

Submit a Copy To Appropriate District
Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-015-48082
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name BUBBA BURTON 14 15 24S 28E
8. Well Number 121H
9. OGRID Number 228937
10. Pool name or Wildcat PIERCE CROSSING ; BONE SPRING

MALAGA; BONE
SPRING

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other	
2. Name of Operator Matador Production Company	
3. Address of Operator 5400 LBJ FWY, STE 1500 DALLAS, TX 75240	
4. Well Location Unit Letter <u>A</u> : <u>539</u> feet from the <u>NORTH</u> line and <u>330</u> feet from the <u>EAST</u> line Section <u>14</u> Township <u>24S</u> Range <u>28E</u> NMPM County <u>EDDY</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 2977	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Matador requests to amend the surface hole location.

Please see attached updated C-102 attached.

New location: 14 24S 28E 508 FNL 300 FEL Eddy County

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Brett Jennings TITLE Regulatory Analyst DATE 11/17/2021

Type or print name Brett Jennings E-mail address: Brett.Jennings@matadorresources.com PHONE: 972-629-2160

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

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
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Phone: (505) 334-6178 Fax: (505) 334-6170
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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 30-015-48082	² Pool Code 50371 42780	³ Pool Name MALAGA; BONE SPRING PIERCE CROSSING; BONE SPRING
⁴ Property Code 330255	⁵ Property Name BUBBA BURTON	⁶ Well Number 121H
⁷ OGRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 2977'

¹⁰Surface Location

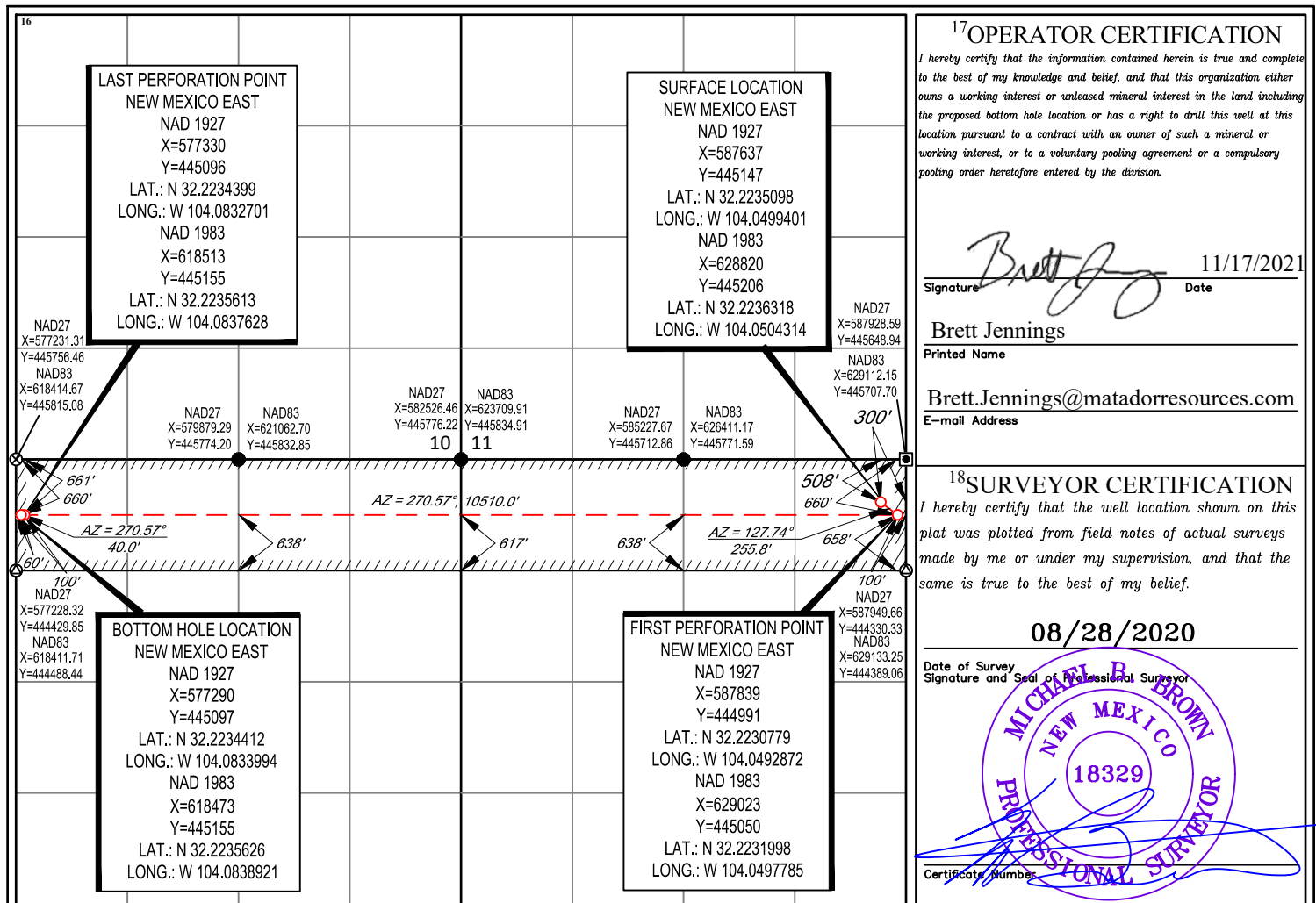
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	14	24-S	28-E	-	508'	NORTH	300'	EAST	EDDY

¹¹Bottom 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
D	15	24-S	28-E	-	660'	NORTH	60'	WEST	EDDY

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.



Matador Production Company

Rustler Breaks

Bubba Burton

Bubba Burton #121H

Wellbore #1

Plan: State Plan #1

Standard Planning Report

15 August, 2021

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Bubba Burton #121H
Company:	Matador Production Company	TVD Reference:	KB @ 3005.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3005.5usft
Site:	Bubba Burton	North Reference:	Grid
Well:	Bubba Burton #121H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Project	Rustler Breaks,		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		Using geodetic scale factor

Site		Bubba Burton			
Site Position:		Northing:	445,147.03 usft	Latitude:	32° 13' 24.632 N
From:	Lat/Long	Easting:	587,606.63 usft	Longitude:	104° 3' 0.135 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.15 °

Well	Bubba Burton #121H					
Well Position	+N/-S	0.4 usft	Northing:	445,147.47 usft	Latitude:	32° 13' 24.635 N
	+E/-W	30.2 usft	Easting:	587,636.78 usft	Longitude:	104° 2' 59.784 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	2,977.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/28/2021	6.78	59.94	47,519.56699102

Design	State Plan #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	270.57

Plan Survey Tool Program	Date	8/15/2021		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	18,742.7	State Plan #1 (Wellbore #1)	MWD
				OWSG MWD - Standard

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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,300.0	8.00	146.53	1,297.4	-46.5	30.8	1.00	1.00	0.00	146.53	
3,918.5	8.00	146.53	3,890.4	-350.5	231.7	0.00	0.00	0.00	0.00	
4,451.8	0.00	0.00	4,422.0	-381.5	252.2	1.50	-1.50	0.00	180.00	
7,789.8	0.00	0.00	7,760.0	-381.5	252.2	0.00	0.00	0.00	0.00	VP - Bubba Burton
8,689.8	90.00	284.65	8,333.0	-236.6	-302.1	10.00	10.00	0.00	284.65	
9,393.8	90.00	270.57	8,333.0	-143.6	-998.1	2.00	0.00	-2.00	-90.00	
18,742.7	90.00	270.57	8,333.0	-50.6	-10,346.5	0.00	0.00	0.00	0.00	BHL - Bubba Burton

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Bubba Burton #121H
Company:	Matador Production Company	TVD Reference:	KB @ 3005.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3005.5usft
Site:	Bubba Burton	North Reference:	Grid
Well:	Bubba Burton #121H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 1.00									
600.0	1.00	146.53	600.0	-0.7	0.5	-0.5	1.00	1.00	0.00
700.0	2.00	146.53	700.0	-2.9	1.9	-2.0	1.00	1.00	0.00
800.0	3.00	146.53	799.9	-6.5	4.3	-4.4	1.00	1.00	0.00
900.0	4.00	146.53	899.7	-11.6	7.7	-7.8	1.00	1.00	0.00
1,000.0	5.00	146.53	999.4	-18.2	12.0	-12.2	1.00	1.00	0.00
1,100.0	6.00	146.53	1,098.9	-26.2	17.3	-17.6	1.00	1.00	0.00
1,200.0	7.00	146.53	1,198.3	-35.6	23.6	-23.9	1.00	1.00	0.00
1,300.0	8.00	146.53	1,297.4	-46.5	30.8	-31.2	1.00	1.00	0.00
Start 2618.5 hold at 1300.0 MD									
1,400.0	8.00	146.53	1,396.4	-58.1	38.4	-39.0	0.00	0.00	0.00
1,500.0	8.00	146.53	1,495.5	-69.7	46.1	-46.8	0.00	0.00	0.00
1,600.0	8.00	146.53	1,594.5	-81.3	53.8	-54.6	0.00	0.00	0.00
1,700.0	8.00	146.53	1,693.5	-92.9	61.5	-62.4	0.00	0.00	0.00
1,800.0	8.00	146.53	1,792.5	-104.6	69.1	-70.2	0.00	0.00	0.00
1,900.0	8.00	146.53	1,891.6	-116.2	76.8	-78.0	0.00	0.00	0.00
2,000.0	8.00	146.53	1,990.6	-127.8	84.5	-85.7	0.00	0.00	0.00
2,100.0	8.00	146.53	2,089.6	-139.4	92.2	-93.5	0.00	0.00	0.00
2,200.0	8.00	146.53	2,188.6	-151.0	99.8	-101.3	0.00	0.00	0.00
2,300.0	8.00	146.53	2,287.7	-162.6	107.5	-109.1	0.00	0.00	0.00
2,400.0	8.00	146.53	2,386.7	-174.2	115.2	-116.9	0.00	0.00	0.00
2,500.0	8.00	146.53	2,485.7	-185.8	122.9	-124.7	0.00	0.00	0.00
2,600.0	8.00	146.53	2,584.8	-197.4	130.5	-132.5	0.00	0.00	0.00
2,651.8	8.00	146.53	2,636.0	-203.4	134.5	-136.5	0.00	0.00	0.00
Lamar									
2,700.0	8.00	146.53	2,683.8	-209.0	138.2	-140.3	0.00	0.00	0.00
2,702.2	8.00	146.53	2,686.0	-209.3	138.4	-140.5	0.00	0.00	0.00
Bell Canyon									
2,800.0	8.00	146.53	2,782.8	-220.7	145.9	-148.1	0.00	0.00	0.00
2,900.0	8.00	146.53	2,881.8	-232.3	153.6	-155.9	0.00	0.00	0.00
3,000.0	8.00	146.53	2,980.9	-243.9	161.2	-163.7	0.00	0.00	0.00
3,100.0	8.00	146.53	3,079.9	-255.5	168.9	-171.4	0.00	0.00	0.00
3,200.0	8.00	146.53	3,178.9	-267.1	176.6	-179.2	0.00	0.00	0.00
3,300.0	8.00	146.53	3,277.9	-278.7	184.3	-187.0	0.00	0.00	0.00
3,400.0	8.00	146.53	3,377.0	-290.3	191.9	-194.8	0.00	0.00	0.00
3,500.0	8.00	146.53	3,476.0	-301.9	199.6	-202.6	0.00	0.00	0.00
3,600.0	8.00	146.53	3,575.0	-313.5	207.3	-210.4	0.00	0.00	0.00
3,646.4	8.00	146.53	3,621.0	-318.9	210.9	-214.0	0.00	0.00	0.00
Cherry Canyon									
3,700.0	8.00	146.53	3,674.0	-325.1	215.0	-218.2	0.00	0.00	0.00
3,800.0	8.00	146.53	3,773.1	-336.7	222.6	-226.0	0.00	0.00	0.00
3,900.0	8.00	146.53	3,872.1	-348.4	230.3	-233.8	0.00	0.00	0.00
3,918.5	8.00	146.53	3,890.4	-350.5	231.7	-235.2	0.00	0.00	0.00
Start Drop -1.50									
4,000.0	6.78	146.53	3,971.2	-359.2	237.5	-241.1	1.50	-1.50	0.00
4,100.0	5.28	146.53	4,070.7	-368.0	243.3	-247.0	1.50	-1.50	0.00
4,200.0	3.78	146.53	4,170.4	-374.6	247.7	-251.4	1.50	-1.50	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Bubba Burton #121H
Company:	Matador Production Company	TVD Reference:	KB @ 3005.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3005.5usft
Site:	Bubba Burton	North Reference:	Grid
Well:	Bubba Burton #121H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

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)
4,300.0	2.28	146.53	4,270.2	-379.0	250.6	-254.3	1.50	-1.50	0.00
4,400.0	0.78	146.53	4,370.2	-381.2	252.0	-255.8	1.50	-1.50	0.00
4,451.8	0.00	0.00	4,422.0	-381.5	252.2	-256.0	1.50	-1.50	0.00
Start 3338.0 hold at 4451.8 MD									
4,500.0	0.00	0.00	4,470.2	-381.5	252.2	-256.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,570.2	-381.5	252.2	-256.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,670.2	-381.5	252.2	-256.0	0.00	0.00	0.00
4,747.8	0.00	0.00	4,718.0	-381.5	252.2	-256.0	0.00	0.00	0.00
Brushy Canyon									
4,800.0	0.00	0.00	4,770.2	-381.5	252.2	-256.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,870.2	-381.5	252.2	-256.0	0.00	0.00	0.00
5,000.0	0.00	0.00	4,970.2	-381.5	252.2	-256.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,070.2	-381.5	252.2	-256.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,170.2	-381.5	252.2	-256.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,270.2	-381.5	252.2	-256.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,370.2	-381.5	252.2	-256.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,470.2	-381.5	252.2	-256.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,570.2	-381.5	252.2	-256.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,670.2	-381.5	252.2	-256.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,770.2	-381.5	252.2	-256.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,870.2	-381.5	252.2	-256.0	0.00	0.00	0.00
6,000.0	0.00	0.00	5,970.2	-381.5	252.2	-256.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,070.2	-381.5	252.2	-256.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,170.2	-381.5	252.2	-256.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,270.2	-381.5	252.2	-256.0	0.00	0.00	0.00
6,375.8	0.00	0.00	6,346.0	-381.5	252.2	-256.0	0.00	0.00	0.00
Bone Spring Lime									
6,400.0	0.00	0.00	6,370.2	-381.5	252.2	-256.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,470.2	-381.5	252.2	-256.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,570.2	-381.5	252.2	-256.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,670.2	-381.5	252.2	-256.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,770.2	-381.5	252.2	-256.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,870.2	-381.5	252.2	-256.0	0.00	0.00	0.00
7,000.0	0.00	0.00	6,970.2	-381.5	252.2	-256.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,070.2	-381.5	252.2	-256.0	0.00	0.00	0.00
7,110.8	0.00	0.00	7,081.0	-381.5	252.2	-256.0	0.00	0.00	0.00
First Bone Spring Carbobate									
7,200.0	0.00	0.00	7,170.2	-381.5	252.2	-256.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,270.2	-381.5	252.2	-256.0	0.00	0.00	0.00
7,320.8	0.00	0.00	7,291.0	-381.5	252.2	-256.0	0.00	0.00	0.00
First Bone Spring Sand									
7,400.0	0.00	0.00	7,370.2	-381.5	252.2	-256.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,470.2	-381.5	252.2	-256.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,570.2	-381.5	252.2	-256.0	0.00	0.00	0.00
7,610.8	0.00	0.00	7,581.0	-381.5	252.2	-256.0	0.00	0.00	0.00
Second Bone Spring Carbonate									
7,700.0	0.00	0.00	7,670.2	-381.5	252.2	-256.0	0.00	0.00	0.00
7,789.8	0.00	0.00	7,760.0	-381.5	252.2	-256.0	0.00	0.00	0.00
Start Build 10.00 - VP - Bubba Burton #121H									
7,800.0	1.02	284.65	7,770.2	-381.5	252.2	-255.9	10.00	10.00	0.00
7,900.0	11.02	284.65	7,869.5	-378.8	242.0	-245.8	10.00	10.00	0.00
8,000.0	21.02	284.65	7,965.5	-371.9	215.4	-219.0	10.00	10.00	0.00
8,100.0	31.02	284.65	8,055.3	-360.8	173.0	-176.5	10.00	10.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Bubba Burton #121H
Company:	Matador Production Company	TVD Reference:	KB @ 3005.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3005.5usft
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Well:	Bubba Burton #121H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

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)
8,142.7	35.29	284.65	8,091.0	-354.9	150.4	-153.9	10.00	10.00	0.00
Second Bone Spring Sand									
8,200.0	41.02	284.65	8,136.0	-345.9	116.1	-119.6	10.00	10.00	0.00
8,300.0	51.02	284.65	8,205.4	-327.8	46.6	-49.9	10.00	10.00	0.00
8,400.0	61.02	284.65	8,261.2	-306.8	-33.5	30.5	10.00	10.00	0.00
8,500.0	71.02	284.65	8,301.8	-283.7	-121.8	119.0	10.00	10.00	0.00
8,538.1	74.83	284.65	8,313.0	-274.5	-157.1	154.3	10.00	10.00	0.00
SBSG B Target									
8,600.0	81.02	284.65	8,325.9	-259.2	-215.6	213.0	10.00	10.00	0.00
8,689.8	90.00	284.65	8,333.0	-236.6	-302.1	299.7	10.00	10.00	0.00
Start DLS 2.00 TFO -90.00									
8,700.0	90.00	284.45	8,333.0	-234.0	-312.0	309.6	2.00	0.00	-2.00
8,800.0	90.00	282.45	8,333.0	-210.8	-409.2	407.1	2.00	0.00	-2.00
8,900.0	90.00	280.45	8,333.0	-190.9	-507.2	505.3	2.00	0.00	-2.00
9,000.0	90.00	278.45	8,333.0	-174.5	-605.9	604.1	2.00	0.00	-2.00
9,100.0	90.00	276.45	8,333.0	-161.6	-705.0	703.4	2.00	0.00	-2.00
9,200.0	90.00	274.45	8,333.0	-152.1	-804.5	803.0	2.00	0.00	-2.00
9,300.0	90.00	272.45	8,333.0	-146.1	-904.4	902.9	2.00	0.00	-2.00
9,393.8	90.00	270.57	8,333.0	-143.6	-998.1	996.7	2.00	0.00	-2.00
Start 9348.9 hold at 9393.8 MD									
9,400.0	90.00	270.57	8,333.0	-143.5	-1,004.3	1,002.8	0.00	0.00	0.00
9,500.0	90.00	270.57	8,333.0	-142.5	-1,104.3	1,102.8	0.00	0.00	0.00
9,600.0	90.00	270.57	8,333.0	-141.5	-1,204.3	1,202.8	0.00	0.00	0.00
9,700.0	90.00	270.57	8,333.0	-140.6	-1,304.3	1,302.8	0.00	0.00	0.00
9,800.0	90.00	270.57	8,333.0	-139.6	-1,404.3	1,402.8	0.00	0.00	0.00
9,900.0	90.00	270.57	8,333.0	-138.6	-1,504.3	1,502.8	0.00	0.00	0.00
10,000.0	90.00	270.57	8,333.0	-137.6	-1,604.3	1,602.8	0.00	0.00	0.00
10,100.0	90.00	270.57	8,333.0	-136.6	-1,704.3	1,702.8	0.00	0.00	0.00
10,200.0	90.00	270.57	8,333.0	-135.6	-1,804.3	1,802.8	0.00	0.00	0.00
10,300.0	90.00	270.57	8,333.0	-134.6	-1,904.3	1,902.8	0.00	0.00	0.00
10,400.0	90.00	270.57	8,333.0	-133.6	-2,004.3	2,002.8	0.00	0.00	0.00
10,500.0	90.00	270.57	8,333.0	-132.6	-2,104.3	2,102.8	0.00	0.00	0.00
10,600.0	90.00	270.57	8,333.0	-131.6	-2,204.3	2,202.8	0.00	0.00	0.00
10,700.0	90.00	270.57	8,333.0	-130.6	-2,304.3	2,302.8	0.00	0.00	0.00
10,800.0	90.00	270.57	8,333.0	-129.6	-2,404.3	2,402.8	0.00	0.00	0.00
10,900.0	90.00	270.57	8,333.0	-128.6	-2,504.3	2,502.8	0.00	0.00	0.00
11,000.0	90.00	270.57	8,333.0	-127.6	-2,604.2	2,602.8	0.00	0.00	0.00
11,100.0	90.00	270.57	8,333.0	-126.6	-2,704.2	2,702.8	0.00	0.00	0.00
11,200.0	90.00	270.57	8,333.0	-125.6	-2,804.2	2,802.8	0.00	0.00	0.00
11,300.0	90.00	270.57	8,333.0	-124.6	-2,904.2	2,902.8	0.00	0.00	0.00
11,400.0	90.00	270.57	8,333.0	-123.6	-3,004.2	3,002.8	0.00	0.00	0.00
11,500.0	90.00	270.57	8,333.0	-122.7	-3,104.2	3,102.8	0.00	0.00	0.00
11,600.0	90.00	270.57	8,333.0	-121.7	-3,204.2	3,202.8	0.00	0.00	0.00
11,700.0	90.00	270.57	8,333.0	-120.7	-3,304.2	3,302.8	0.00	0.00	0.00
11,800.0	90.00	270.57	8,333.0	-119.7	-3,404.2	3,402.8	0.00	0.00	0.00
11,900.0	90.00	270.57	8,333.0	-118.7	-3,504.2	3,502.8	0.00	0.00	0.00
12,000.0	90.00	270.57	8,333.0	-117.7	-3,604.2	3,602.8	0.00	0.00	0.00
12,100.0	90.00	270.57	8,333.0	-116.7	-3,704.2	3,702.8	0.00	0.00	0.00
12,200.0	90.00	270.57	8,333.0	-115.7	-3,804.2	3,802.8	0.00	0.00	0.00
12,300.0	90.00	270.57	8,333.0	-114.7	-3,904.2	3,902.8	0.00	0.00	0.00
12,400.0	90.00	270.57	8,333.0	-113.7	-4,004.2	4,002.8	0.00	0.00	0.00
12,500.0	90.00	270.57	8,333.0	-112.7	-4,104.2	4,102.8	0.00	0.00	0.00
12,600.0	90.00	270.57	8,333.0	-111.7	-4,204.2	4,202.8	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Bubba Burton #121H
Company:	Matador Production Company	TVD Reference:	KB @ 3005.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3005.5usft
Site:	Bubba Burton	North Reference:	Grid
Well:	Bubba Burton #121H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
12,700.0	90.00	270.57	8,333.0	-110.7	-4,304.2	4,302.8	0.00	0.00	0.00	
12,800.0	90.00	270.57	8,333.0	-109.7	-4,404.2	4,402.8	0.00	0.00	0.00	
12,900.0	90.00	270.57	8,333.0	-108.7	-4,504.2	4,502.8	0.00	0.00	0.00	
13,000.0	90.00	270.57	8,333.0	-107.7	-4,604.1	4,602.8	0.00	0.00	0.00	
13,100.0	90.00	270.57	8,333.0	-106.7	-4,704.1	4,702.8	0.00	0.00	0.00	
13,200.0	90.00	270.57	8,333.0	-105.7	-4,804.1	4,802.8	0.00	0.00	0.00	
13,300.0	90.00	270.57	8,333.0	-104.8	-4,904.1	4,902.8	0.00	0.00	0.00	
13,400.0	90.00	270.57	8,333.0	-103.8	-5,004.1	5,002.8	0.00	0.00	0.00	
13,500.0	90.00	270.57	8,333.0	-102.8	-5,104.1	5,102.8	0.00	0.00	0.00	
13,600.0	90.00	270.57	8,333.0	-101.8	-5,204.1	5,202.8	0.00	0.00	0.00	
13,700.0	90.00	270.57	8,333.0	-100.8	-5,304.1	5,302.8	0.00	0.00	0.00	
13,800.0	90.00	270.57	8,333.0	-99.8	-5,404.1	5,402.8	0.00	0.00	0.00	
13,900.0	90.00	270.57	8,333.0	-98.8	-5,504.1	5,502.8	0.00	0.00	0.00	
14,000.0	90.00	270.57	8,333.0	-97.8	-5,604.1	5,602.8	0.00	0.00	0.00	
14,100.0	90.00	270.57	8,333.0	-96.8	-5,704.1	5,702.8	0.00	0.00	0.00	
14,200.0	90.00	270.57	8,333.0	-95.8	-5,804.1	5,802.8	0.00	0.00	0.00	
14,300.0	90.00	270.57	8,333.0	-94.8	-5,904.1	5,902.8	0.00	0.00	0.00	
14,400.0	90.00	270.57	8,333.0	-93.8	-6,004.1	6,002.8	0.00	0.00	0.00	
14,500.0	90.00	270.57	8,333.0	-92.8	-6,104.1	6,102.8	0.00	0.00	0.00	
14,600.0	90.00	270.57	8,333.0	-91.8	-6,204.1	6,202.8	0.00	0.00	0.00	
14,700.0	90.00	270.57	8,333.0	-90.8	-6,304.1	6,302.8	0.00	0.00	0.00	
14,800.0	90.00	270.57	8,333.0	-89.8	-6,404.1	6,402.8	0.00	0.00	0.00	
14,900.0	90.00	270.57	8,333.0	-88.8	-6,504.1	6,502.8	0.00	0.00	0.00	
15,000.0	90.00	270.57	8,333.0	-87.8	-6,604.0	6,602.8	0.00	0.00	0.00	
15,100.0	90.00	270.57	8,333.0	-86.9	-6,704.0	6,702.8	0.00	0.00	0.00	
15,200.0	90.00	270.57	8,333.0	-85.9	-6,804.0	6,802.8	0.00	0.00	0.00	
15,300.0	90.00	270.57	8,333.0	-84.9	-6,904.0	6,902.8	0.00	0.00	0.00	
15,400.0	90.00	270.57	8,333.0	-83.9	-7,004.0	7,002.8	0.00	0.00	0.00	
15,500.0	90.00	270.57	8,333.0	-82.9	-7,104.0	7,102.8	0.00	0.00	0.00	
15,600.0	90.00	270.57	8,333.0	-81.9	-7,204.0	7,202.8	0.00	0.00	0.00	
15,700.0	90.00	270.57	8,333.0	-80.9	-7,304.0	7,302.8	0.00	0.00	0.00	
15,800.0	90.00	270.57	8,333.0	-79.9	-7,404.0	7,402.8	0.00	0.00	0.00	
15,900.0	90.00	270.57	8,333.0	-78.9	-7,504.0	7,502.8	0.00	0.00	0.00	
16,000.0	90.00	270.57	8,333.0	-77.9	-7,604.0	7,602.8	0.00	0.00	0.00	
16,100.0	90.00	270.57	8,333.0	-76.9	-7,704.0	7,702.8	0.00	0.00	0.00	
16,200.0	90.00	270.57	8,333.0	-75.9	-7,804.0	7,802.8	0.00	0.00	0.00	
16,300.0	90.00	270.57	8,333.0	-74.9	-7,904.0	7,902.8	0.00	0.00	0.00	
16,400.0	90.00	270.57	8,333.0	-73.9	-8,004.0	8,002.8	0.00	0.00	0.00	
16,500.0	90.00	270.57	8,333.0	-72.9	-8,104.0	8,102.8	0.00	0.00	0.00	
16,600.0	90.00	270.57	8,333.0	-71.9	-8,204.0	8,202.8	0.00	0.00	0.00	
16,700.0	90.00	270.57	8,333.0	-70.9	-8,304.0	8,302.8	0.00	0.00	0.00	
16,800.0	90.00	270.57	8,333.0	-69.9	-8,404.0	8,402.8	0.00	0.00	0.00	
16,900.0	90.00	270.57	8,333.0	-69.0	-8,504.0	8,502.8	0.00	0.00	0.00	
17,000.0	90.00	270.57	8,333.0	-68.0	-8,603.9	8,602.8	0.00	0.00	0.00	
17,100.0	90.00	270.57	8,333.0	-67.0	-8,703.9	8,702.8	0.00	0.00	0.00	
17,200.0	90.00	270.57	8,333.0	-66.0	-8,803.9	8,802.8	0.00	0.00	0.00	
17,300.0	90.00	270.57	8,333.0	-65.0	-8,903.9	8,902.8	0.00	0.00	0.00	
17,400.0	90.00	270.57	8,333.0	-64.0	-9,003.9	9,002.8	0.00	0.00	0.00	
17,500.0	90.00	270.57	8,333.0	-63.0	-9,103.9	9,102.8	0.00	0.00	0.00	
17,600.0	90.00	270.57	8,333.0	-62.0	-9,203.9	9,202.8	0.00	0.00	0.00	
17,700.0	90.00	270.57	8,333.0	-61.0	-9,303.9	9,302.8	0.00	0.00	0.00	
17,800.0	90.00	270.57	8,333.0	-60.0	-9,403.9	9,402.8	0.00	0.00	0.00	
17,900.0	90.00	270.57	8,333.0	-59.0	-9,503.9	9,502.8	0.00	0.00	0.00	
18,000.0	90.00	270.57	8,333.0	-58.0	-9,603.9	9,602.8	0.00	0.00	0.00	

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Bubba Burton #121H
Company:	Matador Production Company	TVD Reference:	KB @ 3005.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3005.5usft
Site:	Bubba Burton	North Reference:	Grid
Well:	Bubba Burton #121H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

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)	
18,100.0	90.00	270.57	8,333.0	-57.0	-9,703.9	9,702.8	0.00	0.00	0.00	
18,200.0	90.00	270.57	8,333.0	-56.0	-9,803.9	9,802.8	0.00	0.00	0.00	
18,300.0	90.00	270.57	8,333.0	-55.0	-9,903.9	9,902.8	0.00	0.00	0.00	
18,400.0	90.00	270.57	8,333.0	-54.0	-10,003.9	10,002.8	0.00	0.00	0.00	
18,500.0	90.00	270.57	8,333.0	-53.0	-10,103.9	10,102.8	0.00	0.00	0.00	
18,600.0	90.00	270.57	8,333.0	-52.0	-10,203.9	10,202.8	0.00	0.00	0.00	
18,700.0	90.00	270.57	8,333.0	-51.1	-10,303.9	10,302.8	0.00	0.00	0.00	
18,742.7	90.00	270.57	8,333.0	-50.6	-10,346.5	10,345.5	0.00	0.00	0.00	
TD at 18742.7 - BHL - Bubba Burton #121H										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude		Longitude
VP - Bubba Burton #1 - hit/miss target - Shape - Point	0.00	0.00	7,760.0	-381.5	252.2	444,766.00	587,889.00	32° 13' 20.854 N		104° 2' 56.860 W
BHL - Bubba Burton # - plan hits target center - Point	0.00	0.00	8,333.0	-50.6	-10,346.5	445,096.84	577,289.83	32° 13' 24.388 N		104° 5' 0.238 W

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,651.8	2,636.0	Lamar				
2,702.2	2,686.0	Bell Canyon				
3,646.4	3,621.0	Cherry Canyon				
4,747.8	4,718.0	Brushy Canyon				
6,375.8	6,346.0	Bone Spring Lime				
7,110.8	7,081.0	First Bone Spring Carbobate				
7,320.8	7,291.0	First Bone Spring Sand				
7,610.8	7,581.0	Second Bone Spring Carbonate				
8,142.7	8,091.0	Second Bone Spring Sand				
8,538.1	8,313.0	SBSG B Target				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
500.0	500.0	0.0	0.0	Start Build 1.00	
1,300.0	1,297.4	-46.5	30.8	Start 2618.5 hold at 1300.0 MD	
3,918.5	3,890.4	-350.5	231.7	Start Drop -1.50	
4,451.8	4,422.0	-381.5	252.2	Start 3338.0 hold at 4451.8 MD	
7,789.8	7,760.0	-381.5	252.2	Start Build 10.00	
8,689.8	8,333.0	-236.6	-302.1	Start DLS 2.00 TFO -90.00	
9,393.8	8,333.0	-143.6	-998.1	Start 9348.9 hold at 9393.8 MD	
18,742.7	8,333.0	-50.6	-10,346.5	TD at 18742.7	



SURVEY PROGRAM

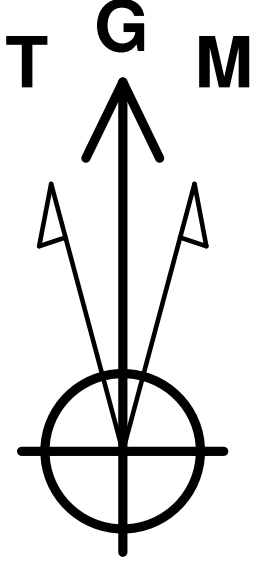
WELL DETAILS: Bubba Burton #121H

Depth From	Depth To	Survey/Plan	Tool				GL @ 2977.0	KB @ 3005.5usft		
0.0	18742.7	State Plan #1 (Wellbore #1)	MWD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
				0.0	0.0	445147.47	587636.78	32° 13' 24.635 N	104° 2' 59.784 W	

Company: Matador Production Company
Well: Bubba Burton #121H
County: Eddy County, NM
Wellbore: Wellbore #1
Plan: State Plan #1
Date: 1/28/2021

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

To convert a Magnetic Direction to a Grid Direction, Add 6.63°
To convert a Magnetic Direction to a True Direction, Add 6.78° East
To convert a True Direction to a Grid Direction, Subtract 0.15°



Azimuths to Grid North
True North: -0.15°
Magnetic North: 6.63°

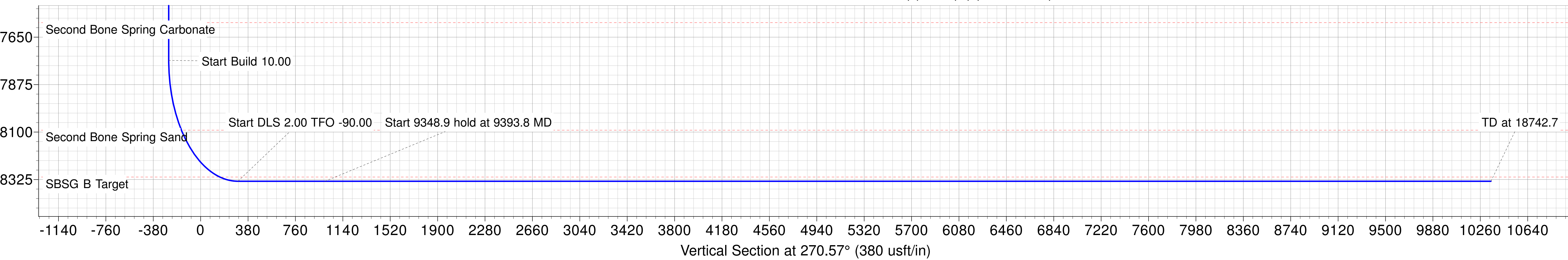
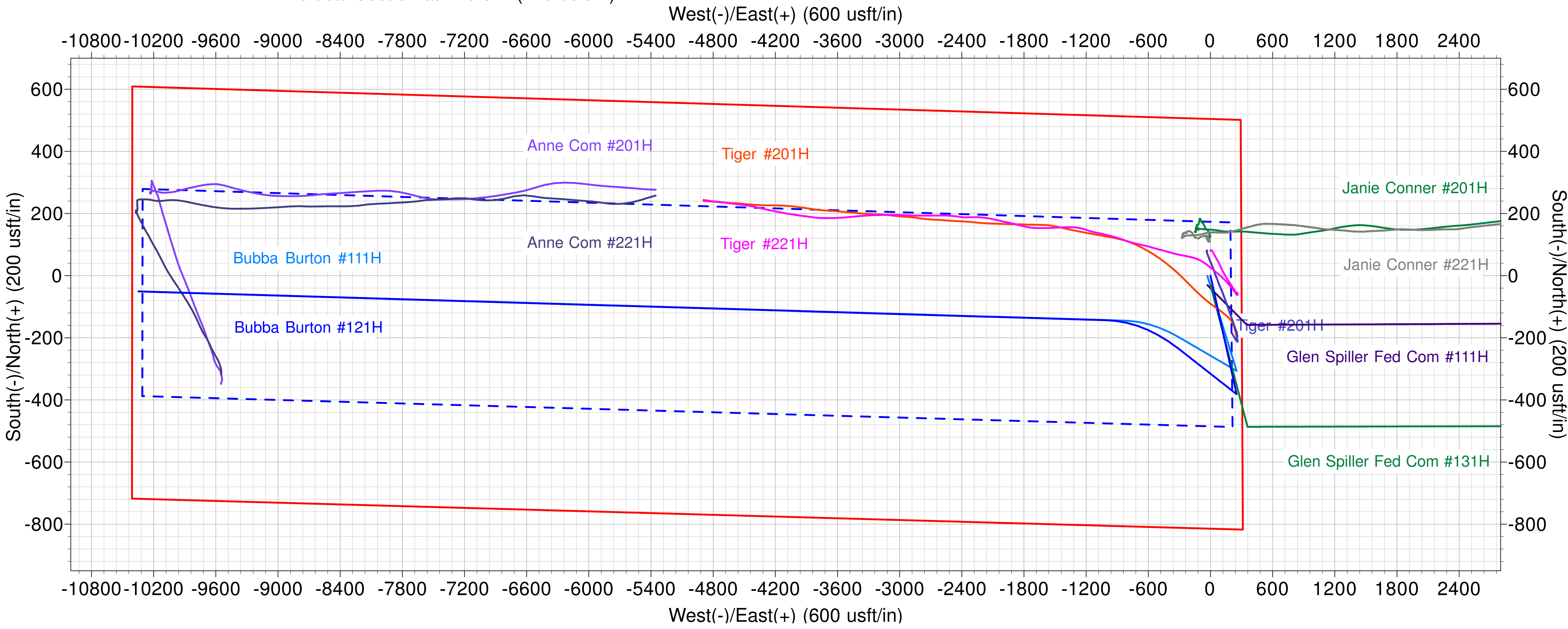
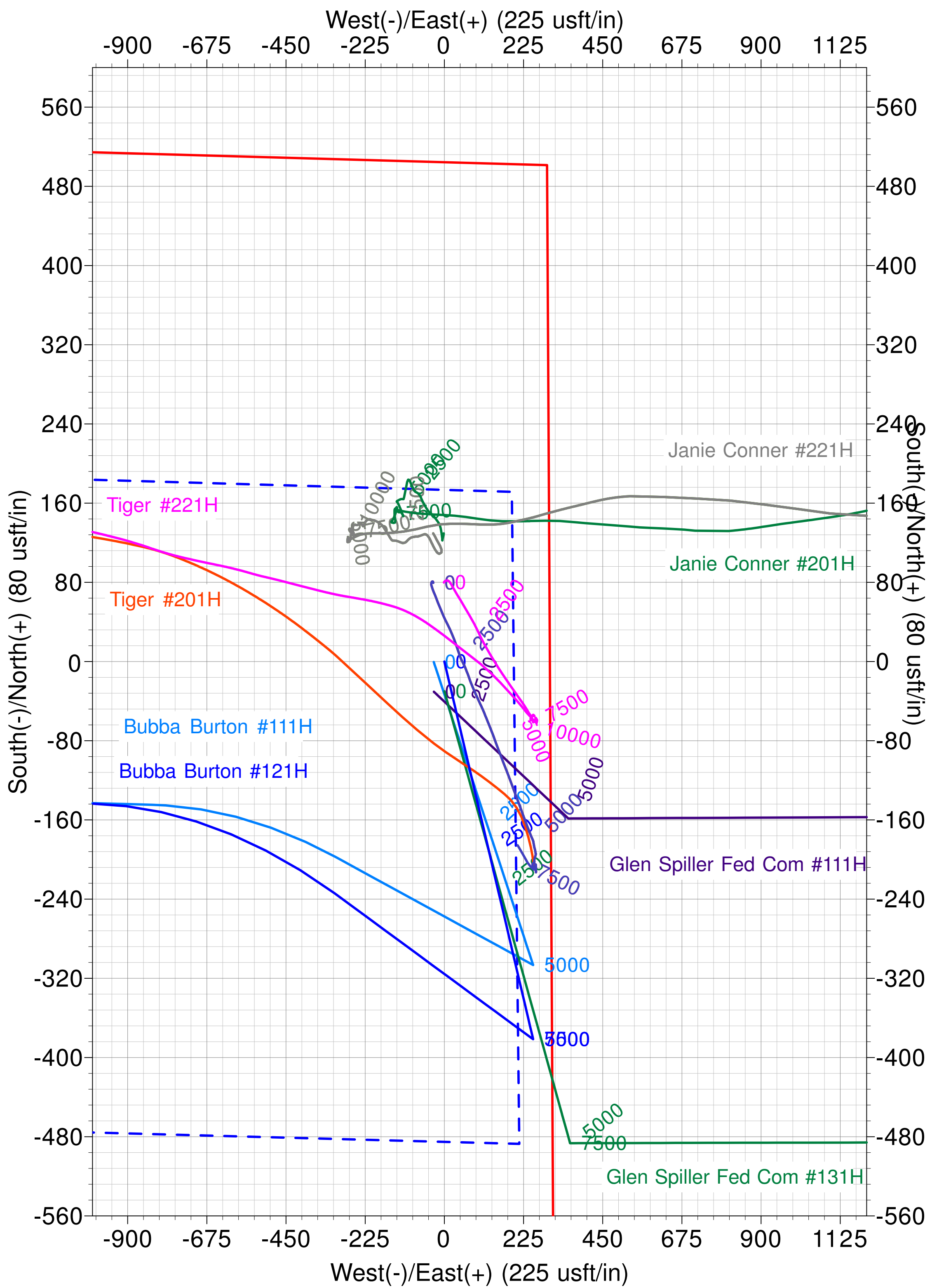
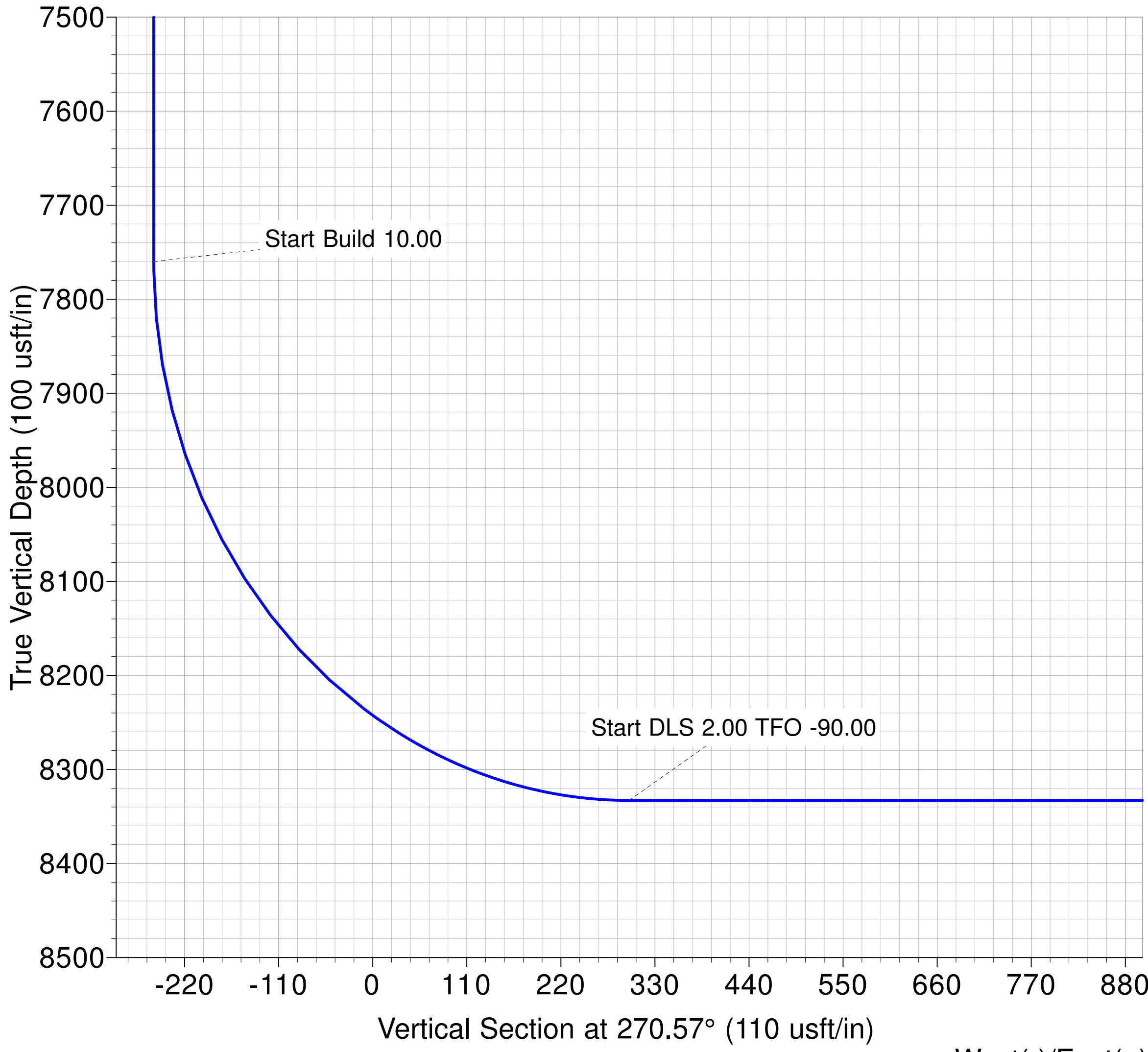
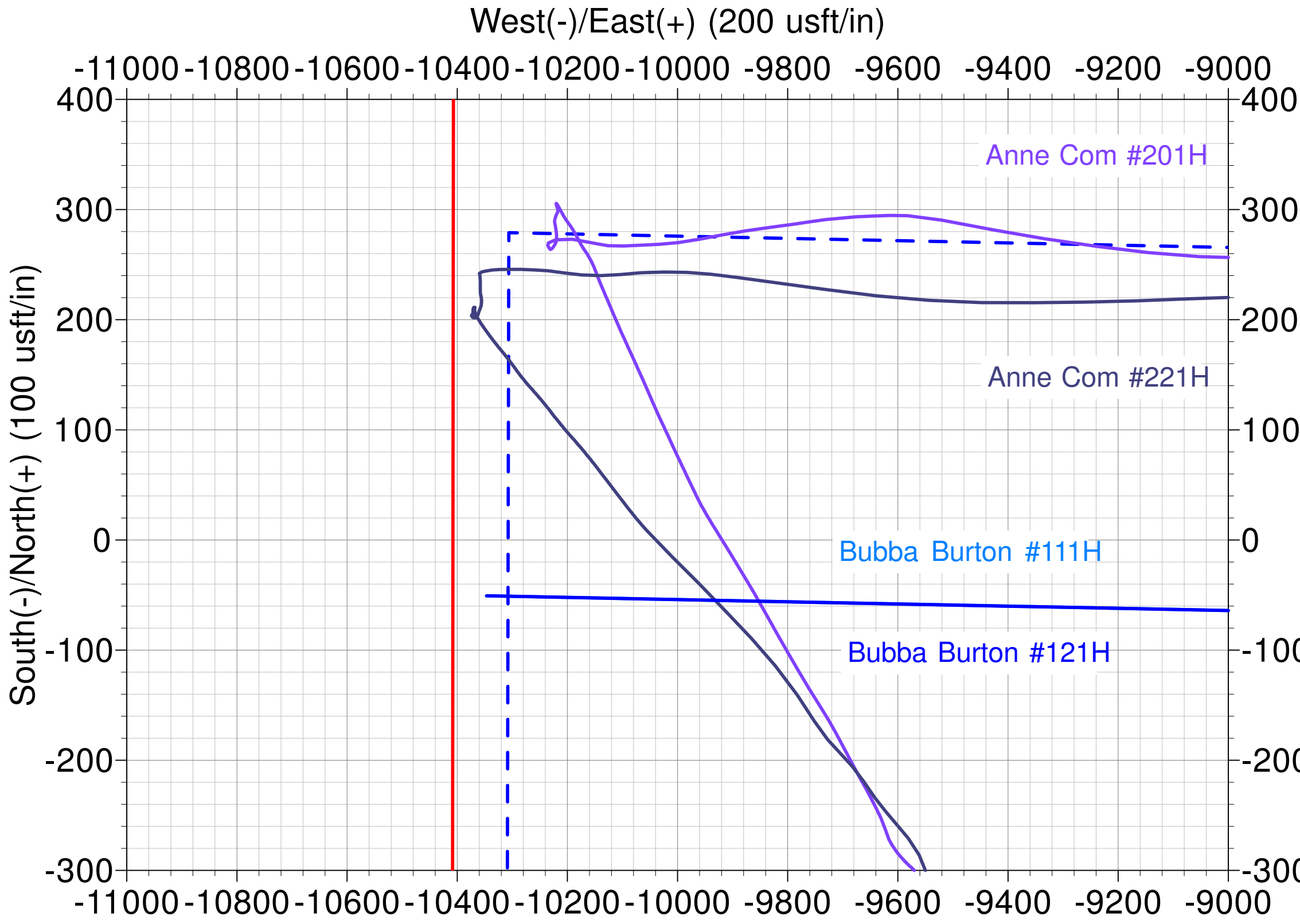
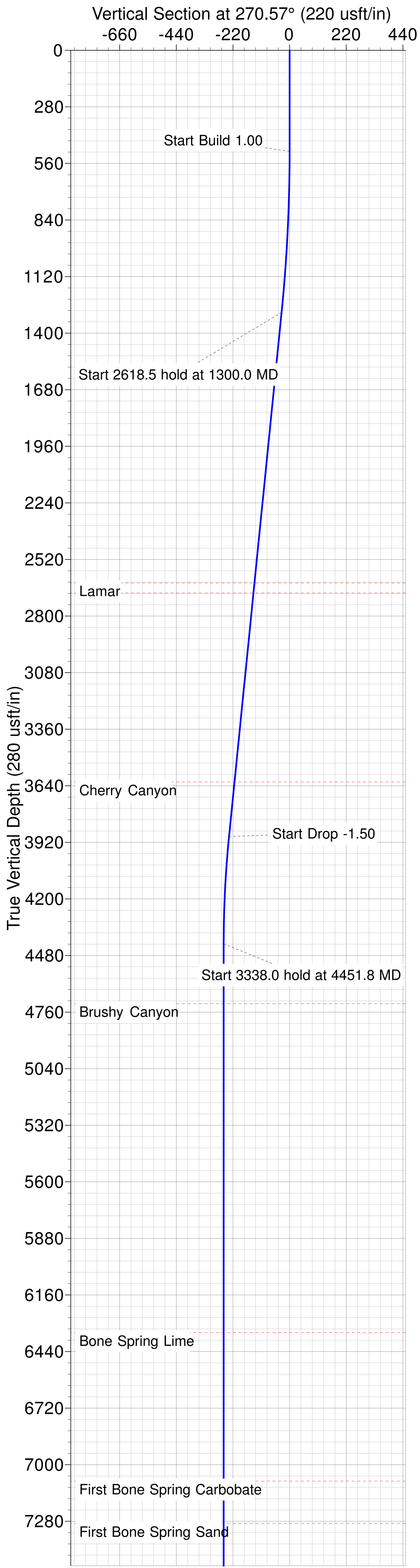
Magnetic Field
Strength: 47519.6snT
Dip Angle: 59.94°
Date: 1/28/2021
Model: IGRF2015

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
VP - Bubba Burton #121H	7760.0	-381.5	252.2	444766.00	587889.00	32° 13' 20.854 N	104° 2' 56.860 W
BHL - Bubba Burton #121H	8333.0	-50.6	-10346.5	445096.84	577289.82	32° 13' 24.388 N	104° 5' 0.238 W

SECTION DETIALS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	V Sect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.0	Start Build 1.00
1300.0	8.00	146.53	1297.4	-46.5	30.8	1.00	146.53	-31.2	Start 2618.5 hold at 1300.0 MD
3918.5	8.00	146.53	3890.4	-350.5	231.7	0.00	0.00	-235.2	Start Drop -1.50
4451.8	0.00	0.00	4422.0	-381.5	252.2	1.50	180.00	-256.0	Start 3338.0 hold at 4451.8 MD
7789.8	0.00	0.00	7760.0	-381.5	252.2	0.00	0.00	-256.0	Start Build 10.00
8689.8	90.00	284.65	8333.0	-236.6	-302.1	10.00	284.65	299.7	Start DLS 2.00 TFO -90.00
9393.8	90.00	270.57	8333.0	-143.6	-998.1	2.00	-90.00	996.7	Start 9348.9 hold at 9393.8 MD
18742.7	90.00	270.57	8333.0	-50.6	-10346.5	0.00	0.00	10345.5	TD at 18742.7



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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

COMMENTS

Action 62371

COMMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 62371
	Action Type: [C-103] NOI Change of Plans (C-103A)

COMMENTS

Created By	Comment	Comment Date
kpickford	KP GEO Review 11/23/2021	11/23/2021

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CONDITIONS

Action 62371

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Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 62371
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
kpickford	The pool has been corrected. All subsequent sundries must reflect the correct pool.	11/23/2021