

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

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.)		WELL API NO. 30-015-48106
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator Matador Production Company		6. State Oil & Gas Lease No.
3. Address of Operator 5400 LBJ Freeway, Ste 1500 Dallas, TX 75240		7. Lease Name or Unit Agreement Name
4. Well Location Unit Letter H : 1966 feet from the North line and 356 feet from the East line Section 14 24S Township 28E Range NMPM Eddy County		8. Well Number 122H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 2966		9. OGRID Number 228937
		10. Pool name or Wildcat Malaga; Bone Spring

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 respectfully requests to amend the Ken Wilson #122H surface hole location from the SHL 1,966' FNL and 356' FEL to the new SHL 1935' FNL and 326' FEL

Please see updated C-102 and Directional Drilling Plans, attached.

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 12/02/2021

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

For State Use Only

APPROVED BY: John Garcia TITLE Petroleum Engineer DATE 12/2/2021

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
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 30-15-48106	² Pool Code 42780	³ Pool Name Malaga; Bone Spring
⁴ Property Code	⁵ Property Name KEN WILSON 14 15	⁶ Well Number 122H
⁷ OGRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 2966'

¹⁰Surface Location

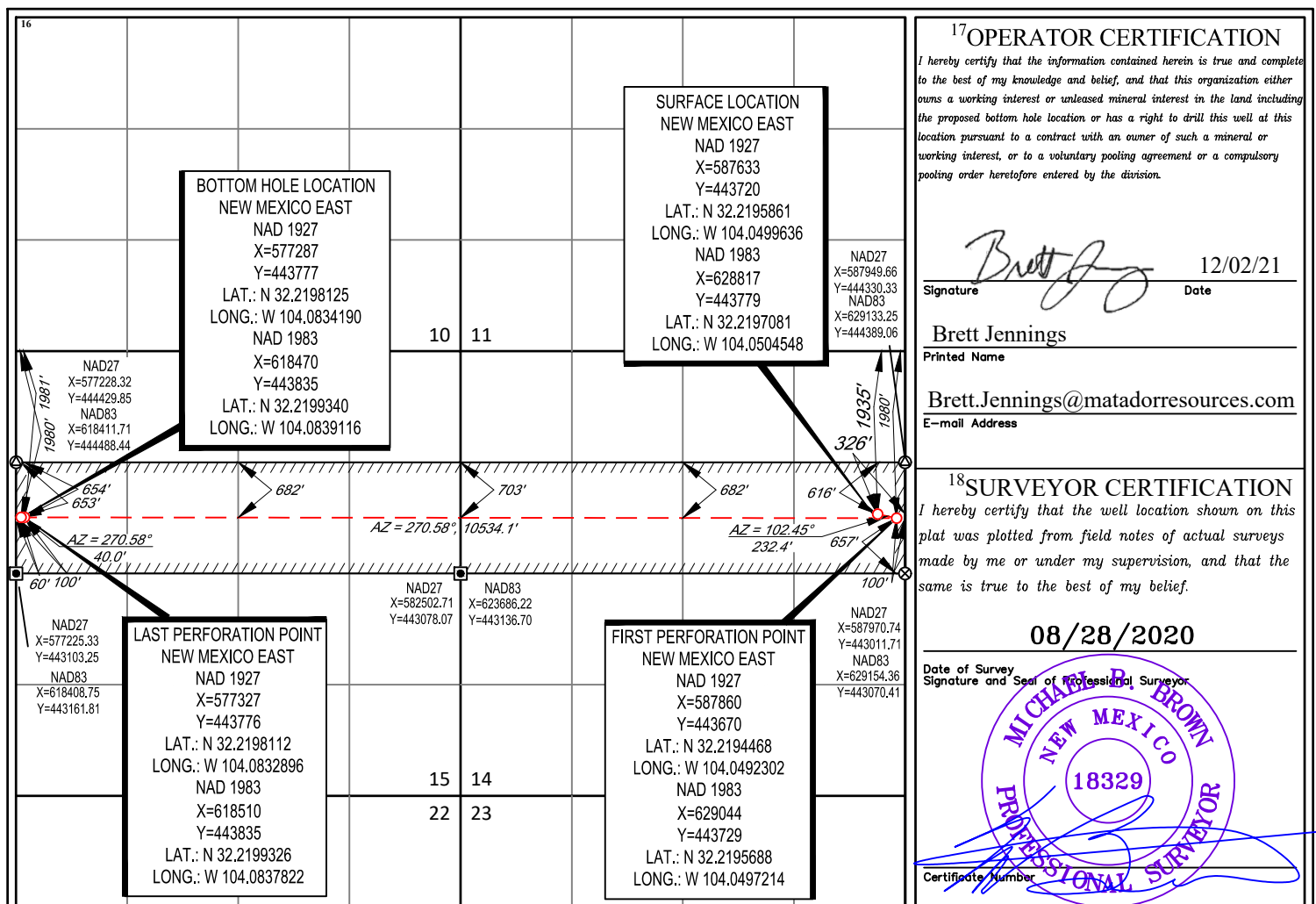
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	14	24-S	28-E	-	1935'	NORTH	326'	EAST	EDDY

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
E	15	24-S	28-E	-	1980'	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.





SURVEY PROGRAM

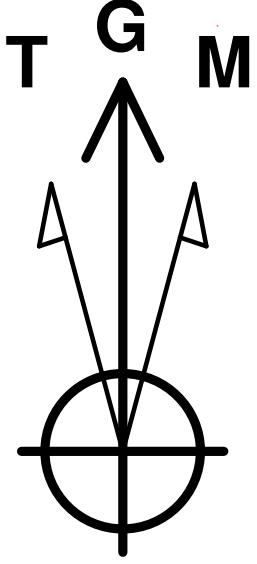
WELL DETAILS: Ken Wilson #122H

Depth From	Depth To	Survey/Plan	Tool				GL @ 2966.0	KB @ 2994.5usft		
0.0	18650.8	State Plan #1 (Wellbore #1)	MWD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
				0.0	0.0	443720.13	587633.28	32° 13' 10.510 N	104° 2' 59.869 W	

Company: Matador Production Company
Well: Ken Wilson #122H
County: Eddy County, NM
Wellbore: Wellbore #1
Plan: State Plan #1
Date: 10/12/2020

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 6.67°
To convert a Magnetic Direction to a True Direction, Add 6.82° East
To convert a True Direction to a Grid Direction, Subtract 0.15°



Azimuths to Grid North
True North: -0.15°
Magnetic North: 6.66°

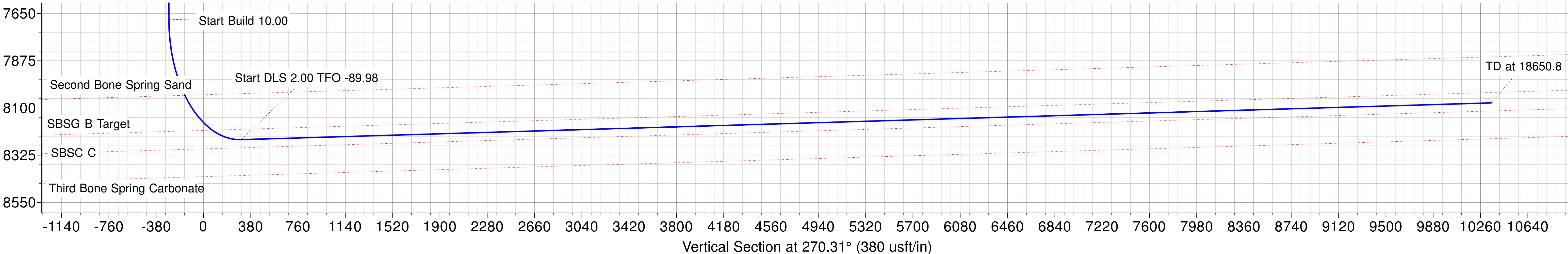
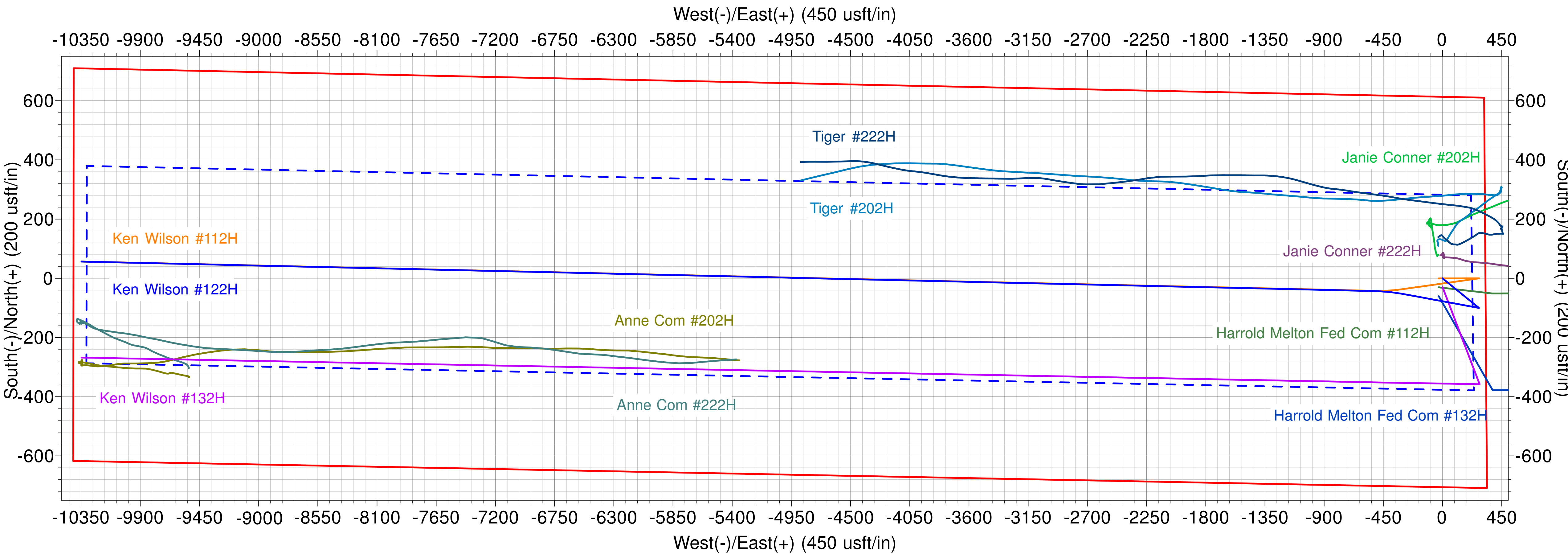
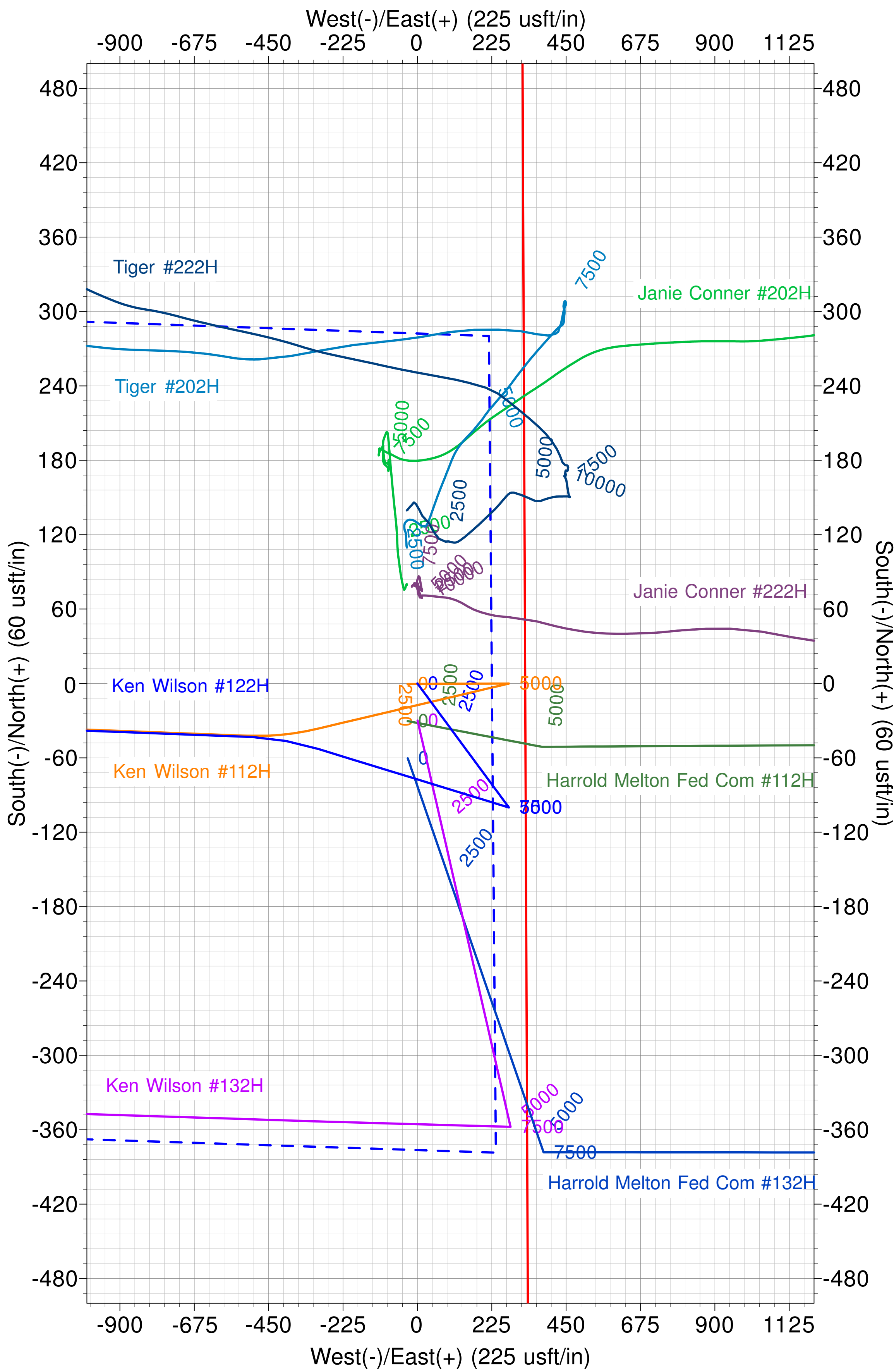
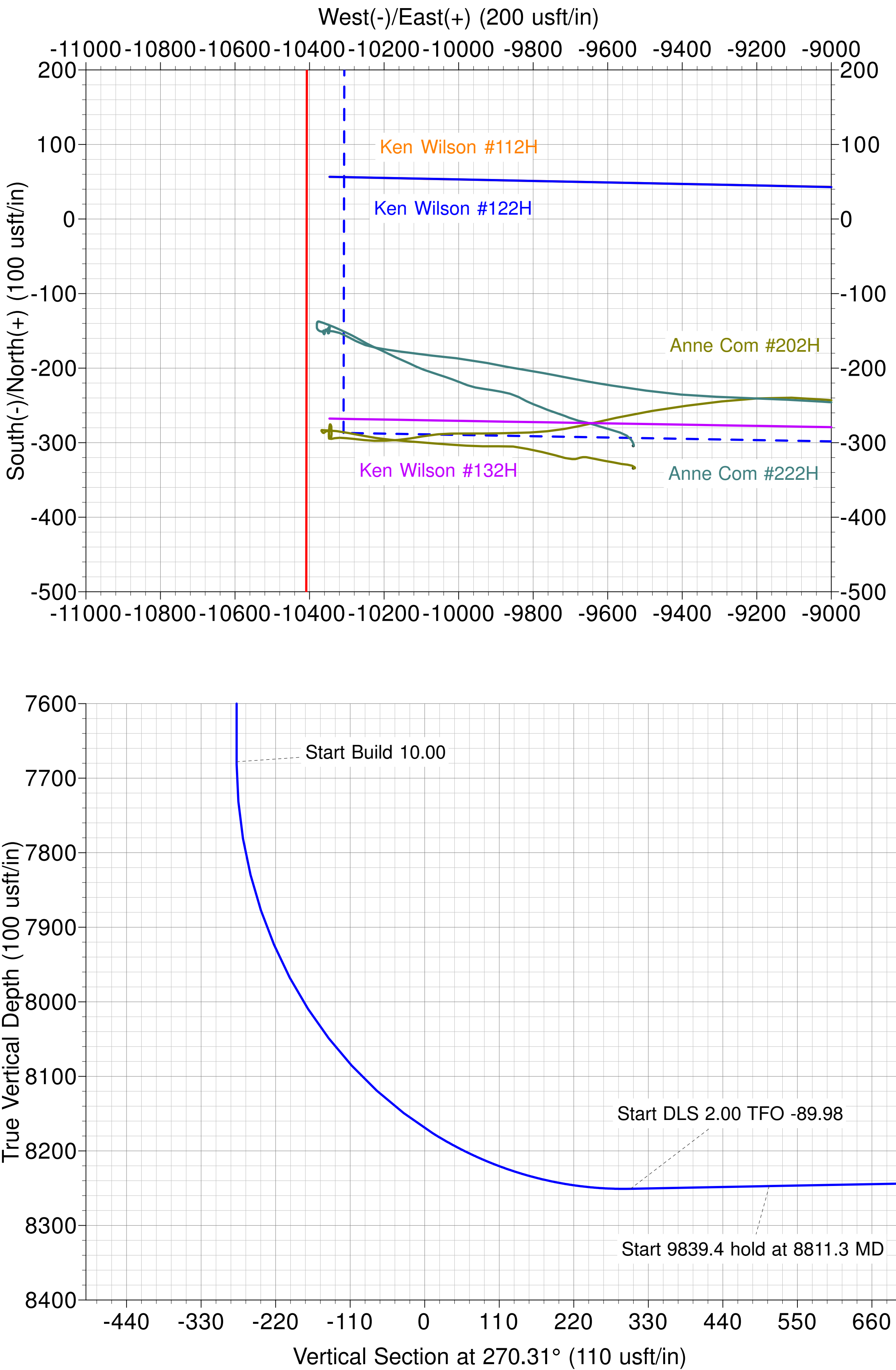
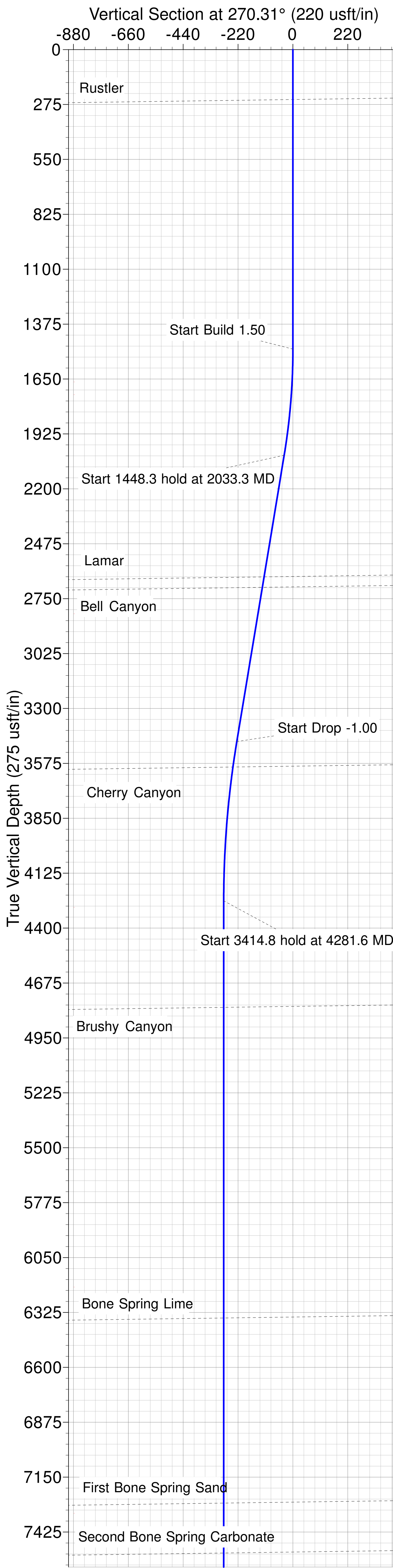
Magnetic Field
Strength: 47547.5snT
Dip Angle: 59.94°
Date: 10/12/2020
Model: IGRF2015

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
VP - Ken Wilson #122H	7678.0	-100.1	277.0	443620.05	587910.22	32° 13' 9.512 N	104° 2' 56.648 W
BHL - Ken Wilson #122H	8075.8	56.7	-10346.1	443776.81	577286.83	32° 13' 11.325 N	104° 5' 0.308 W

SECTION DETIALS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	Start Build 1.50
2033.3	8.00	109.87	2031.6	-12.6	35.0	1.50	109.87	-35.0	Start 1448.3 hold at 2033.3 MD
3481.6	8.00	109.87	3465.8	-81.1	224.5	0.00	0.00	-225.0	Start Drop -1.00
4281.6	0.00	0.00	4263.2	-100.1	277.0	1.00	180.00	-277.5	Start 3414.8 hold at 4281.6 MD
7696.4	0.00	0.00	7678.0	-100.1	277.0	0.00	0.00	-277.5	Start Build 10.00
8606.4	91.00	274.68	8250.9	-52.5	-304.0	10.00	274.68	303.8	Start DLS 2.00 TFO -89.98
8811.3	91.00	270.58	8247.3	-43.1	-508.7	2.00	-89.98	508.4	Start 9839.4 hold at 8811.3 MD
18650.8	91.00	270.58	8075.8	56.7	-10346.1	0.00	0.00	10346.3	TD at 18650.8



Matador Production Company

Rustler Breaks

Ken Wilson

Ken Wilson #122H

Wellbore #1

Plan: State Plan #1

Standard Planning Report

13 August, 2021

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Ken Wilson #122H
Company:	Matador Production Company	TVD Reference:	KB @ 2994.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 2994.5usft
Site:	Ken Wilson	North Reference:	Grid
Well:	Ken Wilson #122H	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	Ken Wilson				
Site Position:		Northing:	443,719.72 usft	Latitude:	32° 13' 10.507 N
From:	Lat/Long	Easting:	587,603.35 usft	Longitude:	104° 3' 0.217 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.15 °

Well	Ken Wilson #122H					
Well Position	+N/-S	0.4 usft	Northing:	443,720.13 usft	Latitude:	32° 13' 10.510 N
	+E/-W	29.9 usft	Easting:	587,633.28 usft	Longitude:	104° 2' 59.869 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	2,966.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/12/2020	6.82	59.94	47,547.54013896

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	270.31

Plan Survey Tool Program	Date	8/13/2021		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	18,650.8	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	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,033.3	8.00	109.87	2,031.6	-12.6	35.0	1.50	1.50	0.00	109.87	
3,481.6	8.00	109.87	3,465.8	-81.1	224.5	0.00	0.00	0.00	0.00	
4,281.6	0.00	0.00	4,263.2	-100.1	277.0	1.00	-1.00	0.00	180.00	
7,696.4	0.00	0.00	7,678.0	-100.1	277.0	0.00	0.00	0.00	0.00	VP - Ken Wilson #1
8,606.4	91.00	274.68	8,250.9	-52.5	-304.0	10.00	10.00	0.00	274.68	
8,811.3	91.00	270.58	8,247.3	-43.1	-508.7	2.00	0.00	-2.00	-89.98	
18,650.8	91.00	270.58	8,075.8	56.7	-10,346.1	0.00	0.00	0.00	0.00	BHL - Ken Wilson #

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Ken Wilson #122H
Company:	Matador Production Company	TVD Reference:	KB @ 2994.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 2994.5usft
Site:	Ken Wilson	North Reference:	Grid
Well:	Ken Wilson #122H	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
250.0	0.00	0.00	250.0	0.0	0.0	0.0	0.00	0.00	0.00
Rustler									
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
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 1.50									
1,600.0	1.50	109.87	1,600.0	-0.4	1.2	-1.2	1.50	1.50	0.00
1,700.0	3.00	109.87	1,699.9	-1.8	4.9	-4.9	1.50	1.50	0.00
1,800.0	4.50	109.87	1,799.7	-4.0	11.1	-11.1	1.50	1.50	0.00
1,900.0	6.00	109.87	1,899.3	-7.1	19.7	-19.7	1.50	1.50	0.00
2,000.0	7.50	109.87	1,998.6	-11.1	30.7	-30.8	1.50	1.50	0.00
2,033.3	8.00	109.87	2,031.6	-12.6	35.0	-35.0	1.50	1.50	0.00
Start 1590.4 hold at 2033.3 MD									
2,100.0	8.00	109.87	2,097.6	-15.8	43.7	-43.8	0.00	0.00	0.00
2,200.0	8.00	109.87	2,196.6	-20.5	56.8	-56.9	0.00	0.00	0.00
2,300.0	8.00	109.87	2,295.7	-25.2	69.9	-70.0	0.00	0.00	0.00
2,400.0	8.00	109.87	2,394.7	-30.0	83.0	-83.1	0.00	0.00	0.00
2,500.0	8.00	109.87	2,493.7	-34.7	96.0	-96.2	0.00	0.00	0.00
2,600.0	8.00	109.87	2,592.8	-39.4	109.1	-109.3	0.00	0.00	0.00
2,648.7	8.00	109.87	2,641.0	-41.7	115.5	-115.7	0.00	0.00	0.00
Lamar									
2,700.0	8.00	109.87	2,691.8	-44.2	122.2	-122.5	0.00	0.00	0.00
2,701.4	8.00	109.87	2,693.1	-44.2	122.4	-122.6	0.00	0.00	0.00
Bell Canyon									
2,800.0	8.00	109.87	2,790.8	-48.9	135.3	-135.6	0.00	0.00	0.00
2,900.0	8.00	109.87	2,889.8	-53.6	148.4	-148.7	0.00	0.00	0.00
3,000.0	8.00	109.87	2,988.9	-58.4	161.5	-161.8	0.00	0.00	0.00
3,100.0	8.00	109.87	3,087.9	-63.1	174.6	-174.9	0.00	0.00	0.00
3,200.0	8.00	109.87	3,186.9	-67.8	187.7	-188.0	0.00	0.00	0.00
3,300.0	8.00	109.87	3,285.9	-72.5	200.8	-201.1	0.00	0.00	0.00
3,400.0	8.00	109.87	3,385.0	-77.3	213.8	-214.3	0.00	0.00	0.00
3,481.6	8.00	109.87	3,465.8	-81.1	224.5	-225.0	0.00	0.00	0.00
3,500.0	7.82	109.87	3,484.0	-82.0	226.9	-227.4	1.00	-1.00	0.00
3,600.0	6.82	109.87	3,583.2	-86.3	238.9	-239.3	1.00	-1.00	0.00
3,610.1	6.72	109.87	3,593.2	-86.7	240.0	-240.5	1.00	-1.00	0.00
Cherry Canyon									
3,623.8	6.58	109.87	3,606.8	-87.3	241.5	-242.0	1.00	-1.00	0.00
Start Drop -1.00									
3,700.0	5.82	109.87	3,682.6	-90.1	249.2	-249.7	1.00	-1.00	0.00
3,800.0	4.82	109.87	3,782.1	-93.2	257.9	-258.4	1.00	-1.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Ken Wilson #122H
Company:	Matador Production Company	TVD Reference:	KB @ 2994.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 2994.5usft
Site:	Ken Wilson	North Reference:	Grid
Well:	Ken Wilson #122H	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)
3,900.0	3.82	109.87	3,881.9	-95.8	265.0	-265.5	1.00	-1.00	0.00
4,000.0	2.82	109.87	3,981.7	-97.7	270.5	-271.0	1.00	-1.00	0.00
4,100.0	1.82	109.87	4,081.6	-99.1	274.3	-274.8	1.00	-1.00	0.00
4,200.0	0.82	109.87	4,181.6	-99.9	276.4	-277.0	1.00	-1.00	0.00
4,281.6	0.00	0.00	4,263.2	-100.1	277.0	-277.5	1.00	-1.00	0.00
4,300.0	0.00	0.00	4,281.6	-100.1	277.0	-277.5	0.00	0.00	0.00
4,400.0	0.00	0.00	4,381.6	-100.1	277.0	-277.5	0.00	0.00	0.00
4,423.8	0.00	0.00	4,405.4	-100.1	277.0	-277.5	0.00	0.00	0.00
Start 3274.0 hold at 4423.8 MD									
4,500.0	0.00	0.00	4,481.6	-100.1	277.0	-277.5	0.00	0.00	0.00
4,600.0	0.00	0.00	4,581.6	-100.1	277.0	-277.5	0.00	0.00	0.00
4,700.0	0.00	0.00	4,681.6	-100.1	277.0	-277.5	0.00	0.00	0.00
4,800.0	0.00	0.00	4,781.6	-100.1	277.0	-277.5	0.00	0.00	0.00
4,815.3	0.00	0.00	4,796.9	-100.1	277.0	-277.5	0.00	0.00	0.00
Brushy Canyon									
4,900.0	0.00	0.00	4,881.6	-100.1	277.0	-277.5	0.00	0.00	0.00
5,000.0	0.00	0.00	4,981.6	-100.1	277.0	-277.5	0.00	0.00	0.00
5,100.0	0.00	0.00	5,081.6	-100.1	277.0	-277.5	0.00	0.00	0.00
5,200.0	0.00	0.00	5,181.6	-100.1	277.0	-277.5	0.00	0.00	0.00
5,300.0	0.00	0.00	5,281.6	-100.1	277.0	-277.5	0.00	0.00	0.00
5,400.0	0.00	0.00	5,381.6	-100.1	277.0	-277.5	0.00	0.00	0.00
5,500.0	0.00	0.00	5,481.6	-100.1	277.0	-277.5	0.00	0.00	0.00
5,600.0	0.00	0.00	5,581.6	-100.1	277.0	-277.5	0.00	0.00	0.00
5,700.0	0.00	0.00	5,681.6	-100.1	277.0	-277.5	0.00	0.00	0.00
5,800.0	0.00	0.00	5,781.6	-100.1	277.0	-277.5	0.00	0.00	0.00
5,900.0	0.00	0.00	5,881.6	-100.1	277.0	-277.5	0.00	0.00	0.00
6,000.0	0.00	0.00	5,981.6	-100.1	277.0	-277.5	0.00	0.00	0.00
6,100.0	0.00	0.00	6,081.6	-100.1	277.0	-277.5	0.00	0.00	0.00
6,200.0	0.00	0.00	6,181.6	-100.1	277.0	-277.5	0.00	0.00	0.00
6,300.0	0.00	0.00	6,281.6	-100.1	277.0	-277.5	0.00	0.00	0.00
6,371.3	0.00	0.00	6,352.9	-100.1	277.0	-277.5	0.00	0.00	0.00
Bone Spring Lime									
6,400.0	0.00	0.00	6,381.6	-100.1	277.0	-277.5	0.00	0.00	0.00
6,500.0	0.00	0.00	6,481.6	-100.1	277.0	-277.5	0.00	0.00	0.00
6,600.0	0.00	0.00	6,581.6	-100.1	277.0	-277.5	0.00	0.00	0.00
6,700.0	0.00	0.00	6,681.6	-100.1	277.0	-277.5	0.00	0.00	0.00
6,800.0	0.00	0.00	6,781.6	-100.1	277.0	-277.5	0.00	0.00	0.00
6,900.0	0.00	0.00	6,881.6	-100.1	277.0	-277.5	0.00	0.00	0.00
7,000.0	0.00	0.00	6,981.6	-100.1	277.0	-277.5	0.00	0.00	0.00
7,100.0	0.00	0.00	7,081.6	-100.1	277.0	-277.5	0.00	0.00	0.00
7,200.0	0.00	0.00	7,181.6	-100.1	277.0	-277.5	0.00	0.00	0.00
7,298.3	0.00	0.00	7,279.9	-100.1	277.0	-277.5	0.00	0.00	0.00
First Bone Spring Sand									
7,300.0	0.00	0.00	7,281.6	-100.1	277.0	-277.5	0.00	0.00	0.00
7,400.0	0.00	0.00	7,381.6	-100.1	277.0	-277.5	0.00	0.00	0.00
7,500.0	0.00	0.00	7,481.6	-100.1	277.0	-277.5	0.00	0.00	0.00
7,548.3	0.00	0.00	7,529.9	-100.1	277.0	-277.5	0.00	0.00	0.00
Second Bone Spring Carbonate									
7,600.0	0.00	0.00	7,581.6	-100.1	277.0	-277.5	0.00	0.00	0.00
7,696.4	0.00	0.00	7,678.0	-100.1	277.0	-277.5	0.00	0.00	0.00
VP - Ken Wilson #122H									
7,697.8	0.14	274.68	7,679.4	-100.1	277.0	-277.5	10.00	10.00	0.00
Start Build 10.00									

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Ken Wilson #122H
Company:	Matador Production Company	TVD Reference:	KB @ 2994.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 2994.5usft
Site:	Ken Wilson	North Reference:	Grid
Well:	Ken Wilson #122H	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)
7,700.0	0.36	274.68	7,681.6	-100.1	277.0	-277.5	10.00	10.00	0.00
7,800.0	10.36	274.68	7,781.0	-99.3	267.7	-268.2	10.00	10.00	0.00
7,900.0	20.36	274.68	7,877.3	-97.2	241.3	-241.8	10.00	10.00	0.00
8,000.0	30.36	274.68	7,967.6	-93.7	198.7	-199.2	10.00	10.00	0.00
8,087.8	39.13	274.68	8,039.6	-89.6	148.9	-149.4	10.00	10.00	0.00
Second Bone Spring Sand									
8,100.0	40.36	274.68	8,049.0	-89.0	141.1	-141.6	10.00	10.00	0.00
8,200.0	50.36	274.68	8,119.2	-83.2	70.2	-70.7	10.00	10.00	0.00
8,300.0	60.36	274.68	8,176.0	-76.5	-11.7	11.2	10.00	10.00	0.00
8,367.3	67.09	274.68	8,205.8	-71.5	-71.8	71.4	10.00	10.00	0.00
SBSG B Target									
8,400.0	70.36	274.68	8,217.6	-69.1	-102.1	101.7	10.00	10.00	0.00
8,500.0	80.36	274.68	8,242.9	-61.2	-198.4	198.1	10.00	10.00	0.00
8,600.0	90.36	274.68	8,250.9	-53.0	-297.6	297.4	10.00	10.00	0.00
8,606.4	91.00	274.68	8,250.9	-52.5	-304.0	303.8	10.00	10.00	0.00
8,607.8	91.00	274.65	8,250.8	-52.4	-305.4	305.1	2.00	0.00	-2.00
Start DLS 2.00 TFO -89.98									
8,700.0	91.00	272.81	8,249.2	-46.4	-397.4	397.1	2.00	0.00	-2.00
8,800.0	91.00	270.81	8,247.5	-43.3	-497.3	497.1	2.00	0.00	-2.00
8,811.3	91.00	270.58	8,247.3	-43.1	-508.7	508.4	2.00	0.00	-2.00
8,812.7	91.00	270.58	8,247.3	-43.1	-510.0	509.8	0.00	0.00	0.00
Start 9839.4 hold at 8812.7 MD									
8,900.0	91.00	270.58	8,245.7	-42.2	-597.3	597.1	0.00	0.00	0.00
9,000.0	91.00	270.58	8,244.0	-41.2	-697.3	697.1	0.00	0.00	0.00
9,100.0	91.00	270.58	8,242.3	-40.2	-797.3	797.0	0.00	0.00	0.00
9,200.0	91.00	270.58	8,240.5	-39.2	-897.3	897.0	0.00	0.00	0.00
9,300.0	91.00	270.58	8,238.8	-38.2	-997.2	997.0	0.00	0.00	0.00
9,400.0	91.00	270.58	8,237.0	-37.1	-1,097.2	1,097.0	0.00	0.00	0.00
9,500.0	91.00	270.58	8,235.3	-36.1	-1,197.2	1,197.0	0.00	0.00	0.00
9,600.0	91.00	270.58	8,233.5	-35.1	-1,297.2	1,297.0	0.00	0.00	0.00
9,700.0	91.00	270.58	8,231.8	-34.1	-1,397.2	1,396.9	0.00	0.00	0.00
9,800.0	91.00	270.58	8,230.1	-33.1	-1,497.1	1,496.9	0.00	0.00	0.00
9,900.0	91.00	270.58	8,228.3	-32.1	-1,597.1	1,596.9	0.00	0.00	0.00
10,000.0	91.00	270.58	8,226.6	-31.1	-1,697.1	1,696.9	0.00	0.00	0.00
10,100.0	91.00	270.58	8,224.8	-30.0	-1,797.1	1,796.9	0.00	0.00	0.00
10,200.0	91.00	270.58	8,223.1	-29.0	-1,897.1	1,896.9	0.00	0.00	0.00
10,300.0	91.00	270.58	8,221.3	-28.0	-1,997.0	1,996.8	0.00	0.00	0.00
10,400.0	91.00	270.58	8,219.6	-27.0	-2,097.0	2,096.8	0.00	0.00	0.00
10,500.0	91.00	270.58	8,217.9	-26.0	-2,197.0	2,196.8	0.00	0.00	0.00
10,600.0	91.00	270.58	8,216.1	-25.0	-2,297.0	2,296.8	0.00	0.00	0.00
10,700.0	91.00	270.58	8,214.4	-24.0	-2,397.0	2,396.8	0.00	0.00	0.00
10,800.0	91.00	270.58	8,212.6	-22.9	-2,496.9	2,496.8	0.00	0.00	0.00
10,900.0	91.00	270.58	8,210.9	-21.9	-2,596.9	2,596.8	0.00	0.00	0.00
11,000.0	91.00	270.58	8,209.1	-20.9	-2,696.9	2,696.7	0.00	0.00	0.00
11,100.0	91.00	270.58	8,207.4	-19.9	-2,796.9	2,796.7	0.00	0.00	0.00
11,200.0	91.00	270.58	8,205.7	-18.9	-2,896.8	2,896.7	0.00	0.00	0.00
11,300.0	91.00	270.58	8,203.9	-17.9	-2,996.8	2,996.7	0.00	0.00	0.00
11,400.0	91.00	270.58	8,202.2	-16.9	-3,096.8	3,096.7	0.00	0.00	0.00
11,500.0	91.00	270.58	8,200.4	-15.8	-3,196.8	3,196.7	0.00	0.00	0.00
11,600.0	91.00	270.58	8,198.7	-14.8	-3,296.8	3,296.6	0.00	0.00	0.00
11,700.0	91.00	270.58	8,196.9	-13.8	-3,396.7	3,396.6	0.00	0.00	0.00
11,800.0	91.00	270.58	8,195.2	-12.8	-3,496.7	3,496.6	0.00	0.00	0.00
11,900.0	91.00	270.58	8,193.5	-11.8	-3,596.7	3,596.6	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Ken Wilson #122H
Company:	Matador Production Company	TVD Reference:	KB @ 2994.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 2994.5usft
Site:	Ken Wilson	North Reference:	Grid
Well:	Ken Wilson #122H	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)	
12,000.0	91.00	270.58	8,191.7	-10.8	-3,696.7	3,696.6	0.00	0.00	0.00	
12,100.0	91.00	270.58	8,190.0	-9.8	-3,796.7	3,796.6	0.00	0.00	0.00	
12,200.0	91.00	270.58	8,188.2	-8.7	-3,896.6	3,896.5	0.00	0.00	0.00	
12,300.0	91.00	270.58	8,186.5	-7.7	-3,996.6	3,996.5	0.00	0.00	0.00	
12,400.0	91.00	270.58	8,184.7	-6.7	-4,096.6	4,096.5	0.00	0.00	0.00	
12,500.0	91.00	270.58	8,183.0	-5.7	-4,196.6	4,196.5	0.00	0.00	0.00	
12,600.0	91.00	270.58	8,181.3	-4.7	-4,296.6	4,296.5	0.00	0.00	0.00	
12,700.0	91.00	270.58	8,179.5	-3.7	-4,396.5	4,396.5	0.00	0.00	0.00	
12,800.0	91.00	270.58	8,177.8	-2.7	-4,496.5	4,496.4	0.00	0.00	0.00	
12,900.0	91.00	270.58	8,176.0	-1.6	-4,596.5	4,596.4	0.00	0.00	0.00	
13,000.0	91.00	270.58	8,174.3	-0.6	-4,696.5	4,696.4	0.00	0.00	0.00	
13,100.0	91.00	270.58	8,172.5	0.4	-4,796.5	4,796.4	0.00	0.00	0.00	
13,200.0	91.00	270.58	8,170.8	1.4	-4,896.4	4,896.4	0.00	0.00	0.00	
13,300.0	91.00	270.58	8,169.1	2.4	-4,996.4	4,996.4	0.00	0.00	0.00	
13,400.0	91.00	270.58	8,167.3	3.4	-5,096.4	5,096.3	0.00	0.00	0.00	
13,500.0	91.00	270.58	8,165.6	4.4	-5,196.4	5,196.3	0.00	0.00	0.00	
13,600.0	91.00	270.58	8,163.8	5.5	-5,296.4	5,296.3	0.00	0.00	0.00	
13,700.0	91.00	270.58	8,162.1	6.5	-5,396.3	5,396.3	0.00	0.00	0.00	
13,800.0	91.00	270.58	8,160.3	7.5	-5,496.3	5,496.3	0.00	0.00	0.00	
13,900.0	91.00	270.58	8,158.6	8.5	-5,596.3	5,596.3	0.00	0.00	0.00	
14,000.0	91.00	270.58	8,156.9	9.5	-5,696.3	5,696.2	0.00	0.00	0.00	
14,100.0	91.00	270.58	8,155.1	10.5	-5,796.3	5,796.2	0.00	0.00	0.00	
14,200.0	91.00	270.58	8,153.4	11.5	-5,896.2	5,896.2	0.00	0.00	0.00	
14,300.0	91.00	270.58	8,151.6	12.6	-5,996.2	5,996.2	0.00	0.00	0.00	
14,400.0	91.00	270.58	8,149.9	13.6	-6,096.2	6,096.2	0.00	0.00	0.00	
14,500.0	91.00	270.58	8,148.1	14.6	-6,196.2	6,196.2	0.00	0.00	0.00	
14,600.0	91.00	270.58	8,146.4	15.6	-6,296.2	6,296.1	0.00	0.00	0.00	
14,700.0	91.00	270.58	8,144.7	16.6	-6,396.1	6,396.1	0.00	0.00	0.00	
14,800.0	91.00	270.58	8,142.9	17.6	-6,496.1	6,496.1	0.00	0.00	0.00	
14,900.0	91.00	270.58	8,141.2	18.6	-6,596.1	6,596.1	0.00	0.00	0.00	
15,000.0	91.00	270.58	8,139.4	19.7	-6,696.1	6,696.1	0.00	0.00	0.00	
15,100.0	91.00	270.58	8,137.7	20.7	-6,796.1	6,796.1	0.00	0.00	0.00	
15,200.0	91.00	270.58	8,135.9	21.7	-6,896.0	6,896.1	0.00	0.00	0.00	
15,300.0	91.00	270.58	8,134.2	22.7	-6,996.0	6,996.0	0.00	0.00	0.00	
15,400.0	91.00	270.58	8,132.5	23.7	-7,096.0	7,096.0	0.00	0.00	0.00	
15,500.0	91.00	270.58	8,130.7	24.7	-7,196.0	7,196.0	0.00	0.00	0.00	
15,600.0	91.00	270.58	8,129.0	25.7	-7,296.0	7,296.0	0.00	0.00	0.00	
15,700.0	91.00	270.58	8,127.2	26.8	-7,395.9	7,396.0	0.00	0.00	0.00	
15,800.0	91.00	270.58	8,125.5	27.8	-7,495.9	7,496.0	0.00	0.00	0.00	
15,900.0	91.00	270.58	8,123.7	28.8	-7,595.9	7,595.9	0.00	0.00	0.00	
16,000.0	91.00	270.58	8,122.0	29.8	-7,695.9	7,695.9	0.00	0.00	0.00	
16,100.0	91.00	270.58	8,120.3	30.8	-7,795.9	7,795.9	0.00	0.00	0.00	
16,200.0	91.00	270.58	8,118.5	31.8	-7,895.8	7,895.9	0.00	0.00	0.00	
16,300.0	91.00	270.58	8,116.8	32.8	-7,995.8	7,995.9	0.00	0.00	0.00	
16,400.0	91.00	270.58	8,115.0	33.9	-8,095.8	8,095.9	0.00	0.00	0.00	
16,500.0	91.00	270.58	8,113.3	34.9	-8,195.8	8,195.8	0.00	0.00	0.00	
16,600.0	91.00	270.58	8,111.5	35.9	-8,295.8	8,295.8	0.00	0.00	0.00	
16,700.0	91.00	270.58	8,109.8	36.9	-8,395.7	8,395.8	0.00	0.00	0.00	
16,800.0	91.00	270.58	8,108.1	37.9	-8,495.7	8,495.8	0.00	0.00	0.00	
16,900.0	91.00	270.58	8,106.3	38.9	-8,595.7	8,595.8	0.00	0.00	0.00	
17,000.0	91.00	270.58	8,104.6	39.9	-8,695.7	8,695.8	0.00	0.00	0.00	
17,100.0	91.00	270.58	8,102.8	41.0	-8,795.6	8,795.7	0.00	0.00	0.00	
17,200.0	91.00	270.58	8,101.1	42.0	-8,895.6	8,895.7	0.00	0.00	0.00	
17,300.0	91.00	270.58	8,099.3	43.0	-8,995.6	8,995.7	0.00	0.00	0.00	

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Ken Wilson #122H
Company:	Matador Production Company	TVD Reference:	KB @ 2994.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 2994.5usft
Site:	Ken Wilson	North Reference:	Grid
Well:	Ken Wilson #122H	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)	
17,400.0	91.00	270.58	8,097.6	44.0	-9,095.6	9,095.7	0.00	0.00	0.00	
17,500.0	91.00	270.58	8,095.9	45.0	-9,195.6	9,195.7	0.00	0.00	0.00	
17,600.0	91.00	270.58	8,094.1	46.0	-9,295.5	9,295.7	0.00	0.00	0.00	
17,700.0	91.00	270.58	8,092.4	47.0	-9,395.5	9,395.6	0.00	0.00	0.00	
17,800.0	91.00	270.58	8,090.6	48.1	-9,495.5	9,495.6	0.00	0.00	0.00	
17,900.0	91.00	270.58	8,088.9	49.1	-9,595.5	9,595.6	0.00	0.00	0.00	
18,000.0	91.00	270.58	8,087.1	50.1	-9,695.5	9,695.6	0.00	0.00	0.00	
18,100.0	91.00	270.58	8,085.4	51.1	-9,795.4	9,795.6	0.00	0.00	0.00	
18,200.0	91.00	270.58	8,083.7	52.1	-9,895.4	9,895.6	0.00	0.00	0.00	
18,300.0	91.00	270.58	8,081.9	53.1	-9,995.4	9,995.5	0.00	0.00	0.00	
18,400.0	91.00	270.58	8,080.2	54.1	-10,095.4	10,095.5	0.00	0.00	0.00	
18,500.0	91.00	270.58	8,078.4	55.2	-10,195.4	10,195.5	0.00	0.00	0.00	
18,600.0	91.00	270.58	8,076.7	56.2	-10,295.3	10,295.5	0.00	0.00	0.00	
18,650.8	91.00	270.58	8,075.8	56.7	-10,346.1	10,346.3	0.00	0.00	0.00	
BHL - Ken Wilson #122H										

Design Targets										
Target Name										
- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
VP - Ken Wilson #122	0.00	0.01	7,678.0	-100.1	277.0	443,620.05	587,910.22	32° 13' 9.512 N	104° 2' 56.648 W	
- plan hits target center										
- Point										
BHL - Ken Wilson #12	0.00	0.00	8,075.8	56.7	-10,346.1	443,776.81	577,286.84	32° 13' 11.325 N	104° 5' 0.308 W	
- plan hits target center										
- Point										

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
250.0	250.0	Rustler		-1.00	270.58	
2,648.7	2,641.0	Lamar		-1.00	270.58	
2,701.4	2,693.1	Bell Canyon		-1.00	270.58	
3,610.1	3,593.2	Cherry Canyon		-1.00	270.58	
4,815.3	4,796.9	Brushy Canyon		-1.00	270.58	
6,371.3	6,352.9	Bone Spring Lime		-1.00	270.58	
7,298.3	7,279.9	First Bone Spring Sand		-1.00	270.58	
7,548.3	7,529.9	Second Bone Spring Carbonate		-1.00	270.58	
8,087.8	8,039.6	Second Bone Spring Sand		-1.00	270.58	
8,367.3	8,205.8	SBSG B Target		-1.00	270.58	

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Ken Wilson #122H
Company:	Matador Production Company	TVD Reference:	KB @ 2994.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 2994.5usft
Site:	Ken Wilson	North Reference:	Grid
Well:	Ken Wilson #122H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,500.0	1,500.0	0.0	0.0	Start Build 1.50
2,033.3	2,031.6	-12.6	35.0	Start 1590.4 hold at 2033.3 MD
3,623.8	3,606.8	-87.3	241.5	Start Drop -1.00
4,423.8	4,405.4	-100.1	277.0	Start 3274.0 hold at 4423.8 MD
7,697.8	7,679.4	-100.1	277.0	Start Build 10.00
8,607.8	8,250.8	-52.4	-305.4	Start DLS 2.00 TFO -89.98
8,812.7	8,247.3	-43.1	-510.0	Start 9839.4 hold at 8812.7 MD
18,652.2				TD at 18652.2

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District IV
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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

COMMENTS

Action 64634

COMMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 64634
	Action Type: [C-103] NOI Change of Plans (C-103A)

COMMENTS

Created By	Comment	Comment Date
kpickford	KP GEO review 12/2/2021	12/2/2021

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Action 64634

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Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 64634
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CONDITIONS

Created By	Condition	Condition Date
jagarcia	None	12/2/2021