

Well Name: BLUE CHIP 14 FEDERAL COM	Well Location: T21S / R32E / SEC 11 / SESE / 32.4887737 / -103.6376871	County or Parish/State: LEA / NM
Well Number: 511H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM14155	Unit or CA Name:	Unit or CA Number:
US Well Number:	Operator: MATADOR PRODUCTION COMPANY	

Notice of Intent

Sundry ID: 2860375

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 06/26/2025

Time Sundry Submitted: 02:26

Date proposed operation will begin: 06/26/2025

Procedure Description: BLM Bond# NMB001079 and Surety Bond# RLB0015172 Matador requests to change the Blue Chip 14 Federal Com 511H BHL from 990' FEL to 1260' FEL.

NOI Attachments

Procedure Description

Blue_Chip_14_Fed_Com_511H_Casing_Table_Spec_20250626142509.pdf

Blue_Chip_14_Fed_Com_511H_Drill_Plan__2__20250626142338.pdf

LO_BLUE_CHIP_14_FED_COM_511H_REV6_S_signeddc_20250626142312.pdf

Well Name: BLUE CHIP 14 FEDERAL COM

Well Location: T21S / R32E / SEC 11 / SESE / 32.4887737 / -103.6376871

County or Parish/State: LEA / NM

Well Number: 511H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM14155

Unit or CA Name:

Unit or CA Number:

US Well Number:

Operator: MATADOR PRODUCTION COMPANY

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: DEBBIE CREED

Signed on: JUN 26, 2025 02:25 PM

Name: MATADOR PRODUCTION COMPANY

Title: BLM Tech

Street Address: 5400 LBJ FREEWAY

City: DALLAS

State: TX

Phone: (972) 371-5426

Email address: DEBBIE.CREED@MATADORRESOURCES.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: 07/14/2025

Signature: Chris Walls

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well

Oil Well Gas Well Other

8. Well Name and No.

2. Name of Operator

9. API Well No.

3a. Address

3b. Phone No. (include area code)

10. Field and Pool or Exploratory Area

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)

11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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.

(Instructions on page 2)

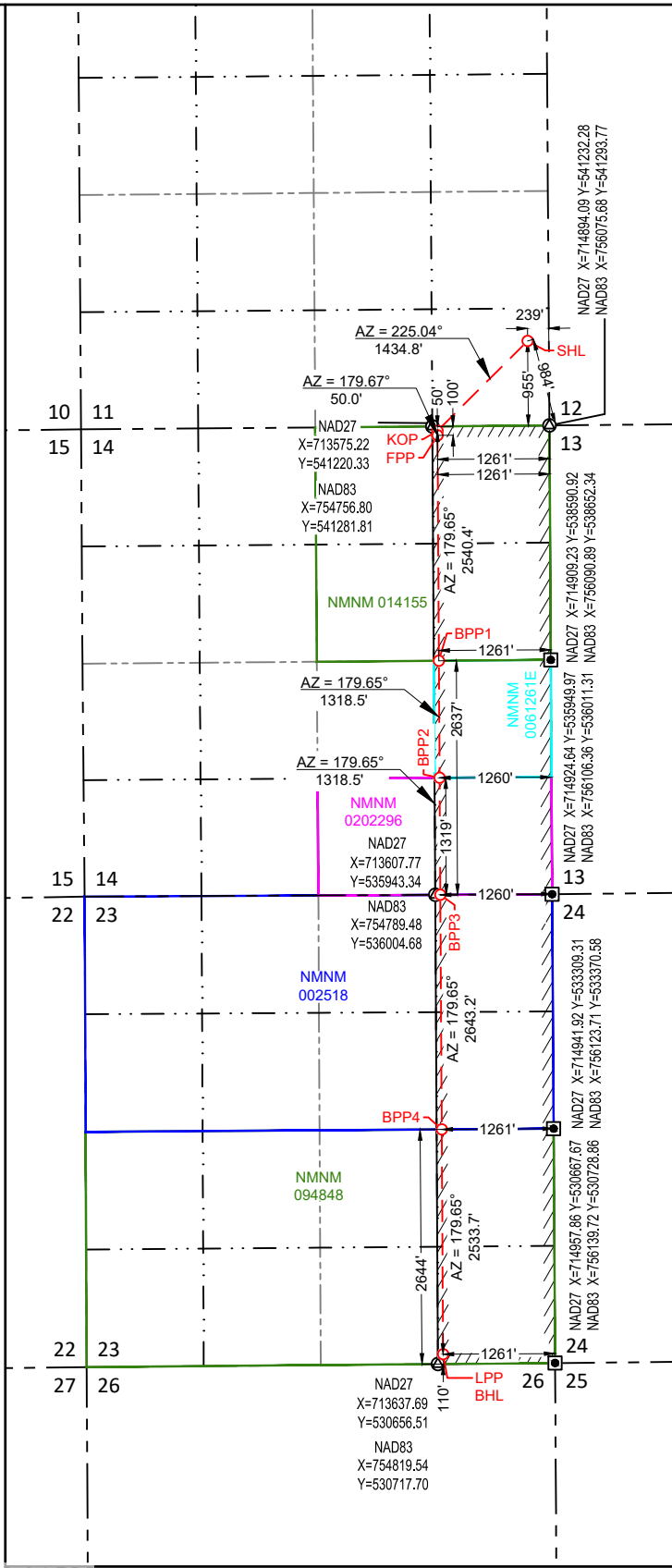
C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024
		Submittal Type: <input type="checkbox"/> Initial Submittal <input type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled
Property Name and Well Number BLUE CHIP 14 FED COM 511H		

SURFACE LOCATION (SHL)
 NEW MEXICO EAST
 NAD 1983
 X=755830 Y=542246
 LAT.: N 32.4887737
 LONG.: W 103.6376871
 NAD 1927
 X=714648 Y=542185
 LAT.: N 32.4886509
 LONG.: W 103.6371973
 955' FSL 239' FEL

KICK OFF POINT (KOP)
 NEW MEXICO EAST
 NAD 1983
 X=754815 Y=541232
 LAT.: N 32.4860054
 LONG.: W 103.6410013
 NAD 1927
 X=713633 Y=541171
 LAT.: N 32.4858827
 LONG.: W 103.6405115
 50' FNL 1261' FEL

FIRST PERF. POINT (FPP)
 NEW MEXICO EAST
 NAD 1983
 X=754815 Y=541182
 LAT.: N 32.4858680
 LONG.: W 103.6410014
 NAD 1927
 X=713633 Y=541121
 LAT.: N 32.4857453
 LONG.: W 103.6405117
 100' FNL 1261' FEL

BLM PERF. POINT (BPP1)
 NEW MEXICO EAST
 NAD 1983
 X=754830 Y=538642
 LAT.: N 32.4788853
 LONG.: W 103.6410049
 NAD 1927
 X=713649 Y=538581
 LAT.: N 32.4787625
 LONG.: W 103.6405154
 2637' FSL 1261' FEL



BLM PERF. POINT (BPP2)
 NEW MEXICO EAST
 NAD 1983
 X=754838 Y=537323
 LAT.: N 32.4752611
 LONG.: W 103.6410067
 NAD 1927
 X=713657 Y=537262
 LAT.: N 32.4751383
 LONG.: W 103.6405173
 1319' FSL 1260' FEL

BLM PERF. POINT (BPP3)
 NEW MEXICO EAST
 NAD 1983
 X=754846 Y=536005
 LAT.: N 32.4716369
 LONG.: W 103.6410085
 NAD 1927
 X=713665 Y=535944
 LAT.: N 32.4715141
 LONG.: W 103.6405193
 0' FSL 1260' FEL

BLM PERF. POINT (BPP4)
 NEW MEXICO EAST
 NAD 1983
 X=754862 Y=533362
 LAT.: N 32.4643717
 LONG.: W 103.6410122
 NAD 1927
 X=713681 Y=533301
 LAT.: N 32.4642489
 LONG.: W 103.6405232
 2644' FSL 1261' FEL

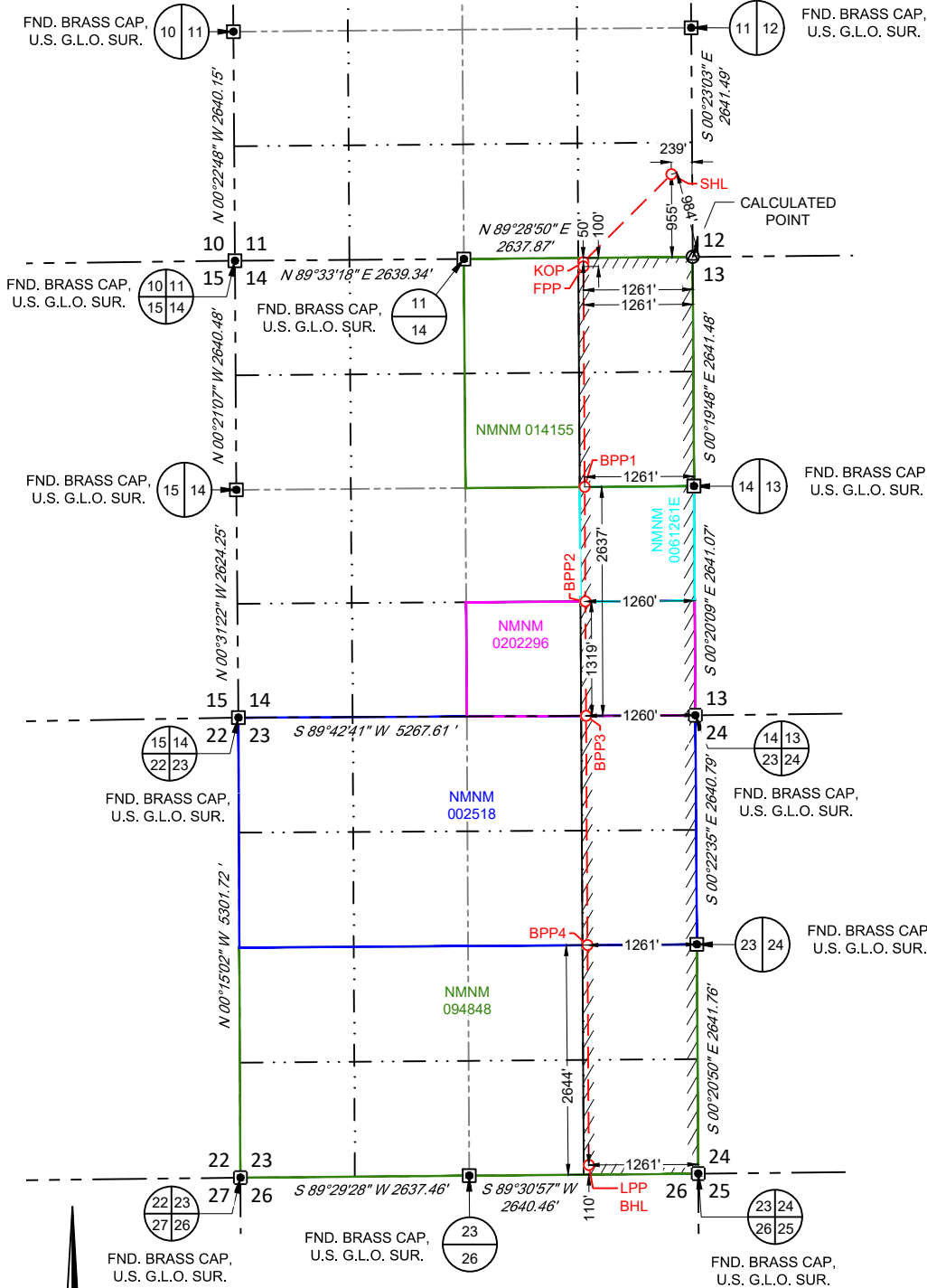
LAST TAKE POINT (LTP)
BOTTOM HOLE LOCATION (BHL)
 NEW MEXICO EAST
 NAD 1983
 X=754878 Y=530828
 LAT.: N 32.4574075
 LONG.: W 103.6410156
 NAD 1927
 X=713696 Y=530767
 LAT.: N 32.4572847
 LONG.: W 103.6405269
 110' FSL 1261' FEL

SURVEYORS 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.
 08/18/2023
 Date of Survey
 Signature and Seal of Professional Surveyor:





SECTION 11, TOWNSHIP 21-S, RANGE 32-E, N.M.P.M. LEA COUNTY, NEW MEXICO



SURFACE LOCATION (SHL)

NEW MEXICO EAST
NAD 1983
X=755830 Y=542246
LAT.: N 32.4887737
LONG.: W 103.6376871
955' FSL 239' FEL

KICK OFF POINT (KOP)

NEW MEXICO EAST
NAD 1983
X=754815 Y=541232
LAT.: N 32.4860054
LONG.: W 103.6410013
50' FNL 1261' FEL

FIRST PERF. POINT (FPP)

NEW MEXICO EAST
NAD 1983
X=754815 Y=541182
LAT.: N 32.4858680
LONG.: W 103.6410014
100' FNL 1261' FEL

BLM PERF. POINT (BPP1)

NEW MEXICO EAST
NAD 1983
X=754830 Y=538642
LAT.: N 32.4788853
LONG.: W 103.6410049
2637' FSL 1261' FEL

BLM PERF. POINT (BPP2)

NEW MEXICO EAST
NAD 1983
X=754838 Y=537323
LAT.: N 32.4752611
LONG.: W 103.6410067
1319' FSL 1260' FEL

BLM PERF. POINT (BPP3)

NEW MEXICO EAST
NAD 1983
X=754846 Y=536005
LAT.: N 32.4716369
LONG.: W 103.6410085
0' FSL 1260' FEL

BLM PERF. POINT (BPP4)

NEW MEXICO EAST
NAD 1983
X=754862 Y=533362
LAT.: N 32.4643717
LONG.: W 103.6410122
2644' FSL 1261' FEL

LAST TAKE POINT (LTP)

BOTTOM HOLE LOCATION (BHL)

NEW MEXICO EAST
NAD 1983
X=754878 Y=530828
LAT.: N 32.4574075
LONG.: W 103.6410156
110' FSL 1261' FEL



SCALE: 1" = 2000'
0' 1000' 2000'

LEASE NAME & WELL NO.: BLUE CHIP 14 FED COM 511H

SECTION 11 TWP 21-S RGE 32-E SURVEY N.M.P.M.
COUNTY LEA STATE NM
DESCRIPTION 955' FSL & 239' FEL

DISTANCE & DIRECTION
FROM INT. OF US-180 E/US-62 E & NM-176 E. GO SOUTHEAST ON NM-176 E
±6.4 MILES, THENCE SOUTH (RIGHT) ON A PROPOSED RD. ±2.7 MILES TO
A POINT ±529 FEET SOUTHWEST OF THE LOCATION.



Angel M. Baeza, P.S. No. 25116



481 WINSOTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126
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

Drill Plan

Blue Chip 14 Fed Com 511H
SHL: 955' FSL & 239' FEL Section 11
BHL: 110' FSL & 1261' FEL Section 23
Township/Range: 21S 32E
Elevation Above Sea Level: 3854

Sundry Request

Matador request the option to amend the well design of the Blue Chip 14 Fed Com #511H and make the following changes to the current APD:

- Change well BHL from 110' FSL & 990' FEL section 23 to 110' FSL & 1261' FEL section 23
- Option A: As permitted 5-String design. No changes from original permit.

Drilling Operation Plan

Proposed Drilling Depth: 23116' MD / 12860' TVD

Type of well: Horizontal well, no pilot hole

Permitted Well Type: Oil

Geologic Name of Surface Formation: Quaternary Deposits

KOP Lat/Long (NAD83): 32.4860054 N / -103.6410013 W

TD Lat/Long (NAD83): 32.4574075 N / -103.6410156 W

1. Estimated Tops

Formation	MD (ft)	TVD (ft)	Thickness	Lithology	Resource
Rustler	1,586	1,585	435	Anhydrite	Barren
Salado (Top of Salt)	2,022	2,020	1,268	Salt	Barren
Lamar (Base of Salt)	3,300	3,288	426	Salt	Barren
Capitan	3,730	3,714	1,350	Limestone	Barren
Bell Canyon	5,094	5,064	527	Sandstone	Oil/Natural Gas
Cherry Canyon	5,626	5,591	382	Sandstone	Oil/Natural Gas
Brushy Canyon	6,012	5,973	923	Sandstone	Oil/Natural Gas
Bone Spring Lime	6,944	6,896	1,992	Limestone	Oil/Natural Gas
Upper Avalon Shale	8,955	8,888	302	Shale	Oil/Natural Gas
Avalon Carb	9,260	9,190	228	Carbonate	Oil/Natural Gas
Lower Avalon Shale	9,490	9,418	229	Shale	Oil/Natural Gas
1st Bone Spring Carb	9,722	9,647	208	Carbonate	Oil/Natural Gas
1st Bone Spring Sand	9,932	9,855	274	Sandstone	Oil/Natural Gas
2nd Bone Spring Carb	10,208	10,129	296	Carbonate	Oil/Natural Gas
2nd Bone Spring Sand	10,507	10,425	534	Sandstone	Oil/Natural Gas
3rd Bone Spring Carb	11,046	10,959	438	Carbonate	Oil/Natural Gas
3rd Bone Spring Sand	11,489	11,397	254	Sandstone	Oil/Natural Gas
Wolfcamp A	11,745	11,651	99	Shale	Oil/Natural Gas
Wolfcamp B	11,845	11,750	745	Shale	Oil/Natural Gas
KOP	12,384	12,287	-	Shale	Oil/Natural Gas
Wolfcamp D	12,597	12,495	-	Shale	Oil/Natural Gas
TD	23,116	12,860	-	Shale	Oil/Natural Gas

2. Notable Zones

Drill Plan

Wolfcamp D is the goal. All perforations will be within the setback requirements as prescribed or permitted by the New Mexico Oil Conservation Division. OSE estimated ground water depth at this location is 420'.

3. Pressure Control

Equipment

Matador requests a variance for a 2M annular to be installed after running 20" casing.

A 18,000' 10,000-psi BOP stack consisting of 3 rams with 2 pipe rams, 1 blind ram, and one annular preventer will be utilized below surface casing to TD. See attachments for BOP and choke manifold diagrams.

An accumulator complying with Title 43 CFR 3172 requirements for the pressure rating of the BOP stack will be present. A rotating head will also be installed as needed.

Testing Procedure

BOP will be inspected and operated as required in Title 43 CFR 3172. Kelly cock and sub equipped with a full opening valve sized to fit the drill pipe and collars will be available on the rig floor in the open position.

A third party company will test the BOPs.

After setting surface casing, a minimum 10M BOPE system will be installed. Test pressures will be 250 psi low and 10,000 psi high with the annular preventer being tested to 250 psi low and 5000 psi high before drilling below surface shoe. In the event that the rig drills multiple wells on the pad and any seal subject to test pressures are broken, a full BOP test will be performed when the rig returns and the 10M BOPE system is re-installed.

Variance Request

Matador requests a variance to have the option of running a multi-bowl wellhead assembly for setting the Intermediate 1, Intermediate 2, Intermediate 3 and Production Strings. The BOPs will not be tested again unless any flanges are separated.

Matador requests a variance to drill this well using a co-flex line between the BOP and choke manifold. Certification for proposed co-flex hose is attached. The hose is not required by the manufacturer to be anchored. If the specific hose is not available, then one of equal or higher rating will be used.

Matador requests a variance to have the option of batch drilling this well with other wells on the same pad. In the event that this well is batch drilled, the wellbore will be secured with a blind flange of like pressure. When the rig returns to this well and BOPs are installed, the operator will perform a full BOP test.

Matador requests a variance to drill this well using a 5M annular preventer with a 10M BOP ram stack. The "Well Control Plan For 10M MASP Section of Wellbore" is attached.

Matador request the option to offline cement surface casing. The "Offline Cementing - Surface Casing" Procedure is attached for review. No changes in cement program are necessary.

Matador request the option to offline cement intermediate casing. The "Offline Cementing - Intermediate Casing" Procedure is attached for review. No changes in cement program are necessary.

Matador request the option to break test the BOP during batch drilling operations. The "Modified BOP Testing Procedure for Batch Drilling" Procedure is attached for review.

Matador request the option to utilize a spudder rig for setting surface and intermediate 1 casing strings.

4. Casing & Cement

All casing will be API and new. See attached casing assumption worksheet.

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Surface	26	0 - 1656	0 - 1656	20	94	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	17.5	0 - 3400	0 - 3388	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 2	12.25	0 - 5144	0 - 5114	9.625	40	J-55	BUTT	1.125	1.125	1.8
Intermediate 3	8.75	0 - 12234	0 - 12137	7.625	29.7	P-110 EC	VAM Sprint SF	1.125	1.125	1.8
Production	6.75	0 - 23116	0 - 12860	5.5	20	P-110	Hunting TLW	1.125	1.125	1.8

- All casing strings will be tested in accordance with Title 43 CFR 3172.7(b)(8)

- All applicable R-111-Q regulations will be adhered to

- Rustler top will be validated via drilling parameters (i.e. reduction in ROP) and surface casing setting depth revised accordingly if needed

- All non-API joint connections will be of like or greater quality, and as run specification sheets will be on location for review

Variance Request

Matador request a variance to wave the centralizer requirement for the 7-5/8" casing and the 5-1/2" SF/Flush casing in the 6-3/4" hole.

If a DV tool is used, depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above the current shoe. Lab reports with the 500 psi compressive strength time for the cement will be onsite for review. Option to cancel 2nd stage cement if cement is circulated on 1st stage.

Primary Cement Design - DV/Packer 2-Stage Cement

String	Type	Sacks	Yield	Cu. Ft.	Weight	Percent Excess	Top of Cement (ft)	Class	Blend
Surface	Lead	1740	1.72	2990	13.5	50%	0	C	5% NaCl + LCM
	Tail	600	1.38	828	14.8	50%	1325	C	5% NaCl + LCM
Intermediate 1 w/ DV @ 1706'	Stg 2 Tail	970	1.78	1726	13.5	10%	0	C	10% NaCl + 1% MgO + LCM
	Stg 1 Lead	1560	1.84	2869	12.5	50%	0	C	10% NaCl + 1% MgO + LCM
	Stg 1 Tail	560	1.33	743	14.8	50%	2720	C	10% NaCl + 1% MgO + LCM
Intermediate 2 w/ DV @ 3450'	Stg 2 Tail	700	1.78	1250	13.5	10%	0	C	5% NaCl + LCM
	Stg 1 Lead	180	2.63	472	10.3	35%	0	A/C	Bentonite + 1% CaCL2 + 8% NaCl + LCM
	Stg 1 Tail	310	1.38	423	13.2	35%	4144	A/C	5% NaCl + LCM
Intermediate 3	Primary	470	1.35	629	14.8	0%	6144	C	10% NaCl + 1% MgO + LCM
Production	Lead	760	1.47	1119	12.5	0%	6944	A/C	Bentonite + 1% CaCL2 + 8% NaCl + LCM
	Tail	740	1.35	992	13.2	0%	11234	A/C	Fluid Loss + Dispersant + Retarder

Post-Completion Cement Design - Bradenhead Squeeze

String	Type	Sacks	Yield	Cu. Ft.	Weight	Percent	Top of	Class	Blend
Intermediate 3	Bradenhead Squeeze	370	1.35	504	14.8	0%	4644	C	10% NaCl + 1% MgO + LCM

Matador plans to cement the Int. 3 string per R-111-Q.(C).(5).(c).(iii), leaving the annulus open between the 2nd intermediate and production casing strings for 1000' until hydraulic fracturing operations have been concluded, at which point a bradenhead cementing operation will take place, ensuring at least 500' tie-back into 2nd intermediate casing, but not higher than USGS Marker Bed No. 126. TOC for the primary production job will be determined by CBL prior to hydraulic fracturing. As per R-111-Q.(C).(6).(c).(i), the Int. 3 cement will have a zero free fluid and a HTHP fluid loss of 150 ml/30min.

As per R-111-Q.(C).(5).(c), the annulus between int. 3 and production casing will be monitored and designed to relieve pressure from annulus below the failure threshold.

5. Mud Program

An electronic Pason mud monitoring system complying with Title 43 CFR 3172 will be used. All necessary mud products (barite, bentonite, LCM) for weight addition and fluid loss control will be on location at all times. Mud program is subject to change due to hole conditions.

Hole Section	Hole Size (in)	Mud Type	Interval MD (ft)	Density (lb/gal)	Viscosity	Fluid Loss
Surface	26	Spud Mud	0 - 1656	8.4 - 8.8	28-30	NC
Intermediate 1	17.5	Brine	1656 - 3400	9.8 - 10.2	28-30	NC
Intermediate 2	12.25	Fresh Water	3400 - 5144	8.4 - 8.6	28-30	NC
Intermediate 3	8.75	Cut Brine	5144 - 12234	8.6 - 9.8	28-30	NC
Production	6.75	OBM/Cut Brine	12234 - 23116	11 - 12.5	50-65	<20

6. Cores, Test, & Logs

No core or drill stem test is planned.

No electric logs are planned at this time. GR will be collected through the MWD tools from Intermediate casing to TD. CBL with CCL will be run as far as gravity will let it fall to top of curve. We will be running a Neutron log on one of the wells on each pad.

7. Down Hole Conditions

No abnormal pressure or temperature is expected. Bottom hole pressure is 8359 psi. Maximum anticipated surface pressure is 5530 psi. Expected bottom hole temperature is 214 F.

In accordance with Title 43 CFR 3176, Matador does not anticipate that there will be enough H₂S from the surface to the Bone Spring formations to meet the BLM's minimum requirements for the submission of an "H₂S Drilling Operation Plan" or "Public Protection Plan" for the drilling and completion of this well. Since we have an H₂S safety package on all wells, attached is an "H₂S Drilling Operations Plan". Adequate flare lines will be installed off the mud/gas separator where gas may be flared safely. All personnel will be familiar with all aspects of safe operation of equipment being used.

Casing Table Specification Sheet

Blue Chip 14 Fed Com 511H
SHL: 955' FSL & 239' FEL Section 11
BHL: 110' FSL & 1261' FEL Section 23
Township/Range: 21S 32E
Elevation Above Sea Level: 3854

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Surface	26	0 - 1656	0 - 1656	20	94	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	17.5	0 - 3400	0 - 3388	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 2	12.25	0 - 5144	0 - 5114	9.625	40	J-55	BUTT	1.125	1.125	1.8
Intermediate 3	8.75	0 - 12234	0 - 12137	7.625	29.7	P-110 EC	VAM Sprint SF	1.125	1.125	1.8
Production	6.75	0 - 23116	0 - 12860	5.5	20	P-110	Hunting TLW	1.125	1.125	1.8

Matador Production Company

Ranger/Arrowhead

Blue Chip

Blue Chip 14 Fed Com #511H

Wellbore #1

BLM Plan #2

Anticollision Summary Report

24 February, 2026

Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Blue Chip 14 Fed Com #511H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3882.5usft
Reference Site:	Blue Chip	MD Reference:	KB @ 3882.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Blue Chip 14 Fed Com #511H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Reference	BLM Plan #2		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 10,000.0 usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	2/24/2026		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	23,115.6	BLM Plan #2 (Wellbore #1)	MWD	OWSG MWD - Standard

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Big Game						
Big Bull Fed Com #305H - Wellbore #1 - BLM Plan #1	10,963.8	16,031.0	2,529.0	2,390.9	18.314	CC
Big Bull Fed Com #305H - Wellbore #1 - BLM Plan #1	11,000.0	16,034.6	2,529.2	2,390.9	18.281	ES
Big Bull Fed Com #305H - Wellbore #1 - BLM Plan #1	11,200.0	16,054.1	2,539.9	2,400.5	18.222	SF
Big Bull Fed Com #305H - Wellbore #1 - Wellbore #1	10,994.2	16,267.5	2,554.2	2,415.4	18.403	CC
Big Bull Fed Com #305H - Wellbore #1 - Wellbore #1	11,000.0	16,267.9	2,554.2	2,415.3	18.397	ES
Big Bull Fed Com #305H - Wellbore #1 - Wellbore #1	11,200.0	16,282.7	2,562.4	2,422.5	18.314	SF
Big Bull Fed Com #602H - Wellbore #1 - BLM Plan #1	11,445.7	16,575.7	2,958.8	2,817.7	20.971	CC, ES
Big Bull Fed Com #602H - Wellbore #1 - BLM Plan #1	14,000.0	17,793.2	3,248.0	3,085.3	19.963	SF
Big Bull Fed Com #602H - Wellbore #1 - Wellbore #1	11,449.0	16,616.0	2,959.3	2,818.8	21.054	CC, ES
Big Bull Fed Com #602H - Wellbore #1 - Wellbore #1	14,100.0	17,911.0	3,265.3	3,100.8	19.848	SF
Big Moose Fed Com #505H - Wellbore #1 - Actual	10,600.5	15,950.9	2,377.7	2,238.8	17.111	CC, ES
Big Moose Fed Com #505H - Wellbore #1 - Actual	10,800.0	15,972.4	2,386.0	2,245.4	16.975	SF
Big Moose						
Big Bull Fed Com #132H - Break Sand - Wellbore #1 - S	10,963.3	16,458.2	2,895.3	2,753.8	20.474	CC
Big Bull Fed Com #132H - Break Sand - Wellbore #1 - S	11,000.0	16,462.1	2,895.5	2,753.7	20.425	ES
Big Bull Fed Com #132H - Break Sand - Wellbore #1 - S	11,300.0	16,493.2	2,914.6	2,770.6	20.246	SF
Big Bull Fed Com #132H - TBSC Shale 2-Well - Wellbore	11,102.3	16,634.2	2,909.0	2,766.3	20.377	CC, ES
Big Bull Fed Com #132H - TBSC Shale 2-Well - Wellbore	11,400.0	16,663.8	2,924.1	2,779.0	20.156	SF
Big Moose Fed Com #131H - Break Sand - Wellbore #1	10,985.5	16,413.7	2,456.6	2,315.2	17.363	CC
Big Moose Fed Com #131H - Break Sand - Wellbore #1	11,000.0	16,415.1	2,456.7	2,315.1	17.346	ES
Big Moose Fed Com #131H - Break Sand - Wellbore #1	11,200.0	16,434.6	2,465.9	2,322.7	17.225	SF
Big Moose Fed Com #131H - Break Sand 2-Well - Wellb	11,032.9	16,391.9	1,970.8	1,829.3	13.928	CC, ES
Big Moose Fed Com #131H - Break Sand 2-Well - Wellb	11,200.0	16,408.9	1,977.8	1,835.0	13.857	SF
Big Moose Fed Com #131H - TBSC Shale - Wellbore #1	11,144.0	16,588.1	2,472.3	2,330.0	17.372	CC, ES
Big Moose Fed Com #131H - TBSC Shale - Wellbore #1	11,400.0	16,613.1	2,485.4	2,341.2	17.234	SF
Big Moose Fed Com #131H - TBSC Shale 2-Well - Wellb	11,188.7	16,567.4	1,983.7	1,840.9	13.893	CC
Big Moose Fed Com #131H - TBSC Shale 2-Well - Wellb	11,200.0	16,568.5	1,983.7	1,840.8	13.883	ES
Big Moose Fed Com #131H - TBSC Shale 2-Well - Wellb	11,300.0	16,578.5	1,986.8	1,843.1	13.826	SF
Blue Chip						
Blue Chip 14 Fed Com #702H - Wellbore #1 - BLM Plan	1,688.0	1,685.0	76.2	64.6	6.586	CC
Blue Chip 14 Fed Com #702H - Wellbore #1 - BLM Plan	2,100.0	2,103.6	78.5	64.0	5.407	ES
Blue Chip 14 Fed Com #702H - Wellbore #1 - BLM Plan	23,115.6	22,975.1	635.1	265.9	1.720	SF
Blue Chip 14 Fed Com #704H - Wellbore #1 - BLM Plan	12,288.7	12,260.1	671.9	579.8	7.299	CC
Blue Chip 14 Fed Com #704H - Wellbore #1 - BLM Plan	23,115.6	22,882.6	752.0	376.9	2.005	ES, SF

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Blue Chip 14 Fed Com #511H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3882.5usft
Reference Site:	Blue Chip	MD Reference:	KB @ 3882.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Blue Chip 14 Fed Com #511H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

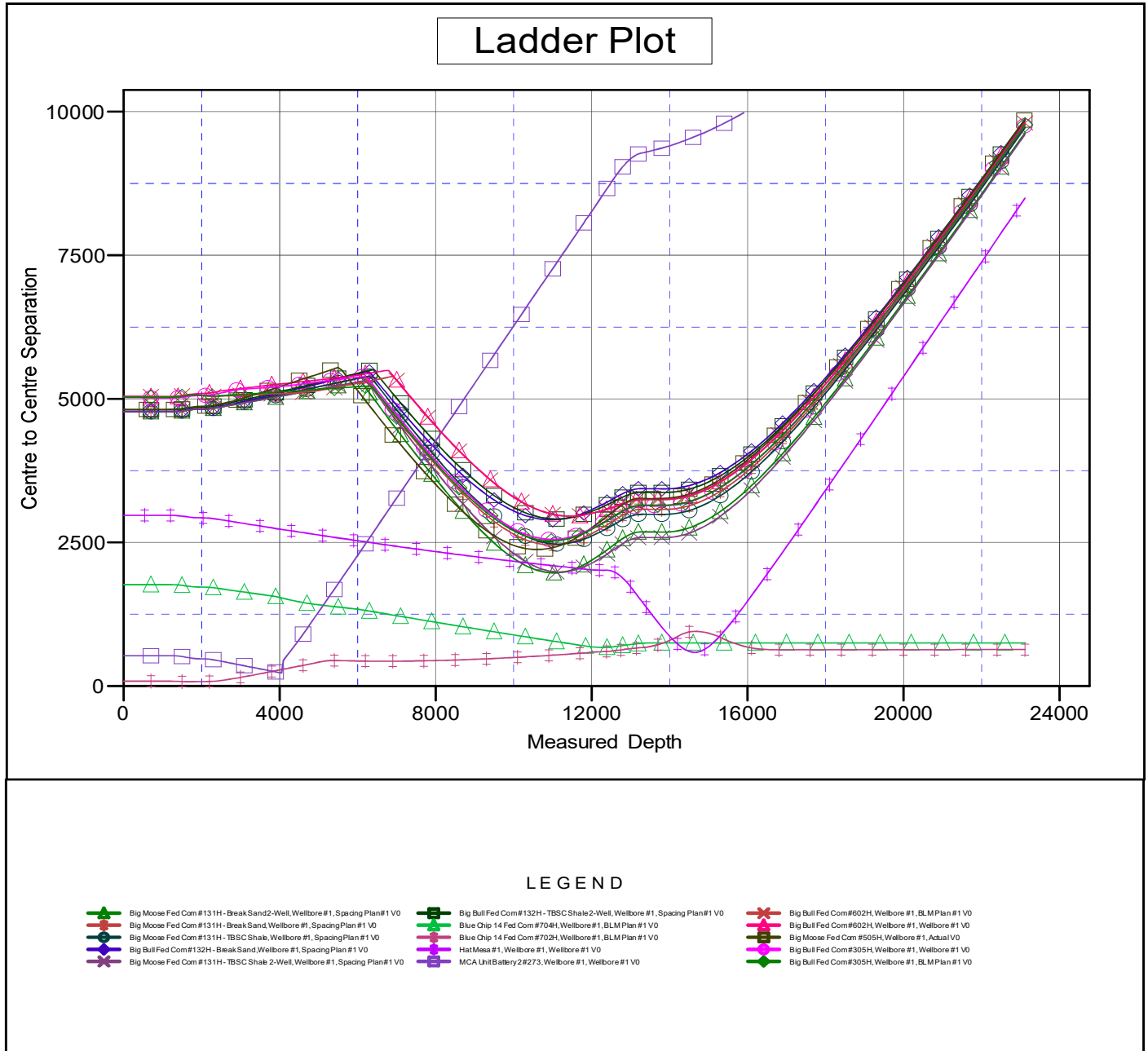
Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Hat Mesa						
Hat Mesa #1 - Wellbore #1 - Wellbore #1	14,641.3	12,904.0	586.3	241.5	1.700	CC, ES, SF
Offset Ranger Wells						
MCA Unit Battery 2 #273 - Wellbore #1 - Wellbore #1	4,051.5	4,017.1	227.7	178.6	4.634	CC, ES, SF

Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Blue Chip 14 Fed Com #511H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3882.5usft
Reference Site:	Blue Chip	MD Reference:	KB @ 3882.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Blue Chip 14 Fed Com #511H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB @ 3882.5usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Blue Chip 14 Fed Com #511H
 Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
 Grid Convergence at Surface is: 0.37°



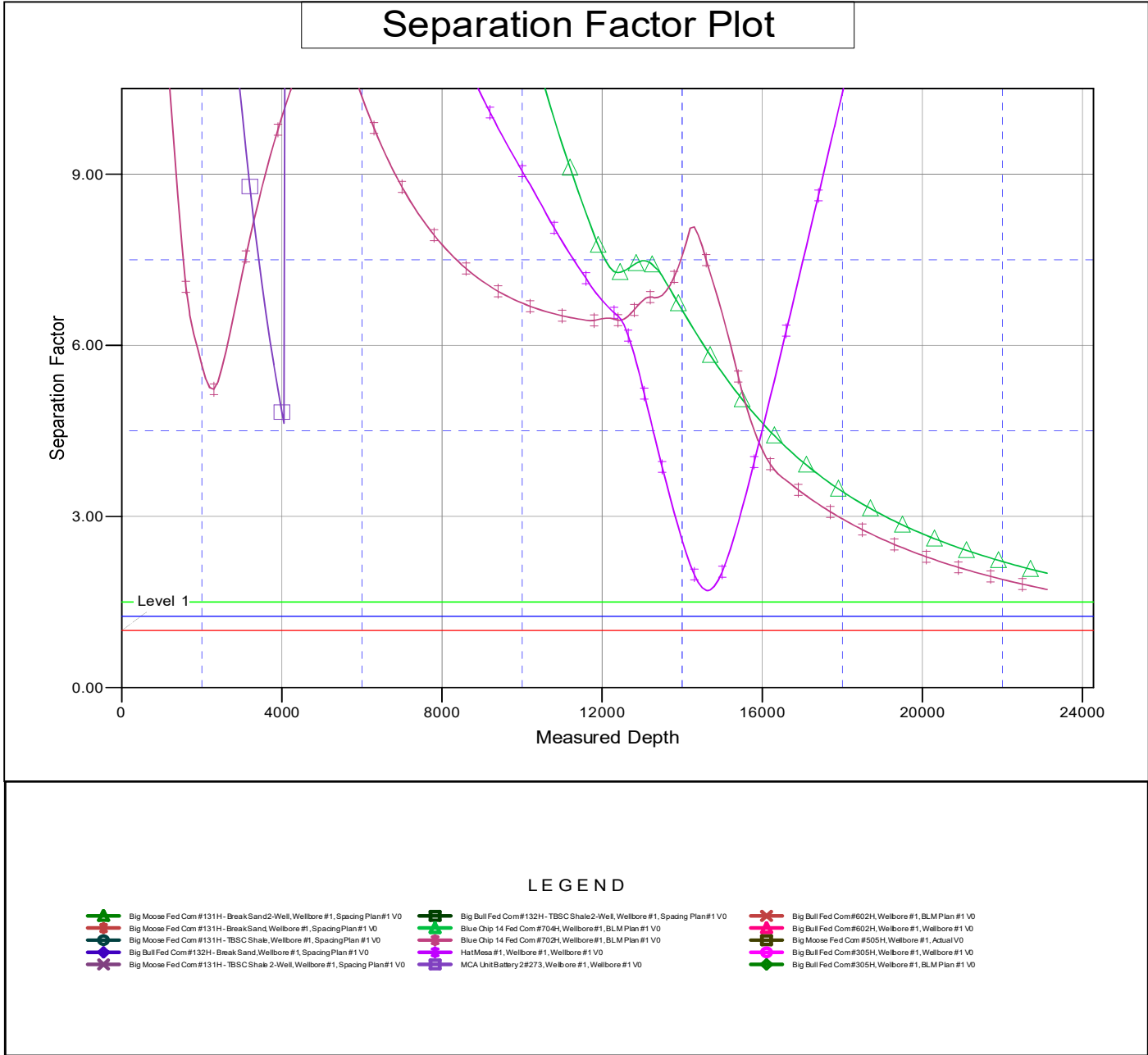
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Blue Chip 14 Fed Com #511H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3882.5usft
Reference Site:	Blue Chip	MD Reference:	KB @ 3882.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Blue Chip 14 Fed Com #511H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB @ 3882.5usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Blue Chip 14 Fed Com #511H
 Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
 Grid Convergence at Surface is: 0.37°



CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



SURVEY PROGRAM

Depth From 0.0 Depth To 23115.6 Survey/Plan BLM Plan #1 (Wellbore #1) Tool MWD

WELL DETAILS: Blue Chip 14 Fed Com #511H

GL @ 3854.0 KB @ 3882.5usft
 +N/-S 0.0 +E/-W 0.0 Northing 542184.59 Easting 714648.44
 Latitude 32° 29' 19.144 N Longitude 103° 38' 13.910 W Slot

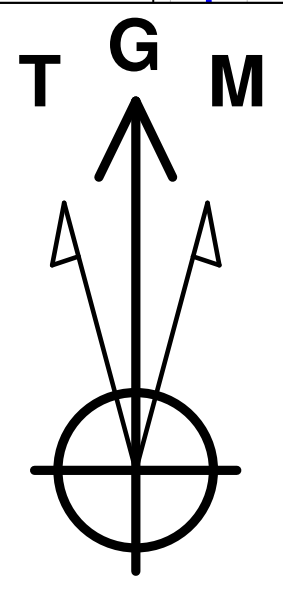
DESIGN TARGET DETAILS

Company: Matador Production Company
Well: Blue Chip 14 Fed Com #511H
County: Lea County, NM
Wellbore: Wellbore #1
Plan: BLM Plan #1
Date: 2/24/2026

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
BHL - Blue Chip 14 Fed Com #511H	12860.0	-11417.6	-952.4	530767.00	713696.00	32° 27' 26.225 N	103° 38' 25.895 W
BPP1 - Blue Chip 14 Fed Com #511H	12860.0	-3603.6	-999.4	538581.00	713649.00	32° 28' 43.550 N	103° 38' 25.852 W
BPP2 - Blue Chip 14 Fed Com #511H	12860.0	-4922.6	-991.4	537262.00	713657.00	32° 28' 30.497 N	103° 38' 25.858 W
BPP3 - Blue Chip 14 Fed Com #511H	12860.0	-6240.6	-983.4	535944.00	713665.00	32° 28' 17.455 N	103° 38' 25.865 W
BPP4 - Blue Chip 14 Fed Com #511H	12860.0	-8883.6	-967.4	533301.00	713681.00	32° 27' 51.300 N	103° 38' 25.878 W
FPP - Blue Chip 14 Fed Com #511H	12522.0	-1064.0	-1015.1	541120.59	713633.31	32° 29' 8.680 N	103° 38' 25.842 W
KOP - Blue Chip 14 Fed Com #511H	12287.0	-1013.6	-1015.4	541171.00	713633.00	32° 29' 9.179 N	103° 38' 25.842 W

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

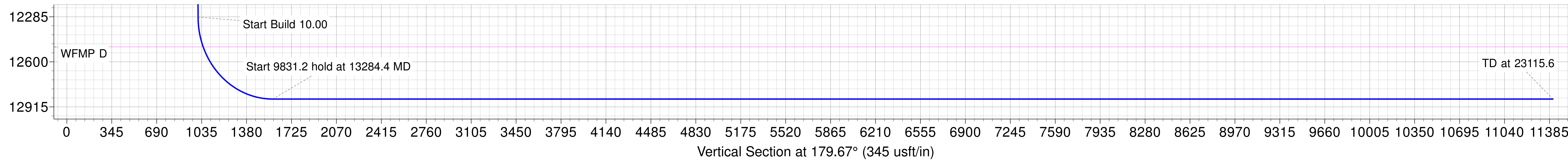
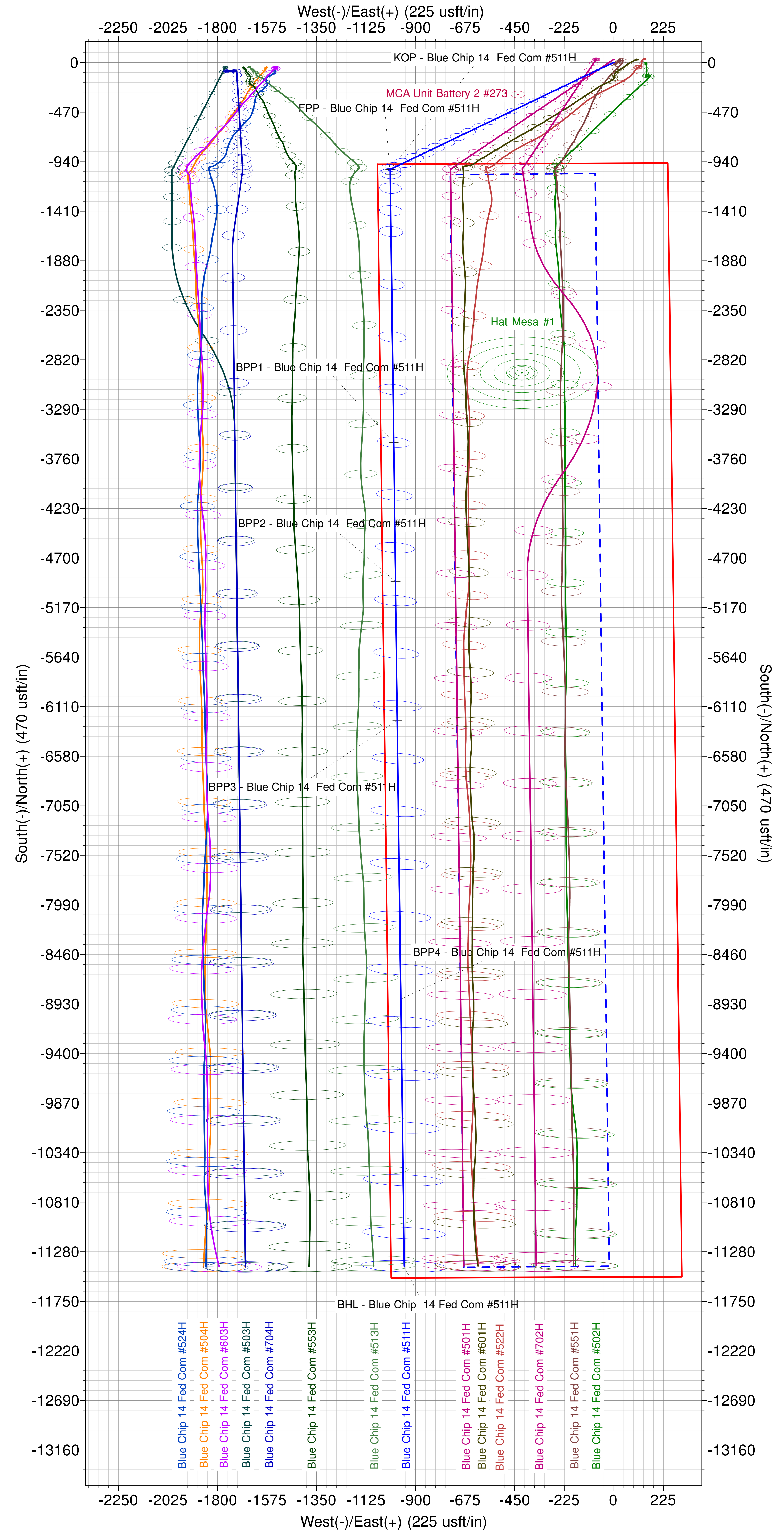
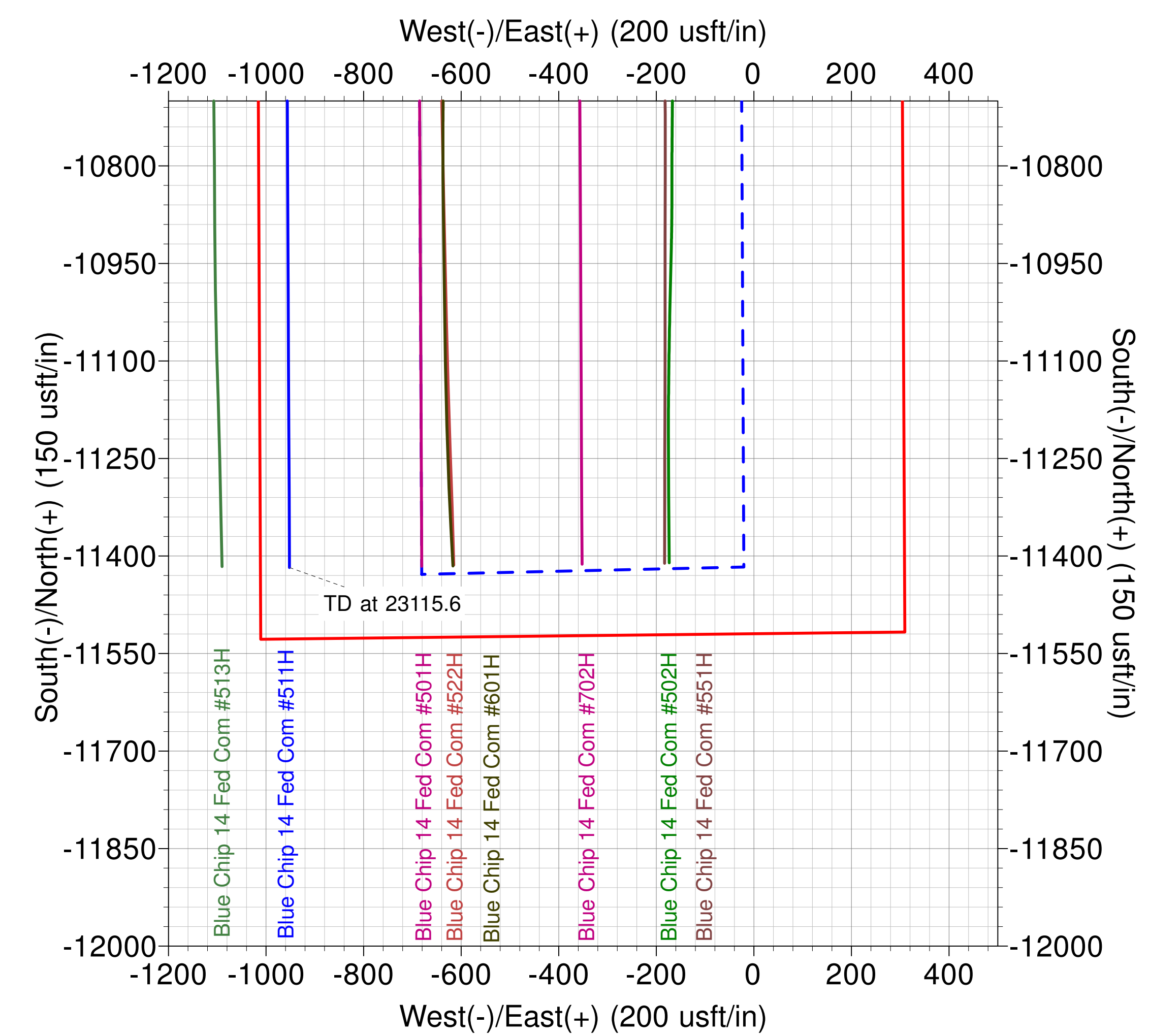
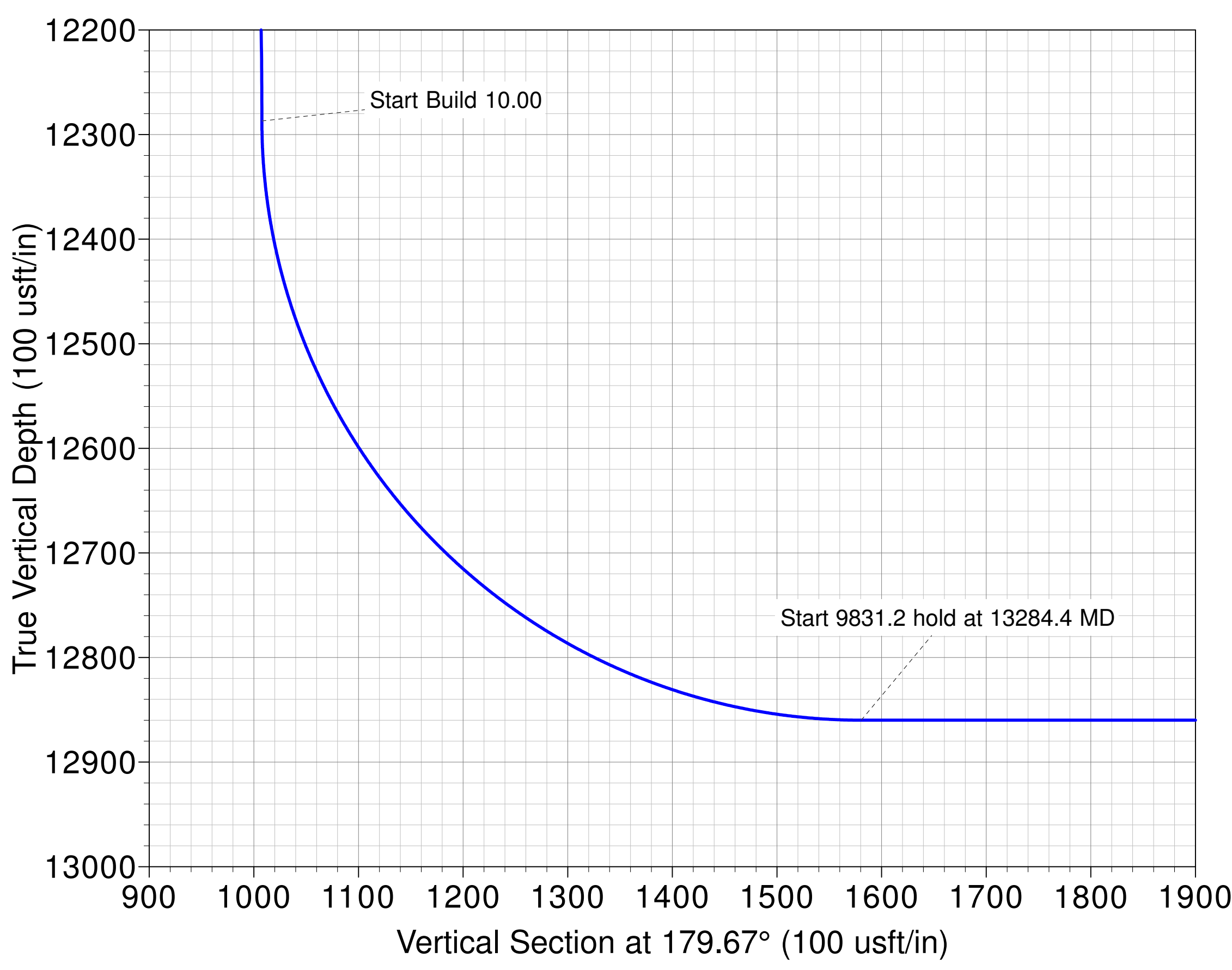
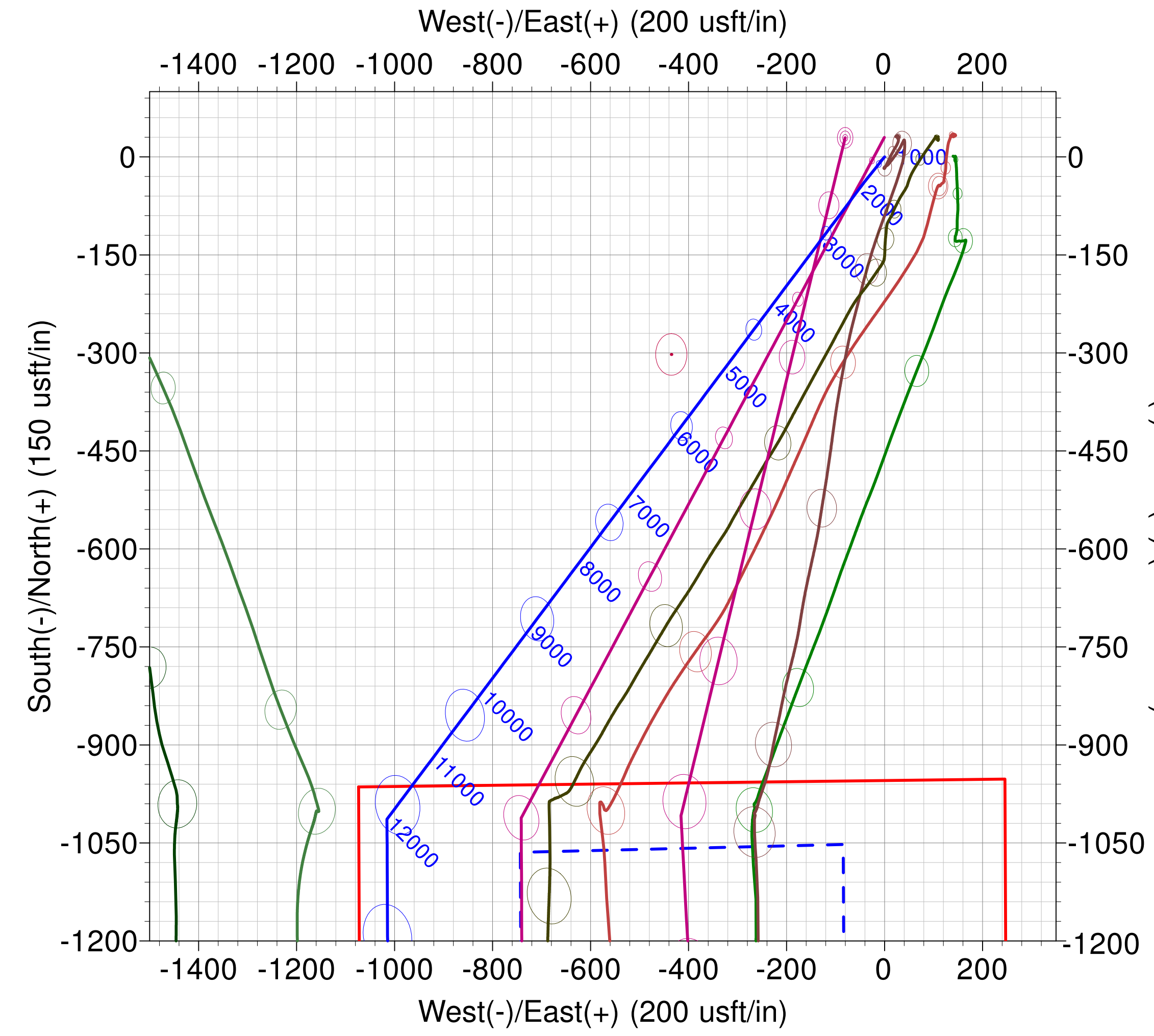
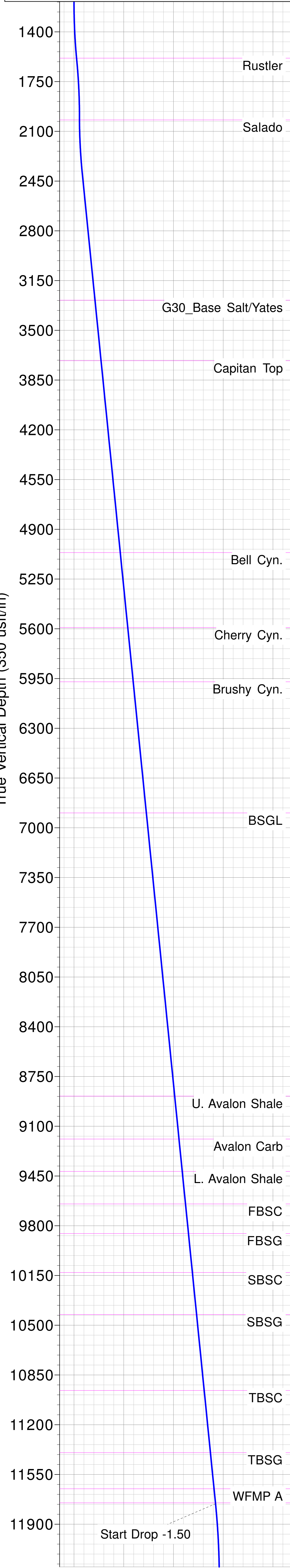
To convert a Magnetic Direction to a Grid Direction, Add 5.95°
 To convert a Magnetic Direction to a True Direction, Add 6.32° East
 To convert a True Direction to a Grid Direction, Subtract 0.37°



Azimuths to Grid North
 True North: -0.37°
 Magnetic North: 5.95°
 Magnetic Field
 Strength: 47440.9snT
 Dip Angle: 60.21°
 Date: 9/15/2023
 Model: IGRF2015

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	
1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	Start Build 2.00
1600.0	8.00	227.00	1598.7	-19.0	-20.4	2.00	227.00	18.9	Start Drop -2.00
2000.0	0.00	0.00	1997.4	-38.0	-40.8	2.00	180.00	37.8	Start Build 2.00
2399.6	7.99	224.97	2395.7	-57.7	-60.4	2.00	224.97	57.4	Start 9452.1 hold at 2399.6 MD
11851.6	7.99	224.97	11756.0	-987.4	-989.2	0.00	0.00	981.6	Start Drop -1.50
12384.4	0.00	0.00	12287.0	-1013.6	-1015.4	1.50	180.00	1007.7	Start Build 10.00
13284.4	90.00	179.65	12860.0	-1586.5	-1011.9	10.00	179.65	1580.7	Start 9831.2 hold at 13284.4 MD
23115.6	90.00	179.65	12860.0	-11417.6	-951.9	0.00	0.00	11411.9	TD at 23115.6

SECTION DETAILS



Matador Production Company

Ranger/Arrowhead

Blue Chip

Blue Chip 14 Fed Com #511H

Wellbore #1

Plan: BLM Plan #2

Standard Planning Report

24 February, 2026

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Blue Chip 14 Fed Com #511H
Company:	Matador Production Company	TVD Reference:	KB @ 3882.5usft
Project:	Ranger/Arrowhead	MD Reference:	KB @ 3882.5usft
Site:	Blue Chip	North Reference:	Grid
Well:	Blue Chip 14 Fed Com #511H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

Project	Ranger/Arrowhead		
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		

Site	Blue Chip				
Site Position:	Northing:	542,185.00 usft	Latitude:	32° 29' 19.148 N	
From: Map	Easting:	714,648.00 usft	Longitude:	103° 38' 13.915 W	
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.37 °

Well	Blue Chip 14 Fed Com #511H					
Well Position	+N/-S	-0.4 usft	Northing:	542,184.60 usft	Latitude:	32° 29' 19.144 N
	+E/-W	0.4 usft	Easting:	714,648.44 usft	Longitude:	103° 38' 13.910 W
Position Uncertainty	0.0 usft	Wellhead Elevation:		Ground Level:	3,854.0 usft	

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	9/15/2023	6.32	60.21	47,440.90544593

Design	BLM Plan #2			
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	179.67

Plan Survey Tool Program	Date	2/24/2026		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	23,115.6	BLM Plan #2 (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	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,600.0	8.00	227.00	1,598.7	-19.0	-20.4	2.00	2.00	0.00	227.00	
2,000.0	0.00	0.00	1,997.4	-38.0	-40.8	2.00	-2.00	0.00	180.00	
2,399.6	7.99	224.97	2,395.7	-57.7	-60.4	2.00	2.00	0.00	224.97	
11,851.6	7.99	224.97	11,756.0	-987.4	-989.2	0.00	0.00	0.00	0.00	
12,384.4	0.00	0.00	12,287.0	-1,013.6	-1,015.4	1.50	-1.50	0.00	180.00	KOP - Blue Chip 14 F
13,284.4	90.00	179.65	12,860.0	-1,586.5	-1,011.9	10.00	10.00	0.00	179.65	
23,115.6	90.00	179.65	12,860.0	-11,417.6	-951.9	0.00	0.00	0.00	0.00	BHL - Blue Chip 14 F

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Blue Chip 14 Fed Com #511H
Company:	Matador Production Company	TVD Reference:	KB @ 3882.5usft
Project:	Ranger/Arrowhead	MD Reference:	KB @ 3882.5usft
Site:	Blue Chip	North Reference:	Grid
Well:	Blue Chip 14 Fed Com #511H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

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
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
Start Build 2.00									
1,300.0	2.00	227.00	1,300.0	-1.2	-1.3	1.2	2.00	2.00	0.00
1,400.0	4.00	227.00	1,399.8	-4.8	-5.1	4.7	2.00	2.00	0.00
1,500.0	6.00	227.00	1,499.5	-10.7	-11.5	10.6	2.00	2.00	0.00
1,586.2	7.72	227.00	1,585.0	-17.7	-19.0	17.6	2.00	2.00	0.00
Rustler									
1,600.0	8.00	227.00	1,598.7	-19.0	-20.4	18.9	2.00	2.00	0.00
Start Drop -2.00									
1,700.0	6.00	227.00	1,698.0	-27.3	-29.3	27.2	2.00	-2.00	0.00
1,800.0	4.00	227.00	1,797.6	-33.3	-35.7	33.1	2.00	-2.00	0.00
1,900.0	2.00	227.00	1,897.4	-36.8	-39.5	36.6	2.00	-2.00	0.00
2,000.0	0.00	0.00	1,997.4	-38.0	-40.8	37.8	2.00	-2.00	0.00
Start Build 2.00									
2,022.6	0.45	224.97	2,020.0	-38.1	-40.8	37.9	2.00	2.00	0.00
Salado									
2,100.0	2.00	224.97	2,097.4	-39.3	-42.0	39.0	2.00	2.00	0.00
2,200.0	4.00	224.97	2,197.2	-43.0	-45.7	42.7	2.00	2.00	0.00
2,300.0	6.00	224.97	2,296.9	-49.1	-51.9	48.8	2.00	2.00	0.00
2,399.6	7.99	224.97	2,395.7	-57.7	-60.4	57.4	2.00	2.00	0.00
Start 9452.1 hold at 2399.6 MD									
2,400.0	7.99	224.97	2,396.1	-57.8	-60.5	57.4	0.00	0.00	0.00
2,500.0	7.99	224.97	2,495.1	-67.6	-70.3	67.2	0.00	0.00	0.00
2,600.0	7.99	224.97	2,594.2	-77.4	-80.1	77.0	0.00	0.00	0.00
2,700.0	7.99	224.97	2,693.2	-87.3	-90.0	86.7	0.00	0.00	0.00
2,800.0	7.99	224.97	2,792.2	-97.1	-99.8	96.5	0.00	0.00	0.00
2,900.0	7.99	224.97	2,891.2	-106.9	-109.6	106.3	0.00	0.00	0.00
3,000.0	7.99	224.97	2,990.3	-116.8	-119.4	116.1	0.00	0.00	0.00
3,100.0	7.99	224.97	3,089.3	-126.6	-129.3	125.9	0.00	0.00	0.00
3,200.0	7.99	224.97	3,188.3	-136.4	-139.1	135.6	0.00	0.00	0.00
3,300.0	7.99	224.97	3,287.4	-146.3	-148.9	145.4	0.00	0.00	0.00
3,300.6	7.99	224.97	3,288.0	-146.3	-149.0	145.5	0.00	0.00	0.00
G30_Base Salt/Yates									
3,400.0	7.99	224.97	3,386.4	-156.1	-158.7	155.2	0.00	0.00	0.00
3,500.0	7.99	224.97	3,485.4	-165.9	-168.6	165.0	0.00	0.00	0.00
3,600.0	7.99	224.97	3,584.5	-175.8	-178.4	174.7	0.00	0.00	0.00
3,700.0	7.99	224.97	3,683.5	-185.6	-188.2	184.5	0.00	0.00	0.00
3,730.8	7.99	224.97	3,714.0	-188.6	-191.3	187.5	0.00	0.00	0.00
Capitan Top									
3,800.0	7.99	224.97	3,782.5	-195.4	-198.1	194.3	0.00	0.00	0.00
3,900.0	7.99	224.97	3,881.5	-205.3	-207.9	204.1	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Blue Chip 14 Fed Com #511H
Company:	Matador Production Company	TVD Reference:	KB @ 3882.5usft
Project:	Ranger/Arrowhead	MD Reference:	KB @ 3882.5usft
Site:	Blue Chip	North Reference:	Grid
Well:	Blue Chip 14 Fed Com #511H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

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	7.99	224.97	3,980.6	-215.1	-217.7	213.9	0.00	0.00	0.00	
4,100.0	7.99	224.97	4,079.6	-225.0	-227.5	223.6	0.00	0.00	0.00	
4,200.0	7.99	224.97	4,178.6	-234.8	-237.4	233.4	0.00	0.00	0.00	
4,300.0	7.99	224.97	4,277.7	-244.6	-247.2	243.2	0.00	0.00	0.00	
4,400.0	7.99	224.97	4,376.7	-254.5	-257.0	253.0	0.00	0.00	0.00	
4,500.0	7.99	224.97	4,475.7	-264.3	-266.8	262.8	0.00	0.00	0.00	
4,600.0	7.99	224.97	4,574.7	-274.1	-276.7	272.5	0.00	0.00	0.00	
4,700.0	7.99	224.97	4,673.8	-284.0	-286.5	282.3	0.00	0.00	0.00	
4,800.0	7.99	224.97	4,772.8	-293.8	-296.3	292.1	0.00	0.00	0.00	
4,900.0	7.99	224.97	4,871.8	-303.6	-306.1	301.9	0.00	0.00	0.00	
5,000.0	7.99	224.97	4,970.9	-313.5	-316.0	311.6	0.00	0.00	0.00	
5,094.1	7.99	224.97	5,064.0	-322.7	-325.2	320.8	0.00	0.00	0.00	
Bell Cyn.										
5,100.0	7.99	224.97	5,069.9	-323.3	-325.8	321.4	0.00	0.00	0.00	
5,200.0	7.99	224.97	5,168.9	-333.1	-335.6	331.2	0.00	0.00	0.00	
5,300.0	7.99	224.97	5,267.9	-343.0	-345.4	341.0	0.00	0.00	0.00	
5,400.0	7.99	224.97	5,367.0	-352.8	-355.3	350.8	0.00	0.00	0.00	
5,500.0	7.99	224.97	5,466.0	-362.6	-365.1	360.5	0.00	0.00	0.00	
5,600.0	7.99	224.97	5,565.0	-372.5	-374.9	370.3	0.00	0.00	0.00	
5,626.2	7.99	224.97	5,591.0	-375.1	-377.5	372.9	0.00	0.00	0.00	
Cherry Cyn.										
5,700.0	7.99	224.97	5,664.1	-382.3	-384.8	380.1	0.00	0.00	0.00	
5,800.0	7.99	224.97	5,763.1	-392.2	-394.6	389.9	0.00	0.00	0.00	
5,900.0	7.99	224.97	5,862.1	-402.0	-404.4	399.7	0.00	0.00	0.00	
6,000.0	7.99	224.97	5,961.1	-411.8	-414.2	409.4	0.00	0.00	0.00	
6,012.0	7.99	224.97	5,973.0	-413.0	-415.4	410.6	0.00	0.00	0.00	
Brushy Cyn.										
6,100.0	7.99	224.97	6,060.2	-421.7	-424.1	419.2	0.00	0.00	0.00	
6,200.0	7.99	224.97	6,159.2	-431.5	-433.9	429.0	0.00	0.00	0.00	
6,300.0	7.99	224.97	6,258.2	-441.3	-443.7	438.8	0.00	0.00	0.00	
6,400.0	7.99	224.97	6,357.3	-451.2	-453.5	448.5	0.00	0.00	0.00	
6,500.0	7.99	224.97	6,456.3	-461.0	-463.4	458.3	0.00	0.00	0.00	
6,600.0	7.99	224.97	6,555.3	-470.8	-473.2	468.1	0.00	0.00	0.00	
6,700.0	7.99	224.97	6,654.3	-480.7	-483.0	477.9	0.00	0.00	0.00	
6,800.0	7.99	224.97	6,753.4	-490.5	-492.8	487.7	0.00	0.00	0.00	
6,900.0	7.99	224.97	6,852.4	-500.3	-502.7	497.4	0.00	0.00	0.00	
6,944.0	7.99	224.97	6,896.0	-504.7	-507.0	501.7	0.00	0.00	0.00	
BSGL										
7,000.0	7.99	224.97	6,951.4	-510.2	-512.5	507.2	0.00	0.00	0.00	
7,100.0	7.99	224.97	7,050.5	-520.0	-522.3	517.0	0.00	0.00	0.00	
7,200.0	7.99	224.97	7,149.5	-529.8	-532.1	526.8	0.00	0.00	0.00	
7,300.0	7.99	224.97	7,248.5	-539.7	-542.0	536.6	0.00	0.00	0.00	
7,400.0	7.99	224.97	7,347.5	-549.5	-551.8	546.3	0.00	0.00	0.00	
7,500.0	7.99	224.97	7,446.6	-559.4	-561.6	556.1	0.00	0.00	0.00	
7,600.0	7.99	224.97	7,545.6	-569.2	-571.4	565.9	0.00	0.00	0.00	
7,700.0	7.99	224.97	7,644.6	-579.0	-581.3	575.7	0.00	0.00	0.00	
7,800.0	7.99	224.97	7,743.7	-588.9	-591.1	585.4	0.00	0.00	0.00	
7,900.0	7.99	224.97	7,842.7	-598.7	-600.9	595.2	0.00	0.00	0.00	
8,000.0	7.99	224.97	7,941.7	-608.5	-610.8	605.0	0.00	0.00	0.00	
8,100.0	7.99	224.97	8,040.7	-618.4	-620.6	614.8	0.00	0.00	0.00	
8,200.0	7.99	224.97	8,139.8	-628.2	-630.4	624.6	0.00	0.00	0.00	
8,300.0	7.99	224.97	8,238.8	-638.0	-640.2	634.3	0.00	0.00	0.00	
8,400.0	7.99	224.97	8,337.8	-647.9	-650.1	644.1	0.00	0.00	0.00	
8,500.0	7.99	224.97	8,436.9	-657.7	-659.9	653.9	0.00	0.00	0.00	

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Blue Chip 14 Fed Com #511H
Company:	Matador Production Company	TVD Reference:	KB @ 3882.5usft
Project:	Ranger/Arrowhead	MD Reference:	KB @ 3882.5usft
Site:	Blue Chip	North Reference:	Grid
Well:	Blue Chip 14 Fed Com #511H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

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)
8,600.0	7.99	224.97	8,535.9	-667.5	-669.7	663.7	0.00	0.00	0.00
8,700.0	7.99	224.97	8,634.9	-677.4	-679.5	673.4	0.00	0.00	0.00
8,800.0	7.99	224.97	8,734.0	-687.2	-689.4	683.2	0.00	0.00	0.00
8,900.0	7.99	224.97	8,833.0	-697.0	-699.2	693.0	0.00	0.00	0.00
8,955.6	7.99	224.97	8,888.0	-702.5	-704.6	698.4	0.00	0.00	0.00
U. Avalon Shale									
9,000.0	7.99	224.97	8,932.0	-706.9	-709.0	702.8	0.00	0.00	0.00
9,100.0	7.99	224.97	9,031.0	-716.7	-718.8	712.6	0.00	0.00	0.00
9,200.0	7.99	224.97	9,130.1	-726.6	-728.7	722.3	0.00	0.00	0.00
9,260.5	7.99	224.97	9,190.0	-732.5	-734.6	728.3	0.00	0.00	0.00
Avalon Carb									
9,300.0	7.99	224.97	9,229.1	-736.4	-738.5	732.1	0.00	0.00	0.00
9,400.0	7.99	224.97	9,328.1	-746.2	-748.3	741.9	0.00	0.00	0.00
9,490.8	7.99	224.97	9,418.0	-755.2	-757.2	750.8	0.00	0.00	0.00
L. Avalon Shale									
9,500.0	7.99	224.97	9,427.2	-756.1	-758.1	751.7	0.00	0.00	0.00
9,600.0	7.99	224.97	9,526.2	-765.9	-768.0	761.5	0.00	0.00	0.00
9,700.0	7.99	224.97	9,625.2	-775.7	-777.8	771.2	0.00	0.00	0.00
9,722.0	7.99	224.97	9,647.0	-777.9	-780.0	773.4	0.00	0.00	0.00
FBSC									
9,800.0	7.99	224.97	9,724.2	-785.6	-787.6	781.0	0.00	0.00	0.00
9,900.0	7.99	224.97	9,823.3	-795.4	-797.5	790.8	0.00	0.00	0.00
9,932.0	7.99	224.97	9,855.0	-798.6	-800.6	793.9	0.00	0.00	0.00
FBSG									
10,000.0	7.99	224.97	9,922.3	-805.2	-807.3	800.6	0.00	0.00	0.00
10,100.0	7.99	224.97	10,021.3	-815.1	-817.1	810.3	0.00	0.00	0.00
10,200.0	7.99	224.97	10,120.4	-824.9	-826.9	820.1	0.00	0.00	0.00
10,208.7	7.99	224.97	10,129.0	-825.8	-827.8	821.0	0.00	0.00	0.00
SBSC									
10,300.0	7.99	224.97	10,219.4	-834.7	-836.8	829.9	0.00	0.00	0.00
10,400.0	7.99	224.97	10,318.4	-844.6	-846.6	839.7	0.00	0.00	0.00
10,500.0	7.99	224.97	10,417.4	-854.4	-856.4	849.5	0.00	0.00	0.00
10,507.6	7.99	224.97	10,425.0	-855.2	-857.2	850.2	0.00	0.00	0.00
SBSG									
10,600.0	7.99	224.97	10,516.5	-864.2	-866.2	859.2	0.00	0.00	0.00
10,700.0	7.99	224.97	10,615.5	-874.1	-876.1	869.0	0.00	0.00	0.00
10,800.0	7.99	224.97	10,714.5	-883.9	-885.9	878.8	0.00	0.00	0.00
10,900.0	7.99	224.97	10,813.6	-893.8	-895.7	888.6	0.00	0.00	0.00
11,000.0	7.99	224.97	10,912.6	-903.6	-905.5	898.4	0.00	0.00	0.00
11,046.9	7.99	224.97	10,959.0	-908.2	-910.1	902.9	0.00	0.00	0.00
TBSC									
11,100.0	7.99	224.97	11,011.6	-913.4	-915.4	908.1	0.00	0.00	0.00
11,200.0	7.99	224.97	11,110.6	-923.3	-925.2	917.9	0.00	0.00	0.00
11,300.0	7.99	224.97	11,209.7	-933.1	-935.0	927.7	0.00	0.00	0.00
11,400.0	7.99	224.97	11,308.7	-942.9	-944.8	937.5	0.00	0.00	0.00
11,489.2	7.99	224.97	11,397.0	-951.7	-953.6	946.2	0.00	0.00	0.00
TBSG									
11,500.0	7.99	224.97	11,407.7	-952.8	-954.7	947.2	0.00	0.00	0.00
11,600.0	7.99	224.97	11,506.8	-962.6	-964.5	957.0	0.00	0.00	0.00
11,700.0	7.99	224.97	11,605.8	-972.4	-974.3	966.8	0.00	0.00	0.00
11,745.7	7.99	224.97	11,651.0	-976.9	-978.8	971.3	0.00	0.00	0.00
WFMP A									

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Blue Chip 14 Fed Com #511H
Company:	Matador Production Company	TVD Reference:	KB @ 3882.5usft
Project:	Ranger/Arrowhead	MD Reference:	KB @ 3882.5usft
Site:	Blue Chip	North Reference:	Grid
Well:	Blue Chip 14 Fed Com #511H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

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)	
11,800.0	7.99	224.97	11,704.8	-982.3	-984.2	976.6	0.00	0.00	0.00	
11,845.6	7.99	224.97	11,750.0	-986.8	-988.6	981.0	0.00	0.00	0.00	
WFMP B										
11,851.6	7.99	224.97	11,756.0	-987.4	-989.2	981.6	0.00	0.00	0.00	
Start Drop -1.50										
11,900.0	7.27	224.97	11,803.9	-991.9	-993.8	986.1	1.50	-1.50	0.00	
12,000.0	5.77	224.97	11,903.2	-999.9	-1,001.8	994.1	1.50	-1.50	0.00	
12,100.0	4.27	224.97	12,002.9	-1,006.1	-1,008.0	1,000.3	1.50	-1.50	0.00	
12,200.0	2.77	224.97	12,102.7	-1,010.4	-1,012.3	1,004.6	1.50	-1.50	0.00	
12,300.0	1.27	224.97	12,202.6	-1,012.9	-1,014.8	1,007.1	1.50	-1.50	0.00	
12,384.4	0.00	0.00	12,287.0	-1,013.6	-1,015.4	1,007.7	1.50	-1.50	0.00	
Start Build 10.00 - KOP - Blue Chip 14 Fed Com #511H										
12,400.0	1.56	179.65	12,302.6	-1,013.8	-1,015.4	1,007.9	10.00	10.00	0.00	
12,500.0	11.56	179.65	12,401.8	-1,025.2	-1,015.4	1,019.3	10.00	10.00	0.00	
12,597.3	21.29	179.65	12,495.0	-1,052.7	-1,015.2	1,046.8	10.00	10.00	0.00	
WFMP D										
12,600.0	21.56	179.65	12,497.5	-1,053.7	-1,015.2	1,047.8	10.00	10.00	0.00	
12,626.5	24.21	179.65	12,522.0	-1,064.0	-1,015.1	1,058.1	10.00	10.00	0.00	
FPP - Blue Chip 14 Fed Com #511H										
12,700.0	31.56	179.65	12,586.9	-1,098.3	-1,014.9	1,092.5	10.00	10.00	0.00	
12,800.0	41.56	179.65	12,667.1	-1,157.8	-1,014.6	1,152.0	10.00	10.00	0.00	
12,900.0	51.56	179.65	12,735.8	-1,230.3	-1,014.1	1,224.5	10.00	10.00	0.00	
13,000.0	61.56	179.65	12,790.8	-1,313.7	-1,013.6	1,307.8	10.00	10.00	0.00	
13,100.0	71.56	179.65	12,830.5	-1,405.3	-1,013.1	1,399.4	10.00	10.00	0.00	
13,200.0	81.56	179.65	12,853.8	-1,502.4	-1,012.5	1,496.6	10.00	10.00	0.00	
13,284.4	90.00	179.65	12,860.0	-1,586.5	-1,011.9	1,580.7	10.00	10.00	0.00	
Start 9831.2 hold at 13284.4 MD										
13,300.0	90.00	179.65	12,860.0	-1,602.1	-1,011.8	1,596.3	0.00	0.00	0.00	
13,400.0	90.00	179.65	12,860.0	-1,702.1	-1,011.2	1,696.3	0.00	0.00	0.00	
13,500.0	90.00	179.65	12,860.0	-1,802.1	-1,010.6	1,796.3	0.00	0.00	0.00	
13,600.0	90.00	179.65	12,860.0	-1,902.1	-1,010.0	1,896.3	0.00	0.00	0.00	
13,700.0	90.00	179.65	12,860.0	-2,002.1	-1,009.4	1,996.3	0.00	0.00	0.00	
13,800.0	90.00	179.65	12,860.0	-2,102.1	-1,008.8	2,096.3	0.00	0.00	0.00	
13,900.0	90.00	179.65	12,860.0	-2,202.1	-1,008.2	2,196.3	0.00	0.00	0.00	
14,000.0	90.00	179.65	12,860.0	-2,302.1	-1,007.6	2,296.3	0.00	0.00	0.00	
14,100.0	90.00	179.65	12,860.0	-2,402.1	-1,007.0	2,396.3	0.00	0.00	0.00	
14,200.0	90.00	179.65	12,860.0	-2,502.1	-1,006.4	2,496.3	0.00	0.00	0.00	
14,300.0	90.00	179.65	12,860.0	-2,602.1	-1,005.7	2,596.3	0.00	0.00	0.00	
14,400.0	90.00	179.65	12,860.0	-2,702.1	-1,005.1	2,696.3	0.00	0.00	0.00	
14,500.0	90.00	179.65	12,860.0	-2,802.1	-1,004.5	2,796.3	0.00	0.00	0.00	
14,600.0	90.00	179.65	12,860.0	-2,902.1	-1,003.9	2,896.3	0.00	0.00	0.00	
14,700.0	90.00	179.65	12,860.0	-3,002.1	-1,003.3	2,996.3	0.00	0.00	0.00	
14,800.0	90.00	179.65	12,860.0	-3,102.1	-1,002.7	3,096.3	0.00	0.00	0.00	
14,900.0	90.00	179.65	12,860.0	-3,202.1	-1,002.1	3,196.3	0.00	0.00	0.00	
15,000.0	90.00	179.65	12,860.0	-3,302.1	-1,001.5	3,296.3	0.00	0.00	0.00	
15,100.0	90.00	179.65	12,860.0	-3,402.1	-1,000.9	3,396.3	0.00	0.00	0.00	
15,200.0	90.00	179.65	12,860.0	-3,502.1	-1,000.2	3,496.3	0.00	0.00	0.00	
15,300.0	90.00	179.65	12,860.0	-3,602.1	-999.6	3,596.3	0.00	0.00	0.00	
15,301.5	90.00	179.65	12,860.0	-3,603.6	-999.6	3,597.8	0.00	0.00	0.00	
BPP1 - Blue Chip 14 Fed Com #511H										
15,400.0	90.00	179.65	12,860.0	-3,702.1	-999.0	3,696.3	0.00	0.00	0.00	
15,500.0	90.00	179.65	12,860.0	-3,802.1	-998.4	3,796.3	0.00	0.00	0.00	
15,600.0	90.00	179.65	12,860.0	-3,902.1	-997.8	3,896.3	0.00	0.00	0.00	

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Blue Chip 14 Fed Com #511H
Company:	Matador Production Company	TVD Reference:	KB @ 3882.5usft
Project:	Ranger/Arrowhead	MD Reference:	KB @ 3882.5usft
Site:	Blue Chip	North Reference:	Grid
Well:	Blue Chip 14 Fed Com #511H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

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)
15,700.0	90.00	179.65	12,860.0	-4,002.1	-997.2	3,996.3	0.00	0.00	0.00
15,800.0	90.00	179.65	12,860.0	-4,102.1	-996.6	4,096.3	0.00	0.00	0.00
15,900.0	90.00	179.65	12,860.0	-4,202.1	-996.0	4,196.3	0.00	0.00	0.00
16,000.0	90.00	179.65	12,860.0	-4,302.1	-995.4	4,296.3	0.00	0.00	0.00
16,100.0	90.00	179.65	12,860.0	-4,402.1	-994.7	4,396.3	0.00	0.00	0.00
16,200.0	90.00	179.65	12,860.0	-4,502.1	-994.1	4,496.3	0.00	0.00	0.00
16,300.0	90.00	179.65	12,860.0	-4,602.1	-993.5	4,596.3	0.00	0.00	0.00
16,400.0	90.00	179.65	12,860.0	-4,702.1	-992.9	4,696.3	0.00	0.00	0.00
16,500.0	90.00	179.65	12,860.0	-4,802.1	-992.3	4,796.3	0.00	0.00	0.00
16,600.0	90.00	179.65	12,860.0	-4,902.1	-991.7	4,896.3	0.00	0.00	0.00
16,620.5	90.00	179.65	12,860.0	-4,922.6	-991.6	4,916.8	0.00	0.00	0.00
BPP2 - Blue Chip 14 Fed Com #511H									
16,700.0	90.00	179.65	12,860.0	-5,002.1	-991.1	4,996.3	0.00	0.00	0.00
16,800.0	90.00	179.65	12,860.0	-5,102.1	-990.5	5,096.3	0.00	0.00	0.00
16,900.0	90.00	179.65	12,860.0	-5,202.1	-989.9	5,196.3	0.00	0.00	0.00
17,000.0	90.00	179.65	12,860.0	-5,302.1	-989.2	5,296.3	0.00	0.00	0.00
17,100.0	90.00	179.65	12,860.0	-5,402.1	-988.6	5,396.3	0.00	0.00	0.00
17,200.0	90.00	179.65	12,860.0	-5,502.1	-988.0	5,496.3	0.00	0.00	0.00
17,300.0	90.00	179.65	12,860.0	-5,602.1	-987.4	5,596.3	0.00	0.00	0.00
17,400.0	90.00	179.65	12,860.0	-5,702.1	-986.8	5,696.3	0.00	0.00	0.00
17,500.0	90.00	179.65	12,860.0	-5,802.1	-986.2	5,796.3	0.00	0.00	0.00
17,600.0	90.00	179.65	12,860.0	-5,902.0	-985.6	5,896.3	0.00	0.00	0.00
17,700.0	90.00	179.65	12,860.0	-6,002.0	-985.0	5,996.3	0.00	0.00	0.00
17,800.0	90.00	179.65	12,860.0	-6,102.0	-984.4	6,096.3	0.00	0.00	0.00
17,900.0	90.00	179.65	12,860.0	-6,202.0	-983.7	6,196.3	0.00	0.00	0.00
17,938.6	90.00	179.65	12,860.0	-6,240.6	-983.5	6,234.8	0.00	0.00	0.00
BPP3 - Blue Chip 14 Fed Com #511H									
18,000.0	90.00	179.65	12,860.0	-6,302.0	-983.1	6,296.3	0.00	0.00	0.00
18,100.0	90.00	179.65	12,860.0	-6,402.0	-982.5	6,396.3	0.00	0.00	0.00
18,200.0	90.00	179.65	12,860.0	-6,502.0	-981.9	6,496.3	0.00	0.00	0.00
18,300.0	90.00	179.65	12,860.0	-6,602.0	-981.3	6,596.3	0.00	0.00	0.00
18,400.0	90.00	179.65	12,860.0	-6,702.0	-980.7	6,696.3	0.00	0.00	0.00
18,500.0	90.00	179.65	12,860.0	-6,802.0	-980.1	6,796.3	0.00	0.00	0.00
18,600.0	90.00	179.65	12,860.0	-6,902.0	-979.5	6,896.3	0.00	0.00	0.00
18,700.0	90.00	179.65	12,860.0	-7,002.0	-978.9	6,996.3	0.00	0.00	0.00
18,800.0	90.00	179.65	12,860.0	-7,102.0	-978.3	7,096.3	0.00	0.00	0.00
18,900.0	90.00	179.65	12,860.0	-7,202.0	-977.6	7,196.3	0.00	0.00	0.00
19,000.0	90.00	179.65	12,860.0	-7,302.0	-977.0	7,296.3	0.00	0.00	0.00
19,100.0	90.00	179.65	12,860.0	-7,402.0	-976.4	7,396.3	0.00	0.00	0.00
19,200.0	90.00	179.65	12,860.0	-7,502.0	-975.8	7,496.3	0.00	0.00	0.00
19,300.0	90.00	179.65	12,860.0	-7,602.0	-975.2	7,596.3	0.00	0.00	0.00
19,400.0	90.00	179.65	12,860.0	-7,702.0	-974.6	7,696.3	0.00	0.00	0.00
19,500.0	90.00	179.65	12,860.0	-7,802.0	-974.0	7,796.3	0.00	0.00	0.00
19,600.0	90.00	179.65	12,860.0	-7,902.0	-973.4	7,896.3	0.00	0.00	0.00
19,700.0	90.00	179.65	12,860.0	-8,002.0	-972.8	7,996.3	0.00	0.00	0.00
19,800.0	90.00	179.65	12,860.0	-8,102.0	-972.1	8,096.3	0.00	0.00	0.00
19,900.0	90.00	179.65	12,860.0	-8,202.0	-971.5	8,196.3	0.00	0.00	0.00
20,000.0	90.00	179.65	12,860.0	-8,302.0	-970.9	8,296.3	0.00	0.00	0.00
20,100.0	90.00	179.65	12,860.0	-8,402.0	-970.3	8,396.3	0.00	0.00	0.00
20,200.0	90.00	179.65	12,860.0	-8,502.0	-969.7	8,496.3	0.00	0.00	0.00
20,300.0	90.00	179.65	12,860.0	-8,602.0	-969.1	8,596.3	0.00	0.00	0.00
20,400.0	90.00	179.65	12,860.0	-8,702.0	-968.5	8,696.3	0.00	0.00	0.00
20,500.0	90.00	179.65	12,860.0	-8,802.0	-967.9	8,796.3	0.00	0.00	0.00
20,581.6	90.00	179.65	12,860.0	-8,883.6	-967.4	8,877.9	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Blue Chip 14 Fed Com #511H
Company:	Matador Production Company	TVD Reference:	KB @ 3882.5usft
Project:	Ranger/Arrowhead	MD Reference:	KB @ 3882.5usft
Site:	Blue Chip	North Reference:	Grid
Well:	Blue Chip 14 Fed Com #511H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

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)
BPP4 - Blue Chip 14 Fed Com #511H									
20,600.0	90.00	179.65	12,860.0	-8,902.0	-967.3	8,896.3	0.00	0.00	0.00
20,700.0	90.00	179.65	12,860.0	-9,002.0	-966.6	8,996.3	0.00	0.00	0.00
20,800.0	90.00	179.65	12,860.0	-9,102.0	-966.0	9,096.3	0.00	0.00	0.00
20,900.0	90.00	179.65	12,860.0	-9,202.0	-965.4	9,196.3	0.00	0.00	0.00
21,000.0	90.00	179.65	12,860.0	-9,302.0	-964.8	9,296.3	0.00	0.00	0.00
21,100.0	90.00	179.65	12,860.0	-9,402.0	-964.2	9,396.3	0.00	0.00	0.00
21,200.0	90.00	179.65	12,860.0	-9,502.0	-963.6	9,496.3	0.00	0.00	0.00
21,300.0	90.00	179.65	12,860.0	-9,602.0	-963.0	9,596.3	0.00	0.00	0.00
21,400.0	90.00	179.65	12,860.0	-9,702.0	-962.4	9,696.3	0.00	0.00	0.00
21,500.0	90.00	179.65	12,860.0	-9,802.0	-961.8	9,796.3	0.00	0.00	0.00
21,600.0	90.00	179.65	12,860.0	-9,902.0	-961.1	9,896.3	0.00	0.00	0.00
21,700.0	90.00	179.65	12,860.0	-10,002.0	-960.5	9,996.3	0.00	0.00	0.00
21,800.0	90.00	179.65	12,860.0	-10,102.0	-959.9	10,096.3	0.00	0.00	0.00
21,900.0	90.00	179.65	12,860.0	-10,202.0	-959.3	10,196.3	0.00	0.00	0.00
22,000.0	90.00	179.65	12,860.0	-10,302.0	-958.7	10,296.3	0.00	0.00	0.00
22,100.0	90.00	179.65	12,860.0	-10,402.0	-958.1	10,396.3	0.00	0.00	0.00
22,200.0	90.00	179.65	12,860.0	-10,502.0	-957.5	10,496.3	0.00	0.00	0.00
22,300.0	90.00	179.65	12,860.0	-10,602.0	-956.9	10,596.3	0.00	0.00	0.00
22,400.0	90.00	179.65	12,860.0	-10,702.0	-956.3	10,696.3	0.00	0.00	0.00
22,500.0	90.00	179.65	12,860.0	-10,802.0	-955.6	10,796.3	0.00	0.00	0.00
22,600.0	90.00	179.65	12,860.0	-10,902.0	-955.0	10,896.3	0.00	0.00	0.00
22,700.0	90.00	179.65	12,860.0	-11,002.0	-954.4	10,996.3	0.00	0.00	0.00
22,800.0	90.00	179.65	12,860.0	-11,102.0	-953.8	11,096.3	0.00	0.00	0.00
22,900.0	90.00	179.65	12,860.0	-11,202.0	-953.2	11,196.3	0.00	0.00	0.00
23,000.0	90.00	179.65	12,860.0	-11,301.9	-952.6	11,296.3	0.00	0.00	0.00
23,100.0	90.00	179.65	12,860.0	-11,401.9	-952.0	11,396.3	0.00	0.00	0.00
23,115.6	90.00	179.65	12,860.0	-11,417.6	-951.9	11,411.9	0.00	0.00	0.00
TD at 23115.6 - BHL - Blue Chip 14 Fed Com #511H									

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Blue Chip 14 Fed Com #511H
Company:	Matador Production Company	TVD Reference:	KB @ 3882.5usft
Project:	Ranger/Arrowhead	MD Reference:	KB @ 3882.5usft
Site:	Blue Chip	North Reference:	Grid
Well:	Blue Chip 14 Fed Com #511H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

Design Targets										
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)			
- Shape										
KOP - Blue Chip 14 Fed - plan hits target center - Point	0.00	0.00	12,287.0	-1,013.6	-1,015.4	541,171.00	713,633.00	32° 29' 9.179 N	103° 38' 25.842 W	
FPP - Blue Chip 14 Fed - plan hits target center - Point	0.00	0.00	12,522.0	-1,064.0	-1,015.1	541,120.60	713,633.30	32° 29' 8.680 N	103° 38' 25.842 W	
BPP1 - Blue Chip 14 Fe - plan misses target center by 0.2usft at 15301.5usft MD (12860.0 TVD, -3603.6 N, -999.6 E) - Point	0.00	0.00	12,860.0	-3,603.6	-999.4	538,581.00	713,649.00	32° 28' 43.550 N	103° 38' 25.852 W	
BPP2 - Blue Chip 14 Fe - plan misses target center by 0.1usft at 16620.5usft MD (12860.0 TVD, -4922.6 N, -991.6 E) - Point	0.00	0.00	12,860.0	-4,922.6	-991.4	537,262.00	713,657.00	32° 28' 30.497 N	103° 38' 25.858 W	
BPP3 - Blue Chip 14 Fe - plan misses target center by 0.1usft at 17938.6usft MD (12860.0 TVD, -6240.6 N, -983.5 E) - Point	0.00	0.00	12,860.0	-6,240.6	-983.4	535,944.00	713,665.00	32° 28' 17.455 N	103° 38' 25.865 W	
BHL - Blue Chip 14 Fed - plan misses target center by 0.6usft at 23115.6usft MD (12860.0 TVD, -11417.6 N, -951.9 E) - Point	0.00	0.00	12,860.0	-11,417.6	-952.4	530,767.00	713,696.00	32° 27' 26.225 N	103° 38' 25.895 W	
BPP4 - Blue Chip 14 Fe - plan misses target center by 0.1usft at 20581.6usft MD (12860.0 TVD, -8883.6 N, -967.4 E) - Point	0.00	0.00	12,860.0	-8,883.6	-967.4	533,301.00	713,681.00	32° 27' 51.300 N	103° 38' 25.878 W	

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,586.2	1,585.0	Rustler				
2,022.6	2,020.0	Salado				
3,300.6	3,288.0	G30_Base Salt/Yates				
3,730.8	3,714.0	Capitan Top				
5,094.1	5,064.0	Bell Cyn.				
5,626.2	5,591.0	Cherry Cyn.				
6,012.0	5,973.0	Brushy Cyn.				
6,944.0	6,896.0	BSGL				
8,955.6	8,888.0	U. Avalon Shale				
9,260.5	9,190.0	Avalon Carb				
9,490.8	9,418.0	L. Avalon Shale				
9,722.0	9,647.0	FBSC				
9,932.0	9,855.0	FBSG				
10,208.7	10,129.0	SBSC				
10,507.6	10,425.0	SBSG				
11,046.9	10,959.0	TBSC				
11,489.2	11,397.0	TBSG				
11,745.7	11,651.0	WFMP A				
11,845.6	11,750.0	WFMP B				
12,597.3	12,495.0	WFMP D				

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Blue Chip 14 Fed Com #511H
Company:	Matador Production Company	TVD Reference:	KB @ 3882.5usft
Project:	Ranger/Arrowhead	MD Reference:	KB @ 3882.5usft
Site:	Blue Chip	North Reference:	Grid
Well:	Blue Chip 14 Fed Com #511H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
1,200.0	1,200.0	0.0	0.0	Start Build 2.00	
1,600.0	1,598.7	-19.0	-20.4	Start Drop -2.00	
2,000.0	1,997.4	-38.0	-40.8	Start Build 2.00	
2,399.6	2,395.7	-57.7	-60.4	Start 9452.1 hold at 2399.6 MD	
11,851.6	11,756.0	-987.4	-989.2	Start Drop -1.50	
12,384.4	12,287.0	-1,013.6	-1,015.4	Start Build 10.00	
13,284.4	12,860.0	-1,586.5	-1,011.9	Start 9831.2 hold at 13284.4 MD	
23,115.6	12,860.0	-11,417.6	-951.9	TD at 23115.6	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oecd/contact-us>

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

CONDITIONS

Action 564142

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 564142
	Action Type: [C-103A] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
matthew.gomez	No additives containing PFAS chemicals will be added to the drilling fluids or completion fluids used during drilling, completions, or recompletions operations.	4/13/2026
matthew.gomez	If cement does not circulate to surface on any string, a Cement Bond Log (CBL) is required for that string of casing. If strata isolation is not achieved, remediation will be required before further operations may commence.	4/13/2026
matthew.gomez	All conducted logs must be submitted to the OCD.	4/13/2026
matthew.gomez	Cement must be in place for at least eight hours AND achieve a minimum compressive strength of 500 PSI before performing any further operations on the well.	4/13/2026
matthew.gomez	If production is anticipated to occur outside of the Wolfcamp formation, a second pool must be added and a DHC must be approved prior to producing the well.	4/13/2026
matthew.gomez	All previous COA's still apply.	4/13/2026