

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. 30-015-48645
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name GEORGE 14 15 24S 28E
8. Well Number 114H
9. OGRID Number 228937
10. Pool name or Wildcat MALAGA; BONE SPRING
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 2979

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 P : 356 feet from the SOUTH line and 255 feet from the EAST line
Section 14 Township 24S Range 28E NMPM County EDDY

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
DOWNHOLE COMMINGLE ☐	P AND A ☐
CLOSED-LOOP SYSTEM ☐	CASING/CEMENT JOB ☐
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 1562 FSL 190 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 10/05/2021

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 10/28/2021

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
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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 30-015-48645	² Pool Code 42780	³ Pool Name MALAGA; BONE SPRING
⁴ Property Code 331076	⁵ Property Name GEORGE 14 15 24S 28E	⁶ Well Number 114H
⁷ OGRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 2974'

¹⁰Surface Location

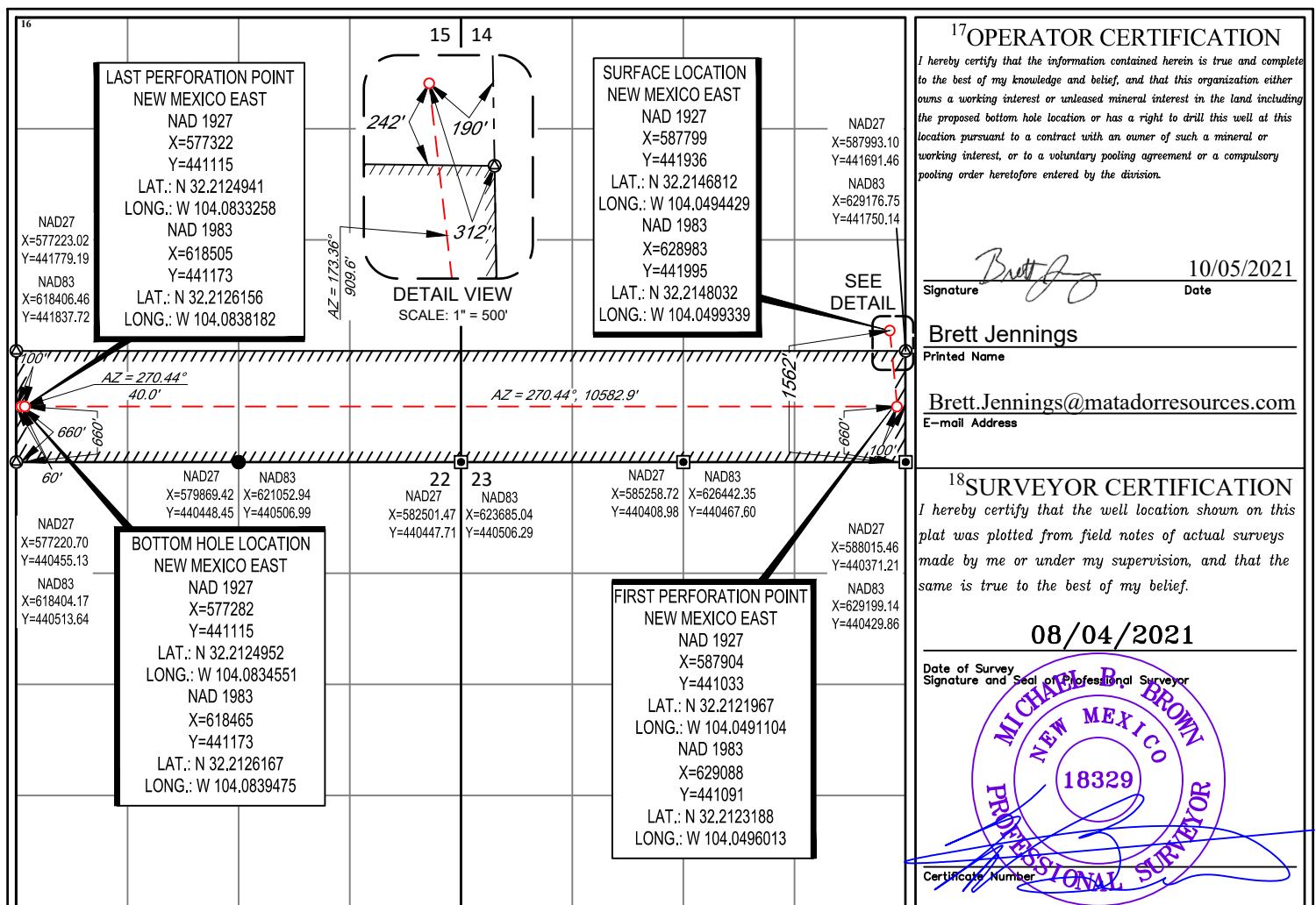
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	14	24-S	28-E	-	1562'	SOUTH	190'	EAST	EDDY

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
M	15	24-S	28-E	-	660'	SOUTH	60'	WEST	EDDY

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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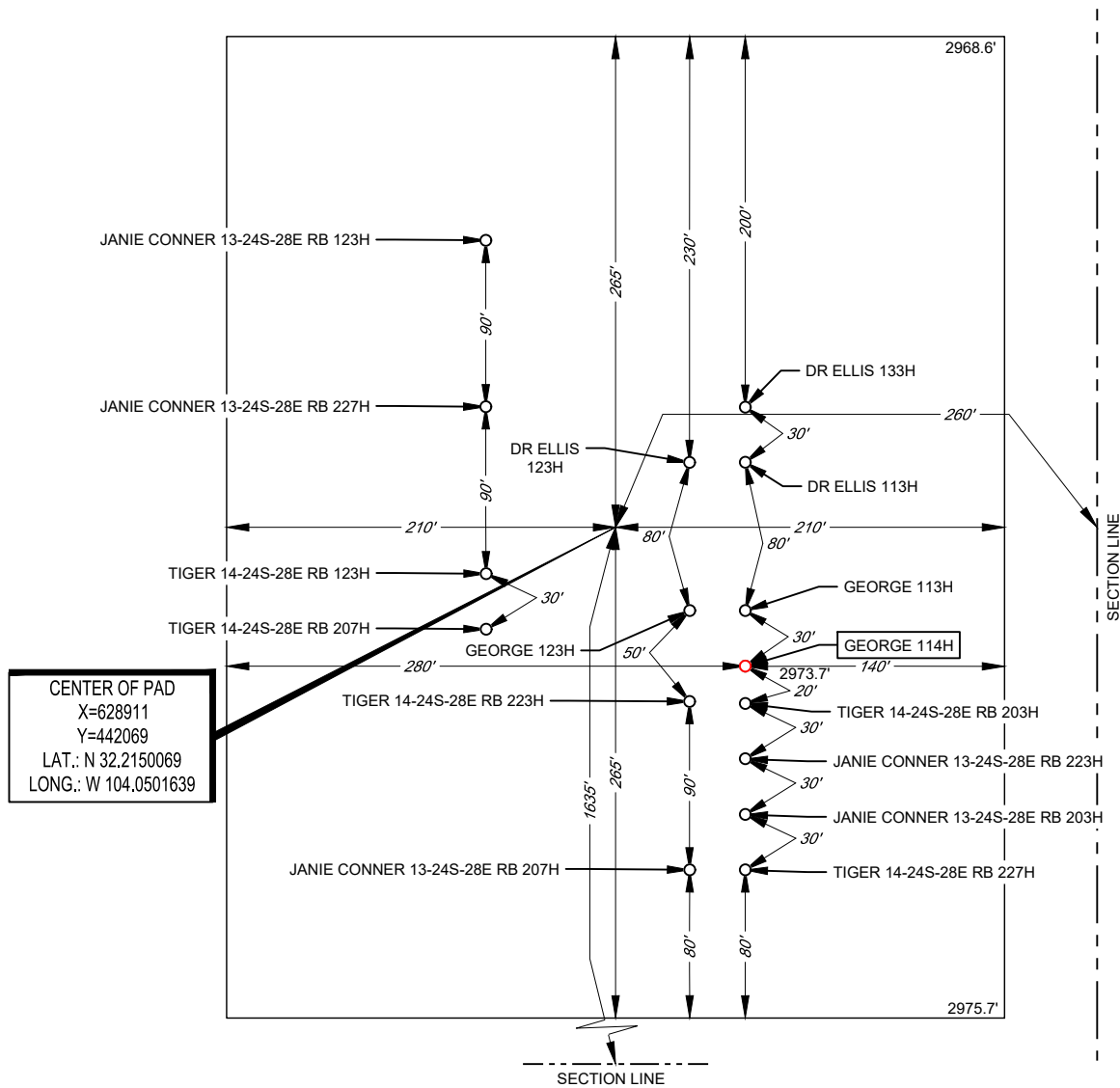
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



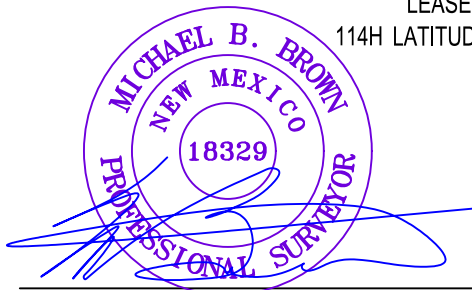


LEGEND

----- SECTION LINE

SECTION 14, TOWNSHIP 24-S, RANGE 28-E, N.M.P.M.
EDDY COUNTY, NEW MEXICODETAIL VIEW
SCALE: 1" = 100'LEASE NAME & WELL NO.: GEORGE 114H114H LATITUDE N 32.2148032 114H LONGITUDE W 104.0499339

CENTER OF PAD IS 1635' FSL & 260' FEL



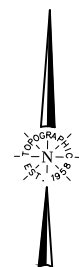
Michael B. Blake, P.S. No. 18329

August 19, 2021

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. ELEVATIONS USED ARE NAVD88, OBTAINED THROUGH AN OPUS SOLUTION.

THIS PROPOSED PAD SITE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. ONLY THE DATA SHOWN ABOVE IS BEING CERTIFIED TO. ALL OTHER INFORMATION WAS INTENTIONALLY OMITTED. THIS PLAT IS ONLY INTENDED TO BE USED FOR A PERMIT AND IS NOT A BOUNDARY SURVEY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ORIGINAL DOCUMENT SIZE: 8.5" X 11"



SCALE: 1" = 100'

0' 50' 100'



1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM



SURVEY PROGRAM

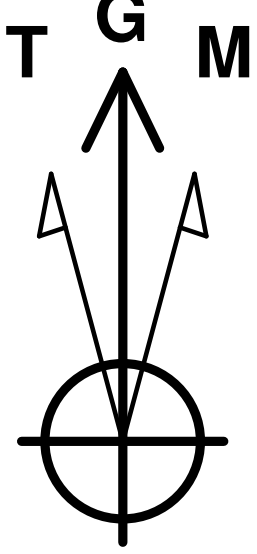
WELL DETAILS: George #114H

Depth From	Depth To	Survey/Plan	Tool	+N/-S	+E/-W	Northing	GL @ 2974.0	KB @ 3002.5usft	Latitude	Longitude	Slot
0.0	17822.6	State Plan #1 (Wellbore #1)	MWD	0.0	0.0	441936.29	587799.02	32° 12' 52.852 N	104° 2' 57.994 W		

Company: Matador Production Company
Well: George #114H
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 6.66°
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°

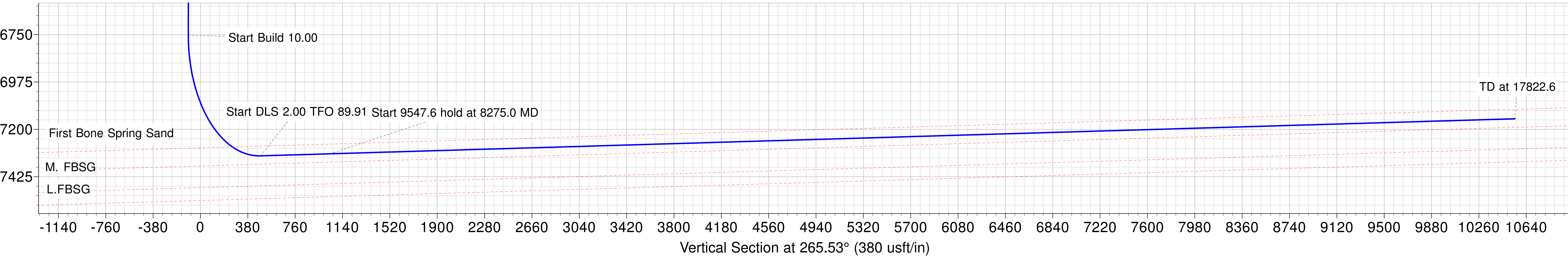
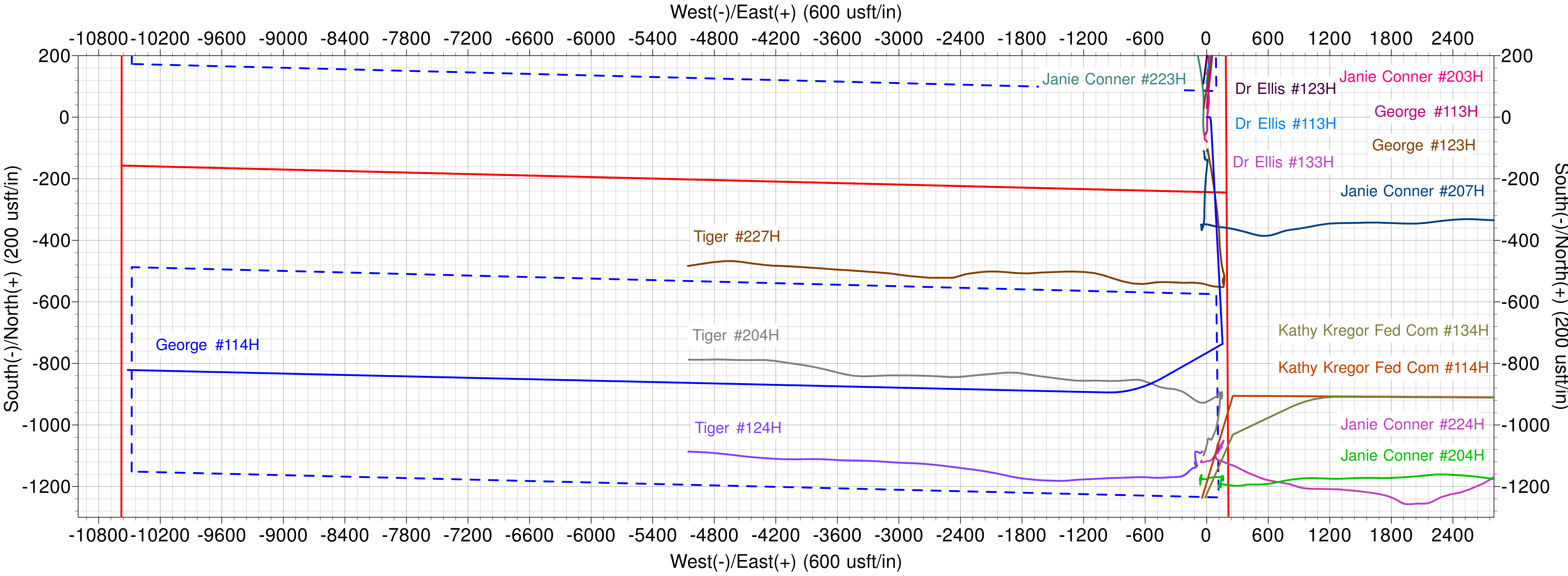
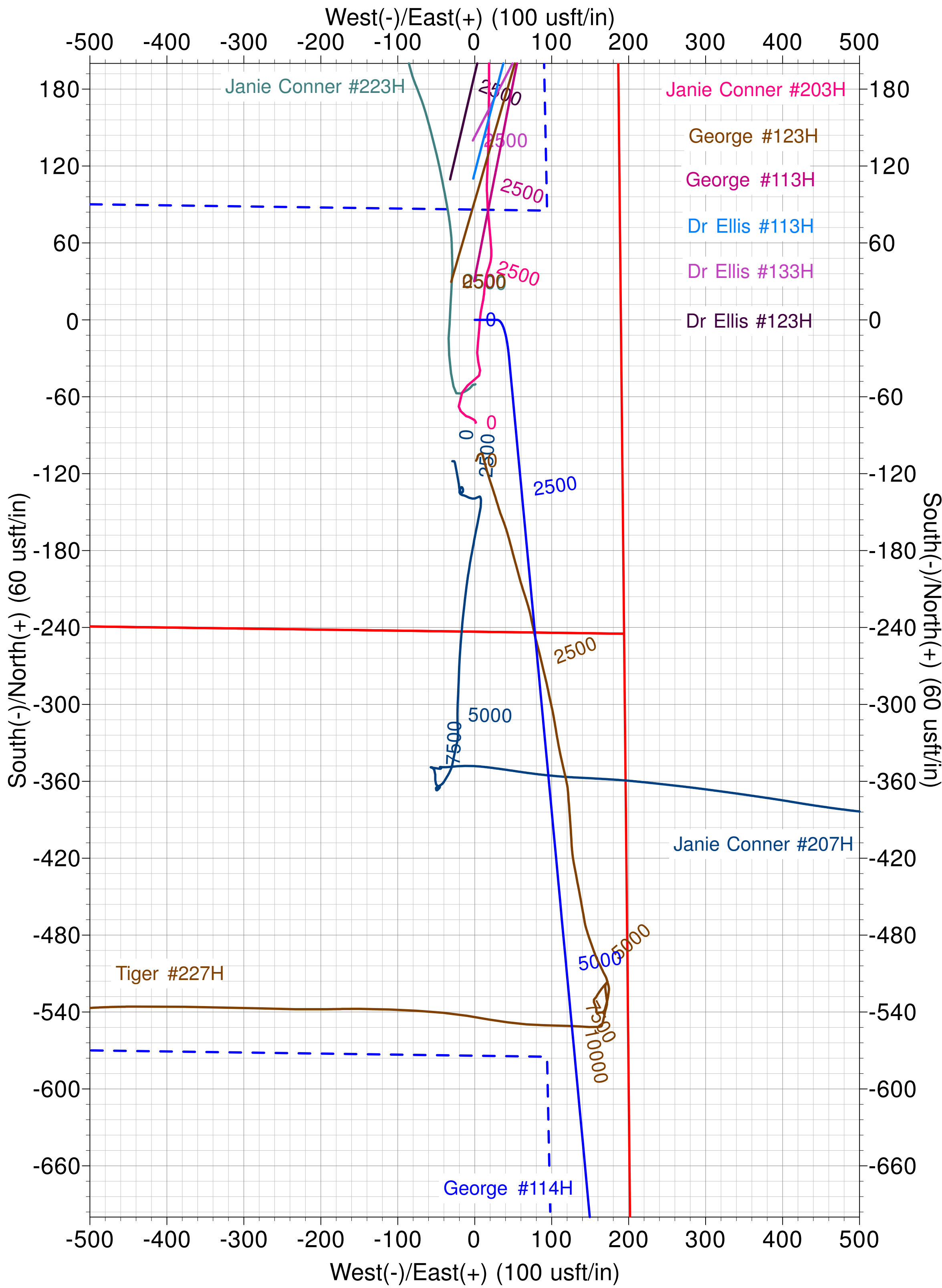
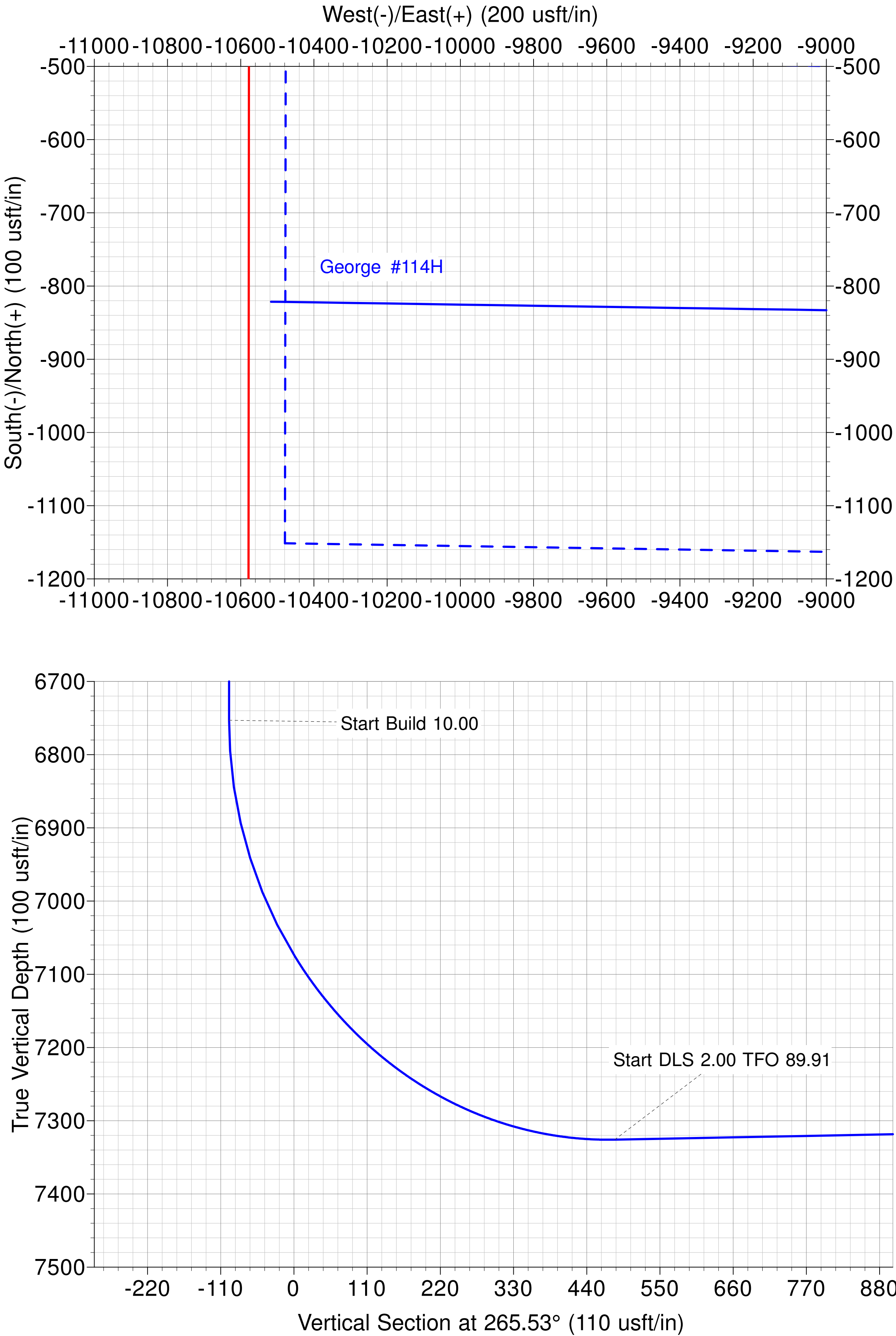
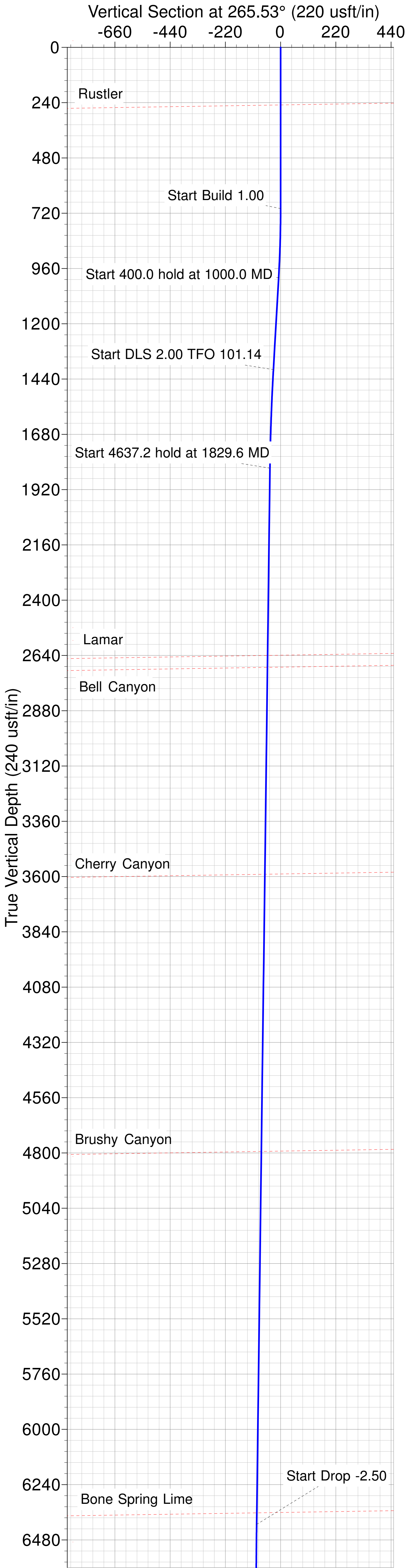
Magnetic Field
Strength: 47544.6snT
Dip Angle: 59.94°
Date: 10/12/2020
Model: IGRF2015

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
VP - George #114H	6753.0	-736.4	155.2	441200.00	587954.24	32° 12' 45.562 N	104° 2' 56.210 W
BHL - George #114H	7149.8	-821.3	-10517.1	441114.97	577281.86	32° 12' 44.983 N	104° 5' 0.438 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	
700.0	0.00	0.00	700.0	0.0	0.0	0.00	0.00	0.0	Start Build 1.00
1000.0	3.00	90.00	999.9	0.0	7.9	1.00	90.00	-7.8	Start 400.0 hold at 1000.0 MD
1400.0	3.00	90.00	1399.3	0.0	28.8	0.00	0.00	-28.7	Start DLS 2.00 TFO 101.14
1829.6	8.53	171.11	1827.1	-31.5	45.0	2.00	101.14	-42.4	Start 4637.2 hold at 1829.6 MD
6466.8	8.53	171.11	6413.0	-711.3	151.3	0.00	0.00	-95.5	Start Drop -2.50
6808.1	0.00	0.00	6753.0	-736.4	155.2	2.50	180.00	-97.4	Start Build 10.00
7718.1	91.00	259.30	7325.9	-844.6	-417.6	10.00	259.30	482.1	Start DLS 2.00 TFO 89.91
8275.0	91.00	270.44	7316.1	-894.3	-971.2	2.00	89.91	1037.9	Start 9547.6 hold at 8275.0 MD
17822.6	91.00	270.44	7149.8	-821.3	-10517.1	0.00	0.00	10549.1	TD at 17822.6



Matador Production Company

Rustler Breaks

George

George #114H

Wellbore #1

Plan: State Plan #1

Standard Planning Report

12 August, 2021

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well George #114H
Company:	Matador Production Company	TVD Reference:	KB @ 3002.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3002.5usft
Site:	George	North Reference:	Grid
Well:	George #114H	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		George			
Site Position: From:		Northing:	441,965.89 usft	Latitude:	32° 12' 53.146 N
	Lat/Long	Easting:	587,768.45 usft	Longitude:	104° 2' 58.349 W
	Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:

Well	George #114H					
Well Position	+N/-S	-29.6 usft	Northing:	441,936.29 usft	Latitude:	32° 12' 52.852 N
	+E/-W	30.6 usft	Easting:	587,799.02 usft	Longitude:	104° 2' 57.994 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	2,974.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/12/2020	6.82	59.94	47,544.61339903

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	265.53	

Plan Survey Tool Program	Date	8/12/2021			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	17,822.6	State Plan #1 (Wellbore #1)	MWD	
				OWSG MWD - Standard	

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well George #114H
Company:	Matador Production Company	TVD Reference:	KB @ 3002.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3002.5usft
Site:	George	North Reference:	Grid
Well:	George #114H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

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	
700.0	0.00	0.00	700.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,000.0	3.00	90.00	999.9	0.0	7.9	1.00	1.00	0.00	90.00	
1,400.0	3.00	90.00	1,399.3	0.0	28.8	0.00	0.00	0.00	0.00	
1,829.6	8.53	171.11	1,827.1	-31.5	45.0	2.00	1.29	18.88	101.14	
6,466.8	8.53	171.11	6,413.0	-711.3	151.3	0.00	0.00	0.00	0.00	
6,808.1	0.00	0.01	6,753.0	-736.4	155.2	2.50	-2.50	0.00	180.00	VP - George #114H
7,718.1	91.00	259.30	7,325.9	-844.6	-417.6	10.00	10.00	0.00	259.30	
8,275.0	91.00	270.44	7,316.1	-894.3	-971.2	2.00	0.00	2.00	89.91	
17,822.6	91.00	270.44	7,149.8	-821.3	-10,517.1	0.00	0.00	0.00	0.00	BHL - George #114

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well George #114H
Company:	Matador Production Company	TVD Reference:	KB @ 3002.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3002.5usft
Site:	George	North Reference:	Grid
Well:	George #114H	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
Start Build 1.00									
800.0	1.00	90.00	800.0	0.0	0.9	-0.9	1.00	1.00	0.00
900.0	2.00	90.00	900.0	0.0	3.5	-3.5	1.00	1.00	0.00
1,000.0	3.00	90.00	999.9	0.0	7.9	-7.8	1.00	1.00	0.00
Start 400.0 hold at 1000.0 MD									
1,100.0	3.00	90.00	1,099.7	0.0	13.1	-13.0	0.00	0.00	0.00
1,200.0	3.00	90.00	1,199.6	0.0	18.3	-18.3	0.00	0.00	0.00
1,300.0	3.00	90.00	1,299.5	0.0	23.6	-23.5	0.00	0.00	0.00
1,400.0	3.00	90.00	1,399.3	0.0	28.8	-28.7	0.00	0.00	0.00
Start DLS 2.00 TFO 101.14									
1,500.0	3.27	126.92	1,499.2	-1.7	33.7	-33.4	2.00	0.27	36.92
1,600.0	4.51	150.48	1,598.9	-6.8	37.9	-37.3	2.00	1.24	23.56
1,700.0	6.17	162.73	1,698.5	-15.4	41.4	-40.1	2.00	1.65	12.25
1,800.0	7.98	169.63	1,797.8	-27.4	44.3	-42.0	2.00	1.81	6.90
1,829.6	8.53	171.11	1,827.1	-31.5	45.0	-42.4	2.00	1.87	4.99
Start 4637.2 hold at 1829.6 MD									
1,900.0	8.53	171.11	1,896.7	-41.9	46.6	-43.2	0.00	0.00	0.00
2,000.0	8.53	171.11	1,995.6	-56.5	48.9	-44.3	0.00	0.00	0.00
2,100.0	8.53	171.11	2,094.5	-71.2	51.2	-45.5	0.00	0.00	0.00
2,200.0	8.53	171.11	2,193.3	-85.8	53.5	-46.6	0.00	0.00	0.00
2,300.0	8.53	171.11	2,292.2	-100.5	55.8	-47.8	0.00	0.00	0.00
2,400.0	8.53	171.11	2,391.1	-115.2	58.1	-48.9	0.00	0.00	0.00
2,500.0	8.53	171.11	2,490.0	-129.8	60.4	-50.1	0.00	0.00	0.00
2,600.0	8.53	171.11	2,588.9	-144.5	62.6	-51.2	0.00	0.00	0.00
2,651.8	8.53	171.11	2,640.1	-152.1	63.8	-51.8	0.00	0.00	0.00
Lamar									
2,700.0	8.53	171.11	2,687.8	-159.1	64.9	-52.4	0.00	0.00	0.00
2,704.4	8.53	171.11	2,692.2	-159.8	65.0	-52.4	0.00	0.00	0.00
Bell Canyon									
2,800.0	8.53	171.11	2,786.7	-173.8	67.2	-53.5	0.00	0.00	0.00
2,900.0	8.53	171.11	2,885.6	-188.5	69.5	-54.6	0.00	0.00	0.00
3,000.0	8.53	171.11	2,984.5	-203.1	71.8	-55.8	0.00	0.00	0.00
3,100.0	8.53	171.11	3,083.4	-217.8	74.1	-56.9	0.00	0.00	0.00
3,200.0	8.53	171.11	3,182.3	-232.4	76.4	-58.1	0.00	0.00	0.00
3,300.0	8.53	171.11	3,281.2	-247.1	78.7	-59.2	0.00	0.00	0.00
3,400.0	8.53	171.11	3,380.1	-261.7	81.0	-60.4	0.00	0.00	0.00
3,500.0	8.53	171.11	3,479.0	-276.4	83.3	-61.5	0.00	0.00	0.00
3,600.0	8.53	171.11	3,577.9	-291.1	85.6	-62.7	0.00	0.00	0.00
3,612.8	8.53	171.11	3,590.5	-292.9	85.9	-62.8	0.00	0.00	0.00
Cherry Canyon									
3,700.0	8.53	171.11	3,676.7	-305.7	87.9	-63.8	0.00	0.00	0.00
3,800.0	8.53	171.11	3,775.6	-320.4	90.2	-64.9	0.00	0.00	0.00
3,900.0	8.53	171.11	3,874.5	-335.0	92.5	-66.1	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well George #114H
Company:	Matador Production Company	TVD Reference:	KB @ 3002.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3002.5usft
Site:	George	North Reference:	Grid
Well:	George #114H	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)
4,000.0	8.53	171.11	3,973.4	-349.7	94.8	-67.2	0.00	0.00	0.00
4,100.0	8.53	171.11	4,072.3	-364.4	97.0	-68.4	0.00	0.00	0.00
4,200.0	8.53	171.11	4,171.2	-379.0	99.3	-69.5	0.00	0.00	0.00
4,300.0	8.53	171.11	4,270.1	-393.7	101.6	-70.7	0.00	0.00	0.00
4,400.0	8.53	171.11	4,369.0	-408.3	103.9	-71.8	0.00	0.00	0.00
4,500.0	8.53	171.11	4,467.9	-423.0	106.2	-73.0	0.00	0.00	0.00
4,600.0	8.53	171.11	4,566.8	-437.6	108.5	-74.1	0.00	0.00	0.00
4,700.0	8.53	171.11	4,665.7	-452.3	110.8	-75.3	0.00	0.00	0.00
4,800.0	8.53	171.11	4,764.6	-467.0	113.1	-76.4	0.00	0.00	0.00
4,829.8	8.53	171.11	4,794.0	-471.3	113.8	-76.7	0.00	0.00	0.00
Brushy Canyon									
4,900.0	8.53	171.11	4,863.5	-481.6	115.4	-77.5	0.00	0.00	0.00
5,000.0	8.53	171.11	4,962.4	-496.3	117.7	-78.7	0.00	0.00	0.00
5,100.0	8.53	171.11	5,061.2	-510.9	120.0	-79.8	0.00	0.00	0.00
5,200.0	8.53	171.11	5,160.1	-525.6	122.3	-81.0	0.00	0.00	0.00
5,300.0	8.53	171.11	5,259.0	-540.3	124.6	-82.1	0.00	0.00	0.00
5,400.0	8.53	171.11	5,357.9	-554.9	126.9	-83.3	0.00	0.00	0.00
5,500.0	8.53	171.11	5,456.8	-569.6	129.1	-84.4	0.00	0.00	0.00
5,600.0	8.53	171.11	5,555.7	-584.2	131.4	-85.6	0.00	0.00	0.00
5,700.0	8.53	171.11	5,654.6	-598.9	133.7	-86.7	0.00	0.00	0.00
5,800.0	8.53	171.11	5,753.5	-613.6	136.0	-87.8	0.00	0.00	0.00
5,900.0	8.53	171.11	5,852.4	-628.2	138.3	-89.0	0.00	0.00	0.00
6,000.0	8.53	171.11	5,951.3	-642.9	140.6	-90.1	0.00	0.00	0.00
6,100.0	8.53	171.11	6,050.2	-657.5	142.9	-91.3	0.00	0.00	0.00
6,200.0	8.53	171.11	6,149.1	-672.2	145.2	-92.4	0.00	0.00	0.00
6,300.0	8.53	171.11	6,248.0	-686.8	147.5	-93.6	0.00	0.00	0.00
6,400.0	8.53	171.11	6,346.9	-701.5	149.8	-94.7	0.00	0.00	0.00
6,417.0	8.53	171.11	6,363.7	-704.0	150.2	-94.9	0.00	0.00	0.00
Bone Spring Lime									
6,466.8	8.53	171.11	6,413.0	-711.3	151.3	-95.5	0.00	0.00	0.00
Start Drop -2.50									
6,500.0	7.70	171.11	6,445.8	-715.9	152.0	-95.8	2.50	-2.50	0.00
6,600.0	5.20	171.11	6,545.1	-727.0	153.8	-96.7	2.50	-2.50	0.00
6,700.0	2.70	171.11	6,644.9	-733.8	154.8	-97.2	2.50	-2.50	0.00
6,800.0	0.20	171.11	6,744.9	-736.3	155.2	-97.4	2.50	-2.50	0.00
6,808.1	0.00	0.00	6,753.0	-736.4	155.2	-97.4	2.50	-2.50	0.00
Start Build 10.00 - VP - George #114H									
6,900.0	9.19	259.30	6,844.5	-737.7	148.0	-90.1	10.00	10.00	0.00
7,000.0	19.19	259.30	6,941.3	-742.3	124.0	-65.8	10.00	10.00	0.00
7,100.0	29.19	259.30	7,032.4	-749.9	83.8	-25.1	10.00	10.00	0.00
7,200.0	39.19	259.30	7,115.0	-760.3	28.6	30.7	10.00	10.00	0.00
7,300.0	49.19	259.30	7,186.6	-773.2	-39.8	99.9	10.00	10.00	0.00
7,400.0	59.19	259.30	7,245.1	-788.2	-119.4	180.4	10.00	10.00	0.00
7,489.3	68.11	259.30	7,284.7	-803.1	-197.9	259.8	10.00	10.00	0.00
First Bone Spring Sand									
7,500.0	69.19	259.30	7,288.6	-804.9	-207.7	269.7	10.00	10.00	0.00
7,600.0	79.19	259.30	7,315.8	-822.8	-302.1	365.3	10.00	10.00	0.00
7,700.0	89.19	259.30	7,325.9	-841.2	-399.8	464.0	10.00	10.00	0.00
7,718.1	91.00	259.30	7,325.9	-844.6	-417.6	482.1	10.00	10.00	0.00
Start DLS 2.00 TFO 89.91									
7,800.0	91.00	260.94	7,324.4	-858.6	-498.2	563.6	2.00	0.00	2.00
7,900.0	91.00	262.94	7,322.7	-872.7	-597.2	663.3	2.00	0.00	2.00
8,000.0	91.00	264.94	7,320.9	-883.2	-696.6	763.3	2.00	0.00	2.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well George #114H
Company:	Matador Production Company	TVD Reference:	KB @ 3002.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3002.5usft
Site:	George	North Reference:	Grid
Well:	George #114H	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)
8,100.0	91.00	266.94	7,319.2	-890.3	-796.4	863.3	2.00	0.00	2.00
8,200.0	91.00	268.94	7,317.4	-893.9	-896.3	963.1	2.00	0.00	2.00
8,275.0	91.00	270.44	7,316.1	-894.3	-971.2	1,037.9	2.00	0.00	2.00
Start 9547.6 hold at 8275.0 MD									
8,300.0	91.00	270.44	7,315.7	-894.1	-996.3	1,062.8	0.00	0.00	0.00
8,400.0	91.00	270.44	7,314.0	-893.4	-1,096.2	1,162.5	0.00	0.00	0.00
8,500.0	91.00	270.44	7,312.2	-892.6	-1,196.2	1,262.1	0.00	0.00	0.00
8,600.0	91.00	270.44	7,310.5	-891.8	-1,296.2	1,361.7	0.00	0.00	0.00
8,700.0	91.00	270.44	7,308.7	-891.1	-1,396.2	1,461.3	0.00	0.00	0.00
8,800.0	91.00	270.44	7,307.0	-890.3	-1,496.2	1,560.9	0.00	0.00	0.00
8,900.0	91.00	270.44	7,305.2	-889.5	-1,596.1	1,660.6	0.00	0.00	0.00
9,000.0	91.00	270.44	7,303.5	-888.8	-1,696.1	1,760.2	0.00	0.00	0.00
9,100.0	91.00	270.44	7,301.8	-888.0	-1,796.1	1,859.8	0.00	0.00	0.00
9,200.0	91.00	270.44	7,300.0	-887.2	-1,896.1	1,959.4	0.00	0.00	0.00
9,300.0	91.00	270.44	7,298.3	-886.5	-1,996.1	2,059.0	0.00	0.00	0.00
9,400.0	91.00	270.44	7,296.5	-885.7	-2,096.1	2,158.6	0.00	0.00	0.00
9,500.0	91.00	270.44	7,294.8	-884.9	-2,196.0	2,258.3	0.00	0.00	0.00
9,600.0	91.00	270.44	7,293.0	-884.2	-2,296.0	2,357.9	0.00	0.00	0.00
9,700.0	91.00	270.44	7,291.3	-883.4	-2,396.0	2,457.5	0.00	0.00	0.00
9,800.0	91.00	270.44	7,289.6	-882.7	-2,496.0	2,557.1	0.00	0.00	0.00
9,900.0	91.00	270.44	7,287.8	-881.9	-2,596.0	2,656.7	0.00	0.00	0.00
10,000.0	91.00	270.44	7,286.1	-881.1	-2,695.9	2,756.4	0.00	0.00	0.00
10,100.0	91.00	270.44	7,284.3	-880.4	-2,795.9	2,856.0	0.00	0.00	0.00
10,200.0	91.00	270.44	7,282.6	-879.6	-2,895.9	2,955.6	0.00	0.00	0.00
10,300.0	91.00	270.44	7,280.9	-878.8	-2,995.9	3,055.2	0.00	0.00	0.00
10,400.0	91.00	270.44	7,279.1	-878.1	-3,095.9	3,154.8	0.00	0.00	0.00
10,500.0	91.00	270.44	7,277.4	-877.3	-3,195.9	3,254.5	0.00	0.00	0.00
10,600.0	91.00	270.44	7,275.6	-876.5	-3,295.8	3,354.1	0.00	0.00	0.00
10,700.0	91.00	270.44	7,273.9	-875.8	-3,395.8	3,453.7	0.00	0.00	0.00
10,800.0	91.00	270.44	7,272.1	-875.0	-3,495.8	3,553.3	0.00	0.00	0.00
10,900.0	91.00	270.44	7,270.4	-874.2	-3,595.8	3,652.9	0.00	0.00	0.00
11,000.0	91.00	270.44	7,268.7	-873.5	-3,695.8	3,752.6	0.00	0.00	0.00
11,100.0	91.00	270.44	7,266.9	-872.7	-3,795.7	3,852.2	0.00	0.00	0.00
11,200.0	91.00	270.44	7,265.2	-871.9	-3,895.7	3,951.8	0.00	0.00	0.00
11,300.0	91.00	270.44	7,263.4	-871.2	-3,995.7	4,051.4	0.00	0.00	0.00
11,400.0	91.00	270.44	7,261.7	-870.4	-4,095.7	4,151.0	0.00	0.00	0.00
11,500.0	91.00	270.44	7,259.9	-869.7	-4,195.7	4,250.6	0.00	0.00	0.00
11,600.0	91.00	270.44	7,258.2	-868.9	-4,295.7	4,350.3	0.00	0.00	0.00
11,700.0	91.00	270.44	7,256.5	-868.1	-4,395.6	4,449.9	0.00	0.00	0.00
11,800.0	91.00	270.44	7,254.7	-867.4	-4,495.6	4,549.5	0.00	0.00	0.00
11,900.0	91.00	270.44	7,253.0	-866.6	-4,595.6	4,649.1	0.00	0.00	0.00
12,000.0	91.00	270.44	7,251.2	-865.8	-4,695.6	4,748.7	0.00	0.00	0.00
12,100.0	91.00	270.44	7,249.5	-865.1	-4,795.6	4,848.4	0.00	0.00	0.00
12,200.0	91.00	270.44	7,247.8	-864.3	-4,895.5	4,948.0	0.00	0.00	0.00
12,300.0	91.00	270.44	7,246.0	-863.5	-4,995.5	5,047.6	0.00	0.00	0.00
12,400.0	91.00	270.44	7,244.3	-862.8	-5,095.5	5,147.2	0.00	0.00	0.00
12,500.0	91.00	270.44	7,242.5	-862.0	-5,195.5	5,246.8	0.00	0.00	0.00
12,600.0	91.00	270.44	7,240.8	-861.2	-5,295.5	5,346.5	0.00	0.00	0.00
12,700.0	91.00	270.44	7,239.0	-860.5	-5,395.5	5,446.1	0.00	0.00	0.00
12,800.0	91.00	270.44	7,237.3	-859.7	-5,495.4	5,545.7	0.00	0.00	0.00
12,900.0	91.00	270.44	7,235.6	-859.0	-5,595.4	5,645.3	0.00	0.00	0.00
13,000.0	91.00	270.44	7,233.8	-858.2	-5,695.4	5,744.9	0.00	0.00	0.00
13,100.0	91.00	270.44	7,232.1	-857.4	-5,795.4	5,844.5	0.00	0.00	0.00
13,200.0	91.00	270.44	7,230.3	-856.7	-5,895.4	5,944.2	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well George #114H
Company:	Matador Production Company	TVD Reference:	KB @ 3002.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3002.5usft
Site:	George	North Reference:	Grid
Well:	George #114H	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)
13,300.0	91.00	270.44	7,228.6	-855.9	-5,995.3	6,043.8	0.00	0.00	0.00
13,400.0	91.00	270.44	7,226.8	-855.1	-6,095.3	6,143.4	0.00	0.00	0.00
13,500.0	91.00	270.44	7,225.1	-854.4	-6,195.3	6,243.0	0.00	0.00	0.00
13,600.0	91.00	270.44	7,223.4	-853.6	-6,295.3	6,342.6	0.00	0.00	0.00
13,700.0	91.00	270.44	7,221.6	-852.8	-6,395.3	6,442.3	0.00	0.00	0.00
13,800.0	91.00	270.44	7,219.9	-852.1	-6,495.3	6,541.9	0.00	0.00	0.00
13,900.0	91.00	270.44	7,218.1	-851.3	-6,595.2	6,641.5	0.00	0.00	0.00
14,000.0	91.00	270.44	7,216.4	-850.5	-6,695.2	6,741.1	0.00	0.00	0.00
14,100.0	91.00	270.44	7,214.7	-849.8	-6,795.2	6,840.7	0.00	0.00	0.00
14,200.0	91.00	270.44	7,212.9	-849.0	-6,895.2	6,940.4	0.00	0.00	0.00
14,300.0	91.00	270.44	7,211.2	-848.2	-6,995.2	7,040.0	0.00	0.00	0.00
14,400.0	91.00	270.44	7,209.4	-847.5	-7,095.1	7,139.6	0.00	0.00	0.00
14,500.0	91.00	270.44	7,207.7	-846.7	-7,195.1	7,239.2	0.00	0.00	0.00
14,600.0	91.00	270.44	7,205.9	-846.0	-7,295.1	7,338.8	0.00	0.00	0.00
14,700.0	91.00	270.44	7,204.2	-845.2	-7,395.1	7,438.5	0.00	0.00	0.00
14,800.0	91.00	270.44	7,202.5	-844.4	-7,495.1	7,538.1	0.00	0.00	0.00
14,900.0	91.00	270.44	7,200.7	-843.7	-7,595.1	7,637.7	0.00	0.00	0.00
15,000.0	91.00	270.44	7,199.0	-842.9	-7,695.0	7,737.3	0.00	0.00	0.00
15,100.0	91.00	270.44	7,197.2	-842.1	-7,795.0	7,836.9	0.00	0.00	0.00
15,200.0	91.00	270.44	7,195.5	-841.4	-7,895.0	7,936.5	0.00	0.00	0.00
15,300.0	91.00	270.44	7,193.7	-840.6	-7,995.0	8,036.2	0.00	0.00	0.00
15,400.0	91.00	270.44	7,192.0	-839.8	-8,095.0	8,135.8	0.00	0.00	0.00
15,500.0	91.00	270.44	7,190.3	-839.1	-8,194.9	8,235.4	0.00	0.00	0.00
15,600.0	91.00	270.44	7,188.5	-838.3	-8,294.9	8,335.0	0.00	0.00	0.00
15,700.0	91.00	270.44	7,186.8	-837.5	-8,394.9	8,434.6	0.00	0.00	0.00
15,800.0	91.00	270.44	7,185.0	-836.8	-8,494.9	8,534.3	0.00	0.00	0.00
15,900.0	91.00	270.44	7,183.3	-836.0	-8,594.9	8,633.9	0.00	0.00	0.00
16,000.0	91.00	270.44	7,181.6	-835.3	-8,694.9	8,733.5	0.00	0.00	0.00
16,100.0	91.00	270.44	7,179.8	-834.5	-8,794.8	8,833.1	0.00	0.00	0.00
16,200.0	91.00	270.44	7,178.1	-833.7	-8,894.8	8,932.7	0.00	0.00	0.00
16,300.0	91.00	270.44	7,176.3	-833.0	-8,994.8	9,032.4	0.00	0.00	0.00
16,400.0	91.00	270.44	7,174.6	-832.2	-9,094.8	9,132.0	0.00	0.00	0.00
16,500.0	91.00	270.44	7,172.8	-831.4	-9,194.8	9,231.6	0.00	0.00	0.00
16,600.0	91.00	270.44	7,171.1	-830.7	-9,294.8	9,331.2	0.00	0.00	0.00
16,700.0	91.00	270.44	7,169.4	-829.9	-9,394.7	9,430.8	0.00	0.00	0.00
16,800.0	91.00	270.44	7,167.6	-829.1	-9,494.7	9,530.4	0.00	0.00	0.00
16,900.0	91.00	270.44	7,165.9	-828.4	-9,594.7	9,630.1	0.00	0.00	0.00
17,000.0	91.00	270.44	7,164.1	-827.6	-9,694.7	9,729.7	0.00	0.00	0.00
17,100.0	91.00	270.44	7,162.4	-826.8	-9,794.7	9,829.3	0.00	0.00	0.00
17,200.0	91.00	270.44	7,160.6	-826.1	-9,894.6	9,928.9	0.00	0.00	0.00
17,300.0	91.00	270.44	7,158.9	-825.3	-9,994.6	10,028.5	0.00	0.00	0.00
17,400.0	91.00	270.44	7,157.2	-824.5	-10,094.6	10,128.2	0.00	0.00	0.00
17,500.0	91.00	270.44	7,155.4	-823.8	-10,194.6	10,227.8	0.00	0.00	0.00
17,600.0	91.00	270.44	7,153.7	-823.0	-10,294.6	10,327.4	0.00	0.00	0.00
17,700.0	91.00	270.44	7,151.9	-822.3	-10,394.6	10,427.0	0.00	0.00	0.00
17,800.0	91.00	270.44	7,150.2	-821.5	-10,494.5	10,526.6	0.00	0.00	0.00
17,822.6	91.00	270.44	7,149.8	-821.3	-10,517.1	10,549.1	0.00	0.00	0.00
TD at 17822.6 - BHL - George #114H									

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well George #114H
Company:	Matador Production Company	TVD Reference:	KB @ 3002.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3002.5usft
Site:	George	North Reference:	Grid
Well:	George #114H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
VP - George #114H - plan hits target center - Point	0.00	0.01	6,753.0	-736.4	155.2	441,200.00	587,954.24	32° 12' 45.562 N	104° 2' 56.210 W
BHL - George #114H - plan hits target center - Point	0.00	0.00	7,149.8	-821.3	-10,517.1	441,114.97	577,281.86	32° 12' 44.983 N	104° 5' 0.438 W

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(usft)	(usft)			(°)	(°)	
250.0	250.0	Rustler		-1.00	270.44	
2,651.8	2,640.1	Lamar		-1.00	270.44	
2,704.4	2,692.2	Bell Canyon		-1.00	270.44	
3,612.8	3,590.5	Cherry Canyon		-1.00	270.44	
4,829.8	4,794.0	Brushy Canyon		-1.00	270.44	
6,417.0	6,363.7	Bone Spring Lime		-1.00	270.44	
7,489.3	7,284.7	First Bone Spring Sand		-1.00	270.44	

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates			
(usft)	(usft)	+N/-S	+E/-W	Comment	
(usft)	(usft)	(usft)	(usft)		
700.0	700.0	0.0	0.0	Start Build 1.00	
1,000.0	999.9	0.0	7.9	Start 400.0 hold at 1000.0 MD	
1,400.0	1,399.3	0.0	28.8	Start DLS 2.00 TFO 101.14	
1,829.6	1,827.1	-31.5	45.0	Start 4637.2 hold at 1829.6 MD	
6,466.8	6,413.0	-711.3	151.3	Start Drop -2.50	
6,808.1	6,753.0	-736.4	155.2	Start Build 10.00	
7,718.1	7,325.9	-844.6	-417.6	Start DLS 2.00 TFO 89.91	
8,275.0	7,316.1	-894.3	-971.2	Start 9547.6 hold at 8275.0 MD	
17,822.6	7,149.8	-821.3	-10,517.1	TD at 17822.6	

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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 56129

COMMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 56129
	Action Type: [C-103] NOI Change of Plans (C-103A)

COMMENTS

Created By	Comment	Comment Date
kpickford	KP GEO Review 10/18/2021	10/18/2021

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CONDITIONS

Created By	Condition	Condition Date
kpickford	Adhere to previous NMOCD Conditions of Approval	10/18/2021