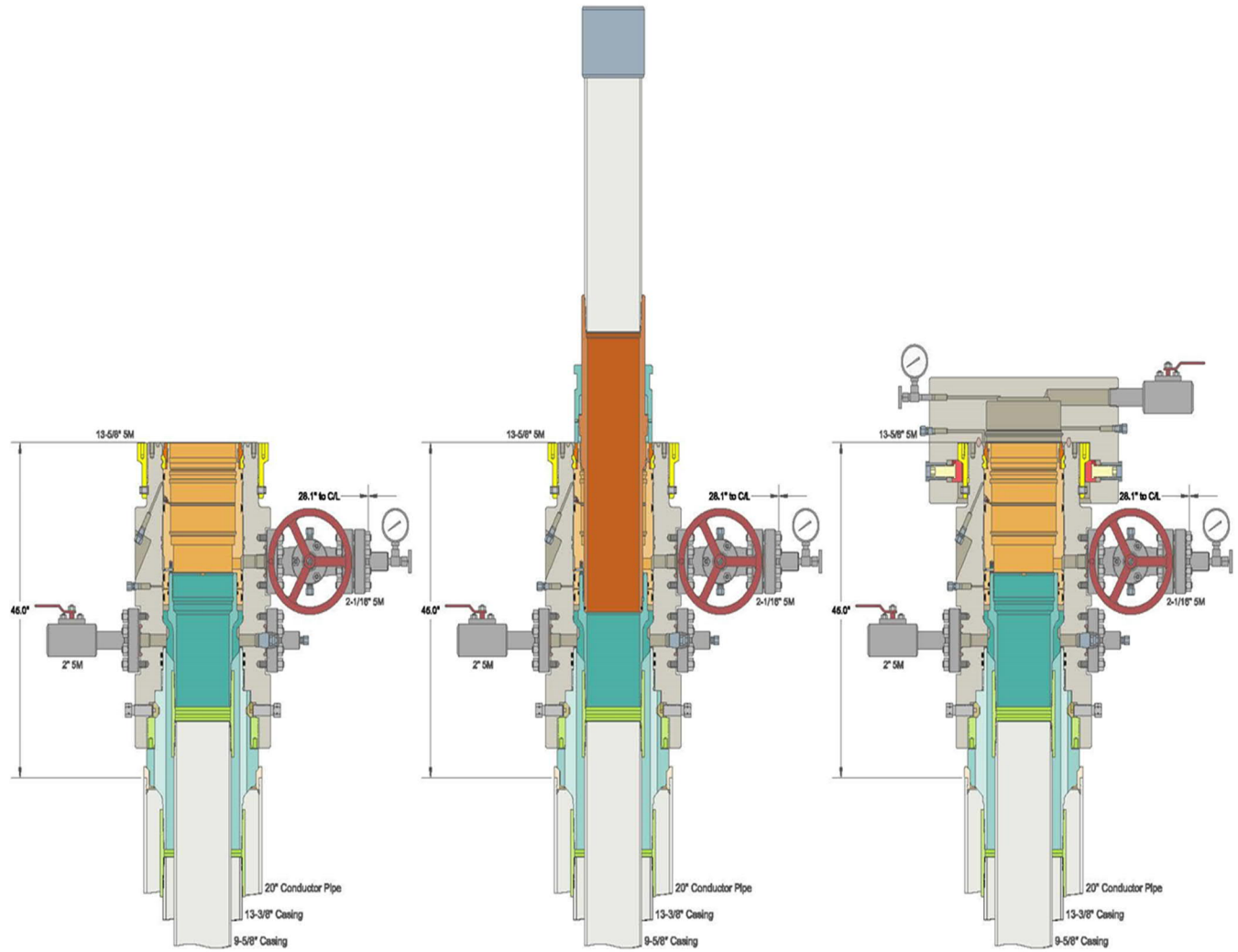
9 5/8" Intermediate Job



Run 9-5/8" Casing
Land Casing on 9-5/8" Mandrel Hanger
Cement 9-5/8" Casing
Retrieve Running Tool



Run 13-5/8" Packoff
Test Upper and Lower Seals
Engage Lockring
Retrieve Running Tool



CENTENNIAL

WBD

Well : Sheba Federal Com 305H

Area : Solomon

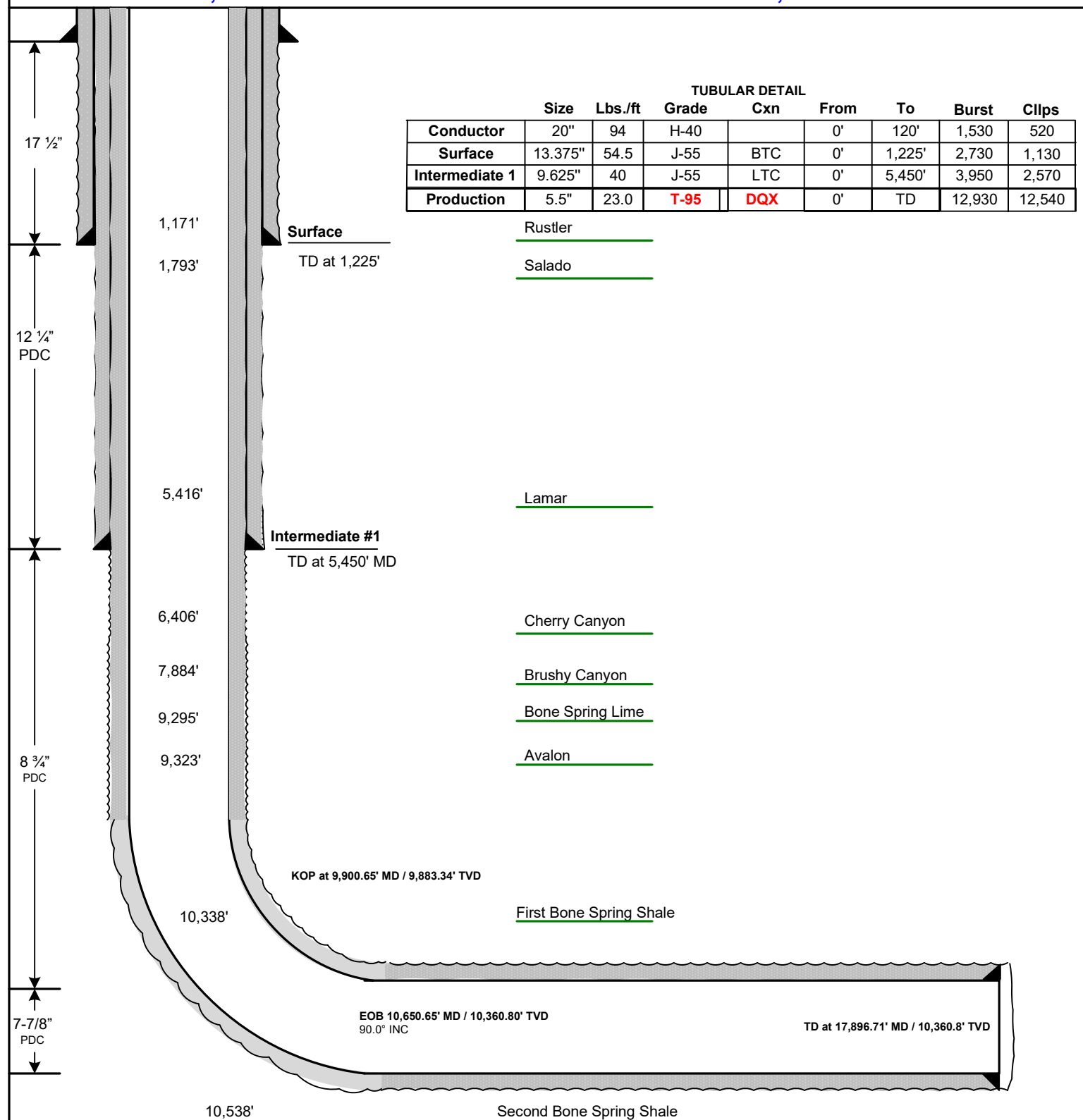
FM tgt: 1st BSS

County : Lea State : NM

Location : Lot H Section 27, T24S, R34E; 2,299' FNL & 1,160' FEL

BHL : Lot A, Section 22, T24S, R34E; 100' FNL & 1,222' FEL

KB Elev : 3,488' MSL KB : 26' AGL GL Elev : 3,462' MSL



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 146309

CONDITIONS

Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 146309
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	9/29/2022