

Well Name: DOS EQUIS 12-13 FEDERAL COM	Well Location: T24S / R32E / SEC 12 / NWNW /	County or Parish/State:
Well Number: 75H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM02889	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002550125	Well Status: Approved Application for Permit to Drill	Operator: CIMAREX ENERGY COMPANY

Notice of Intent

Sundry ID: 2763422

Type of Submission: Notice of Intent Type of Action: APD Change

Date Sundry Submitted: 11/28/2023 Time Sundry Submitted: 06:51

Date proposed operation will begin: 02/01/2024

Procedure Description: Casing change from previously approved APD. Bottom hole change from previously approved APD.

NOI Attachments

Procedure Description

Dos_Equis_12_13_75H_Sundry_Submittal_11282023_20231211130622.pdf

Conditions of Approval

Specialist Review

12_24_32_B_Sundry_ID_2763422_Dos_Equis_12_13_Federal_Com_75H_Lea_NM02889_CIMAREX_ENERGY_COM
PANY_13_22g_2_27_2024_LV_20240228084216.pdf

Dos_Equis_12_13_Fed_Com_75H_Dr_COA_20240228084216.pdf

Well Name: DOS EQUIS 12-13 FEDERAL COM	Well Location: T24S / R32E / SEC 12 / NWNE /	County or Parish/State:
Well Number: 75H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM02889	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002550125	Well Status: Approved Application for Permit to Drill	Operator: CIMAREX ENERGY 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: SHELLY BOWEN	Signed on: DEC 11, 2023 01:06 PM
Name: CIMAREX ENERGY COMPANY	
Title: Regulatory Analyst	
Street Address: 6001 DEAUVILLE BLVD STE 300N	
City: MIDLAND	State: TX
Phone: (432) 620-1644	
Email address: DL_PBUREGULATORY@COTERRA.COM	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: LONG VO	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5759885402	BLM POC Email Address: LVO@BLM.GOV
Disposition: Approved	Disposition Date: 02/28/2024
Signature: Long Vo	

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	
7. If Unit of CA/Agreement, Name and/or No.	
8. Well Name and No.	
9. API Well No.	
10. Field and Pool or Exploratory Area	
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				
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off	
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other	
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
	☐ Convert to Injection	☐ Plug Back	☐ 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 recompleate 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 perfonned 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 detennined 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)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: NWN / 300 FNL / 2410 FEL / TWSP: 24S / RANGE: 32E / SECTION: 12 / LAT: 32.238633 / LONG: -103.62758 (TVD: 0 feet, MD: 0 feet)

PPP: NWN / 300 FNL / 2000 FEL / TWSP: 24S / RANGE: 32E / SECTION: 12 / LAT: 32.238634 / LONG: -103.626255 (TVD: 9283 feet, MD: 9313 feet)

PPP: NWN / 0 FNL / 2000 FEL / TWSP: 24S / RANGE: 32E / SECTION: 13 / LAT: 32.224944 / LONG: -103.626264 (TVD: 9600 feet, MD: 14328 feet)

PPP: NESE / 2640 FNL / 2000 FEL / TWSP: 24S / RANGE: 32E / SECTION: 12 / LAT: 32.2322 / LONG: -103.626258 (TVD: 9600 feet, MD: 11688 feet)

BHL: SWSE / 100 FSL / 2000 FEL / TWSP: 24S / RANGE: 32E / SECTION: 13 / LAT: 32.210697 / LONG: -103.626275 (TVD: 9600 feet, MD: 19510 feet)

CONFIDENTIAL

Cimarex Energy Co. respectfully requests to change the approved APD as follows:

Well Name	API	S/T/R	SHL Old	SHL New	S/T/R	BHL Old	BHL New	TVD Old	TVD New	MD Old	MD New
Dos Equis 12-13 Fed Com 52H	30-025-50124	12/24S/32E	195 FNL/ 1480 FWL	NO CHANGE	13/24S/32E	100 FSL/1520 FWL	100 FSL/660 FWL	9,600'	9,980'	19,753	20,072
Dos Equis 12-13 Fed Com 51H	30-025-50123	12/24S/32E	195 FNL/ 1500 FWL	NO CHANGE	13/24S/32E	100 FSL/1540 FWL	100 FSL/990 FWL	9,600'	11,550'	19,665	21,677
Dos Equis 12-13 Fed Com 50H	30-025-50122	12/24S/32E	195 FNL/ 1520 FWL	NO CHANGE	13/24S/32E	100 FSL/1560 FWL	100 FSL/1388 FWL	12,900'	10,620'	23,019	20,654
Dos Equis 12-13 Fed Com 49H	30-025-50121	12/24S/32E	195 FNL/ 1540 FWL	195 FNL/1540 FWL	13/24S/32E	100 FSL/1430 FWL	100 FSL/1980 FWL	12,300'	9,980'	22,376	20,256
Dos Equis 12-13 Fed Com 48H	30-025-50120	12/24S/32E	255 FNL/1580 FWL	195 FNL/1560 FWL	13/24S/32E	100 FSL/1386 FWL	100 FSL/2310 FWL	12,390'	11,550'	22,379	21,551
Dos Equis 12-13 Fed Com 77H	30-025-50136	12/24S/32E	300 FNL/ 2450 FEL	NO CHANGE	13/24S/32E	100 FSL/2130 FEL	100 FSL/2588 FEL	12,900'	10,620'	22,970	20,825
Dos Equis 12-13 Fed Com 76H	30-025-50126	12/24S/32E	300 FNL/ 2430 FEL	NO CHANGE	13/24S/32E	100 FSL/2100 FEL	100 FSL/1980 FEL	9,600'	9,980'	19,654	20,141
Dos Equis 12-13 Fed Com 75H	30-025-50125	12/24S/32E	300 FNL/ 2410 FEL	NO CHANGE	13/24S/32E	100 FSL/2000 FEL	100 FSL/1650 FEL	9,600'	11,550'	19,510	21,718
Dos Equis 12-13 Fed Com 89H	30-025-50138	12/24S/32E	300 FNL/ 1510 FEL	NO CHANGE	13/24S/32E	100 FSL/990 FEL	100FSL/1275 FEL	9,600'	10,620'	19,595	20,753
Dos Equis 12-13 Fed Com 88H	30-025-50206	12/24S/32E	300 FNL/ 1490 FEL	NO CHANGE	13/24S/32E	100 FSL/330 FEL	100 FSL/660 FEL	9,600'	9,980'	19,706	20,186
Dos Equis 12-13 Fed Com 87H	30-025-50137	12/24S/32E	360 FNL/ 1450 FEL	300 FNL/ 1470 FEL	13/24S/32E	100FSL /1386 FEL	100 FSL/330 FEL	12,340'	11,550'	22,258	21,803

Sundry ID	Well Name	API	S/T/R	SHL Old	SHL New	S/T/R	BHL Old	BHL New	TVD Old	TVD New	MD Old	MD New
2763422	Dos Equis 12-13 Fed Com 75H	30-025-50125	12/24S/32E	300 FNL/ 2410 FEL	NO CHANGE	13/24S/32E	100 FSL/2000 FEL	100 FSL/1650 FEL	9,600'	11,550'	19,510	21,718

Drilling Plan Amendments

Sec 1 - Geologic FormationsSee attached drilling plan.

Sec 2 - Blowout PreventionOld5M10MNew2M3M5M

Section 3 - CasingOld

Hole Size	Casing Depth From	Casing Depth To	Setting Depth TVD	Casing Size	Weight (lb/ft)	Grade	Conn.	SF Collapse	SF Burst	SF Tension
17 1/2	0	1235	1235	13-3/8"	48.00	H-40	ST&C	1.38	3.23	5.43
12 1/4	0	4900	4900	9-5/8"	36.00	J-55	ST&C	1.21	1.38	2.23
8 3/4	0	9150	9150	5-1/2"	20.00	L-80	LT&C	2.18	2.27	2.17
8 3/4	9150	19511	9600	5-1/2"	20.00	L-80	BT&C	2.08	2.12	51.78
BLM Minimum Safety Factor								1.125	1	1.6 Dry 1.8 Wet

New

Hole Size	Casing Depth From	Casing Depth To	Setting Depth TVD	Casing Size	Weight (lb/ft)	Grade	Conn.	SF Collapse	SF Burst	SF Tension
17 1/2	0	1213	1213	13-3/8"	48.00	H-40/J-55 Hybrid	ST&C	1.41	3.29	5.53
12 1/4	0	4987	4947	9-5/8"	40.00	HCK-55	LT&C	1.48	1.54	2.84
8 3/4	0	11017	11017	7"	29.00	L-80	LT&C	1.36	1.58	1.76
8 3/4	11017	11767	11507	7"	29.00	L-80	LT&C	1.30	1.52	41.31
6	10517	21719	11550	4-1/2"	11.60	P-110	BT&C	1.33	1.88	30.63
BLM Minimum Safety Factor								1.125	1	1.6 Dry 1.8 Wet

Section 4 - CementOld

Casing	# Sks	Wt. lb/gal	Yld ft3/sack	H2O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surface	599	13.50	1.72	9.15	15.5	Lead: Class C + Bentonite
	160	14.80	1.34	6.32	9.5	Tail: Class C + LCM
Intermediate	919	12.90	1.88	9.65	12	Lead: 35:65 (Poz:C) + Salt + Bentonite
	286	14.80	1.34	6.32	9.5	Tail: Class C + LCM
Production	812	13.50	1.72	9.15	15.5	Lead: Class C + Bentonite
	2442	14.80	1.34	6.32	9.5	Tail: Class C + LCM

New

Casing	# Sks	Wt. lb/gal	Yld ft3/sack	H2O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surface	588	13.50	1.72	9.15	15.5	Lead: Class C + Bentonite
	158	14.80	1.34	6.32	9.5	Tail: Class C + LCM
Intermediate	937	12.90	1.88	9.65	12	Lead: 35:65 (Poz:C) + Salt + Bentonite
	292	14.80	1.34	6.32	9.5	Tail: Class C + LCM
Production	383	10.30	3.64	22.18		Lead: Tuned Light + LCM
	125	14.80	1.36	6.57	9.5	Tail: Class C + Retarder
Completion System	738	14.20	1.30	5.86	14:30	Tail: 50:50 (Poz:H) + Salt + Bentonite + Fluid Loss + Dispersant + SMS

Section 5 - Circulating MediumOld

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0' to 1235'	Fresh Water	7.83 - 8.33	28	N/C
1235' to 4900'	Brine Water	9.50 - 10.00	30-32	N/C
4900' to 19511'	Cut Brine or OBM	8.00 - 8.50	27-70	N/C

New

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0' to 1213'	Fresh Water	7.83 - 8.33	28	N/C
1213' to 4987'	Brine Water	9.50 - 10.00	30-32	N/C
4987' to 11767'	Cut Brine or OBM	8.50 - 9.00	27-70	N/C
12090' to 21719'	OBM	9.00 - 9.50	50-70	N/C

Section 7 - PressureOld4243New5705

1. Geological Formations

TVD of target 11,550

Pilot Hole TD N/A

MD at TD 21,719

Deepest expected fresh water

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone	Hazards
Rustler	1163	N/A	
Top of Salt	1545	N/A	
Base Salt	4907	N/A	
Bell Canyon	4947	N/A	
Cherry Canyon	5874	N/A	
Brushy Canyon	7310	N/A	
Basal Brushy Canyon	8631	N/A	
Bone Spring Lime	8850	Hydrocarbons	
Leonard	9031	Hydrocarbons	
Avalon	9283	Hydrocarbons	
1st Bone Spring Sand	9982	Hydrocarbons	
2nd Bone Spring Sand	10558	Hydrocarbons	
3rd Bone Spring Carb	11083	Hydrocarbons	
Harkey - Target	11550	Hydrocarbons	

2. Casing Program

Hole Size	Casing Depth From	Casing Depth To	Setting Depth TVD	Casing Size	Weight (lb/ft)	Grade	Conn.	SF Collapse	SF Burst	SF Tension
17 1/2	0	1213	1213	13-3/8"	48.00	H-40/J-55 Hybrid	ST&C	1.41	3.29	5.53
12 1/4	0	4987	4947	9-5/8"	40.00	HCK-55	LT&C	1.48	1.54	2.84
8 3/4	0	11017	11017	7"	29.00	L-80	LT&C	1.36	1.58	1.76
8 3/4	11017	11767	11507	7"	29.00	L-80	LT&C	1.30	1.52	41.31
6	10517	21719	11550	4-1/2"	11.60	P-110	BT&C	1.33	1.88	30.63
BLM Minimum Safety Factor								1.125	1	1.6 Dry 1.8 Wet

TVD was used on all calculations.

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

Cimarex Energy Co., Dos Equis 12-13 Federal Com 75H

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Does casing meet API specifications? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	N
Is well within the designated 4 string boundary.	N
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3rd string cement tied back 500' into previous casing?	N
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	N
Is 2nd string set 100' to 600' below the base of salt?	N
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	N
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	N
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	N
Is AC Report included?	Y

3. Cementing Program

Casing	# Sk	Wt. lb/gal	Yld ft ³ /sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surface	588	13.50	1.72	9.15	15.5	Lead: Class C + Bentonite
	158	14.80	1.34	6.32	9.5	Tail: Class C + LCM
Intermediate	937	12.90	1.88	9.65	12	Lead: 35:65 (Poz:C) + Salt + Bentonite
	292	14.80	1.34	6.32	9.5	Tail: Class C + LCM
Production	383	10.30	3.64	22.18		Lead: Tuned Light + LCM
	125	14.80	1.36	6.57	9.5	Tail: Class C + Retarder
Completion System	738	14.20	1.30	5.86	14:30	Tail: 50:50 (Poz:H) + Salt + Bentonite + Fluid Loss + Dispersant + SMS

Casing String	TOC	% Excess
Surface	0	45
Intermediate	0	50
Production	4787	25
Completion System	11567	10

Cimarex request the ability to perform casing integrity tests after plug bump of cement job.

4. Pressure Control Equipment

A variance is requested for the use of a diverter on the surface casing. See attached for schematic.					
BOP installed and tested before drilling which hole?	Size	Min Required WP	Type		Tested To
12 1/4	13 5/8	2M	Annular	X	50% of working pressure
			Blind Ram		2M
			Pipe Ram		
			Double Ram	X	
			Other		
8 3/4	13 5/8	3M	Annular	X	50% of working pressure
			Blind Ram		3M
			Pipe Ram		
			Double Ram	X	
			Other		
6	13 5/8	5M	Annular	X	50% of working pressure
			Blind Ram		5M
			Pipe Ram	X	
			Double Ram	X	
			Other		

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

X	Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.				
X	A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.				
N	Are anchors required by manufacturer?				

5. Mud Program

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0' to 1213'	Fresh Water	7.83 - 8.33	28	N/C
1213' to 4987'	Brine Water	9.50 - 10.00	30-32	N/C
4987' to 11767'	Cut Brine or OBM	8.50 - 9.00	27-70	N/C
12090' to 21719'	OBM	9.00 - 9.50	50-70	N/C

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	PVT/Pason/Visual Monitoring
---	-----------------------------

6. Logging and Testing Procedures

Logging, Coring and Testing	
	Will run GR/CNL from TD to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
X	No logs are planned based on well control or offset log information.
	Drill stem test?
	Coring?

Additional Logs Planned	Interval
-------------------------	----------

7. Drilling Conditions

Condition	
BH Pressure at deepest TVD	5705 psi
Abnormal Temperature	No

Hydrogen Sulfide (H₂S) monitors will be installed prior to drilling out the surface shoe. If H₂S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.

X	H ₂ S is present
X	H ₂ S plan is attached

8. Other Facets of Operation**9. Wellhead**

A multi-bowl wellhead system will be utilized.

After running the 13-3/8" surface casing, a 13 5/8" BOP/BOPE system with a minimum working pressure of 5000 psi will be installed on the wellhead system and will be pressure tested to 250 psi low followed by a 5000 psi test. Annular will be tested to 50% of working pressure. The pressure test will be repeated at least every 30 days, as per Onshore Order No. 2.

The multi-bowl wellhead will be installed by vendor's representative. A copy of the installation instructions has been sent to the BLM field office.

The wellhead will be installed by a third-party welder while being monitored by the wellhead vendor representative.

All BOP equipment will be tested utilizing a conventional test plug. Not a cup or J-packer type.

A solid steel body pack-off will be utilized after running and cementing the intermediate casing. After installation the pack-off and lower flange will be pressure tested to 5000 psi.

A solid steel body pack-off will be utilized after running and cementing the production casing. After installation the pack-off and lower flange will be pressure tested to 5000 psi.

All casing strings will be tested as per Onshore Order No.2 to at least 0.22 psi/ft or 1,500 whichever is greater and not to exceed 70% of casing burst.

If well conditions dictate conventional slips will be set and BOPE will be tested to appropriate pressures based on permitted pressure requirements.

Variance Request #1: Skid Rig after Cementing Surface Casing

Coterra requests permission to skid the rig to the next well on the pad in order to begin operations immediately after the cement job for the surface casing has been completed. After the cement job is completed, no operations on the subject well will be conducted until at least 8 hours have elapsed, and both lead and tail slurries have achieved 500 psi compressive strength. While cement cures, the surface casing of the subject well will be suspended in the well by a mandrel and landing ring system, which is independent from the rig and ensures that casing remains centered while the rig is active on other wells.

Variance Request #4: Utilize Co-Flex Choke Line

Coterra requests approval to utilize a co-flex choke line between the BOP and choke manifold. Certification for the proposed co-flex choke line is attached. The choke line is not required by the manufacturer to be anchored. In the event the specific co-flex choke line is not available, one of equal or higher rating will be used. Variance to include Hammer Union connections on lines downstream of the buffer tank only.

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

☐ AMENDED REPORT

2000' 1000' 0' 2000'

SCALE

DRAWN BY: S.T.O. 12-16-19

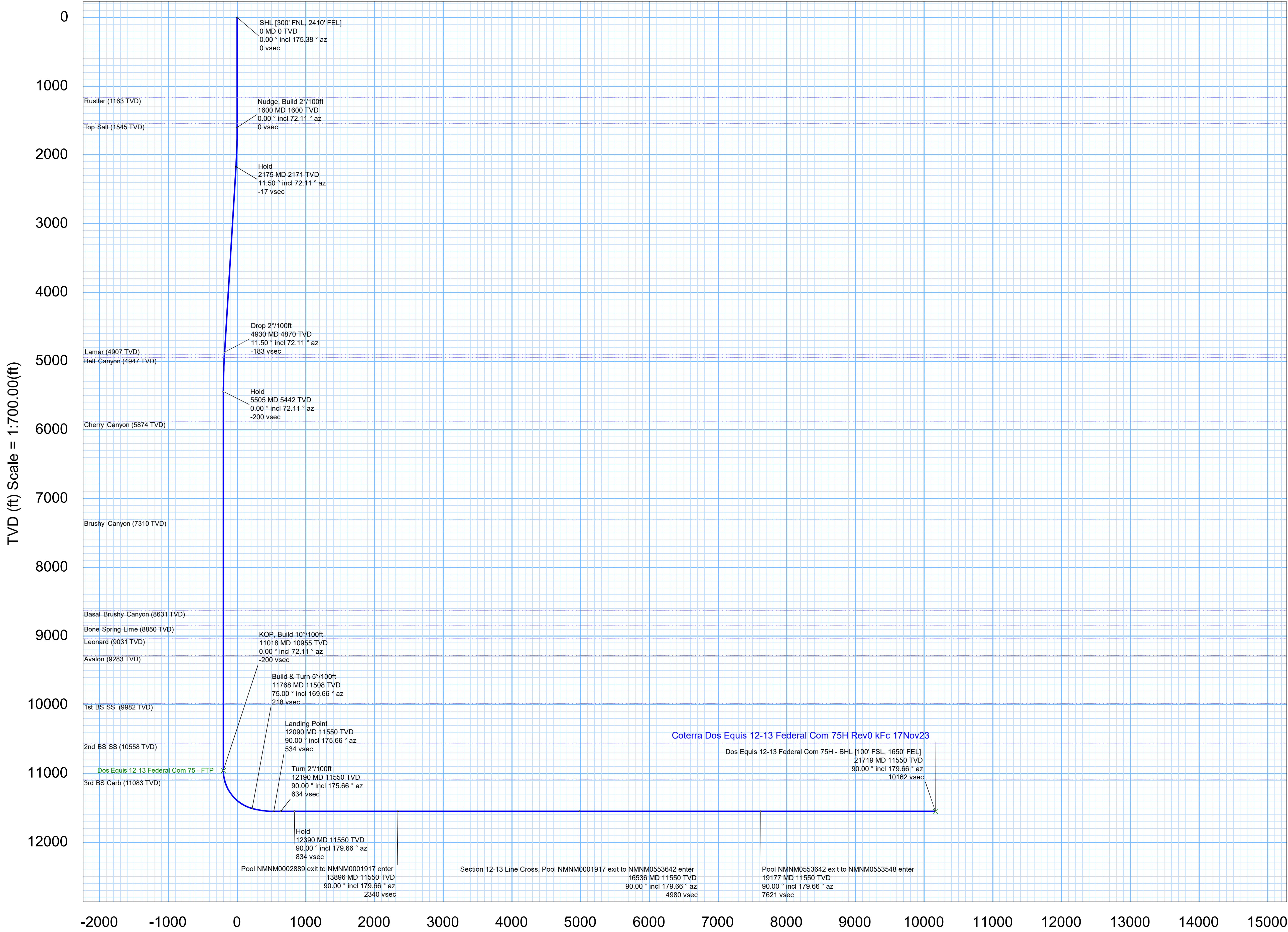
REV: 3 N.R. 10-09-23

(UPDATE WELLBORE)

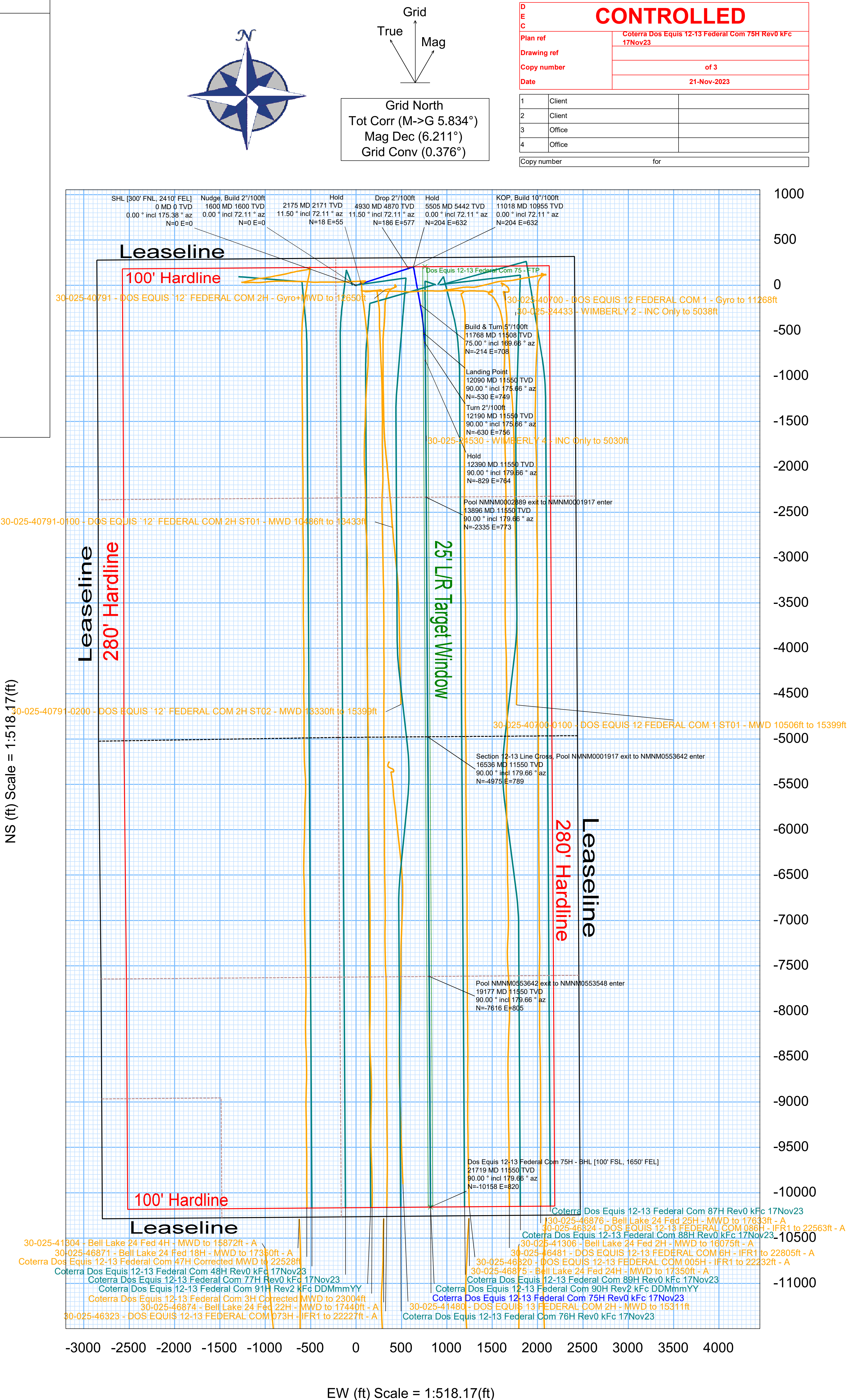
Borehole: Dos Equis 12-13 Federal Com 75H		Well: Dos Equis 12-13 Federal Com 75H		Field: NM Lea County (NAD 83)		Structure: Coterra Dos Equis 12-13 Federal Com Pad 5	
--	--	--	--	----------------------------------	--	---	--

Gravity & Magnetic Parameters				Surface Location				Miscellaneous			
Model:	HDGM 2022	Dip:	59.792°	Date:	17-Nov-2023	Lat:	N 32 14 19.08	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Slot:	Dos Equis 12-13	TVD Ref:
MagDec:	6.211°	FS:	47446.125nT	Gravity FS:	998.439mgn (9.80665 Based)	Lon:	W 103 37 39.29	Northing:	451265.17ftUS	Federal Com 75H	RKB (3627.100 ft above MSL)
								Easting:	759546.35ftUS	Coterra Dos Equis 12-13 Federal Com 75H Rev0 kFc 17Nov23	
								Grid Conv:	0.3765°		
								Scale Fact:	0.99996362		

Critical Points								
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
SHL [300' FNL, 2410' FEL]	0.00	0.00	175.38	0.00	0.00	0.00	0.00	
Rustler	1163.00	0.00	72.11	1163.00	0.00	0.00	0.00	0.00
Top Salt	1545.00	0.00	72.11	1545.00	0.00	0.00	0.00	0.00
Nudge, Build 2°/100ft	1600.00	0.00	72.11	1600.00	0.00	0.00	0.00	0.00
Hold	2174.92	11.50	72.11	2171.06	-17.34	17.66	54.71	2.00
Drop 2°/100ft	4929.61	11.50	72.11	4870.48	-182.91	186.34	577.29	0.00
Lamar	4966.84	10.75	72.11	4907.00	-185.08	188.55	584.12	2.00
Bell Canyon	5007.50	9.94	72.11	4947.00	-187.28	190.79	591.07	2.00
Hold	5504.53	0.00	72.11	5441.54	-200.25	204.00	632.00	2.00
Cherry Canyon	5936.99	0.00	72.11	5874.00	-200.25	204.00	632.00	0.00
Brushy Canyon	7372.99	0.00	72.11	7310.00	-200.25	204.00	632.00	0.00
Basal Brushy Canyon	8693.99	0.00	72.11	8631.00	-200.25	204.00	632.00	0.00
Bone Spring Lime	8912.99	0.00	72.11	8850.00	-200.25	204.00	632.00	0.00
Leonard	9093.99	0.00	72.11	9031.00	-200.25	204.00	632.00	0.00
Avalon	9345.99	0.00	72.11	9283.00	-200.25	204.00	632.00	0.00
1st BS SS	10044.99	0.00	72.11	9982.00	-200.25	204.00	632.00	0.00
2nd BS SS	10620.99	0.00	72.11	10558.00	-200.25	204.00	632.00	0.00
KOP, Build 10°/100ft	11017.53	0.00	72.11	10954.54	-200.25	204.00	632.00	0.00
3rd BS Carb	11147.09	12.96	169.66	11083.00	-185.88	189.65	634.62	10.00
Build & Turn 5°/100ft	11767.53	75.00	169.66	11507.97	217.97	-213.77	708.22	10.00
Landing Point	12090.13	90.00	175.66	11550.00	534.40	-529.97	748.66	5.00
Turn 2°/100ft	12190.13	90.00	175.66	11550.00	634.16	-629.68	756.23	0.00
Hold	12389.94	90.00	179.66	11550.00	833.81	-829.29	764.39	2.00
Pool NMNM0002889 exit to NMNM0001917 enter	13896.00	90.00	179.66	11550.00	2339.87	-2335.32	773.43	0.00
Section 12-13 Line Cross, Pool NMNM0001917 exit	16536.00	90.00	179.66	11550.00	4979.87	-4975.27	789.26	0.00
to NMNM0553642 enter								
Pool NMNM0553642 exit to NMNM0553548 enter	19177.00	90.00	179.66	11550.00	7620.87	-7616.23	805.11	0.00
Dos Equis 12-13 Federal Com 75H - BHL [100' FSL, 1650' FEL]	21718.53	90.00	179.66	11550.00	10162.40	-10157.71	820.35	0.00



Vertical Section (ft) Azim = 179.66° Scale = 1:700.00(ft) Origin = 0N/-S, 0E/-W



EW (ft) Scale = 1:518.17(ft)

Schlumberger

Coterra Dos Equis 12-13 Federal Com 75H Rev0 kFc 17Nov23 Proposal

Geodetic Report

Def Plan

Report Date: November 21, 2023 - 07:13 PM (UTC 0)
Client: COTERRA
Field: NM Lea County (NAD 83)
Structure / Slot: Coterra Dos Equis 12-13 Federal Com Pad 5 / Dos Equis 12-13 Federal
Well: Dos Equis 12-13 Federal Com 75H
Borehole: Dos Equis 12-13 Federal Com 75H
UBH / API#: Unknown / Unknown
Survey Name: Coterra Dos Equis 12-13 Federal Com 75H Rev0 kFc 17Nov23
Survey Date: November 21, 2023
Tort / AHD / DDI / ERD Ratio: 118.125 " / 11036.097 ft / 6.389 / 0.956
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: 32°14'19.07886"N, 103°37'39.28958"W
Location Grid N/E Y/X: N 451265.170 RUS, E 759546.350 RUS
CRS Grid Convergence Angle: 0.376"
Grid Scale Factor: 0.99996362
Version / Patch: 2023.1.0.1

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 179.660 °(GRID North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3627.100 ft above MSL
Sealed / Ground Elevation: 3804.100 ft above MSL
Magnetic Declination: 6.211°
Total Gravity Field Strength: 998.438mgm (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47446.125 nT
Magnetic Dip Angle: 59.792°
Declination Date: November 17, 2023
Magnetic Declination Model: HDGM 2022
North Reference: Grid North
Grid Convergence Used: 0.376"
Total Corr Mag North->Grid North: 5.834°
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSECC (ft)	NS (ft)	EW (ft)	Northing (RUS)	Easting (RUS)	Latitude (°)	Longitude (°)	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)
SHL [300° FNL, 2410° FEL]	0.00	0.00	175.38	0.00	-3,627.10	0.00	0.00	0.00	451,265.17	759,546.35	32.23863302	-103.62758044			
	100.00	0.00	72.11	100.00	-3,527.10	0.00	0.00	0.00	451,265.17	759,546.35	32.23863302	-103.62758044	0.00	0.00	0.00
	200.00	0.00	72.11	200.00	-3,427.10	0.00	0.00	0.00	451,265.17	759,546.35	32.23863302	-103.62758044	0.00	0.00	0.00
	300.00	0.00	72.11	300.00	-3,327.10	0.00	0.00	0.00	451,265.17	759,546.35	32.23863302	-103.62758044	0.00	0.00	0.00
	400.00	0.00	72.11	400.00	-3,227.10	0.00	0.00	0.00	451,265.17	759,546.35	32.23863302	-103.62758044	0.00	0.00	0.00
	500.00	0.00	72.11	500.00	-3,127.10	0.00	0.00	0.00	451,265.17	759,546.35	32.23863302	-103.62758044	0.00	0.00	0.00
	600.00	0.00	72.11	600.00	-3,027.10	0.00	0.00	0.00	451,265.17	759,546.35	32.23863302	-103.62758044	0.00	0.00	0.00
	700.00	0.00	72.11	700.00	-2,927.10	0.00	0.00	0.00	451,265.17	759,546.35	32.23863302	-103.62758044	0.00	0.00	0.00
	800.00	0.00	72.11	800.00	-2,827.10	0.00	0.00	0.00	451,265.17	759,546.35	32.23863302	-103.62758044	0.00	0.00	0.00
	900.00	0.00	72.11	900.00	-2,727.10	0.00	0.00	0.00	451,265.17	759,546.35	32.23863302	-103.62758044	0.00	0.00	0.00
	1,000.00	0.00	72.11	1,000.00	-2,627.10	0.00	0.00	0.00	451,265.17	759,546.35	32.23863302	-103.62758044	0.00	0.00	0.00
	1,100.00	0.00	72.11	1,100.00	-2,527.10	0.00	0.00	0.00	451,265.17	759,546.35	32.23863302	-103.62758044	0.00	0.00	0.00
	1,163.00	0.00	72.11	1,163.00	-2,464.10	0.00	0.00	0.00	451,265.17	759,546.35	32.23863302	-103.62758044	0.00	0.00	0.00
	1,200.00	0.00	72.11	1,200.00	-2,427.10	0.00	0.00	0.00	451,265.17	759,546.35	32.23863302	-103.62758044	0.00	0.00	0.00
	1,300.00	0.00	72.11	1,300.00	-2,327.10	0.00	0.00	0.00	451,265.17	759,546.35	32.23863302	-103.62758044	0.00	0.00	0.00
Rustler□	1,400.00	0.00	72.11	1,400.00	-2,227.10	0.00	0.00	0.00	451,265.17	759,546.35	32.23863302	-103.62758044	0.00	0.00	0.00
	1,500.00	0.00	72.11	1,500.00	-2,127.10	0.00	0.00	0.00	451,265.17	759,546.35	32.23863302	-103.62758044	0.00	0.00	0.00
	1,545.00	0.00	72.11	1,545.00	-2,082.10	0.00	0.00	0.00	451,265.17	759,546.35	32.23863302	-103.62758044	0.00	0.00	0.00
	1,600.00	0.00	72.11	1,600.00	-2,027.10	0.00	0.00	0.00	451,265.17	759,546.35	32.23863302	-103.62758044	0.00	0.00	0.00
	1,700.00	2.00	72.11	1,699.98	-1,927.12	-0.53	0.54	1.66	451,265.71	759,548.01	32.23863446	-103.62757506	2.00	2.00	0.00
	1,800.00	4.00	72.11	1,799.84	-1,827.26	-2.10	2.14	6.64	451,267.31	759,552.99	32.23863879	-103.62755892	2.00	2.00	0.00
	1,900.00	6.00	72.11	1,899.45	-1,727.65	-4.73	4.82	14.93	451,269.99	759,561.28	32.23864600	-103.62753204	2.00	2.00	0.00
	2,000.00	8.00	72.11	1,998.70	-1,628.40	-8.41	8.56	26.53	451,273.73	759,572.88	32.23865608	-103.62749445	2.00	2.00	0.00
	2,100.00	10.00	72.11	2,097.47	-1,529.63	-13.12	13.37	41.42	451,278.54	759,587.77	32.23866902	-103.62744621	2.00	2.00	0.00
	2,174.92	11.50	72.11	2,171.06	-1,456.04	-17.34	17.66	54.71	451,282.83	759,601.06	32.23868057	-103.62740312	2.00	2.00	0.00
	2,200.00	11.50	72.11	2,195.65	-1,431.45	-18.84	19.20	59.47	451,284.37	759,605.82	32.23868471	-103.62738770	0.00	0.00	0.00
	2,300.00	11.50	72.11	2,293.64	-1,333.46	-24.85	25.32	78.44	451,290.49	759,624.79	32.23870120	-103.62732622	0.00	0.00	0.00
	2,400.00	11.50	72.11	2,391.63	-1,235.47	-30.87	31.44	97.41	451,296.61	759,643.76	32.23871768	-103.62726474	0.00	0.00	0.00
	2,500.00	11.50	72.11	2,489.62	-1,137.48	-36.88	37.57	116.38	451,302.74	759,662.73	32.23873417	-103.62720326	0.00	0.00	0.00
	Top Salt□ Nudge, Build 2°/100ft	2,600.00	11.50	72.11	2,587.62	-1,039.48	-42.89	43.69	135.35	451,308.86	759,681.70	32.23875066	-103.62714178	0.00	0.00
2,700.00		11.50	72.11	2,685.61	-941.49	-48.90	49.81	154.32	451,314.98	759,700.67	32.23877615	-103.62708030	0.00	0.00	0.00
2,800.00		11.50	72.11	2,783.60	-843.50	-54.91	55.94	173.29	451,321.10	759,719.64	32.23878363	-103.62701882	0.00	0.00	0.00
2,900.00		11.50	72.11	2,881.60	-745.50	-60.92	62.06	192.26	451,327.23	759,738.61	32.23880012	-103.62695734	0.00	0.00	0.00
3,000.00		11.50	72.11	2,979.59	-647.51	-66.93	68.18	211.23	451,333.35	759,757.58	32.23881661	-103.62689586	0.00	0.00	0.00
3,100.00		11.50	72.11	3,077.58	-549.52	-72.94	74.31	230.20	451,339.47	759,776.55	32.23883309	-103.62683438	0.00	0.00	0.00
3,200.00		11.50	72.11	3,175.58	-451.52	-78.95	80.43	249.17	451,345.60	759,795.52	32.23884958	-103.62677291	0.00	0.00	0.00
3,300.00		11.50	72.11	3,273.57	-353.53	-84.96	86.55	268.15	451,351.72	759,814.48	32.23886607	-103.62671143	0.00	0.00	0.00
3,400.00		11.50	72.11	3,371.56	-255.54	-90.97	92.68	287.12	451,357.84	759,833.45	32.23888256	-103.62664995	0.00	0.00	0.00
3,500.00		11.50	72.11	3,469.56	-157.54	-96.98	98.80	306.09	451,363.97	759,852.42	32.23889904	-103.62658847	0.00	0.00	0.00
3,600.00		11.50	72.11	3,567.55	-59.55	-102.99	104.92	325.06	451,370.09	759,871.39	32.23891553	-103.62652699	0.00	0.00	0.00
3,700.00		11.50	72.11	3,665.54	38.44	-109.00	111.05	344.03	451,376.21	759,890.36	32.23893202	-103.62646551	0.00	0.00	0.00
3,800.00		11.50	72.11	3,763.53	136.43	-115.01	117.17	363.00	451,382.34	759,909.33	32.23894851	-103.62640403	0.00	0.00	0.00
3,900.00		11.50	72.11	3,861.53	234.43	-121.02	123.29	381.97	451,388.46	759,928.30	32.23896499	-103.62634255	0.00	0.00	0.00
4,000.00		11.50	72.11	3,959.52	332.42	-127.03	129.42	400.94	451,394.58	759,947.27	32.23898148	-103.62628107	0.00	0.00	0.00
4,100.00		11.50	72.11	4,057.51	430.41	-133.05	135.54	419.91	451,400.70	759,966.24	32.23899797	-103.62621959	0.00	0.00	0.00
4,200.00		11.50	72.11	4,155.51	528.41	-139.06	141.60	438.88	451,406.82	759,985.21	32.23901445	-103.62615811	0.00	0.00	0.00
4,300.00		11.50	72.11	4,253.50	626.40	-145.07	147.79	457.85	451,412.95	760,004.18	32.23903094	-103.62609663	0.00	0.00	0.00
4,400.00		11.50	72.11	4,351.49	724.39	-151.08	153.91	476.82	451,419.07	760,023.15	32.23904743	-103.62603515	0.00	0.00	0.00
4,500.00		11.50	72.11	4,449.49	822.39	-157.09	160.03	495.79	451,425.20	760,042.12	32.23906391	-103.62597367	0.00	0.00	0.00
4,600.00		11.50	72.11	4,547.48	920.38	-163.10	166.16	514.76	451,431.32	760,061.09	32.23908040	-103.62591219	0.00	0.00	0.00
4,700.00		11.50	72.11	4,645.47	1,018.37	-169.11	172.28	533.73	451,437.44	760,080.06	32.23909689	-103.62585071	0.00	0.00	0.00
4,800.00		11.50	72.11	4,743.46	1,116.36	-175.12	178.40	552.70	451,443.57	760,099.03	32.23911338	-103.62578923	0.00	0.00	0.00
4,900.00		11.50	72.11	4,841.46	1,214.36	-181.13	184.53	571.67	451,449.69	760,118.00	32.23912986	-103.62572775	0.00	0.00	0.00
Drop 2°/100ft Lamar□		4,929.61	11.50	72.11	4,870.48	1,242.39	-182.91	186.30	577.41	451,451.50	760,125.61	32.23913474	-103.62570925	0.00	0.00
4,966.84	10.75	72.11	4,907.00	1,279.90	-185.08	188.55	584.12	451,453.71	760,130.45	32.23914069	-103.62568740	2.00	-2.00	0.00	
Bell Canyon□	5,000.00	10.09	72.11	4,939.62	1,312.52	-186.88	190.39	589.83	451,455.55	760,136.16	32.23914565	-103.62566889	2.00	-2.00	0.00
	5,007.50	9.94	72.11	4,947.00	1,319.90	-187.28	190.79	591.07	451,455.95	760,137.40	32.23914673	-103.62566487	2.00	-2.00	0.00
	5,100.00	8.09	72.11	5,038.36	1,411.26	-191.65	195.24	604.86	451,460.40	760,151.19	32.23915871	-103.62562017	0.00	-2.00	0.00
	5,200.00	6.09	72.11	5,137.59	1,510.49	-195.37	199.03	616.91	451,464.20	760,162.94	32.23916892	-103.62558210	2.00	-2.00	0.00
	5,300.00	4.09	72.11	5,237.19	1,610.09	-198.05	201.76	625.05	451,466.92	760,171.38	32.23917626	-103.62555473	2.00	-2.00	0.00
	5,400.00	2.09	72.11	5,337.04	1,709.94	-199.67	203.99	632.09	451,469.16	760,176.51	32.23918073	-103.62553811	2.00	-2.00	0.00
	5,500.00	0.09	72.11	5,437.01	1,809.91	-200.24	204.00	632.00	451,469.16	760,178.33	32.23918229	-103.62553223	2.00	-2.00	0.00
	5,504.53	0.00	72.11	5,441.54	1,814.44	-200.25	204.00	632.00							

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDS (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (RUS)	Easting (RUS)	Latitude (°)	Longitude (°)	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)
Avalon	9,100.00	0.00	72.11	9,037.01	5,409.91	-200.25	204.00	632.00	451,469.16	760,178.33	32.23918230	-103.62553223	0.00	0.00	0.00
	9,200.00	0.00	72.11	9,137.01	5,509.91	-200.25	204.00	632.00	451,469.16	760,178.33	32.23918230	-103.62553223	0.00	0.00	0.00
	9,300.00	0.00	72.11	9,237.01	5,609.91	-200.25	204.00	632.00	451,469.16	760,178.33	32.23918230	-103.62553223	0.00	0.00	0.00
	9,345.99	0.00	72.11	9,283.00	5,655.90	-200.25	204.00	632.00	451,469.16	760,178.33	32.23918230	-103.62553223	0.00	0.00	0.00
	9,400.00	0.00	72.11	9,337.01	5,709.91	-200.25	204.00	632.00	451,469.16	760,178.33	32.23918230	-103.62553223	0.00	0.00	0.00
	9,500.00	0.00	72.11	9,437.01	5,809.91	-200.25	204.00	632.00	451,469.16	760,178.33	32.23918230	-103.62553223	0.00	0.00	0.00
	9,600.00	0.00	72.11	9,537.01	5,909.91	-200.25	204.00	632.00	451,469.16	760,178.33	32.23918230	-103.62553223	0.00	0.00	0.00
	9,700.00	0.00	72.11	9,637.01	6,009.91	-200.25	204.00	632.00	451,469.16	760,178.33	32.23918230	-103.62553223	0.00	0.00	0.00
	9,800.00	0.00	72.11	9,737.01	6,109.91	-200.25	204.00	632.00	451,469.16	760,178.33	32.23918230	-103.62553223	0.00	0.00	0.00
	9,900.00	0.00	72.11	9,837.01	6,209.91	-200.25	204.00	632.00	451,469.16	760,178.33	32.23918230	-103.62553223	0.00	0.00	0.00
1st BS SS	10,000.00	0.00	72.11	9,937.01	6,309.91	-200.25	204.00	632.00	451,469.16	760,178.33	32.23918230	-103.62553223	0.00	0.00	0.00
	10,044.99	0.00	72.11	9,982.00	6,354.90	-200.25	204.00	632.00	451,469.16	760,178.33	32.23918230	-103.62553223	0.00	0.00	0.00
	10,100.00	0.00	72.11	10,037.01	6,409.91	-200.25	204.00	632.00	451,469.16	760,178.33	32.23918230	-103.62553223	0.00	0.00	0.00
	10,200.00	0.00	72.11	10,137.01	6,509.91	-200.25	204.00	632.00	451,469.16	760,178.33	32.23918230	-103.62553223	0.00	0.00	0.00
	10,300.00	0.00	72.11	10,237.01	6,609.91	-200.25	204.00	632.00	451,469.16	760,178.33	32.23918230	-103.62553223	0.00	0.00	0.00
	10,400.00	0.00	72.11	10,337.01	6,709.91	-200.25	204.00	632.00	451,469.16	760,178.33	32.23918230	-103.62553223	0.00	0.00	0.00
	10,500.00	0.00	72.11	10,437.01	6,809.91	-200.25	204.00	632.00	451,469.16	760,178.33	32.23918230	-103.62553223	0.00	0.00	0.00
	10,600.00	0.00	72.11	10,537.01	6,909.91	-200.25	204.00	632.00	451,469.16	760,178.33	32.23918230	-103.62553223	0.00	0.00	0.00
	10,620.99	0.00	72.11	10,558.00	6,930.90	-200.25	204.00	632.00	451,469.16	760,178.33	32.23918230	-103.62553223	0.00	0.00	0.00
	10,700.00	0.00	72.11	10,637.01	7,009.91	-200.25	204.00	632.00	451,469.16	760,178.33	32.23918230	-103.62553223	0.00	0.00	0.00
2nd BS SS	10,800.00	0.00	72.11	10,737.01	7,109.91	-200.25	204.00	632.00	451,469.16	760,178.33	32.23918230	-103.62553223	0.00	0.00	0.00
	10,900.00	0.00	72.11	10,837.01	7,209.91	-200.25	204.00	632.00	451,469.16	760,178.33	32.23918230	-103.62553223	0.00	0.00	0.00
	11,000.00	0.00	72.11	10,937.01	7,309.91	-200.25	204.00	632.00	451,469.16	760,178.33	32.23918230	-103.62553223	0.00	0.00	0.00
	11,017.53	0.00	72.11	10,954.54	7,327.44	-200.25	204.00	632.00	451,469.16	760,178.33	32.23918230	-103.62553223	0.00	0.00	0.00
	11,100.00	8.25	169.66	11,036.73	7,409.63	-194.41	198.17	633.06	451,463.33	760,179.39	32.23916626	-103.62552891	10.00	10.00	0.00
	11,147.09	12.96	169.66	11,083.00	7,455.90	-185.88	189.65	634.62	451,454.81	760,180.94	32.23914281	-103.62552407	10.00	10.00	0.00
	11,200.00	16.96	169.66	11,133.94	7,506.84	-175.66	184.06	637.17	451,440.82	760,183.50	32.23910430	-103.62551611	10.00	10.00	0.00
	11,300.00	28.25	169.66	11,225.71	7,598.61	-133.05	136.68	644.25	451,402.04	760,190.57	32.23899758	-103.62549405	10.00	10.00	0.00
	11,400.00	38.25	169.66	11,309.23	7,682.13	-79.13	83.01	654.07	451,348.18	760,200.40	32.23884935	-103.62546342	10.00	10.00	0.00
	11,500.00	48.25	169.66	11,381.98	7,754.88	-11.74	15.69	666.36	451,280.86	760,212.68	32.23866410	-103.62542513	10.00	10.00	0.00
KOP, Build 10°/100ft	11,600.00	58.25	169.66	11,441.74	7,814.64	67.07	-63.03	680.72	451,202.14	760,227.04	32.23844747	-103.62538036	10.00	10.00	0.00
	11,700.00	68.25	169.66	11,486.70	7,859.60	154.89	-150.76	696.73	451,114.41	760,243.05	32.23820603	-103.62533046	10.00	10.00	0.00
	11,767.53	75.00	169.66	11,507.97	7,880.87	217.97	-213.77	708.22	451,051.41	760,254.55	32.23803264	-103.62529463	10.00	10.00	0.00
	11,800.00	76.51	170.29	11,515.97	7,888.87	248.99	-244.76	713.70	451,020.42	760,260.02	32.23794736	-103.62527757	5.00	4.64	1.89
	11,900.00	81.15	172.18	11,535.34	7,908.24	346.01	-341.69	728.64	450,923.49	760,274.96	32.23768067	-103.62513134	5.00	4.64	1.89
	12,000.00	85.80	174.02	11,546.70	7,919.60	444.68	-440.29	740.56	450,824.90	760,286.89	32.23749044	-103.62519487	5.00	4.65	1.84
	12,090.13	90.00	175.66	11,550.00	7,922.90	534.40	-529.97	748.66	450,735.22	760,294.98	32.23716281	-103.62517060	5.00	4.66	1.82
	12,100.00	90.00	175.66	11,550.00	7,922.90	544.25	-539.81	749.41	450,725.38	760,295.73	32.23713573	-103.62516839	0.00	0.00	0.00
	12,190.13	90.00	175.66	11,550.00	7,922.90	634.16	-629.68	756.23	450,635.51	760,302.55	32.23688860	-103.62514825	0.00	0.00	0.00
	12,200.00	90.00	175.66	11,550.00	7,922.90	644.01	-639.53	756.96	450,625.67	760,303.28	32.23686152	-103.62514610	2.00	0.00	2.00
Landing Point	12,300.00	90.00	177.86	11,550.00	7,922.90	743.89	-739.37	762.44	450,525.82	760,308.76	32.23658699	-103.62513050	2.00	0.00	2.00
	12,389.94	90.00	179.66	11,550.00	7,922.90	833.81	-829.29	764.39	450,435.91	760,310.71	32.23633981	-103.62512611	2.00	0.00	2.00
	12,400.00	90.00	179.66	11,550.00	7,922.90	843.87	-839.35	764.45	450,425.88	760,310.77	32.23631216	-103.62512613	0.00	0.00	0.00
	12,500.00	90.00	179.66	11,550.00	7,922.90	943.87	-939.35	765.05	450,325.86	760,311.37	32.23603730	-103.62512632	0.00	0.00	0.00
	12,600.00	90.00	179.66	11,550.00	7,922.90	1,043.87	-1,039.35	765.65	450,225.86	760,311.97	32.23576243	-103.62512651	0.00	0.00	0.00
	12,700.00	90.00	179.66	11,550.00	7,922.90	1,143.87	-1,139.34	766.25	450,125.87	760,312.57	32.23548757	-103.62512670	0.00	0.00	0.00
	12,800.00	90.00	179.66	11,550.00	7,922.90	1,243.87	-1,239.34	766.85	450,025.88	760,313.17	32.23521271	-103.62512690	0.00	0.00	0.00
	12,900.00	90.00	179.66	11,550.00	7,922.90	1,343.87	-1,339.34	767.45	449,925.88	760,313.77	32.23493784	-103.62512709	0.00	0.00	0.00
	13,000.00	90.00	179.66	11,550.00	7,922.90	1,443.87	-1,439.34	768.05	449,825.89	760,314.37	32.23466298	-103.62512728	0.00	0.00	0.00
	13,100.00	90.00	179.66	11,550.00	7,922.90	1,543.87	-1,539.34	768.65	449,725.89	760,314.97	32.23438811	-103.62512747	0.00	0.00	0.00
Build & Turn 5°/100ft	13,200.00	90.00	179.66	11,550.00	7,922.90	1,643.87	-1,639.33	769.25	449,625.90	760,315.57	32.23411325	-103.62512766	0.00	0.00	0.00
	13,300.00	90.00	179.66	11,550.00	7,922.90	1,743.87	-1,739.33	769.85	449,525.90	760,316.17	32.23383838	-103.62512786	0.00	0.00	0.00
	13,400.00	90.00	179.66	11,550.00	7,922.90	1,843.87	-1,839.33								

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)
	20,800.00	90.00	179.66	11,550.00	7,922.90	9,243.87	-9,239.20	814.84	442,026.33	760,361.16	32.21322351	-103.62514222	0.00	0.00	0.00
	20,900.00	90.00	179.66	11,550.00	7,922.90	9,343.87	-9,339.20	815.44	441,926.33	760,361.76	32.21294864	-103.62514241	0.00	0.00	0.00
	21,000.00	90.00	179.66	11,550.00	7,922.90	9,443.87	-9,439.19	816.04	441,826.34	760,362.36	32.21267378	-103.62514260	0.00	0.00	0.00
	21,100.00	90.00	179.66	11,550.00	7,922.90	9,543.87	-9,539.19	816.64	441,726.34	760,362.96	32.21239891	-103.62514279	0.00	0.00	0.00
	21,200.00	90.00	179.66	11,550.00	7,922.90	9,643.87	-9,639.19	817.24	441,626.35	760,363.56	32.21212404	-103.62514299	0.00	0.00	0.00
	21,300.00	90.00	179.66	11,550.00	7,922.90	9,743.87	-9,739.19	817.84	441,526.35	760,364.16	32.21184918	-103.62514318	0.00	0.00	0.00
	21,400.00	90.00	179.66	11,550.00	7,922.90	9,843.87	-9,839.19	818.44	441,426.36	760,364.76	32.21157431	-103.62514337	0.00	0.00	0.00
	21,500.00	90.00	179.66	11,550.00	7,922.90	9,943.87	-9,939.19	819.04	441,326.37	760,365.36	32.21129945	-103.62514356	0.00	0.00	0.00
	21,600.00	90.00	179.66	11,550.00	7,922.90	10,043.87	-10,039.18	819.64	441,226.37	760,365.96	32.21102458	-103.62514375	0.00	0.00	0.00
	21,700.00	90.00	179.66	11,550.00	7,922.90	10,143.87	-10,139.18	820.24	441,126.38	760,366.56	32.21074972	-103.62514394	0.00	0.00	0.00
	21,718.53	90.00	179.66	11,550.00	7,922.90	10,162.40	-10,157.71	820.35	441,107.85	760,366.67	32.21069879	-103.62514397	0.00	0.00	0.00
Dos Equis 12-13 Federal Com 75															

Survey Type: Def Plan

Survey Error Model: ISCWSAO 3 - D 95 % Confidence 2.7955 sigma

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Expected Max Inclination (deg)	Survey Tool Code	Vendor / Tool	Borehole / Survey
	1	0.000	11,000.000	1/100.000	—	—		A001Mb_MWD		Dos Equis 12-13 Federal Com 75H / Coterra Dos E
	1	11,000.000	21,699.588	1/100.000	—	—		A008Mb_MWD+IFR1+MS		Dos Equis 12-13 Federal Com 75H / Coterra Dos E

A default hole/casing size was used for A/C calculation because the wellbore size is not defined correctly.

EOU Geometry:

End MD (ft)	Hole Size (in)	Casing Size (in)	Name
1,210.900	14.500	10.750	
	9.875	7.625	
	8.750	7.625	
21,718.528	6.750	5.000	



Coterra Dos Equis 12-13 Federal Com 75H Rev0 kFc 17Nov23 Anti-Collision Summary Report

Analysis Date-24hr Time: November 21, 2023 - 07:13 PM (UTC 0)
Client: COTERRA
Field: NM Lea County (NAD 83)
Structure: Coterra Dos Equis 12-13 Federal Com Pad 5
Slot: Dos Equis 12-13 Federal Com 75H
Well: Dos Equis 12-13 Federal Com 75H
Borehole: Dos Equis 12-13 Federal Com 75H
Scan MD Range: 0.00ft ~ 21718.53ft

Analysis Method: 3D Least Distance
Reference Trajectory: Coterra Dos Equis 12-13 Federal Com 75H Rev0 kFc 17Nov23 (Def Plan)
Depth Interval: Every 10.00 Measured Depth (ft)
Rule Set: NAL Procedure: D&M AntiCollision Standard S002
Min Pts: Absolute minima indicated.
Engine Version: 2023.1.0.1
Database 1 Project: Dos Equis 12-13 Federal Com 75H-COTERRA

Trajectory Error Model: ISCSA0 3 - D 95 % Confidence 2.7955 sigma

Offset Trajectories Summary

Offset Selection Criteria

Bounding box scan: minimum Ct-Ct separation <= 2000ft
Selection filters: Definitive Surveys - Definitive Plans - Definitive surveys exclude definitive plans
- All Non-Def Surveys when no Def-Survey is set in a borehole - All Non-Def Plans when no Def-Plan is set in a borehole

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		

Results highlighted in red: Sep-Factor <= 1.5

Result highlighted in boxed, red and bold: all local minima indicated.

Coterra Dos Equis 12-13 Federal Com 76H Rev0 kFc 17Nov23 (DefinitivePlan)													Fail Minor
19.99	16.49	17.49	3.50	N/A	MAS = 5.03 (m)	0.00	0.00	CtCt<=15m<15.00				Enter Alert	
19.99	16.49	17.49	3.50	49365.22	MAS = 5.03 (m)	23.00	23.00					WRP	
19.99	20.07	5.78	-0.08	1.49	OSF1.50	1230.00	1230.00		OSF<1.50			Enter Minor	
19.99	25.63	2.07	-5.64	1.13	OSF1.50	1600.00	1600.00					MinPt-CtCt	
20.14	26.08	1.92	-5.93	1.12	OSF1.50	1630.00	1630.00					MinPts	
20.26	26.22	1.94	-5.97	1.12	OSF1.50	1640.00	1640.00					MinPt-ADP	
28.77	29.04	8.58	-0.27	1.48	OSF1.50	1830.00	1829.75		OSF>1.50			Exit Minor	
147.95	146.73	49.29	1.21	1.51	OSF1.50	9570.00	9507.01					MinPts	
403.86	123.20	320.89	280.65	4.99	OSF1.50	10240.00	10177.01	OSF>5.00				Exit Alert	
1473.61	96.64	1408.35	1376.97	23.44	OSF1.50	12150.00	11550.00					MinPt-CtCt	
1473.64	96.78	1408.32	1376.91	23.42	OSF1.50	12160.00	11550.00					MinPt-EOU	
1473.71	96.83	1408.33	1376.85	23.40	OSF1.50	12170.00	11550.00					MinPt-ADP	
1465.14	201.96	1329.67	1263.18	11.00	OSF1.50	16920.00	11550.00					MinPt-CtCt	
1478.29	229.08	1324.73	1249.20	9.77	OSF1.50	17830.00	11550.00					MinPt-EOU	
1487.16	350.03	1252.96	1137.13	6.41	OSF1.50	21718.53	11550.00					MinPts	
Coterra Dos Equis 12-13 Federal Com 77H Rev0 kFc 17Nov23 (DefinitivePlan)													Warning Alert
39.99	32.49	37.49	7.50	N/A	MAS = 9.90 (m)	0.00	0.00	CtCt<=15m<15.00				Enter Alert	
39.99	32.49	37.49	7.50	35271.44	MAS = 9.90 (m)	23.00	23.00					WRP	
39.99	32.49	22.07	7.50	2.43	MAS = 9.90 (m)	1600.00	1600.00					MinPts	
40.14	32.49	21.92	7.65	2.39	MAS = 9.90 (m)	1630.00	1630.00					MinPt-EOU	
40.81	32.49	22.19	8.32	2.38	MAS = 9.90 (m)	1670.00	1669.99					MinPt-SF	
111.26	35.24	86.93	76.02	4.98	OSF1.50	2250.00	2244.64	OSF>5.00				Exit Alert	
739.81	154.00	636.31	585.81	7.30	OSF1.50	10230.00	10167.01					MinPt-EOU	
739.85	154.07	636.31	585.79	7.30	OSF1.50	10240.00	10177.01					MinPt-ADP	
741.35	154.61	637.44	586.74	7.29	OSF1.50	10330.00	10267.01					MinPt-SF	
1232.92	361.95	990.78	870.96	5.13	OSF1.50	21718.53	11550.00					MinPts	
30-025-46323 - DOS EQUIUS 12-13 FEDERAL COM 073H - IFR1 to 22222ft - A (DefinitiveSurvey)													Warning Alert
84.84	32.81	82.34	52.04	N/A	MAS = 10.00 (m)	0.00	0.00					Surface	
84.84	32.81	82.34	52.04	N/A	MAS = 10.00 (m)	23.00	23.00					WRP	
77.70	32.81	63.12	44.89	6.23	MAS = 10.00 (m)	1302.18	1302.18					MinPts	
77.84	32.81	62.91	45.04	6.06	MAS = 10.00 (m)	1340.00	1340.00					MinPt-EOU	
82.36	32.81	66.09	49.55	5.80	MAS = 10.00 (m)	1480.00	1480.00					MinPt-SF	
108.04	33.87	84.63	74.18	5.05	OSF1.50	2210.00	2205.44					MinPt-CtCt	
108.06	34.18	84.44	73.89	5.00	OSF1.50	2230.00	2225.04	OSF<5.00				Enter Alert	
109.03	36.41	83.92	72.62	4.71	OSF1.50	2370.00	2362.23					MinPt-EOU	
109.84	37.38	84.09	72.46	4.62	OSF1.50	2430.00	2421.03					MinPt-ADP	
123.46	45.94	92.01	77.53	4.18	OSF1.50	2950.00	2930.59					MinPt-SF	
185.64	57.52	146.47	128.13	4.99	OSF1.50	3700.00	3665.54	OSF>5.00				Exit Alert	
448.55	99.51	381.37	349.04	6.90	OSF1.50	6630.00	6567.01					MinPt-EOU	
451.12	104.69	380.49	346.43	6.59	OSF1.50	6990.00	6927.01					MinPt-EOU	
445.92	122.64	363.33	323.28	5.54	OSF1.50	8210.00	8147.01					MinPt-CtCt	
446.68	125.93	361.89	320.74	5.40	OSF1.50	8440.00	8377.01					MinPt-EOU	
448.97	131.35	360.57	317.62	5.20	OSF1.50	8810.00	8747.01					MinPt-EOU	
450.96	134.57	350.42	316.39	5.09	OSF1.50	9030.00	8967.01					MinPt-EOU	
451.78	135.55	360.59	316.23	5.07	OSF1.50	9100.00	9037.01					MinPt-ADP	
454.17	138.04	361.31	316.13	5.00	OSF1.50	9270.00	9207.01	OSF<5.00				Enter Alert	
455.68	140.24	361.35	315.44	4.94	OSF1.50	9420.00	9357.01					MinPt-EOU	
456.68	141.51	361.50	315.17	4.90	OSF1.50	9510.00	9447.01					MinPt-ADP	
470.43	152.52	367.91	317.91	4.68	OSF1.50	10260.00	10197.01					MinPt-CtCt	
465.49	163.39	355.73	302.10	4.32	OSF1.50	11000.00	10937.01					MinPt-CtCt	
429.35	166.20	317.72	263.15	3.91	OSF1.50	11490.00	11375.26					MinPts	
429.43	166.26	317.75	263.17	3.91	OSF1.50	11500.00	11381.98					MinPt-SF	
556.22	169.35	442.49	386.87	4.98	OSF1.50	11890.00	11533.76	OSF>5.00				Exit Alert	
981.30	136.15	889.70	845.15	10.99	OSF1.50	12610.00	11550.00					MinPt-CtCt	
981.35	136.27	889.67	845.08	10.98	OSF1.50	12630.00	11550.00					MinPt-EOU	
981.40	136.33	889.68	845.07	10.97	OSF1.50	12640.00	11550.00					MinPt-ADP	
988.18	145.14	890.59	843.04	10.37	OSF1.50	13410.00	11550.00					MinPt-CtCt	
988.41	145.87	890.13	842.54	10.32	OSF1.50	13470.00	11550.00					MinPt-EOU	
988.71	146.22	890.39	842.48	10.29	OSF1.50	13500.00	11550.00					MinPt-ADP	
990.87	149.62	890.29	841.25	10.08	OSF1.50	13730.00	11550.00					MinPt-EOU	
991.24	150.07	890.36	841.17	10.05	OSF1.50	13760.00	11550.00					MinPt-ADP	
992.92	153.37	889.84	839.56	9.85	OSF1.50	13910.00	11550.00					MinPt-CtCt	
993.13	154.09	889.57	839.04	9.80	OSF1.50	13960.00	11550.00					MinPt-EOU	
993.35	154.37	889.61	838.98	9.79	OSF1.50	13980.00	11550.00					MinPt-ADP	
994.68	157.15	889.08	837.53	9.62	OSF1.50	14140.00	11550.00					MinPt-EOU	
995.17	157.74	889.18	837.43	9.59	OSF1.50	14180.00	11550.00					MinPt-ADP	
995.49	158.06	889.28	837.43	9.57	OSF1.50	14200.00	11550.00					MinPt-ADP	
1001.10	163.52	891.25	837.58	9.30	OSF1.50	14500.00	11550.00					MinPt-EOU	
1001.50	164.00	891.33	837.50	9.28	OSF1.50	14530.00	11550.00					MinPt-ADP	
994.28	177.76	874.94	816.52	8.49	OSF1.50	15170.00	11550.00					MinPt-CtCt	
993.82	184.44	870.03	809.38	8.17	OSF1.50	15460.00	11550.00					MinPt-CtCt	
993.17	187.96	867.03	805.21	8.01	OSF1.50	15610.00	11550.00					MinPt-CtCt	
993.37	188.63	866.78	804.74	7.99	OSF1.50	15650.00	11550.00					MinPt-EOU	
993.63	188.96	866.82	804.67	7.97	OSF1.50	15670.00	11550.00					MinPt-ADP	

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
	996.95	195.18	865.99	801.76	7.74	OSF1.50	15910.00	11550.00				MinPt-CtCt	
	995.65	204.85	858.25	790.80	7.36	OSF1.50	16290.00	11550.00				MinPt-CtCt	
	986.76	229.72	832.78	757.04	6.50	OSF1.50	17230.00	11550.00				MinPt-CtCt	
	965.38	265.88	787.30	699.50	5.48	OSF1.50	18520.00	11550.00				MinPt-CtCt	
	965.59	266.39	787.16	699.20	5.47	OSF1.50	18550.00	11550.00				MinPt-EOU	
	965.73	266.55	787.20	699.18	5.47	OSF1.50	18560.00	11550.00				MinPt-ADP	
	970.86	286.61	778.95	684.24	5.11	OSF1.50	19250.00	11550.00				MinPt-CtCt	
	970.33	291.62	775.08	678.71	5.02	OSF1.50	19420.00	11550.00				MinPt-CtCt	
	970.39	293.08	774.17	677.31	5.00	OSF1.50	19470.00	11550.00	OSF<5.00			Enter Alert	
	969.33	299.31	769.56	670.62	4.89	OSF1.50	19680.00	11550.00				MinPt-CtCt	
	970.71	302.35	768.31	668.36	4.84	OSF1.50	19800.00	11550.00				MinPt-EOU	
	969.04	346.93	736.92	622.11	4.21	OSF1.50	21270.00	11550.00				MinPt-CtCt	
	970.23	355.56	732.35	614.67	4.11	OSF1.50	21550.00	11550.00				MinPt-CtCt	
	970.56	360.81	729.19	609.75	4.05	OSF1.50	21718.53	11550.00				MinPts	

30-025-46320 - DOS EQUIS 12-13 FEDERAL COM 005H - IFR1 to 22232ft - A (DefinitiveSurvey)

Warning Alert

	99.99	32.81	97.49	67.18	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	99.99	32.81	97.49	67.18	N/A	MAS = 10.00 (m)	23.00	23.00				MinPts	
	100.11	32.81	97.37	67.30	412.67	MAS = 10.00 (m)	70.00	70.00				MinPt-EOU	
	134.21	32.81	117.27	101.40	9.12	MAS = 10.00 (m)	1540.00	1540.00				MinPt-SF	
	166.38	40.09	138.82	126.29	6.54	OSF1.50	2590.00	2577.82				MinPt-CtCt	
	166.63	40.88	138.58	125.75	6.41	OSF1.50	2640.00	2626.81				MinPt-EOU	
	167.02	41.35	138.62	125.67	6.35	OSF1.50	2670.00	2656.21				MinPt-ADP	
	183.73	54.41	146.63	129.32	5.24	OSF1.50	3430.00	3400.96				MinPt-ADP	
	198.04	61.17	156.43	136.88	5.00	OSF1.50	3820.00	3783.13	OSF<5.00			Enter Alert	
	222.26	69.61	175.02	152.65	4.91	OSF1.50	4300.00	4253.50				MinPt-SF	
	238.80	74.35	188.40	164.45	4.93	OSF1.50	4570.00	4518.08				MinPt-SF	
	279.26	91.69	217.30	187.56	4.65	OSF1.50	5640.00	5577.01				MinPt-SF	
	326.16	99.73	258.85	226.44	4.99	OSF1.50	6250.00	6187.01	OSF>5.00			Exit Alert	
	615.27	148.54	515.41	466.73	6.29	OSF1.50	9690.00	9627.01				MinPt-EOU	
	556.13	169.17	442.52	386.96	4.98	OSF1.50	11350.00	11268.67	OSF<5.00			Enter Alert	
	468.46	170.17	354.18	298.28	4.17	OSF1.50	11730.00	11497.08				MinPts	
	468.53	170.21	354.22	298.32	4.17	OSF1.50	11740.00	11500.21				MinPt-SF	
	562.84	171.81	447.47	391.03	4.96	OSF1.50	12030.00	11548.53	OSF>5.00			Exit Alert	
	959.31	141.78	863.96	817.53	10.30	OSF1.50	14000.00	11550.00				MinPt-CtCt	
	959.64	143.04	863.44	816.60	10.22	OSF1.50	14080.00	11550.00				MinPt-EOU	
	959.75	143.17	863.49	816.59	10.21	OSF1.50	14090.00	11550.00				MinPt-ADP	
	968.59	161.29	860.23	807.30	9.13	OSF1.50	14990.00	11550.00				MinPt-CtCt	
	967.67	166.90	855.56	800.76	8.81	OSF1.50	15240.00	11550.00				MinPt-CtCt	
	968.39	180.44	847.17	787.86	8.14	OSF1.50	15820.00	11550.00				MinPt-CtCt	
	968.57	181.17	846.95	787.40	8.11	OSF1.50	15860.00	11550.00				MinPt-EOU	
	970.57	189.04	843.71	781.53	7.78	OSF1.50	16170.00	11550.00				MinPt-CtCt	
	971.80	196.24	840.14	775.55	7.50	OSF1.50	16450.00	11550.00				MinPt-CtCt	
	972.03	197.03	839.85	775.00	7.48	OSF1.50	16490.00	11550.00				MinPt-EOU	
	972.35	197.42	839.90	774.92	7.46	OSF1.50	16510.00	11550.00				MinPt-ADP	
	972.46	202.33	836.74	770.13	7.28	OSF1.50	16680.00	11550.00				MinPt-CtCt	
	968.85	214.63	824.93	754.22	6.83	OSF1.50	17140.00	11550.00				MinPt-CtCt	
	971.85	231.77	816.51	740.08	6.34	OSF1.50	17760.00	11550.00				MinPt-CtCt	
	972.58	234.53	815.40	738.05	6.27	OSF1.50	17870.00	11550.00				MinPt-EOU	
	973.15	235.22	815.50	737.93	6.26	OSF1.50	17900.00	11550.00				MinPt-ADP	
	966.35	252.59	797.12	713.76	5.78	OSF1.50	18490.00	11550.00				MinPt-CtCt	
	966.90	254.23	796.58	712.67	5.75	OSF1.50	18560.00	11550.00				MinPt-EOU	
	967.50	254.92	796.72	712.58	5.73	OSF1.50	18590.00	11550.00				MinPt-ADP	
	969.90	258.57	796.68	711.33	5.67	OSF1.50	18710.00	11550.00				MinPt-EOU	
	970.69	259.54	796.83	711.15	5.65	OSF1.50	18750.00	11550.00				MinPt-ADP	
	973.03	267.64	793.77	705.39	5.49	OSF1.50	19010.00	11550.00				MinPt-CtCt	
	974.65	274.98	790.49	699.66	5.35	OSF1.50	19260.00	11550.00				MinPt-CtCt	
	975.44	278.15	789.17	697.29	5.29	OSF1.50	19380.00	11550.00				MinPt-EOU	
	976.03	278.86	789.28	697.16	5.28	OSF1.50	19410.00	11550.00				MinPt-ADP	
	980.08	293.09	783.85	686.98	5.05	OSF1.50	19870.00	11550.00				MinPt-CtCt	
	980.20	296.10	781.96	684.10	5.00	OSF1.50	19970.00	11550.00	OSF<5.00			Enter Alert	
	973.08	303.84	769.66	669.21	4.83	OSF1.50	20230.00	11550.00				MinPt-CtCt	
	973.28	304.46	769.47	668.82	4.82	OSF1.50	20260.00	11550.00				MinPt-EOU	
	973.63	304.85	769.56	668.77	4.82	OSF1.50	20280.00	11550.00				MinPt-ADP	
	973.23	315.93	761.77	657.29	4.65	OSF1.50	20830.00	11550.00				MinPt-CtCt	
	964.42	336.72	739.11	627.70	4.32	OSF1.50	21310.00	11550.00				MinPt-CtCt	
	963.85	345.60	732.65	618.29	4.20	OSF1.50	21600.00	11550.00				MinPt-CtCt	
	964.60	347.66	731.99	616.94	4.18	OSF1.50	21680.00	11550.00				MinPt-EOU	
	965.40	348.69	732.10	616.71	4.17	OSF1.50	21718.53	11550.00				MinPts	

30-025-40791 - DOS EQUIS '12' FEDERAL COM 2H - Gyro+MWD to 12650ft (DefinitiveSurvey)

Warning Alert

	437.08	32.81	434.58	404.27	#####	MAS = 10.00 (m)	0.00	0.00				Surface	
	437.08	32.81	434.57	404.27	114822.67	MAS = 10.00 (m)	23.00	23.00				WRP	
	173.01	53.75	136.34	119.26	4.99	OSF1.50	3460.00	3430.36	OSF<5.00			Enter Alert	
	150.82	61.88	108.74	88.95	3.75	OSF1.50	3909.96	3871.28				MinPt-CtCt	
	151.03	62.55	108.49	88.48	3.71	OSF1.50	3950.00	3910.52				MinPt-EOU	
	151.28	62.88	108.53	88.40	3.70	OSF1.50	3970.00	3930.12				MinPt-ADP	
	153.70	64.33	109.98	89.37	3.67	OSF1.50	4060.00	4018.32	OSF>5.00			MinPt-SF	
	251.56	77.29	199.20	174.27	4.99	OSF1.50	5010.00	4949.46				Exit Alert	
	283.97	87.00	225.14	196.97	5.00	OSF1.50	6200.00	6137.01	OSF<5.00			Enter Alert	
	283.60	89.95	222.80	193.65	4.82	OSF1.50	6510.00	6447.01				MinPt-CtCt	
	283.38	93.37	220.30	190.01	4.64	OSF1.50	6850.00	6787.01				MinPt-CtCt	
	283.37	98.48	216.88	184.89	4.39	OSF1.50	7330.00	7267.01				MinPt-CtCt	
	285.46	104.75	214.79	180.71	4.15	OSF1.50	7890.00	7827.01				MinPt-EOU	
	288.34	108.12	215.43	180.22	4.06	OSF1.50	8180.00	8117.01				MinPt-ADP	
	324.32	127.73	238.33	196.58	3.85	OSF1.50	9790.00	9727.01				MinPt-SF	
	331.85	130.21	244.21	201.64	3.87	OSF1.50	9990.00	9927.01				MinPt-SF	
	361.90	143.25	265.57	218.65	3.83	OSF1.50	10990.00	10927.01				MinPt-ADP	
	362.28	143.52	265.77	218.77	3.83	OSF1.50	11017.53	10954.54				MinPt-SF	
	313.75	144.98	216.27	168.77	3.28	OSF1.50	11500.00	11381.98	OSF>5.00			MinPts	
	485.88	148.67	385.93	337.21	4.96	OSF1.50	11910.00	11536.84				Exit Alert	
	10125.84	163.49	10016.02	9962.35	94.32	OSF1.50	21718.53	11550.00				TD	

30-025-40791-0100 - DOS EQUIS '12' FEDERAL COM 2H ST01 - MWD 10486ft to 13433ft (DefinitiveSurvey)

Warning Alert

437.08	32.81	434.58	404.27	#####	MAS = 10.00 (m)	0.00	0.00					Surface
437.08	32.81	434.57	404.27	114822.67	MAS = 10.00 (m)	23.00	23.00					WRP
173.01	53.75	136.34	119.26	4.99	OSF1.50	3460.00	3430.36	OSF<5.00				Enter Alert
150.82	61.88	108.74	88.95	3.75	OSF1.50	3909.96	3871.28					MinPt-CICt
151.03	62.55	108.45	88.48	3.71	OSF1.50	3950.00	3910.52					MinPt-EOU
151.28	62.88	108.53	88.40	3.70	OSF1.50	3970.00	3930.12					MinPt-ADF
153.70	64.33	109.98	89.37	3.67	OSF1.50	4060.00	4018.32					MinPt-SF
251.56	77.29	199.20	174.27	4.99	OSF1.50	5010.00	4949.46	OSF>5.00				Exit Alert
283.97	87.00	225.14	196.97	5.00	OSF1.50	6200.00	6137.01	OSF<5.00				Enter Alert

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
	283.60	89.95	222.80	193.65	4.82	OSF1.50	6510.00	6447.01				MinPt-CtCt	
	283.38	93.37	220.30	190.01	4.64	OSF1.50	6850.00	6787.01				MinPt-CtCt	
	283.37	98.48	216.88	184.89	4.39	OSF1.50	7330.00	7267.01				MinPt-CtCt	
	285.46	104.76	214.79	180.71	4.15	OSF1.50	7890.00	7827.01				MinPt-EOU	
	288.34	108.12	215.43	180.22	4.06	OSF1.50	8180.00	8117.01				MinPt-ADP	
	324.32	127.73	238.33	196.58	3.85	OSF1.50	9790.00	9727.01				MinPt-SF	
	331.85	130.21	244.21	201.64	3.87	OSF1.50	9990.00	9927.01				MinPt-SF	
	353.06	137.54	260.53	215.52	3.89	OSF1.50	10560.00	10497.01				MinPt-SF	
	432.29	132.77	342.94	299.52	4.95	OSF1.50	10950.00	10887.01	OSF>5.00			Exit Alert	
	694.33	124.72	610.35	569.61	8.49	OSF1.50	12550.00	11550.00				MinPt-ADP	
	695.16	127.38	609.41	567.78	8.32	OSF1.50	12750.00	11550.00				MinPt-CtCt	
	637.83	152.48	535.35	485.35	6.35	OSF1.50	14120.00	11550.00				MinPt-CtCt	
	638.70	155.07	534.49	483.63	6.25	OSF1.50	14240.00	11550.00				MinPts	
	641.82	156.32	536.78	485.50	6.23	OSF1.50	14290.00	11550.00				MinPt-SF	
	7520.68	162.83	7411.29	7357.85	70.34	OSF1.50	21718.53	11550.00				TD	
30-025-40791-0200 - DOS EQUIS '12' FEDERAL COM 2H ST02 - MWD 13330ft to 15399ft (DefinitiveSurvey)													Warning Alert
	437.08	32.81	434.58	404.27	#####	MAS = 10.00 (m)	0.00	0.00				Surface	
	437.08	32.81	434.57	404.27	114822.67	MAS = 10.00 (m)	23.00	23.00				WRP	
	173.01	53.75	136.34	119.26	4.99	OSF1.50	3460.00	3430.36	OSF<5.00			Enter Alert	
	150.82	61.88	108.74	88.95	3.75	OSF1.50	3909.96	3871.28				MinPt-CtCt	
	151.03	62.55	108.45	88.48	3.71	OSF1.50	3950.00	3910.52				MinPt-EOU	
	151.28	62.88	108.53	88.40	3.70	OSF1.50	3970.00	3930.12				MinPt-ADP	
	153.70	64.33	109.98	89.37	3.67	OSF1.50	4060.00	4018.32				MinPt-SF	
	251.56	77.29	199.20	174.27	4.99	OSF1.50	5010.00	4949.46	OSF>5.00			Exit Alert	
	283.97	87.00	225.14	196.97	5.00	OSF1.50	6200.00	6137.01	OSF<5.00			Enter Alert	
	283.60	89.95	222.80	193.65	4.82	OSF1.50	6510.00	6447.01				MinPt-CtCt	
	283.38	93.37	220.30	190.01	4.64	OSF1.50	6850.00	6787.01				MinPt-CtCt	
	283.37	98.48	216.88	184.89	4.39	OSF1.50	7330.00	7267.01				MinPt-CtCt	
	285.46	104.76	214.79	180.71	4.15	OSF1.50	7890.00	7827.01				MinPt-EOU	
	288.34	108.12	215.43	180.22	4.06	OSF1.50	8180.00	8117.01				MinPt-ADP	
	324.32	127.73	238.33	196.58	3.85	OSF1.50	9790.00	9727.01				MinPt-SF	
	331.85	130.21	244.21	201.64	3.87	OSF1.50	9990.00	9927.01				MinPt-SF	
	353.06	137.54	260.53	215.52	3.89	OSF1.50	10560.00	10497.01				MinPt-SF	
	432.29	132.77	342.94	299.52	4.95	OSF1.50	10950.00	10887.01	OSF>5.00			Exit Alert	
	694.33	124.72	610.35	569.61	8.49	OSF1.50	12550.00	11550.00				MinPt-ADP	
	695.16	127.38	609.41	567.78	8.32	OSF1.50	12750.00	11550.00				MinPt-CtCt	
	591.00	167.93	478.22	423.08	5.34	OSF1.50	15180.00	11550.00				MinPt-CtCt	
	591.89	170.43	477.44	421.46	5.26	OSF1.50	15300.00	11550.00				MinPt-EOU	
	595.19	174.40	478.10	420.80	5.17	OSF1.50	15490.00	11550.00				MinPt-ADP	
	602.01	182.37	479.60	419.65	5.00	OSF1.50	15850.00	11550.00	OSF<5.00			Enter Alert	
	600.30	187.85	474.23	412.45	4.84	OSF1.50	16080.00	11550.00				MinPt-CtCt	
	600.59	190.46	472.79	410.14	4.77	OSF1.50	16190.00	11550.00				MinPts	
	601.34	190.86	473.26	410.48	4.77	OSF1.50	16210.00	11550.00				MinPt-SF	
	633.66	191.96	504.85	441.70	5.00	OSF1.50	16380.00	11550.00	OSF>5.00			Exit Alert	
	5573.37	175.90	5455.27	5397.47	48.19	OSF1.50	21718.53	11550.00				TD	
Coterra Dos Equis 12-13 Federal Com 90H Rev2 kFc DDMmmYY (DefinitivePlan)													Warning Alert
	879.90	32.81	878.09	847.09	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	879.89	32.81	878.08	847.08	N/A	MAS = 10.00 (m)	23.00	23.00				WRP	
	879.89	32.81	872.70	847.08	163.27	MAS = 10.00 (m)	600.00	600.00	OSF<5.00			MinPt-EOU	
	260.52	79.31	207.14	181.21	5.00	OSF1.50	5040.00	4979.05				Enter Alert	
	202.88	138.34	110.13	64.53	2.21	OSF1.50	9070.00	9007.01				MinPt-CtCt	
	202.89	138.43	110.09	64.46	2.21	OSF1.50	9080.00	9017.01				MinPts	
	403.49	122.30	321.44	281.19	4.99	OSF1.50	9690.00	9627.01	OSF>5.00			Exit Alert	
	1946.29	94.09	1883.08	1852.20	31.49	OSF1.50	12380.00	11550.00				MinPt-CtCt	
	1946.30	347.45	1714.19	1598.85	8.43	OSF1.50	21718.53	11550.00				MinPts	
Coterra Dos Equis 12-13 Federal Com 89H Rev0 kFc 17Nov23 (DefinitivePlan)													Warning Alert
	899.89	32.81	897.39	867.08	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	899.88	32.81	897.38	867.07	N/A	MAS = 10.00 (m)	23.00	23.00				WRP	
	347.84	106.13	276.25	241.71	5.00	OSF1.50	6910.00	6847.01	OSF<5.00			Enter Alert	
	347.84	154.54	243.98	193.30	3.41	OSF1.50	10210.00	10147.01				MinPt-CtCt	
	347.91	154.74	243.91	193.17	3.40	OSF1.50	10230.00	10167.01				MinPts	
	348.04	154.83	243.99	193.21	3.40	OSF1.50	10240.00	10177.01				MinPt-SF	
	483.93	147.63	384.68	336.30	4.98	OSF1.50	10800.00	10737.01	OSF>5.00			Exit Alert	
	876.22	116.04	798.03	760.18	11.54	OSF1.50	12230.00	11550.00				MinPt-CtCt	
	876.28	116.23	797.96	760.05	11.52	OSF1.50	12250.00	11550.00				MinPts	
	880.25	266.12	702.00	614.13	4.99	OSF1.50	18760.00	11550.00	OSF<5.00			Enter Alert	
	880.16	356.15	641.89	524.01	3.72	OSF1.50	21710.00	11550.00				MinPt-CtCt	
	880.16	356.41	641.72	523.74	3.72	OSF1.50	21718.53	11550.00				MinPts	
30-025-41480 - DOS EQUIS 13 FEDERAL COM 2H - MWD to 15311ft (DefinitiveSurvey)													Warning Alert
	5260.43	32.81	5257.93	5227.62	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	5260.35	32.81	5257.84	5227.54	631167.96	MAS = 10.00 (m)	20.00	20.00				MinPt-SF	
	5260.34	32.81	5257.84	5227.53	752114.84	MAS = 10.00 (m)	23.00	23.00				WRP	
	5260.34	32.81	5257.81	5227.53	211830.87	MAS = 10.00 (m)	30.00	30.00				MinPts	
	5267.45	32.81	5250.66	5234.64	368.39	MAS = 10.00 (m)	1550.00	1550.00				MinPt-EOU	
	5268.44	32.81	5250.58	5235.63	342.95	MAS = 10.00 (m)	1650.00	1650.00				MinPt-EOU	
	5539.34	111.01	5464.50	5428.34	76.54	OSF1.50	7170.00	7107.01				MinPt-EOU	
	5546.92	122.08	5464.70	5424.83	69.55	OSF1.50	7940.00	7877.01				MinPt-EOU	
	5548.93	124.50	5465.10	5424.43	68.19	OSF1.50	8120.00	8057.01				MinPt-ADP	
	5559.35	132.58	5470.13	5426.77	64.08	OSF1.50	8670.00	8607.01				MinPt-EOU	
	5560.44	133.78	5470.42	5426.66	63.50	OSF1.50	8760.00	8697.01				MinPt-ADP	
	5562.40	135.96	5470.93	5426.44	62.49	OSF1.50	8910.00	8847.01				MinPt-ADP	
	5570.96	152.50	5468.46	5418.46	55.69	OSF1.50	10020.00	9957.01				MinPt-CtCt	
	5571.51	154.17	5467.89	5417.34	55.08	OSF1.50	10160.00	10097.01				MinPt-EOU	
	5569.38	160.76	5461.37	5408.62	52.76	OSF1.50	10600.00	10537.01				MinPt-CtCt	
	5569.51	161.11	5461.27	5408.40	52.65	OSF1.50	10640.00	10577.01				MinPt-EOU	
	5569.66	161.29	5461.30</										

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status	
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major			
	15393.83	32.81	15391.33	15361.02	N/A	MAS = 10.00 (m)	0.00	0.00				Surface		
	15393.77	32.81	15391.26	15360.96	1857209.48	MAS = 10.00 (m)	23.00	23.00				WRP		
	15393.75	32.81	15391.15	15360.94	160881.36	MAS = 10.00 (m)	50.00	50.00				MinPts		
	989.09	299.75	788.42	689.33	4.98	OSF1.50	21540.00	11550.00	OSF<5.00			Enter Alert		
	949.38	309.19	742.41	640.18	4.63	OSF1.50	21718.53	11550.00				MinPts		
30-025-41306 - Bell Lake 24 Fed 2H - MWD to 16075ft - A (DefinitiveSurvey)													Warning Alert	
	15361.75	32.81	15359.25	15328.94	N/A	MAS = 10.00 (m)	0.00	0.00				Surface		
	15361.70	32.81	15359.19	15328.89	2070530.86	MAS = 10.00 (m)	23.00	23.00				WRP		
	15361.68	32.81	15359.08	15328.87	160546.98	MAS = 10.00 (m)	50.00	50.00				MinPts		
	1166.86	352.40	931.09	814.46	4.99	OSF1.50	21660.00	11550.00	OSF<5.00			Enter Alert		
	1143.20	357.01	904.36	786.19	4.83	OSF1.50	21718.53	11550.00				MinPts		
Coterra Dos Equis 12-13 Federal Com 91H Rev2 Kfc DDMmmYY (DefinitivePlan)													Pass	
	859.89	32.81	858.09	827.09	N/A	MAS = 10.00 (m)	0.00	0.00				Surface		
	859.89	32.81	858.08	827.08	N/A	MAS = 10.00 (m)	23.00	23.00				WRP		
	859.89	32.81	852.70	827.08	159.52	MAS = 10.00 (m)	600.00	600.00				MinPt-EOU		
	243.16	60.95	202.02	182.21	6.10	OSF1.50	3550.93	3519.46				MinPt-CtCt		
	243.31	61.31	201.92	182.00	6.07	OSF1.50	3570.00	3538.15				MinPts		
	245.71	62.34	203.63	183.37	6.02	OSF1.50	3630.00	3596.95				MinPt-SF		
	626.65	136.83	534.92	489.82	6.93	OSF1.50	9080.00	9017.01				MinPts		
	627.13	137.04	535.26	490.09	6.93	OSF1.50	9110.00	9047.01				MinPt-SF		
	2055.08	102.60	1986.20	1952.48	30.45	OSF1.50	12490.00	11550.00				MinPt-CtCt		
	2055.32	345.37	1824.59	1709.95	8.96	OSF1.50	21718.53	11550.00				MinPts		
	Coterra Dos Equis 12-13 Federal Com 3H Corrected MWD to 23004ft (DefinitiveSurvey)													Pass
		1236.76	32.81	1234.26	1203.95	6176324.12	MAS = 10.00 (m)	0.00	0.00				MinPts	
		1236.77	32.81	1234.26	1203.96	94693.70	MAS = 10.00 (m)	23.00	23.00				WRP	
1238.29		32.81	1233.48	1205.49	534.87	MAS = 10.00 (m)	300.00	300.00				MinPt-EOU		
1241.22		32.81	1233.82	1208.41	252.71	MAS = 10.00 (m)	560.00	560.00				MinPt-EOU		
545.97		118.84	465.92	427.14	7.01	OSF1.50	7656.03	7593.04				MinPt-CtCt		
546.06		119.05	465.86	427.01	7.00	OSF1.50	7680.00	7617.01				MinPt-EOU		
546.14		119.14	465.88	427.00	6.99	OSF1.50	7690.00	7627.01				MinPt-ADP		
601.93		150.88	500.51	451.05	6.06	OSF1.50	10030.00	9967.01				MinPt-SF		
591.99		168.18	479.04	423.81	5.34	OSF1.50	11310.00	11234.48				MinPt-CtCt		
592.01		168.23	479.02	423.78	5.34	OSF1.50	11320.00	11243.16				MinPts		
592.42		168.41	479.31	424.01	5.33	OSF1.50	11350.00	11268.67				MinPt-SF		
1536.40		149.36	1435.99	1387.04	15.67	OSF1.50	13030.00	11550.00				MinPt-EOU		
1536.62		149.60	1436.05	1387.02	15.64	OSF1.50	13050.00	11550.00				MinPt-ADP		
1523.04		177.26	1404.03	1345.78	13.05	OSF1.50	14600.00	11550.00				MinPt-CtCt		
1525.27		185.10	1401.04	1340.18	12.51	OSF1.50	14970.00	11550.00				MinPt-EOU		
1525.87		185.80	1401.17	1340.07	12.47	OSF1.50	15010.00	11550.00				MinPt-ADP		
1509.76		245.07	1345.54	1264.69	9.32	OSF1.50	17320.00	11550.00				MinPt-CtCt		
1509.85		257.95	1337.05	1251.90	8.85	OSF1.50	17790.00	11550.00				MinPt-CtCt		
1509.54		265.50	1331.71	1244.05	8.60	OSF1.50	18060.00	11550.00				MinPt-CtCt		
1509.87		276.22	1324.88	1233.64	8.26	OSF1.50	18440.00	11550.00				MinPt-CtCt		
1512.23		289.83	1318.18	1222.40	7.88	OSF1.50	18910.00	11550.00				MinPt-CtCt		
1513.76		299.04	1313.56	1214.72	7.64	OSF1.50	19250.00	11550.00				MinPt-EOU		
1509.72		333.15	1286.79	1176.58	6.84	OSF1.50	20380.00	11550.00				MinPt-CtCt		
1507.42		365.27	1263.08	1142.15	6.22	OSF1.50	21440.00	11550.00				MinPt-CtCt		
1509.94		372.99	1260.45	1136.95	6.10	OSF1.50	21718.53	11550.00				MinPts		
Coterra Dos Equis 12-13 Federal Com 88H Rev0 KFc 17Nov23 (DefinitivePlan)													Pass	
	919.89	32.81	917.39	887.08	N/A	MAS = 10.00 (m)	0.00	0.00				Surface		
	919.88	32.81	917.38	887.07	N/A	MAS = 10.00 (m)	23.00	23.00				WRP		
	611.34	77.24	559.02	534.10	12.22	OSF1.50	5008.21	4947.71				MinPt-CtCt		
	611.49	77.75	558.82	533.74	12.14	OSF1.50	5040.00	4979.05				MinPt-EOU		
	611.74	78.07	558.86	533.67	12.09	OSF1.50	5060.00	4998.79				MinPt-ADP		
	633.97	83.27	577.63	550.70	11.73	OSF1.50	5400.00	5337.04				MinPt-SF		
	1181.55	145.50	1083.72	1036.05	12.37	OSF1.50	9640.00	9577.01				MinPt-EOU		
	1181.84	145.85	1083.77	1035.99	12.34	OSF1.50	9680.00	9617.01				MinPt-ADP		
	1192.33	148.64	1092.40	1043.69	12.21	OSF1.50	9970.00	9907.01				MinPt-SF		
	1665.16	215.42	1520.71	1449.74	11.71	OSF1.50	16940.00	11550.00				MinPt-CtCt		
	1666.37	218.80	1519.68	1447.58	11.54	OSF1.50	17070.00	11550.00				MinPt-EOU		
	1667.70	220.38	1519.95	1447.33	11.46	OSF1.50	17130.00	11550.00				MinPt-ADP		
	1752.44	358.38	1512.69	1394.06	7.38	OSF1.50	21710.00	11550.00				MinPt-CtCt		
1752.44	358.62	1512.62	1393.82	7.37	OSF1.50	21718.53	11550.00				MinPts			
30-025-46324 - DOS EQUIS 12-13 FEDERAL COM 086H - IFR1 to 22563ft - A (DefinitiveSurvey)													Pass	
	981.71	32.81	979.21	948.90	N/A	MAS = 10.00 (m)	0.00	0.00				MinPts		
	981.71	32.81	979.21	948.90	2812019.94	MAS = 10.00 (m)	10.00	10.00				MinPt-EOU		
	981.71	32.81	979.21	948.90	504580.53	MAS = 10.00 (m)	23.00	23.00				WRP		
	741.38	52.49	705.55	688.89	22.17	OSF1.50	3510.00	3479.35				MinPt-CtCt		
	740.44	57.83	701.05	682.61	20.01	OSF1.50	3850.00	3812.53				MinPt-CtCt		
	737.53	66.48	692.38	671.06	17.23	OSF1.50	4391.47	4343.13				MinPt-CtCt		
	738.36	69.86	690.95	668.49	16.39	OSF1.50	4600.00	4547.48				MinPt-CtCt		
	739.07	71.88	690.31	667.19	15.92	OSF1.50	4730.00	4674.87				MinPt-EOU		
	740.45	76.84	688.43	663.65	14.89	OSF1.50	5010.00	4949.46				MinPt-CtCt		
	740.68	77.50	688.18	663.17	14.76	OSF1.50	5050.00	4988.92				MinPt-EOU		
	740.93	77.82	688.22	663.12	14.71	OSF1.50	5070.00	5008.68				MinPt-ADP		
	761.99	81.95	706.53	680.04	14.34	OSF1.50	5360.00	5297.07				MinPt-SF		
	1044.53	106.29	972.83	938.24	15.06	OSF1.50	7050.00	6987.01				MinPt-SF		
	1058.48	107.68	985.86	950.80	15.06	OSF1.50	7140.00	7077.01				MinPt-SF		
	1183.44	120.36	1102.36	1063.08	15.03	OSF1.50	7990.00	7927.01				MinPt-SF		
	1289.58	130.25	1201.92	1159.33	15.11	OSF1.50	8670.00	8607.01				MinPt-SF		
	1342.65	135.80	1251.29	1206.85	15.08	OSF1.50	9020.00	8957.01				MinPt-SF		
	1410.51	153.59	1307.28	1256.92	13.98	OSF1.50	10160.00	10097.01				MinPt-CtCt		
	1410.69	154.15	1307.09	1256.54	13.93	OSF1.50	10200.00	10137.01				MinPt-EOU		
	1410.82	154.29	1307.12	1256.53	13.92	OSF1.50	10210.00	10147.01				MinPt-ADP		
	1450.14	165.87	1338.73	1284.27	13.29	OSF1.50	11017.53	10954.54				MinPt-SF		
	1420.91	170.26	1306.57	1250.65	12.68	OSF1.50	11690.00	11482.91				MinPt-CtCt		
	1420.93	170.29	1306.57	1250.64	12.68	OSF1.50	11700.00	11486.70				MinPts		
	1421.66	170.45	1307.19	1251.20	12.67	OSF1.50	11740.00	11500.21				MinPt-SF		
	1495.52	155.63	1390.94	1339.89	14.63	OSF1.50	12670.00	11550.00				MinPt-CtCt		
	1487.09	159.72	1379.77	1327.36	14.16	OSF1.50	13160.00	11550.00				MinPt-CtCt		
	1487.23	160.21	1379.60	1327.03	14.12	OSF1.50	13210.00	11550.00				MinPt-EOU		
	1487.47	160.50	1379.64	1326.97	14.10	OSF1.50	13240.00	11550.00				MinPt-ADP		
1494.16	164.97	1383.35	1329.19	13.77	OSF1.50	13600.00	11550.00				MinPt-CtCt			
1492.76	168.51	1379.59	1324.25	13.47	OSF1.50	13860.00	11550.00							

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
1488.90	204.96	1351.43	1283.84	11.01		OSF1.50	15890.00	11550.00				MinPt-EOU	
1489.33	205.49	1351.50	1283.84	10.99		OSF1.50	15920.00	11550.00				MinPt-ADP	
1488.14	212.49	1345.65	1275.65	10.61		OSF1.50	16220.00	11550.00				MinPt-CtCt	
1489.02	215.38	1344.60	1273.64	10.47		OSF1.50	16360.00	11550.00				MinPt-EOU	
1493.84	224.00	1343.68	1269.84	10.10		OSF1.50	16720.00	11550.00				MinPt-CtCt	
1491.16	240.40	1330.06	1250.76	9.39		OSF1.50	17390.00	11550.00				MinPt-CtCt	
1490.55	245.69	1325.93	1244.86	9.18		OSF1.50	17600.00	11550.00				MinPt-CtCt	
1491.23	251.02	1323.05	1240.21	8.99		OSF1.50	17810.00	11550.00				MinPt-CtCt	
1491.32	256.20	1319.69	1235.12	8.80		OSF1.50	18010.00	11550.00				MinPt-CtCt	
1490.91	266.76	1312.24	1224.15	8.45		OSF1.50	18410.00	11550.00				MinPt-CtCt	
1491.87	269.29	1311.51	1222.58	8.37		OSF1.50	18520.00	11550.00				MinPt-EOU	
1494.92	274.05	1311.39	1220.87	8.24		OSF1.50	18700.00	11550.00				MinPt-EOU	
1495.67	274.93	1311.55	1220.74	8.22		OSF1.50	18740.00	11550.00				MinPt-ADP	
1491.73	287.98	1298.91	1203.75	7.82		OSF1.50	19200.00	11550.00				MinPt-CtCt	
1489.83	306.10	1284.93	1183.73	7.35		OSF1.50	19850.00	11550.00				MinPt-CtCt	
1492.48	334.31	1268.77	1158.17	6.74		OSF1.50	20840.00	11550.00				MinPt-CtCt	
1487.95	347.57	1255.41	1140.39	6.46		OSF1.50	21300.00	11550.00				MinPt-CtCt	
1490.19	355.85	1252.12	1134.34	6.32		OSF1.50	21600.00	11550.00				MinPt-EOU	
1492.66	358.73	1252.67	1133.93	6.27		OSF1.50	21710.00	11550.00				MinPt-ADP	
1492.89	358.94	1252.76	1133.95	6.27		OSF1.50	21718.53	11550.00				MinPt-SF	

30-025-46481 - DOS EQUIS 12-13 FEDERAL COM 6H - IFR1 to 22805ft - A (DefinitiveSurvey)

Pass

1001.66	32.81	999.16	968.85	N/A		MAS = 10.00 (m)	0.00	0.00				Surface	
1001.66	32.81	999.16	968.85	#####		MAS = 10.00 (m)	10.00	10.00				MinPts	
1001.66	32.81	999.16	968.85	4864129.76		MAS = 10.00 (m)	23.00	23.00				WRP	
1000.86	32.81	990.25	968.05	123.17		MAS = 10.00 (m)	890.00	890.00				MinPts	
1001.71	32.81	986.83	968.90	80.70		MAS = 10.00 (m)	1330.00	1330.00				MinPt-EOU	
913.00	81.40	857.90	831.61	17.31		OSF1.50	5230.00	5167.43				MinPt-CtCt	
913.44	82.52	857.60	830.92	17.08		OSF1.50	5300.00	5237.19				MinPt-EOU	
899.26	112.94	823.14	786.32	12.18		OSF1.50	7450.00	7387.01				MinPt-EOU	
899.21	115.38	821.46	783.83	11.92		OSF1.50	7620.00	7557.01				MinPt-CtCt	
899.34	117.68	820.05	781.66	11.68		OSF1.50	7780.00	7717.01				MinPt-CtCt	
901.07	127.68	815.12	773.40	10.77		OSF1.50	8470.00	8407.01				MinPt-CtCt	
889.30	145.75	791.30	743.55	9.29		OSF1.50	9720.00	9657.01				MinPt-CtCt	
889.86	147.34	790.80	742.52	9.19		OSF1.50	9830.00	9767.01				MinPt-EOU	
887.62	152.87	784.87	734.75	8.83		OSF1.50	10210.00	10147.01				MinPt-CtCt	
888.10	154.32	784.39	733.78	8.75		OSF1.50	10310.00	10247.01				MinPt-EOU	
884.21	163.51	774.37	720.70	8.21		OSF1.50	10940.00	10877.01				MinPt-CtCt	
773.66	168.12	660.75	605.54	6.98		OSF1.50	11771.46	11508.99				MinPts	
773.71	168.14	660.79	605.57	6.98		OSF1.50	11780.00	11511.14				MinPt-SF	
1647.37	149.51	1546.87	1497.87	16.78		OSF1.50	13770.00	11550.00				MinPt-CtCt	
1635.17	160.52	1527.32	1474.65	15.50		OSF1.50	14440.00	11550.00				MinPt-CtCt	
1631.84	166.15	1520.24	1465.68	14.93		OSF1.50	14730.00	11550.00				MinPt-CtCt	
1631.64	171.23	1516.65	1460.41	14.48		OSF1.50	14980.00	11550.00				MinPt-CtCt	
1631.29	175.88	1513.20	1455.41	14.09		OSF1.50	15200.00	11550.00				MinPt-CtCt	
1631.06	178.72	1511.08	1452.34	13.86		OSF1.50	15330.00	11550.00				MinPt-CtCt	
1631.60	180.19	1510.64	1451.41	13.75		OSF1.50	15410.00	11550.00				MinPt-EOU	
1637.29	191.56	1508.75	1445.73	12.97		OSF1.50	15880.00	11550.00				MinPt-CtCt	
1638.26	201.03	1503.41	1437.23	12.36		OSF1.50	16270.00	11550.00				MinPt-CtCt	
1635.96	212.42	1493.53	1423.56	11.67		OSF1.50	16730.00	11550.00				MinPt-CtCt	
1634.92	221.12	1486.67	1413.79	11.20		OSF1.50	17070.00	11550.00				MinPt-CtCt	
1639.17	232.10	1483.61	1407.07	10.69		OSF1.50	17500.00	11550.00				MinPt-EOU	
1641.78	237.23	1482.80	1404.55	10.48		OSF1.50	17690.00	11550.00				MinPt-EOU	
1645.24	241.56	1483.37	1403.69	10.31		OSF1.50	17860.00	11550.00				MinPt-ADP	
1645.70	246.57	1480.49	1399.13	10.10		OSF1.50	18010.00	11550.00				MinPt-CtCt	
1646.01	247.51	1480.17	1398.50	10.06		OSF1.50	18060.00	11550.00				MinPt-EOU	
1647.89	254.67	1477.28	1393.22	9.79		OSF1.50	18300.00	11550.00				MinPt-CtCt	
1648.25	255.65	1476.98	1392.59	9.75		OSF1.50	18350.00	11550.00				MinPt-EOU	
1648.80	259.24	1475.14	1389.56	9.62		OSF1.50	18460.00	11550.00				MinPt-CtCt	
1639.13	274.15	1455.54	1364.99	9.04		OSF1.50	18990.00	11550.00				MinPt-CtCt	
1639.46	275.14	1455.29	1364.32	9.01		OSF1.50	19040.00	11550.00				MinPt-EOU	
1639.95	275.75	1455.29	1364.29	8.99		OSF1.50	19070.00	11550.00				MinPt-ADP	
1647.31	286.82	1455.26	1360.49	8.68		OSF1.50	19420.00	11550.00				MinPt-CtCt	
1645.13	308.79	1438.44	1336.34	8.04		OSF1.50	20180.00	11550.00				MinPt-CtCt	
1645.98	316.80	1433.94	1329.18	7.84		OSF1.50	20450.00	11550.00				MinPt-CtCt	
1649.43	337.49	1422.60	1310.94	7.37		OSF1.50	21140.00	11550.00				MinPt-CtCt	
1648.50	342.01	1419.66	1306.49	7.27		OSF1.50	21290.00	11550.00				MinPt-CtCt	
1648.91	353.18	1412.62	1295.72	7.04		OSF1.50	21660.00	11550.00				MinPt-CtCt	
1649.11	354.81	1411.74	1294.30	7.01		OSF1.50	21718.53	11550.00				MinPts	

Coterra Dos Equis 12-13 Federal Com 87H Rev0 kFC 17Nov23 (DefinitivePlan)

Pass

939.88	32.81	937.38	907.07	N/A		MAS = 10.00 (m)	0.00	0.00				Surface	
939.87	32.81	937.37	907.06	N/A		MAS = 10.00 (m)	23.00	23.00				WRP	
907.96	76.08	856.41	831.88	18.46		OSF1.50	4946.41	4886.94				MinPt-CtCt	
908.15	76.63	856.23	831.52	18.33		OSF1.50	4980.00	4919.94				MinPt-EOU	
908.44	76.95	856.30	831.48	18.25		OSF1.50	5000.00	4939.62				MinPt-ADP	
952.95	84.22	895.97	868.73	17.45		OSF1.50	5470.00	5407.01				MinPt-SF	
1229.72	167.01	1117.55	1062.71	11.19		OSF1.50	11830.00	11522.61				MinPt-CtCt	
1229.73	167.03	1117.54	1062.70	11.19		OSF1.50	11840.00	11524.67				MinPts	
1230.11	167.12	1117.87	1062.99	11.19		OSF1.50	11880.00	11532.10				MinPt-SF	
1319.83	374.95	1069.02	944.87	5.31		OSF1.50	21710.00	11550.00				MinPt-CtCt	
1319.83	375.16	1068.89	944.67	5.30		OSF1.50	21718.53	11550.00				MinPts	

30-025-40700 - DOS EQUIS 12 FEDERAL COM 1 - Gyro to 11268ft (DefinitiveSurvey)

Pass

1606.83	32.81	1604.33	1574.02	N/A		MAS = 10.00 (m)	0.00	0.00
1606.83	32.81	1604.33	1574.02	2187041.36		MAS = 10.00 (m)	10.00	10.00
1606.84	32.81	1604.33	1574.03	277253.14		MAS = 10.00 (m)	23.00	23.00
1607.04	32.81	1604.22	1574.23	5023.26		MAS = 10.00 (m)	90.00	90.00
1608.40	32.81	1603.81	1575.59	768.97		MAS = 10.00 (m)	280.00	280.00
1032.84	81.56	977.64	951.28	19.55		OSF1.50	5340.00	5277.10
1032.96	81.84	977.56	951.11	19.48		OSF1.50	5360.00	5297.07
1033.07	81.99	977.58	951.09	19.45		OSF1.50	5370.00	5307.06
1025.27	157.23	919.62	868.04	9.92		OSF1.50	10520.00	10457.01
1025.52	157.92	919.40	867.60	9.87		OSF1.50	10570.00	10507.01
1025.87	158.33	919.48	867.54	9.85		OSF1.50	10600.00	10537.01
974.17	165.27	863.16	808.90	8.95		OSF1.50	11620.00	11451.97
972.08	164.73	861.43	807.35	8.96		OSF1.50	11690.00	11482.91
972.03	164.66	861.42	807.37	8.97		OSF1.50	11700.00	11486.70
	164.63	861.43	807.39	8.97		OSF1.50	11704.70	11488.42
10124.25	183.27	10001.23	9940.98	83.99		OSF1.50	21718.53	11550.00

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
	1606.83	32.81	1604.33	1574.02	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	1606.83	32.81	1604.33	1574.02	2187041.36	MAS = 10.00 (m)	10.00	10.00				MinPts	
	1606.84	32.81	1604.33	1574.03	277253.14	MAS = 10.00 (m)	23.00	23.00				WRP	
	1607.04	32.81	1604.22	1574.23	5023.26	MAS = 10.00 (m)	90.00	90.00				MinPt-EOU	
	1608.40	32.81	1603.81	1575.59	768.97	MAS = 10.00 (m)	280.00	280.00				MinPt-EOU	
	1032.84	81.56	977.64	951.28	19.55	OSF1.50	5340.00	5277.10				MinPt-CtCt	
	1032.96	81.84	977.56	951.11	19.48	OSF1.50	5360.00	5297.07				MinPt-EOU	
	1033.07	81.99	977.58	951.09	19.45	OSF1.50	5370.00	5307.06				MinPt-ADP	
	1025.27	157.18	919.65	868.09	9.92	OSF1.50	10516.47	10453.49				MinPt-CtCt	
	1025.52	157.92	919.40	867.60	9.87	OSF1.50	10570.00	10507.01				MinPt-EOU	
	1025.62	158.06	919.41	867.56	9.87	OSF1.50	10580.00	10517.01				MinPt-ADP	
	1030.03	159.33	922.98	870.71	9.83	OSF1.50	10710.00	10647.01				MinPt-SF	
	1036.92	154.48	933.11	882.45	10.21	OSF1.50	12220.00	11550.00				MinPt-CtCt	
	1036.95	154.55	933.09	882.40	10.21	OSF1.50	12230.00	11550.00				MinPts	
	1074.75	168.52	961.57	906.23	9.69	OSF1.50	13090.00	11550.00				MinPt-ADP	
	1079.51	175.63	961.58	903.87	9.33	OSF1.50	13410.00	11550.00				MinPt-CtCt	
	1079.81	179.18	959.52	900.63	9.15	OSF1.50	13560.00	11550.00				MinPt-CtCt	
	1080.73	182.71	958.09	898.02	8.97	OSF1.50	13710.00	11550.00				MinPt-EOU	
	1084.52	190.60	956.63	893.93	8.63	OSF1.50	14010.00	11550.00				MinPt-EOU	
	1087.68	197.73	955.03	889.95	8.34	OSF1.50	14260.00	11550.00				MinPt-EOU	
	1090.69	207.22	951.71	883.47	7.97	OSF1.50	14560.00	11550.00				MinPt-CtCt	
	1095.57	233.15	939.31	862.43	7.11	OSF1.50	15330.00	11550.00				MinPt-CtCt	
	1083.74	264.23	906.76	819.51	6.20	OSF1.50	16190.00	11550.00				MinPt-CtCt	
	1083.79	264.39	906.69	819.39	6.19	OSF1.50	16200.00	11550.00				MinPt-EOU	
	1083.92	264.55	906.72	819.37	6.19	OSF1.50	16210.00	11550.00				MinPt-ADP	
	1084.87	264.92	907.42	819.95	6.19	OSF1.50	16240.00	11550.00				MinPt-SF	
	5633.26	191.17	5504.97	5442.08	44.77	OSF1.50	21718.53	11550.00				TD	
30-025-46874 - Bell Lake 24 Fed 22H - MWD to 17440ft - A (DefinitiveSurvey)													Pass
	15392.07	32.81	15389.57	15359.27	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	15392.01	32.81	15389.51	15359.21	1856785.47	MAS = 10.00 (m)	23.00	23.00				WRP	
	1106.05	312.89	896.62	793.16	5.33	OSF1.50	21718.53	11550.00				MinPts	
Coterra Dos Equis 12-13 Federal Com 47H Corrected MWD to 22528ft (DefinitiveSurvey)													Pass
	1256.75	32.81	1254.25	1223.94	#####	MAS = 10.00 (m)	0.00	0.00				MinPts	
	1256.75	32.81	1254.24	1223.94	95978.33	MAS = 10.00 (m)	23.00	23.00				WRP	
	1256.75	32.81	1252.00	1223.94	559.02	MAS = 10.00 (m)	290.00	290.00				MinPts	
	1258.58	32.81	1247.04	1225.77	139.08	MAS = 10.00 (m)	980.00	980.00				MinPt-EOU	
	1242.50	32.81	1222.25	1209.69	69.87	MAS = 10.00 (m)	1820.00	1819.78				MinPts	
	1242.67	32.81	1222.12	1209.86	68.73	MAS = 10.00 (m)	1850.00	1849.68				MinPt-EOU	
	1461.02	70.75	1413.01	1390.26	32.05	OSF1.50	4500.00	4449.49				MinPt-ADP	
	1135.35	120.58	1054.13	1014.77	14.39	OSF1.50	7945.13	7882.15				MinPt-CtCt	
	1137.69	128.55	1051.16	1009.15	13.51	OSF1.50	8510.00	8447.01				MinPt-EOU	
	1139.21	130.84	1051.15	1008.37	13.29	OSF1.50	8670.00	8607.01				MinPt-EOU	
	1141.83	133.75	1051.82	1008.07	13.02	OSF1.50	8880.00	8817.01				MinPt-ADP	
	1139.69	153.70	1036.30	985.90	11.28	OSF1.50	10240.00	10177.01				MinPt-CtCt	
	1140.41	156.15	1035.48	984.26	11.11	OSF1.50	10420.00	10357.01				MinPt-EOU	
	1140.11	158.90	1033.35	981.21	10.91	OSF1.50	10600.00	10537.01				MinPt-CtCt	
	1140.23	159.22	1033.25	981.02	10.89	OSF1.50	10630.00	10567.01				MinPt-EOU	
	1140.32	159.32	1033.27	981.00	10.88	OSF1.50	10640.00	10577.01				MinPt-ADP	
	1143.48	165.28	1032.46	978.20	10.51	OSF1.50	11050.00	10986.99				MinPt-CtCt	
	1143.53	165.44	1032.40	978.09	10.50	OSF1.50	11070.00	11006.94				MinPt-EOU	
	1143.59	165.52	1032.41	978.07	10.50	OSF1.50	11080.00	11016.89				MinPt-ADP	
	1148.47	166.71	1036.49	981.76	10.47	OSF1.50	11230.00	11162.18				MinPt-SF	
	1608.07	168.16	1495.13	1439.91	14.54	OSF1.50	12460.00	11550.00				MinPt-CtCt	
	1608.27	168.69	1494.98	1439.58	14.49	OSF1.50	12530.00	11550.00				MinPt-EOU	
	1604.75	173.30	1488.39	1431.45	14.07	OSF1.50	13000.00	11550.00				MinPt-CtCt	
	1602.99	183.86	1479.59	1419.13	13.24	OSF1.50	13810.00	11550.00				MinPt-CtCt	
	1603.25	184.62	1479.33	1418.62	13.18	OSF1.50	13870.00	11550.00				MinPt-EOU	
	1601.67	186.97	1476.19	1414.70	13.00	OSF1.50	14010.00	11550.00				MinPt-CtCt	
	1601.77	187.28	1476.08	1414.49	12.98	OSF1.50	14040.00	11550.00				MinPt-EOU	
	1601.86	187.38	1476.10	1414.48	12.98	OSF1.50	14050.00	11550.00				MinPt-ADP	
	1603.86	193.13	1474.27	1410.73	12.60	OSF1.50	14380.00	11550.00				MinPt-CtCt	
	1604.02	193.60	1474.12	1410.42	12.57	OSF1.50	14420.00	11550.00				MinPt-EOU	
	1604.12	193.72	1474.14	1410.40	12.56	OSF1.50	14430.00	11550.00				MinPt-ADP	
	1603.62	197.49	1471.12	1406.13	12.32	OSF1.50	14630.00	11550.00				MinPt-CtCt	
	1604.06	198.71	1470.75	1405.35	12.24	OSF1.50	14710.00	11550.00				MinPt-EOU	
	1607.71	207.40	1468.61	1400.31	11.75	OSF1.50	15160.00	11550.00				MinPt-EOU	
	1607.84	213.79	1464.48	1394.05	11.40	OSF1.50	15460.00	11550.00				MinPt-CtCt	
	1608.47	215.55	1463.94	1392.92	11.31	OSF1.50	15560.00	11550.00				MinPt-EOU	
	1609.49	218.23	1463.17	1391.27	11.17	OSF1.50	15670.00	11550.00				MinPt-CtCt	
	1610.14	220.02	1462.63	1390.12	11.09	OSF1.50	15770.00	11550.00				MinPt-EOU	
	1611.63	222.64	1462.36	1388.98	10.96	OSF1.50	15890.00	11550.00				MinPt-EOU	
	1613.28	231.34	1458.22	1381.94	10.56	OSF1.50	16260.00	11550.00				MinPt-CtCt	
	1613.12	241.25	1451.45	1371.86	10.12	OSF1.50	16680.00	11550.00				MinPt-CtCt	
	1611.86	251.47	1443.37	1360.38	9.70	OSF1.50	17110.00	11550.00				MinPt-CtCt	
	1612.06	252.12	1443.15	1359.94	9.67	OSF1.50	17150.00	11550.00				MinPt-EOU	
	1612.32	252.43	1443.20	1359.89	9.66	OSF1.50	17170.00	11550.00				MinPt-ADP	
	1617.37	259.15	1443.77	1358.22	9.44	OSF1.50	17430.00	11550.00				MinPt-EOU	
	1620.02	263.55	1443.48	1356.46	9.29	OSF1.50	17600.00	11550.00				MinPt-EOU	
	1621.06	264.84	1443.67	1356.22	9.25	OSF1.50	17660.00	11550.00				MinPt-ADP	
	1623.62	269.25	1443.29	1354.37	9.12	OSF1.50	17820.00	11550.00				MinPt-EOU	
	1626.29	272.31	1443.91	1353.98	9.03	OSF1.50	17950.00	11550.00				MinPt-ADP	
	1611.92	298.48	141										

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
30-025-24433 - WIMBERLY 2 - INC Only to 5038ft (DefinitiveSurvey)													Pass
1788.62	32.81	1786.82	1755.82	N/A	MAS = 10.00 (m)	0.00	0.00					Surface	
1788.40	32.81	1786.57	1755.59	80133.56	MAS = 10.00 (m)	20.00	20.00					MinPt-SF	
1788.39	32.81	1786.56	1755.58	99122.58	MAS = 10.00 (m)	23.00	23.00					WRP	
1259.66	325.13	1042.30	934.53	5.84	OSF1.50	5190.00	5127.64					MinPt-SF	
1259.22	324.90	1042.01	934.31	5.84	OSF1.50	5210.00	5147.53					MinPts	
1259.15	324.74	1042.05	934.41	5.84	OSF1.50	5221.06	5158.54					MinPt-CtCt	
8939.99	273.99	8756.73	8666.00	49.26	OSF1.50	17970.00	11550.00					MinPt-SF	
11811.73	328.21	11592.32	11483.52	54.27	OSF1.50	21718.53	11550.00					TD	
30-025-46876 - Bell Lake 24 Fed 25H - MWD to 17633ft - A (DefinitiveSurvey)													Pass
15395.65	32.81	15393.15	15362.84	N/A	MAS = 10.00 (m)	0.00	0.00					Surface	
15395.59	32.81	15393.08	15362.78	1857647.59	MAS = 10.00 (m)	23.00	23.00					WRP	
15395.56	32.81	15392.97	15362.75	160900.34	MAS = 10.00 (m)	50.00	50.00					MinPts	
15396.49	32.81	15392.08	15363.69	8035.07	MAS = 10.00 (m)	320.00	320.00					MinPt-EOU	
15401.60	32.81	15393.11	15368.79	2571.23	MAS = 10.00 (m)	760.00	760.00					MinPt-EOU	
15403.44	32.81	15393.18	15370.63	1984.04	MAS = 10.00 (m)	930.00	930.00					MinPt-EOU	
1609.98	349.88	1375.89	1260.10	6.94	OSF1.50	21718.53	11550.00					MinPts	
30-025-46871 - Bell Lake 24 Fed 18H - MWD to 17350ft - A (DefinitiveSurvey)													Pass
15444.99	32.81	15442.49	15412.18	N/A	MAS = 10.00 (m)	0.00	0.00					Surface	
15444.98	32.81	15442.47	15412.17	7066162.07	MAS = 10.00 (m)	10.00	10.00					MinPt-SF	
15444.97	32.81	15442.47	15412.16	#####	MAS = 10.00 (m)	23.00	23.00					WRP	
15443.90	32.81	15435.55	15411.09	2657.26	MAS = 10.00 (m)	680.00	680.00					MinPts	
1647.15	370.61	1399.25	1276.54	6.70	OSF1.50	21718.53	11550.00					MinPts	
30-025-24530 - WIMBERLY 4 - INC Only to 5030ft (DefinitiveSurvey)													Pass
1828.30	32.81	1826.49	1795.49	N/A	MAS = 10.00 (m)	0.00	0.00					Surface	
1828.21	32.81	1826.39	1795.40	152396.67	MAS = 10.00 (m)	10.00	10.00					MinPt-SF	
1828.18	32.81	1826.37	1795.37	768882.41	MAS = 10.00 (m)	20.00	20.00					MinPt-EOU	
1828.18	32.81	1826.37	1795.37	N/A	MAS = 10.00 (m)	23.00	23.00					WRP	
1814.00	162.98	1704.74	1651.02	16.87	OSF1.50	3026.41	3005.47					MinPt-CtCt	
1855.99	292.78	1660.20	1563.21	9.56	OSF1.50	5000.00	4939.62					MinPt-EOU	
1859.70	298.81	1659.90	1560.90	9.38	OSF1.50	5110.00	5048.26					MinPts	
1860.02	298.94	1660.12	1561.08	9.38	OSF1.50	5120.00	5058.17					MinPt-SF	
6499.59	96.45	6434.69	6403.14	102.98	OSF1.50	13220.00	11550.00					MinPt-CtCt	
6499.80	97.06	6434.50	6402.75	102.33	OSF1.50	13270.00	11550.00					MinPt-EOU	
6500.25	97.59	6434.58	6402.66	101.77	OSF1.50	13310.00	11550.00					MinPt-ADP	
8719.72	263.86	8543.21	8455.85	49.90	OSF1.50	19030.00	11550.00					MinPt-SF	
10701.28	304.85	10497.45	10396.44	52.96	OSF1.50	21718.53	11550.00					TD	
30-025-41304 - Bell Lake 24 Fed 4H - MWD to 15872ft - A (DefinitiveSurvey)													Pass
15359.35	32.81	15356.85	15326.54	N/A	MAS = 10.00 (m)	0.00	0.00					Surface	
15359.30	32.81	15356.79	15326.49	2155770.68	MAS = 10.00 (m)	23.00	23.00					WRP	
1931.62	375.23	1680.64	1556.40	7.76	OSF1.50	21718.53	11550.00					MinPts	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 321103

CONDITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 321103
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	5/3/2024