

Well Name: SOLOMON FEDERAL COM	Well Location: T24S / R34E / SEC 27 / SWNE /	County or Parish/State:
Well Number: 304H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM126972	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002550269	Well Status: Approved Application for Permit to Drill	Operator: CENTENNIAL RESOURCE PRODUCTION LLC

Notice of Intent

Sundry ID: 2668946

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 04/27/2022	Time Sundry Submitted: 10:17
Date proposed operation will begin: 10/17/2022	

Procedure Description: Centennial Resource Production, LLC request to move the original BHL 69' to the east. The new BHL will be 100' FNL & 2114' FEL. Please see attached updated well plat and directional plans to reflect this change.

NOI Attachments

Procedure Description

- Solomon_Federal_Com_304H__Plan_1_04_06_22_20220427101707.pdf
- Solomon_Federal_Com_304H_Well_Plat_SBMT_4.27.22_20220427101655.pdf

Well Name: SOLOMON FEDERAL COM	Well Location: T24S / R34E / SEC 27 / SWNE /	County or Parish/State:
Well Number: 304H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM126972	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002550269	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: APR 27, 2022 10:16 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: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: cwalls@blm.gov

Disposition: Approved

Disposition Date: 08/08/2022

Signature: Chris Walls

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-50269	² Pool Code 96434	³ Pool Name Red Hills; Bone Spring, North
⁴ Property Code 318029	⁵ Property Name SOLOMON FEDERAL COM	⁶ Well Number 304H
⁷ OGRID No. 372165	⁸ Operator Name CENTENNIAL RESOURCE PRODUCTION, LLC	⁹ Elevation 3461.7'

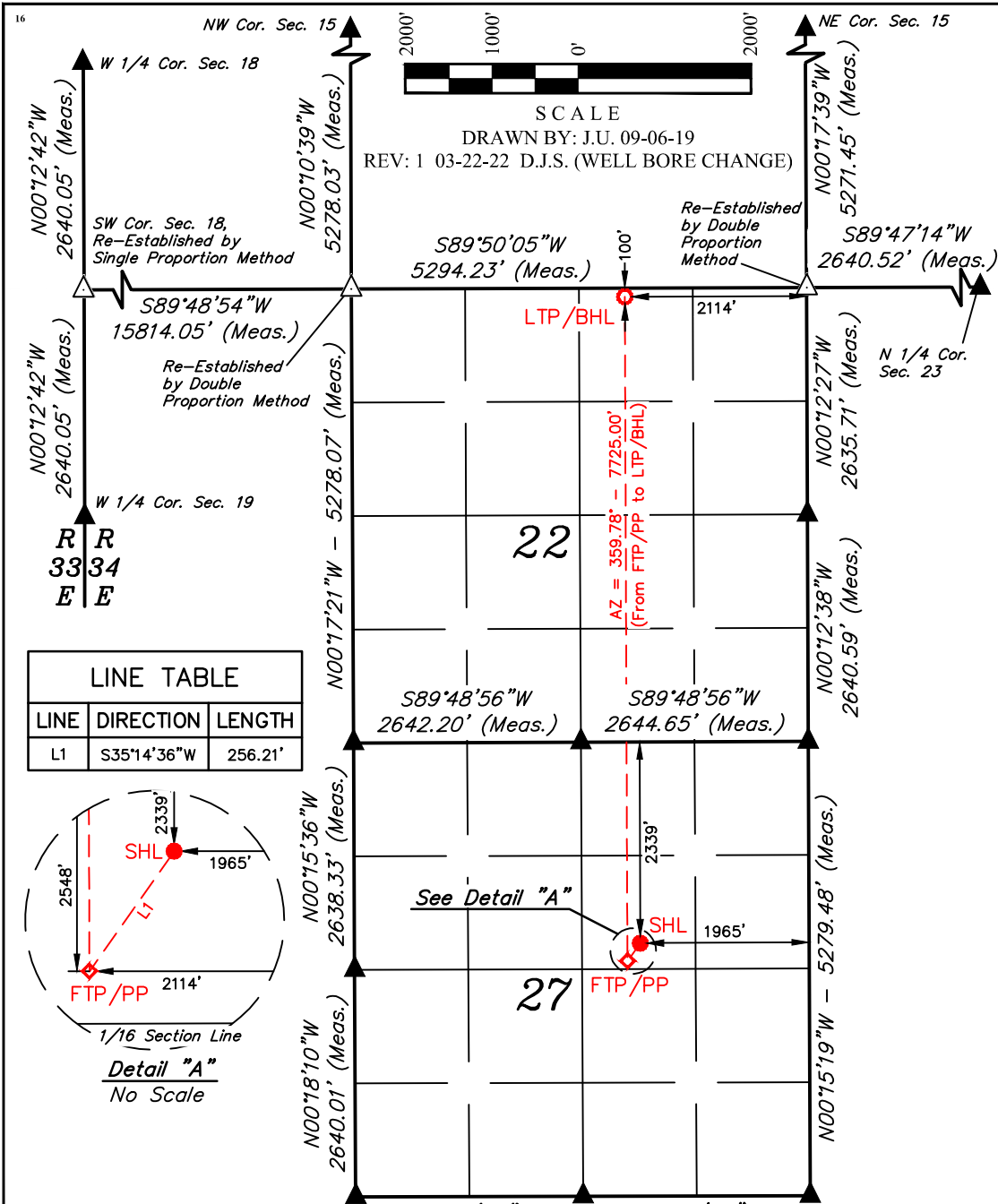
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	27	24S	34E		2339	NORTH	1965	EAST	LEA

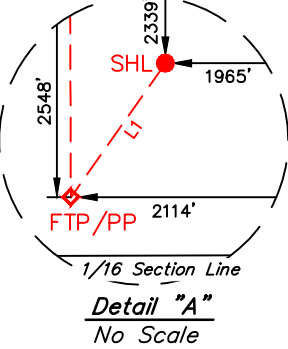
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	22	24S	34E		100	NORTH	2114	EAST	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.



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S35°14'36"W	256.21'



NAD 83 (SURFACE HOLE LOCATION)	
LATITUDE = 32°11'21.67" (32.189353°)	
LONGITUDE = 103°27'20.27" (103.455632°)	
STATE PLANE NAD 83 (N.M. EAST)	
Y: 433729.05' X: 812858.47'	
UTM, NAD 83 (ZONE 13)	
Y: 11687869.37' X: 2118043.41'	

NAD 83 (FTP/PP)	
LATITUDE = 32°11'19.61" (32.188779°)	
LONGITUDE = 103°27'22.00" (103.456112°)	
STATE PLANE NAD 83 (N.M. EAST)	
Y: 433519.21' X: 812711.53'	
UTM, NAD 83 (ZONE 13)	
Y: 11687658.65' X: 2117897.79'	

NAD 83 (LTP/BHL)	
LATITUDE = 32°12'36.03" (32.210010°)	
LONGITUDE = 103°27'22.00" (103.456111°)	
STATE PLANE NAD 83 (N.M. EAST)	
Y: 441242.73' X: 812648.97'	
UTM, NAD 83 (ZONE 13)	
Y: 11695380.62' X: 2117787.34'	

- NOTE:
- Distances referenced on plat to section lines are perpendicular.
 - Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)
- = SURFACE HOLE LOCATION
◆ = FIRST TAKE POINT/
PENETRATION POINT
○ = LAST TAKE POINT/
BOTTOM HOLE LOCATION
▲ = SECTION CORNER LOCATED
△ = SECTION CORNER
RE-ESTABLISHED.
(Not Set on Ground.)

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 8, 2019
Date of Survey
Signature and Seal of Professional Surveyor:



Certificate Number:

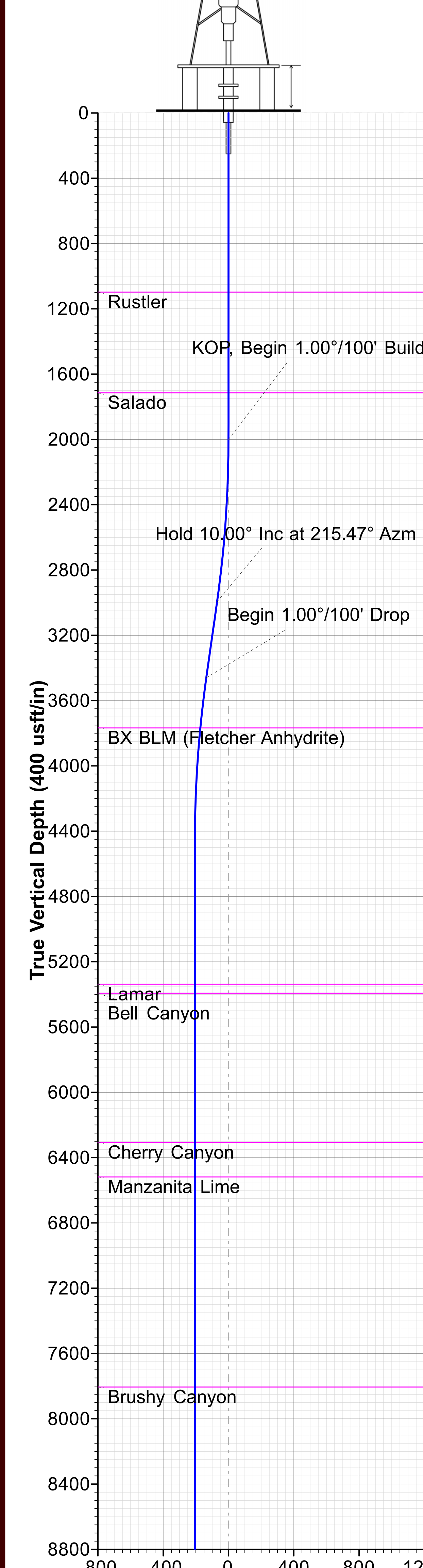
RKB @ 3487.70usft (TBD)
Ground Level: 3461.70



Project: Lea County, NM (NAD83 - UTM Zone 13)
Site: Sheba/Solomon Location
Well: Solomon Federal Com 304H
Wellbore: OH
Design: Plan 1 04-06-22
Rig: TBD



Azimuths to True North
Magnetic North: 6.31°
Magnetic Field
Strength: 47505.1nT
Dip Angle: 59.74°
Date: 6/5/2022
Model: MVHD

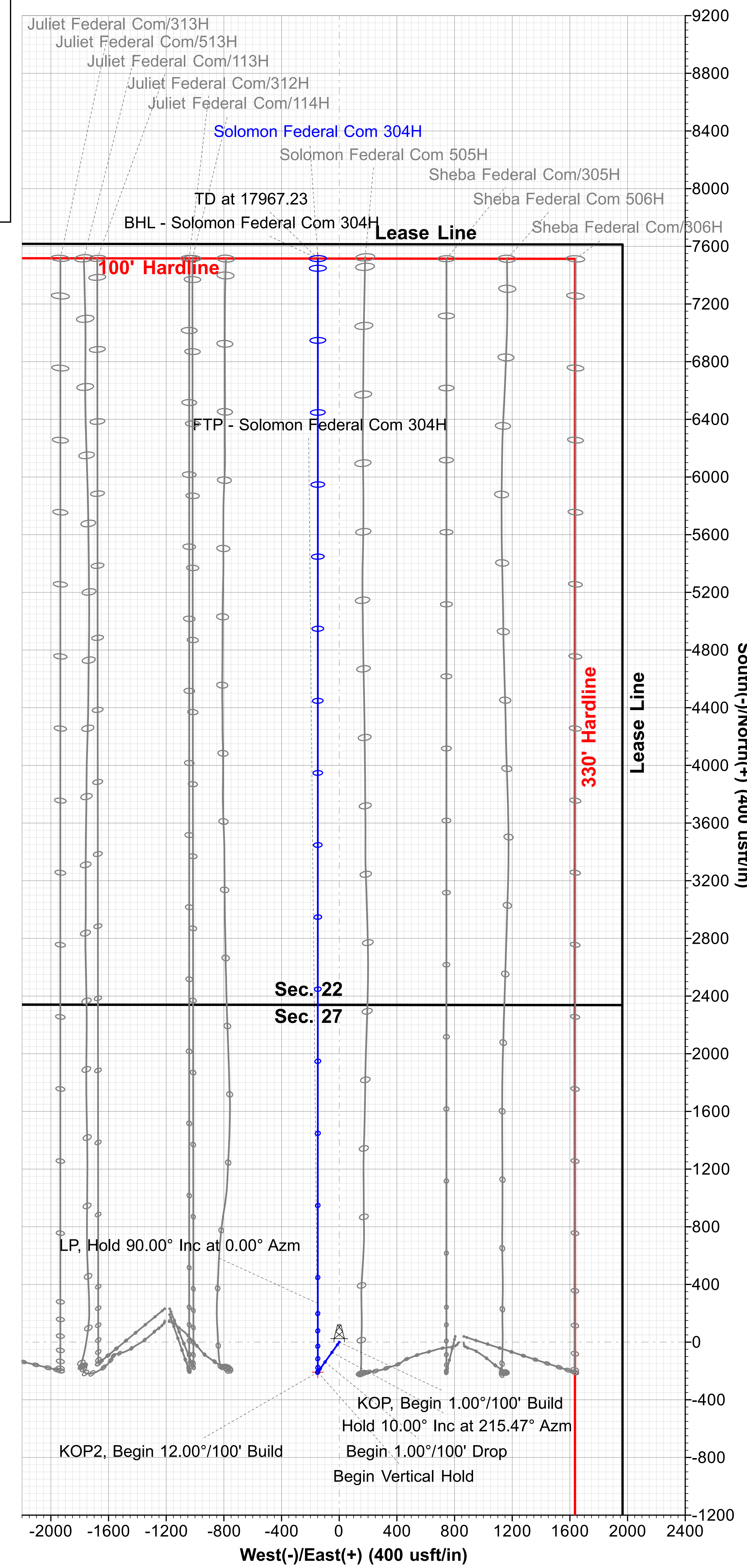
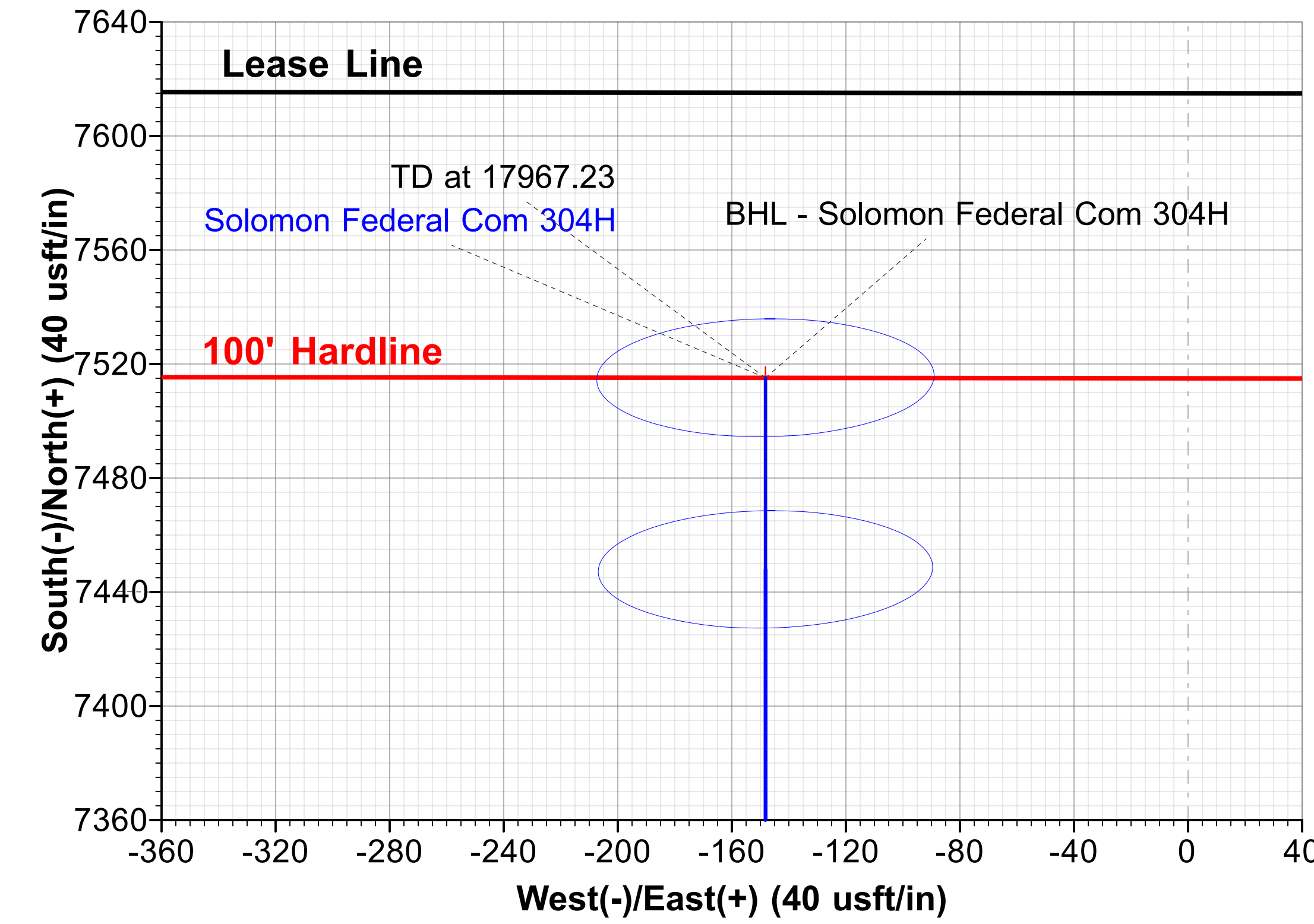
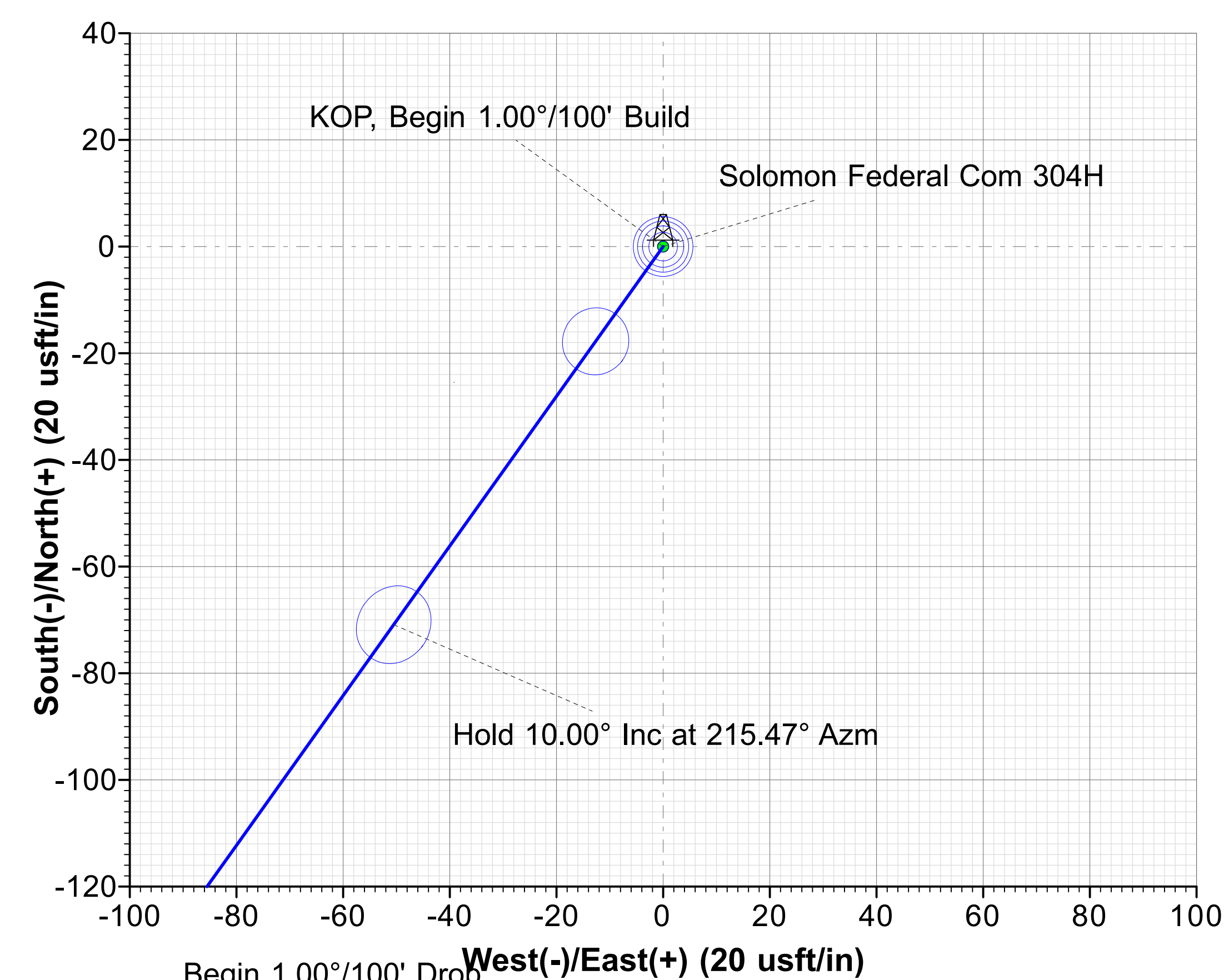
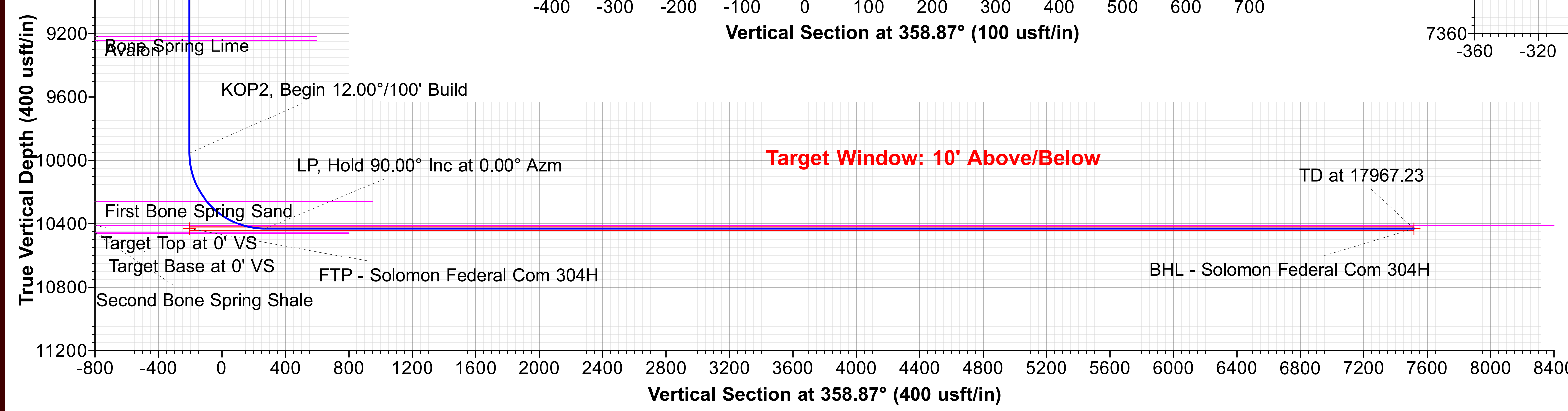
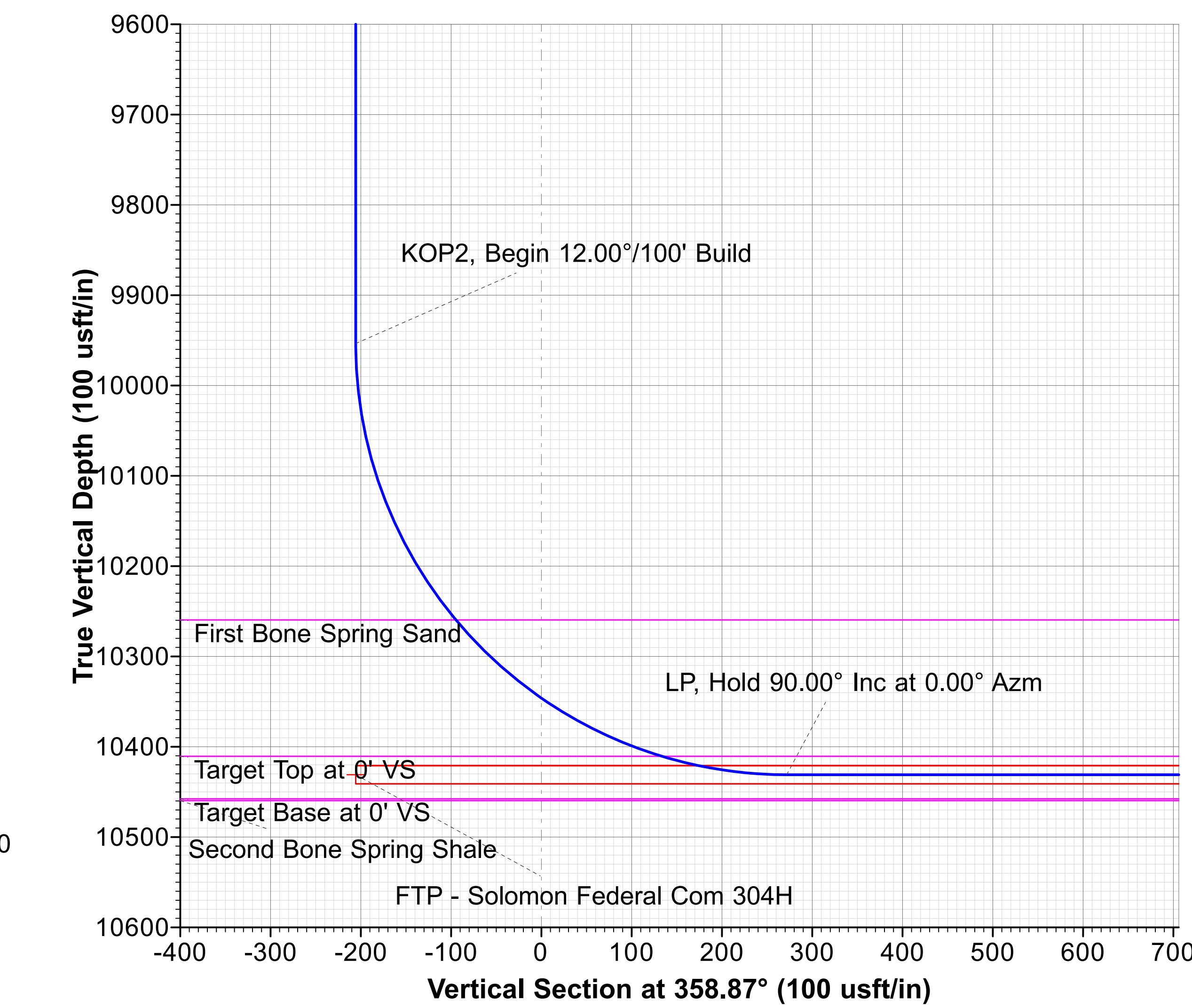


WELL DETAILS											
+N/-S	+E/-W	Northing	Ground Level: Easting	3461.70	Latitude	Longitude					
0.00	0.00	11687869.37	2118043.41	32° 11' 21.670521 N	103° 27' 20.274657 W						

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		
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	215.47	2994.93	-70.89	-50.51	1.00	215.470	-69.88		Hold 10.00° Inc at 215.47° Azm
4	3472.71	10.00	215.47	3460.46	-137.74	-98.14	0.00	0.000	-135.78		Begin 1.00°/100' Drop
5	4472.71	0.00	0.00	4455.39	-208.64	-148.65	1.00	180.000	-205.66		Begin Vertical Hold
6	9970.86	0.00	0.00	9953.54	-208.64	-148.65	0.00	0.000	-205.66		KOP2, Begin 12.00°/100' Build
7	10720.86	90.00	0.00	10431.00	268.83	-148.62	12.00	0.003	271.71		LP, Hold 90.00° Inc at 0.00° Azm
8	17967.23	90.00	0.00	10431.00	7515.19	-148.19	0.00	0.000	7516.66	BHL - Solomon Federal Com 304H	TD at 17967.23

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
BHL - Solomon Federal Com 304H	10431.00	7515.19	-148.19	11687869.37	2117787.34	32° 12' 36.034916 N	103° 27' 21.999117 W
FTP - Solomon Federal Com 304H	10431.00	-208.64	-148.65	11687658.65	2117897.79	32° 11' 19.606019 N	103° 27' 22.004399 W

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
1097.70	1097.70	Rustler
1714.70	1714.70	Salado
3767.70	3783.36	BX BLM (Fletcher Anhydrite)
5337.70	5355.02	Lamar
5392.70	5410.02	Bell Canyon
6307.70	6325.02	Cherry Canyon
6518.70	6536.02	Manzanita Lime
7805.70	7823.02	Brushy Canyon
9216.70	9234.02	Bone Spring Lime
9244.70	9262.02	Avalon
10259.70	10303.22	First Bone Spring Sand
10410.70	10581.11	Target Top at 0' VS





Centennial Resources Development, Inc.

**Lea County, NM (NAD83 - UTM Zone 13)
Sheba/Solomon Location
Solomon Federal Com 304H**

OH

Plan: Plan 1 04-06-22

Standard Planning Report

06 April, 2022





Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well Solomon Federal Com 304H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3487.70usft (TBD)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3487.70usft (TBD)
Site:	Sheba/Solomon Location	North Reference:	True
Well:	Solomon Federal Com 304H	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	Sheba/Solomon Location		
Site Position:		Northing:	11,687,880.92 usft
From:	Map	Easting:	2,118,907.87 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 11' 21.661842 N
		Longitude:	103° 27' 10.213283 W

Well	Solomon Federal Com 304H		
Well Position	+N/-S	0.89 usft	Northing: 11,687,869.37 usft
	+E/-W	-864.66 usft	Easting: 2,118,043.41 usft
Position Uncertainty	1.00 usft	Wellhead Elevation:	Latitude: 32° 11' 21.670521 N
			Longitude: 103° 27' 20.274657 W
			Ground Level: 3,461.70 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	6/5/2022	6.310	59.740	47,505.07913821

Design	Plan 1 04-06-22			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	358.87

Plan Survey Tool Program	Date	4/6/2022		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	17,967.23	Plan 1 04-06-22 (OH)	MWD+IFR1+MS
				OWSG MWD + IFR1 + Mult

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.000	
3,000.00	10.00	215.47	2,994.93	-70.89	-50.51	1.00	1.00	0.00	215.470	
3,472.71	10.00	215.47	3,460.46	-137.74	-98.14	0.00	0.00	0.00	0.000	
4,472.71	0.00	0.00	4,455.39	-208.64	-148.65	1.00	-1.00	0.00	180.000	
9,970.86	0.00	0.00	9,953.54	-208.64	-148.65	0.00	0.00	0.00	0.000	
10,720.86	90.00	0.00	10,431.01	268.83	-148.62	12.00	12.00	0.00	0.003	
17,967.23	90.00	0.00	10,431.00	7,515.20	-148.19	0.00	0.00	0.00	0.000	BHL - Solomon Fed



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well Solomon Federal Com 304H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3487.70usft (TBD)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3487.70usft (TBD)
Site:	Sheba/Solomon Location	North Reference:	True
Well:	Solomon Federal Com 304H	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
1,097.70	0.00	0.00	1,097.70	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
1,714.70	0.00	0.00	1,714.70	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	215.47	2,099.99	-0.71	-0.51	-0.70	1.00	1.00	0.00
2,200.00	2.00	215.47	2,199.96	-2.84	-2.03	-2.80	1.00	1.00	0.00
2,300.00	3.00	215.47	2,299.86	-6.39	-4.56	-6.30	1.00	1.00	0.00
2,400.00	4.00	215.47	2,399.68	-11.37	-8.10	-11.20	1.00	1.00	0.00
2,500.00	5.00	215.47	2,499.37	-17.76	-12.65	-17.50	1.00	1.00	0.00
2,600.00	6.00	215.47	2,598.90	-25.56	-18.21	-25.20	1.00	1.00	0.00
2,700.00	7.00	215.47	2,698.26	-34.78	-24.78	-34.29	1.00	1.00	0.00
2,800.00	8.00	215.47	2,797.40	-45.41	-32.36	-44.77	1.00	1.00	0.00
2,900.00	9.00	215.47	2,896.30	-57.45	-40.93	-56.63	1.00	1.00	0.00
3,000.00	10.00	215.47	2,994.93	-70.89	-50.51	-69.88	1.00	1.00	0.00
Hold 10.00° Inc at 215.47° Azm									
3,100.00	10.00	215.47	3,093.41	-85.03	-60.59	-83.82	0.00	0.00	0.00
3,200.00	10.00	215.47	3,191.89	-99.18	-70.66	-97.76	0.00	0.00	0.00
3,300.00	10.00	215.47	3,290.37	-113.32	-80.74	-111.70	0.00	0.00	0.00
3,400.00	10.00	215.47	3,388.85	-127.46	-90.82	-125.65	0.00	0.00	0.00
3,472.71	10.00	215.47	3,460.46	-137.74	-98.14	-135.78	0.00	0.00	0.00
Begin 1.00°/100' Drop									
3,500.00	9.73	215.47	3,487.35	-141.55	-100.85	-139.54	1.00	-1.00	0.00
3,600.00	8.73	215.47	3,586.05	-154.61	-110.16	-152.41	1.00	-1.00	0.00
3,700.00	7.73	215.47	3,685.02	-166.26	-118.46	-163.90	1.00	-1.00	0.00
3,783.36	6.89	215.47	3,767.70	-174.90	-124.62	-172.41	1.00	-1.00	0.00
BX BLM (Fletcher Anhydrite)									
3,800.00	6.73	215.47	3,784.22	-176.51	-125.76	-174.00	1.00	-1.00	0.00
3,900.00	5.73	215.47	3,883.63	-185.34	-132.06	-182.70	1.00	-1.00	0.00
4,000.00	4.73	215.47	3,983.22	-192.76	-137.34	-190.02	1.00	-1.00	0.00
4,100.00	3.73	215.47	4,082.94	-198.77	-141.62	-195.94	1.00	-1.00	0.00
4,200.00	2.73	215.47	4,182.78	-203.35	-144.89	-200.46	1.00	-1.00	0.00
4,300.00	1.73	215.47	4,282.71	-206.52	-147.14	-203.57	1.00	-1.00	0.00
4,400.00	0.73	215.47	4,382.68	-208.26	-148.38	-205.29	1.00	-1.00	0.00
4,472.71	0.00	0.00	4,455.39	-208.64	-148.65	-205.66	1.00	-1.00	198.76
Begin Vertical Hold									
4,500.00	0.00	0.00	4,482.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
4,600.00	0.00	0.00	4,582.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
4,700.00	0.00	0.00	4,682.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
4,800.00	0.00	0.00	4,782.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
4,900.00	0.00	0.00	4,882.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
5,000.00	0.00	0.00	4,982.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
5,100.00	0.00	0.00	5,082.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
5,200.00	0.00	0.00	5,182.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
5,300.00	0.00	0.00	5,282.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
5,355.02	0.00	0.00	5,337.70	-208.64	-148.65	-205.66	0.00	0.00	0.00
Lamar									
5,400.00	0.00	0.00	5,382.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
5,410.02	0.00	0.00	5,392.70	-208.64	-148.65	-205.66	0.00	0.00	0.00
Bell Canyon									
5,500.00	0.00	0.00	5,482.68	-208.64	-148.65	-205.66	0.00	0.00	0.00



Planning Report



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Site:	Sheba/Solomon Location	North Reference:	True
Well:	Solomon Federal Com 304H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 04-06-22		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,600.00	0.00	0.00	5,582.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
5,700.00	0.00	0.00	5,682.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
5,800.00	0.00	0.00	5,782.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
5,900.00	0.00	0.00	5,882.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
6,000.00	0.00	0.00	5,982.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
6,100.00	0.00	0.00	6,082.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
6,200.00	0.00	0.00	6,182.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
6,300.00	0.00	0.00	6,282.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
6,325.02	0.00	0.00	6,307.70	-208.64	-148.65	-205.66	0.00	0.00	0.00
Cherry Canyon									
6,400.00	0.00	0.00	6,382.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
6,500.00	0.00	0.00	6,482.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
6,536.02	0.00	0.00	6,518.70	-208.64	-148.65	-205.66	0.00	0.00	0.00
Manzanita Lime									
6,600.00	0.00	0.00	6,582.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
6,700.00	0.00	0.00	6,682.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
6,800.00	0.00	0.00	6,782.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
6,900.00	0.00	0.00	6,882.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
7,000.00	0.00	0.00	6,982.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
7,100.00	0.00	0.00	7,082.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
7,200.00	0.00	0.00	7,182.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
7,300.00	0.00	0.00	7,282.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
7,400.00	0.00	0.00	7,382.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
7,500.00	0.00	0.00	7,482.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
7,600.00	0.00	0.00	7,582.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
7,700.00	0.00	0.00	7,682.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
7,800.00	0.00	0.00	7,782.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
7,823.02	0.00	0.00	7,805.70	-208.64	-148.65	-205.66	0.00	0.00	0.00
Brushy Canyon									
7,900.00	0.00	0.00	7,882.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
8,000.00	0.00	0.00	7,982.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
8,100.00	0.00	0.00	8,082.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
8,200.00	0.00	0.00	8,182.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
8,300.00	0.00	0.00	8,282.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
8,400.00	0.00	0.00	8,382.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
8,500.00	0.00	0.00	8,482.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
8,600.00	0.00	0.00	8,582.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
8,700.00	0.00	0.00	8,682.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
8,800.00	0.00	0.00	8,782.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
8,900.00	0.00	0.00	8,882.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
9,000.00	0.00	0.00	8,982.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
9,100.00	0.00	0.00	9,082.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
9,200.00	0.00	0.00	9,182.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
9,234.02	0.00	0.00	9,216.70	-208.64	-148.65	-205.66	0.00	0.00	0.00
Bone Spring Lime									
9,262.02	0.00	0.00	9,244.70	-208.64	-148.65	-205.66	0.00	0.00	0.00
Avalon									
9,300.00	0.00	0.00	9,282.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
9,400.00	0.00	0.00	9,382.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
9,500.00	0.00	0.00	9,482.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
9,600.00	0.00	0.00	9,582.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
9,700.00	0.00	0.00	9,682.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
9,800.00	0.00	0.00	9,782.68	-208.64	-148.65	-205.66	0.00	0.00	0.00



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well Solomon Federal Com 304H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3487.70usft (TBD)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3487.70usft (TBD)
Site:	Sheba/Solomon Location	North Reference:	True
Well:	Solomon Federal Com 304H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 04-06-22		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,900.00	0.00	0.00	9,882.68	-208.64	-148.65	-205.66	0.00	0.00	0.00
9,970.86	0.00	0.00	9,953.54	-208.64	-148.65	-205.66	0.00	0.00	0.00
KOP2, Begin 12.00°/100' Build									
10,000.00	3.50	0.00	9,982.66	-207.75	-148.65	-204.78	12.00	12.00	0.00
10,100.00	15.50	0.00	10,081.11	-191.28	-148.65	-188.31	12.00	12.00	0.00
10,200.00	27.50	0.00	10,173.99	-154.70	-148.65	-151.74	12.00	12.00	0.00
10,300.00	39.50	0.00	10,257.22	-99.61	-148.65	-96.66	12.00	12.00	0.00
10,303.22	39.88	0.00	10,259.70	-97.56	-148.65	-94.61	12.00	12.00	0.00
First Bone Spring Sand									
10,400.00	51.50	0.00	10,327.19	-28.42	-148.64	-25.48	12.00	12.00	0.00
10,500.00	63.50	0.00	10,380.83	55.76	-148.64	58.68	12.00	12.00	0.00
10,581.12	73.23	0.00	10,410.70	131.07	-148.63	133.98	12.00	12.00	0.00
Target Top at 0' VS									
10,600.00	75.50	0.00	10,415.79	149.26	-148.63	152.16	12.00	12.00	0.00
10,700.00	87.50	0.00	10,430.55	247.98	-148.62	250.86	12.00	12.00	0.00
10,720.86	90.00	0.00	10,431.01	268.83	-148.62	271.71	12.00	12.00	0.00
LP, Hold 90.00° Inc at 0.00° Azm									
10,800.00	90.00	0.00	10,431.01	347.97	-148.62	350.83	0.00	0.00	0.00
10,900.00	90.00	0.00	10,431.00	447.97	-148.61	450.81	0.00	0.00	0.00
11,000.00	90.00	0.00	10,431.00	547.97	-148.61	550.79	0.00	0.00	0.00
11,100.00	90.00	0.00	10,431.00	647.97	-148.60	650.77	0.00	0.00	0.00
11,200.00	90.00	0.00	10,431.00	747.97	-148.59	750.75	0.00	0.00	0.00
11,300.00	90.00	0.00	10,431.00	847.97	-148.59	850.73	0.00	0.00	0.00
11,400.00	90.00	0.00	10,431.00	947.97	-148.58	950.71	0.00	0.00	0.00
11,500.00	90.00	0.00	10,431.00	1,047.97	-148.58	1,050.69	0.00	0.00	0.00
11,600.00	90.00	0.00	10,431.00	1,147.97	-148.57	1,150.67	0.00	0.00	0.00
11,700.00	90.00	0.00	10,431.00	1,247.97	-148.56	1,250.66	0.00	0.00	0.00
11,800.00	90.00	0.00	10,431.00	1,347.97	-148.56	1,350.64	0.00	0.00	0.00
11,900.00	90.00	0.00	10,431.00	1,447.97	-148.55	1,450.62	0.00	0.00	0.00
12,000.00	90.00	0.00	10,431.00	1,547.97	-148.55	1,550.60	0.00	0.00	0.00
12,100.00	90.00	0.00	10,431.00	1,647.97	-148.54	1,650.58	0.00	0.00	0.00
12,200.00	90.00	0.00	10,431.00	1,747.97	-148.53	1,750.56	0.00	0.00	0.00
12,300.00	90.00	0.00	10,431.00	1,847.97	-148.53	1,850.54	0.00	0.00	0.00
12,400.00	90.00	0.00	10,431.00	1,947.97	-148.52	1,950.52	0.00	0.00	0.00
12,500.00	90.00	0.00	10,431.00	2,047.97	-148.52	2,050.50	0.00	0.00	0.00
12,600.00	90.00	0.00	10,431.00	2,147.97	-148.51	2,150.48	0.00	0.00	0.00
12,700.00	90.00	0.00	10,431.00	2,247.97	-148.50	2,250.46	0.00	0.00	0.00
12,800.00	90.00	0.00	10,431.00	2,347.97	-148.50	2,350.44	0.00	0.00	0.00
12,900.00	90.00	0.00	10,431.00	2,447.97	-148.49	2,450.42	0.00	0.00	0.00
13,000.00	90.00	0.00	10,431.00	2,547.97	-148.49	2,550.40	0.00	0.00	0.00
13,100.00	90.00	0.00	10,431.00	2,647.97	-148.48	2,650.38	0.00	0.00	0.00
13,200.00	90.00	0.00	10,431.00	2,747.97	-148.47	2,750.36	0.00	0.00	0.00
13,300.00	90.00	0.00	10,431.00	2,847.97	-148.47	2,850.34	0.00	0.00	0.00
13,400.00	90.00	0.00	10,431.00	2,947.97	-148.46	2,950.32	0.00	0.00	0.00
13,500.00	90.00	0.00	10,431.00	3,047.97	-148.46	3,050.30	0.00	0.00	0.00
13,600.00	90.00	0.00	10,431.00	3,147.97	-148.45	3,150.28	0.00	0.00	0.00
13,700.00	90.00	0.00	10,431.00	3,247.97	-148.44	3,250.26	0.00	0.00	0.00
13,800.00	90.00	0.00	10,431.00	3,347.97	-148.44	3,350.24	0.00	0.00	0.00
13,900.00	90.00	0.00	10,431.00	3,447.97	-148.43	3,450.23	0.00	0.00	0.00
14,000.00	90.00	0.00	10,431.00	3,547.97	-148.43	3,550.21	0.00	0.00	0.00
14,100.00	90.00	0.00	10,431.00	3,647.97	-148.42	3,650.19	0.00	0.00	0.00
14,200.00	90.00	0.00	10,431.00	3,747.97	-148.41	3,750.17	0.00	0.00	0.00
14,300.00	90.00	0.00	10,431.00	3,847.97	-148.41	3,850.15	0.00	0.00	0.00



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well Solomon Federal Com 304H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3487.70usft (TBD)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3487.70usft (TBD)
Site:	Sheba/Solomon Location	North Reference:	True
Well:	Solomon Federal Com 304H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 04-06-22		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
14,400.00	90.00	0.00	10,431.00	3,947.97	-148.40	3,950.13	0.00	0.00	0.00	
14,500.00	90.00	0.00	10,431.00	4,047.97	-148.40	4,050.11	0.00	0.00	0.00	
14,600.00	90.00	0.00	10,431.00	4,147.97	-148.39	4,150.09	0.00	0.00	0.00	
14,700.00	90.00	0.00	10,431.00	4,247.97	-148.38	4,250.07	0.00	0.00	0.00	
14,800.00	90.00	0.00	10,431.00	4,347.97	-148.38	4,350.05	0.00	0.00	0.00	
14,900.00	90.00	0.00	10,431.00	4,447.97	-148.37	4,450.03	0.00	0.00	0.00	
15,000.00	90.00	0.00	10,431.00	4,547.97	-148.36	4,550.01	0.00	0.00	0.00	
15,100.00	90.00	0.00	10,431.00	4,647.97	-148.36	4,649.99	0.00	0.00	0.00	
15,200.00	90.00	0.00	10,431.00	4,747.97	-148.35	4,749.97	0.00	0.00	0.00	
15,300.00	90.00	0.00	10,431.00	4,847.97	-148.35	4,849.95	0.00	0.00	0.00	
15,400.00	90.00	0.00	10,431.00	4,947.97	-148.34	4,949.93	0.00	0.00	0.00	
15,500.00	90.00	0.00	10,431.00	5,047.97	-148.33	5,049.91	0.00	0.00	0.00	
15,600.00	90.00	0.00	10,431.00	5,147.97	-148.33	5,149.89	0.00	0.00	0.00	
15,700.00	90.00	0.00	10,431.00	5,247.97	-148.32	5,249.87	0.00	0.00	0.00	
15,800.00	90.00	0.00	10,431.00	5,347.97	-148.32	5,349.85	0.00	0.00	0.00	
15,900.00	90.00	0.00	10,431.00	5,447.97	-148.31	5,449.83	0.00	0.00	0.00	
16,000.00	90.00	0.00	10,431.00	5,547.97	-148.30	5,549.81	0.00	0.00	0.00	
16,100.00	90.00	0.00	10,431.00	5,647.97	-148.30	5,649.80	0.00	0.00	0.00	
16,200.00	90.00	0.00	10,431.00	5,747.97	-148.29	5,749.78	0.00	0.00	0.00	
16,300.00	90.00	0.00	10,431.00	5,847.97	-148.29	5,849.76	0.00	0.00	0.00	
16,400.00	90.00	0.00	10,431.00	5,947.97	-148.28	5,949.74	0.00	0.00	0.00	
16,500.00	90.00	0.00	10,431.00	6,047.97	-148.27	6,049.72	0.00	0.00	0.00	
16,600.00	90.00	0.00	10,431.00	6,147.97	-148.27	6,149.70	0.00	0.00	0.00	
16,700.00	90.00	0.00	10,431.00	6,247.97	-148.26	6,249.68	0.00	0.00	0.00	
16,800.00	90.00	0.00	10,431.00	6,347.97	-148.26	6,349.66	0.00	0.00	0.00	
16,900.00	90.00	0.00	10,431.00	6,447.97	-148.25	6,449.64	0.00	0.00	0.00	
17,000.00	90.00	0.00	10,431.00	6,547.97	-148.24	6,549.62	0.00	0.00	0.00	
17,100.00	90.00	0.00	10,431.00	6,647.97	-148.24	6,649.60	0.00	0.00	0.00	
17,200.00	90.00	0.00	10,431.00	6,747.97	-148.23	6,749.58	0.00	0.00	0.00	
17,300.00	90.00	0.00	10,431.00	6,847.97	-148.23	6,849.56	0.00	0.00	0.00	
17,400.00	90.00	0.00	10,431.00	6,947.97	-148.22	6,949.54	0.00	0.00	0.00	
17,500.00	90.00	0.00	10,431.00	7,047.97	-148.21	7,049.52	0.00	0.00	0.00	
17,600.00	90.00	0.00	10,431.00	7,147.97	-148.21	7,149.50	0.00	0.00	0.00	
17,700.00	90.00	0.00	10,431.00	7,247.97	-148.20	7,249.48	0.00	0.00	0.00	
17,800.00	90.00	0.00	10,431.00	7,347.97	-148.20	7,349.46	0.00	0.00	0.00	
17,900.00	90.00	0.00	10,431.00	7,447.97	-148.19	7,449.44	0.00	0.00	0.00	
17,967.23	90.00	0.00	10,431.00	7,515.20	-148.19	7,516.66	0.00	0.00	0.00	
TD at 17967.23										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
FTP - Solomon Feder	0.00	0.00	10,431.00	-208.64	-148.65	11,687,658.65	2,117,897.79	32° 11' 19.606019 N	3° 27' 22.004399 W	
- plan misses target center by 197.79usft at 10343.46usft MD (10289.46 TVD, -70.48 N, -148.64 E)										
- Point										
BHL - Solomon Feder	0.00	0.00	10,431.00	7,515.20	-148.19	11,695,380.62	2,117,787.34	32° 12' 36.034916 N	3° 27' 21.999117 W	
- plan hits target center										
- Rectangle (sides W0.00 H7,723.83 D20.00)										



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well Solomon Federal Com 304H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3487.70usft (TBD)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3487.70usft (TBD)
Site:	Sheba/Solomon Location	North Reference:	True
Well:	Solomon Federal Com 304H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 04-06-22		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,097.70	1,097.70	Rustler				
1,714.70	1,714.70	Salado				
3,783.36	3,767.70	BX BLM (Fletcher Anhydrite)				
5,355.02	5,337.70	Lamar				
5,410.02	5,392.70	Bell Canyon				
6,325.02	6,307.70	Cherry Canyon				
6,536.02	6,518.70	Manzanita Lime				
7,823.02	7,805.70	Brushy Canyon				
9,234.02	9,216.70	Bone Spring Lime				
9,262.02	9,244.70	Avalon				
10,303.22	10,259.70	First Bone Spring Sand				
10,581.12	10,410.70	Target Top at 0' VS				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
2,000.00	2,000.00	0.00	0.00	KOP, Begin 1.00°/100' Build	
3,000.00	2,994.93	-70.89	-50.51	Hold 10.00° Inc at 215.47° Azm	
3,472.71	3,460.46	-137.74	-98.14	Begin 1.00°/100' Drop	
4,472.71	4,455.39	-208.64	-148.65	Begin Vertical Hold	
9,970.86	9,953.54	-208.64	-148.65	KOP2, Begin 12.00°/100' Build	
10,720.86	10,431.01	268.83	-148.62	LP, Hold 90.00° Inc at 0.00° Azm	
17,967.23	10,431.00	7,515.20	-148.19	TD at 17967.23	

District I
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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 133117

CONDITIONS

Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 133117
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

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