

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

General Information
Phone: (505) 629-6116

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

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

Form C-101
August 1, 2011

Permit 408747

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706		2. OGRID Number 215099
4. Property Code 338851		3. API Number 30-025-55932
5. Property Name BRIDGE STATE COM		6. Well No. 222H

7. Surface Location

UL - Lot I	Section 12	Township 20S	Range 35E	Lot Idn	Feet From 2569	N/S Line S	Feet From 1201	E/W Line E	County Lea
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8. Proposed Bottom Hole Location

UL - Lot H	Section 25	Township 20S	Range 35E	Lot Idn H	Feet From 2540	N/S Line N	Feet From 330	E/W Line E	County Lea
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9. Pool Information

WC-025 G-06 S203511G;BONE SPRING	96585
FEATHERSTONE;BONE SPRING, EAST	24270

Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 3642
16. Multiple Y	17. Proposed Depth 25546	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 3/25/2026
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	2078	1277	0
Int1	12.25	9.625	40	3465	666	0
Prod	8.75	7	29	9559	387	3265
Prod	8.75	5.5	20	25546	4660	9559

Casing/Cement Program: Additional Comments

Production casing design is a tapered long string 7" x 5.5" design
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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	
Double Ram	10000	10000	
Pipe	10000	10000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well. I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable. Signature:	OIL CONSERVATION DIVISION	
Printed Name: Electronically filed by Phillip Levasseur		Approved By: Jeffrey Harrison
Title: Regulatory Compliance Manager		Title: Petroleum Specialist III
Email Address: phillip.levasseur@coterra.com		Approved Date: 2/19/2026 Expiration Date: 2/19/2028
Date: 2/11/2026 Phone: 412-759-4585		Conditions of Approval Attached

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024
		Submittal Type: <input checked="" type="checkbox"/> Initial Submittal <input type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled

WELL LOCATION INFORMATION

API Number 30-025-55932	Pool Code 96585	Pool Name WC-025 G-06 S203511G;BONE SPRING
Property Code 338851	Property Name BRIDGE STATE COM	Well Number 222H
OGRID No. 215099	Operator Name COTERRA ENERGY OPERATING CO.	Ground Level Elevation 3641.9'
Surface Owner: <input type="checkbox"/> State <input checked="" type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal		Mineral Owner: <input checked="" type="checkbox"/> State <input checked="" type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
I	12	20S	35E		2569 SOUTH	1201 EAST	32.587553°	-103.406080°	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
H	25	20S	35E		2540 NORTH	330 EAST	32.544441°	-103.403299°	LEA

Dedicated Acres 160	Infill or Defining Well Infill	Defining Well API 221H - Pending	Overlapping Spacing Unit (Y/N) Y	Consolidation Code C
Order Numbers. pending		Well setbacks are under Common Ownership: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
I	12	20S	35E		2540 SOUTH	660 EAST	32.587473°	-103.404324°	LEA

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
I	12	20S	35E		2540 SOUTH	660 EAST	32.587473°	-103.404324°	LEA

Last Take Point (LTP)

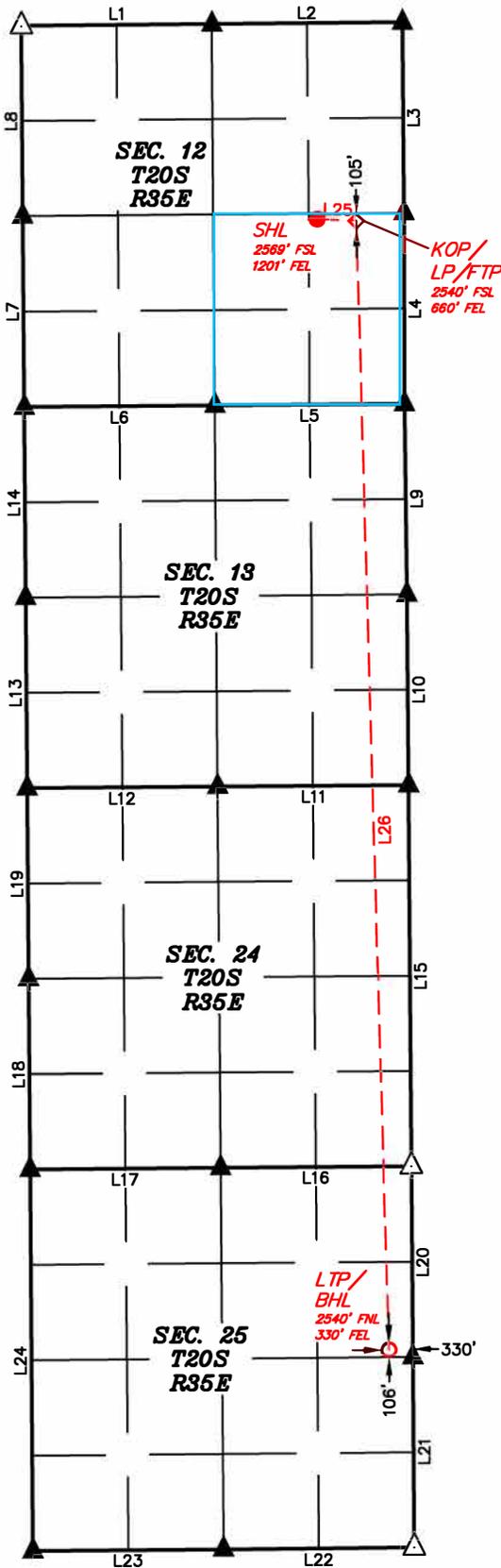
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
H	25	20S	35E		2540 NORTH	330 EAST	32.544441°	-103.403299°	LEA

Unitized Area or Area of Uniform Interest E2 Section 12,13,24,25	Spacing Unit Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation: 3641.9
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<p>OPERATOR CERTIFICATIONS</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p><i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i></p> <p style="text-align: center;"><i>Shelly Bowen</i> 1/17/2026</p>	<p>SURVEYOR CERTIFICATIONS</p> <p><i>I hereby certify that the well location shown on this plat was plotted from the field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <div style="text-align: center;">  </div>
Signature _____ Date _____	Signature and Seal of Professional Surveyor _____
Shelly Bowen	23782 December 30, 2025
Printed Name	Certificate Number Date of Survey
shelly.bowen@coterra.com	
Email Address	

Note: No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

Property Name BRIDGE STATE COM	Well Number 222H	Drawn By D.J.S. 01-07-26	Revised By
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NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°35'15.19" (32.587553°)
LONGITUDE = -103°24'21.89" (-103.406080°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°35'14.75" (32.587429°)
LONGITUDE = -103°24'20.14" (-103.405595°)
STATE PLANE NAD 83 (N.M. EAST)
N: 578727.13' E: 826932.23'
STATE PLANE NAD 27 (N.M. EAST)
N: 578664.61' E: 785750.60'

NAD 83 (KOP/LP/FTP)
LATITUDE = 32°35'14.90" (32.587473°)
LONGITUDE = -103°24'15.57" (-103.404324°)
NAD 27 (KOP/LP/FTP)
LATITUDE = 32°35'14.46" (32.587349°)
LONGITUDE = -103°24'13.82" (-103.403839°)
STATE PLANE NAD 83 (N.M. EAST)
N: 578702.72' E: 827473.33'
STATE PLANE NAD 27 (N.M. EAST)
N: 578640.20' E: 786291.68'

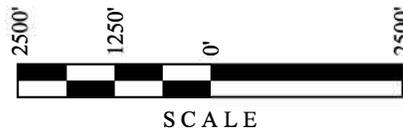
NAD 83 (LTP/BHL)
LATITUDE = 32°32'39.99" (32.544441°)
LONGITUDE = -103°24'11.88" (-103.403299°)
NAD 27 (LTP/BHL)
LATITUDE = 32°32'39.54" (32.544317°)
LONGITUDE = -103°24'10.14" (-103.402816°)
STATE PLANE NAD 83 (N.M. EAST)
N: 563049.51' E: 827925.85'
STATE PLANE NAD 27 (N.M. EAST)
N: 562987.32' E: 786743.63'

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S89°27'08"W	2642.76'
L2	S89°28'49"W	2642.97'
L3	N00°28'10"W	2644.10'
L4	N00°12'28"W	2645.73'
L5	S89°31'58"W	2631.64'
L6	S89°31'05"W	2642.80'
L7	N00°29'17"W	2643.90'
L8	N00°26'01"W	2640.44'
L9	N00°43'48"W	2642.36'
L10	N00°27'47"W	2643.74'
L11	S89°30'14"W	2649.46'
L12	S89°31'07"W	2639.48'
L13	N00°27'30"W	2642.63'
L14	N00°25'14"W	2644.76'
L15	N00°25'35"W	5290.66'
L16	S89°35'36"W	2644.80'
L17	S89°27'18"W	2642.04'
L18	N00°27'17"W	2646.05'
L19	N00°26'37"W	2643.41'
L20	N00°25'35"W	2645.33'
L21	N00°26'42"W	2641.58'
L22	S89°26'38"W	2643.70'
L23	S89°28'36"W	2643.47'
L24	N00°25'56"W	5292.80'
L25	S87°25'00"E	541.65'
L26	S01°39'21"E	15659.75'

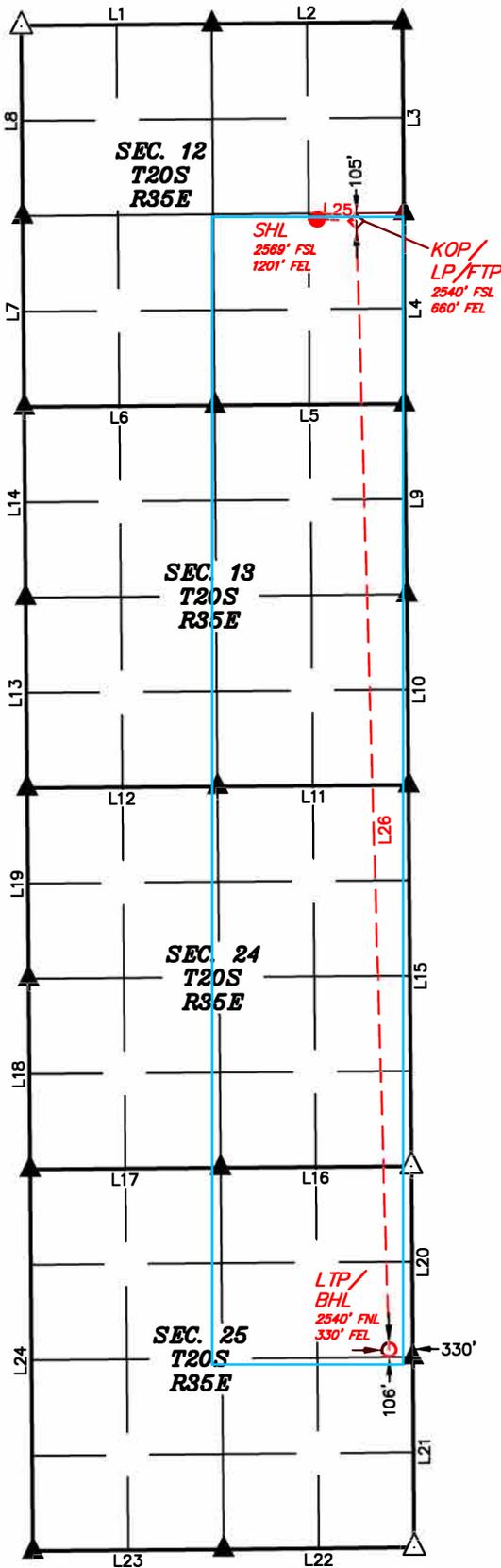
- = SURFACE HOLE LOCATION
- ◆ = KICK OFF POINT/
LANDING POINT/
FIRST TAKE POINT
- = LAST TAKE POINT/
BOTTOM HOLE LOCATION
- ▲ = SECTION CORNER LOCATED
- △ = SECTION CORNER
RE-ESTABLISHED.
(Not Set on Ground.)

NOTE:

- Distances referenced on plat to section lines are perpendicular.
- Bearings, Distances, Coordinates and Acreages are based on the New Mexico coordinate grid system of 1983, East Zone, in U.S. Feet.
- Section Breakdown information can be obtained from Uintah Engineering & Land Surveying.



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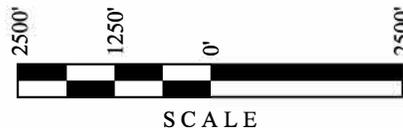
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(Not Set on Ground.)

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- Section Breakdown information can be obtained from Uintah Engineering & Land Surveying.





MODRALL SPERLING
LAWYERS

December 15, 2025

Deana M. Bennett
505.848.1834
dmb@modrall.com

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

**Re: APPLICATION OF COTERRA ENERGY
OPERATING CO. FOR APPROVAL OF
A NON-STANDARD UNIT, COMPULSORY POOLING,
AND TO THE EXTENT NECESSARY,
APPROVAL OF AN OVERLAPPING SPACING UNIT,
LEA COUNTY, NEW MEXICO**

CASE NO. 25813

TO: AFFECTED PARTIES

This letter is to advise you that Coterra Energy Operating Co. ("Coterra") has filed the enclosed application.

In Case No. 25813, Coterra seeks an order from the Division approving a non-standard spacing unit and pooling all uncommitted interests within a 960-acre, more or less, Bone Spring horizontal spacing unit comprised of the SE/4 of Section 12, the E/2 of Sections 13 and 24, and the NE/4 of Section 25, Township 20 South, Range 35 East, NMPM, Lea County, New Mexico the Featherstone, Bone Spring, East pool (pool code 24270); the WC-025 G-06 S203511G; Bone Spring pool (pool code 96585); and/or the Featherstone; Bone Spring pool (pool code 24250). This spacing unit will be dedicated to the following wells: **Bridge State Com #221H** well with a proposed first take point in the NW/4 SE/4 (Unit J) of Section 12 and proposed last take point in the SW/4 NE/4 (Unit G) of Section 25; and **Bridge State Com #222H** well with a proposed first take point in the NE/4 SE/4 (Unit I) of Section 12 and proposed last take point in the SE/4 NE/4 (Unit H) of Section 25. The wells will be horizontally drilled, and the producing areas for the wells are expected to be orthodox. Applicant also seeks, to the extent necessary, approval of an overlapping spacing unit. This proposed unit will partially overlap with the following existing spacing unit: A 160-acre spacing unit dedicated to the Tayberries 13 State #501H (API No. 30-025-42731) located in the W/2E/2 of Section 13, Township 20 South, Range 35 East and operated by EOG Resources, Inc. Also to be considered will be the cost of drilling, completing,

Modrall Spierling
Roehl Harris & Sisk P.A.

500 Fourth Street NW
Suite 1000
Albuquerque,
New Mexico 87102

PO Box 2168
Albuquerque,
New Mexico 87103-2168

Tel: 505.848.1800
www.modrall.com

Page 2

and equipping said wells, the allocation of these costs as well as the actual operating costs and charges for supervision while drilling and after completion, designation of Coterra Energy Operating Co. as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 17 miles southwest from Hobbs, New Mexico.

The hearing is set for January 8, 2026 beginning at 9:00 a.m. The hearing will be conducted in a hybrid fashion, both in-person at the Energy, Minerals, Natural Resources Department, Wendell Chino Building, Pecos Hall, 1220 South St. Francis Drive, 1st Floor, Santa Fe, NM 87505 and via the WebEx virtual meeting platform. To participate in the electronic hearing, see the instructions posted on the docket for the hearing date: <https://www.emnrd.nm.gov/ocd/hearing-info/>.

As a party who may be affected by this application, we are notifying you of your right to appear at the hearing and participate in this case, including the right to present evidence either in support of or in opposition to the application. Failure to appear at the hearing may preclude you from any involvement in this case at a later date.

You are further notified that if you desire to appear in this case, then you are requested to file a Pre-Hearing Statement with the Division at least four business days in advance of a scheduled hearing before the Division or the Commission, but in no event later than 5:00 p.m. mountain time, on the Thursday preceding the scheduled hearing date, with a copy delivered to the undersigned.

Sincerely,



Deana M. Bennett

Attorney for Applicant

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**APPLICATION OF COTERRA ENERGY
OPERATING CO. FOR APPROVAL OF
A NON-STANDARD UNIT, COMPULSORY POOLING,
AND TO THE EXTENT NECESSARY,
APPROVAL OF AN OVERLAPPING SPACING UNIT,
LEA COUNTY, NEW MEXICO**

CASE NO. 25813

APPLICATION

Coterra Energy Operating Co. ("Coterra"), OGRID Number 215099, through its undersigned attorneys, hereby submits this application to the Oil Conservation Division pursuant to the provisions of NMSA (1978), Section 70-2-17, for an order (1) approving a non-standard unit, (2) pooling all uncommitted mineral interests within a non-standard 960-acre, more or less, Bone Spring spacing unit comprised of the SE/4 of Section 12, the E/2 of Sections 13 and 24, and the NE/4 of Section 25, Township 20 South, Range 35 East, NMPM, Lea County, New Mexico, and (3) approving, to the extent necessary, an overlapping spacing unit. In support of this application, Coterra states as follows:

1. Coterra has an interest in the subject lands and has a right to drill and operate a well thereon.
2. Coterra seeks to dedicate SE/4 of Section 12, the E/2 of Sections 13 and 24, and the NE/4 of Section 25, Township 20 South, Range 35 East, NMPM, Lea County, New Mexico to form a 960-acre, more or less, Bone Spring horizontal spacing unit in the Featherstone, Bone Spring, East pool (pool code 24270); the WC-025 G-06 S203511G; Bone Spring pool (pool code 96585); and/or the Featherstone; Bone Spring pool (pool code 24250).

3. Coterra seeks approval of the 960-acre non-standard spacing to efficiently locate surface facilities, reduce surface disturbance, consolidate roads, tanks, and pipelines, and promote effective well spacing.

4. Coterra seeks to dedicate the unit to the following wells:

- a. **Bridge State Com #221H** well with a proposed first take point in the NW/4 SE/4 (Unit J) of Section 12 and proposed last take point in the SW/4 NE/4 (Unit G) of Section 25; and
- b. **Bridge State Com #222H** well with a proposed first take point in the NE/4 SE/4 (Unit I) of Section 12 and proposed last take point in the SE/4 NE/4 (Unit H) of Section 25.

5. The wells will be horizontally drilled, and the producing areas for the wells are expected to be orthodox.

6. This proposed unit will partially overlap with the following existing spacing unit: A 160-acre spacing unit dedicated to the Tayberries 13 State #501H (API No. 30-025-42731) located in the W/2E/2 of Section 13, Township 20 South, Range 35 East and operated by EOG Resources, Inc.

7. Coterra sought, but has been unable to obtain, a voluntary agreement from all interest owners in the Bone Spring formation underlying the proposed spacing unit to participate in the drilling of the wells or to otherwise commit their interests to the wells.

8. The pooling of all interests in the Bone Spring formation underlying the proposed unit will prevent the drilling of unnecessary wells, prevent waste and protect correlative rights.

9. Approval of a non-standard spacing unit will allow Coterra to efficiently locate surface facilities for the recovery of oil and gas underlying the subject lands and reduce surface disturbance.

WHEREFORE, Coterra requests that this case is set for hearing before an Examiner of the Oil Conservation Division on January 8, 2026, and after notice and hearing as required by law, the Division enter its order:

A. Approving the non-standard spacing unit;

B. Pooling all uncommitted mineral interests in the Bone Spring formation underlying a horizontal spacing unit within the SE/4 of Section 12, the E/2 of Sections 13 and 24, and the NE/4 of Section 25, Township 20 South, Range 35 East, NMPM, Lea County, New Mexico;

C. Designating Coterra as operator of this unit and the wells to be drilled thereon;

D. Authorizing Coterra to recover its costs of drilling, equipping and completing the wells;

E. Approving actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure;

F. Setting a 200% charge for the risk involved in drilling and completing the wells in the event a working interest owner elects not to participate in the wells;

G. Approving, to the extent necessary, the proposed overlapping spacing unit.

Respectfully submitted,

MODRALL, SPERLING, ROEHL, HARRIS
& SISK, P.A.

By: Deana M. Bennett
Earl E. DeBrine, Jr.
Deana M. Bennett
Post Office Box 2168

500 Fourth Street NW, Suite 1000
Albuquerque, New Mexico 87103-2168
Telephone: 505.848.1800
edebrine@modrall.com
deana.bennett@modrall.com
Attorneys for Applicant

CASE NO. 25813: Application of Coterra Energy Operating Co. for approval of a non-standard spacing unit, compulsory pooling, and, to the extent necessary, approval of an overlapping spacing unit, Lea County, New Mexico. Applicant seeks an order from the Division approving a non-standard spacing unit and pooling all uncommitted interests within a 960-acre, more or less, Bone Spring horizontal spacing unit comprised of the SE/4 of Section 12, the E/2 of Sections 13 and 24, and the NE/4 of Section 25, Township 20 South, Range 35 East, NMPM, Lea County, New Mexico the Featherstone, Bone Spring, East pool (pool code 24270); the WC-025 G-06 S203511G; Bone Spring pool (pool code 96585); and/or the Featherstone; Bone Spring pool (pool code 24250). This spacing unit will be dedicated to the following wells: **Bridge State Com #221H** well with a proposed first take point in the NW/4 SE/4 (Unit J) of Section 12 and proposed last take point in the SW/4 NE/4 (Unit G) of Section 25; and **Bridge State Com #222H** well with a proposed first take point in the NE/4 SE/4 (Unit I) of Section 12 and proposed last take point in the SE/4 NE/4 (Unit H) of Section 25. The wells will be horizontally drilled, and the producing areas for the wells are expected to be orthodox. Applicant also seeks, to the extent necessary, approval of an overlapping spacing unit. This proposed unit will partially overlap with the following existing spacing unit: A 160-acre spacing unit dedicated to the Tayberries 13 State #501H (API No. 30-025-42731) located in the W/2E/2 of Section 13, Township 20 South, Range 35 East and operated by EOG Resources, Inc. Also to be considered will be the cost of drilling, completing, and equipping said wells, the allocation of these costs as well as the actual operating costs and charges for supervision while drilling and after completion, designation of Coterra Energy Operating Co. as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 17 miles southwest from Hobbs, New Mexico.



December 23, 2025

Dear Covius Document Services:

The following is in response to your request for proof of delivery on your item with the tracking number: **9314 8699 0430 0143 5497 05.**

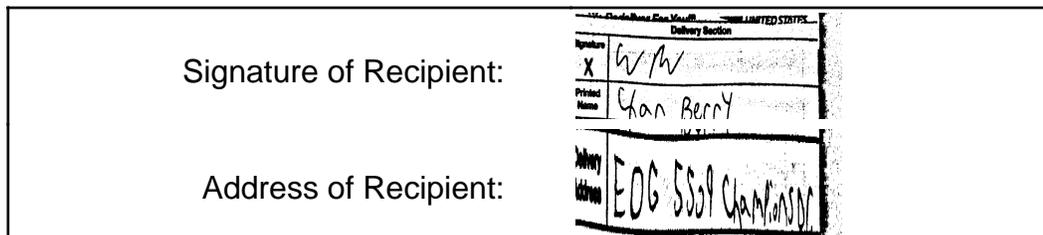
Item Details

Status: Delivered, Individual Picked Up at Postal Facility
Status Date / Time: December 22, 2025, 07:46 a.m.
Location: MIDLAND, TX 79701
Postal Product: First-Class Mail®
Extra Services: Certified Mail™
 Return Receipt Electronic
Recipient Name: EOG Resources Inc

Shipment Details

Weight: 2.0oz

Recipient Signature



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Sincerely,
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Reference Number: 11522.0003Bridge

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Karlene Schuman
Modrall Sperling Roehl Harris & Sisk P.A.
100 Fourth Street, Suite 1000
Albuquerque NM 87102

PS Form 3877
Type of Mailing: CERTIFIED MAIL
12/15/2025

Firm Mailing Book ID: 301391

Received by OCD: 2/11/2026 2:53:12 PM

Line	USPS Article Number	Name, Street, City, State, Zip	Postage	Service Fee	RR Fee	Rest.Del.Fee	Reference Contents
1	9314 8699 0430 0143 5496 75	SITL Energy LLC 308 N. Colorado, Ste. 200 Midland TX 79701	\$1.90	\$5.30	\$2.82	\$0.00	11522.0003Bridge Notice
2	9314 8699 0430 0143 5496 82	Avant Operating II, LLC 1515 Wynkoop St., Ste. 700 Denver CO 80202	\$1.90	\$5.30	\$2.82	\$0.00	11522.0003Bridge Notice
3	9314 8699 0430 0143 5496 99	Blacktail Energy, LLC PO Box 51785 Midland TX 79710	\$1.90	\$5.30	\$2.82	\$0.00	11522.0003Bridge Notice
4	9314 8699 0430 0143 5497 05	EOG Resources, Inc. 5509 Champions Drive Midland TX 79706	\$1.90	\$5.30	\$2.82	\$0.00	11522.0003Bridge Notice
5	9314 8699 0430 0143 5497 12	Kastleford Land Company, LLC PO Box 51540 Midland TX 79710	\$1.90	\$5.30	\$2.82	\$0.00	11522.0003Bridge Notice
6	9314 8699 0430 0143 5497 29	OXY Y-1 5 Greenway Plaza, Ste 110 Houston TX 77046	\$1.90	\$5.30	\$2.82	\$0.00	11522.0003Bridge Notice
7	9314 8699 0430 0143 5497 36	Rockwood Energy, LP 4450 Oak Park Ln, Ste. 101897 Fort Worth TX 76109	\$1.90	\$5.30	\$2.82	\$0.00	11522.0003Bridge Notice
8	9314 8699 0430 0143 5497 43	Miller Family Mineral Interest LLC 6640 N. Amherst Portland OR 97203	\$1.90	\$5.30	\$2.82	\$0.00	11522.0003Bridge Notice
9	9314 8699 0430 0143 5497 50	SKV, LLC 1175 Jackalope Rd. Vaughn NM 88353	\$1.90	\$5.30	\$2.82	\$0.00	11522.0003Bridge Notice
10	9314 8699 0430 0143 5497 67	Benjamin Keith Williams & Allison Williams 2207 Seaboard Ave. Midland TX 79705	\$1.90	\$5.30	\$2.82	\$0.00	11522.0003Bridge Notice
11	9314 8699 0430 0143 5497 74	Grizzly Land Holdings, LLC Blacktail Energy PO Box 51785 Midland TX 79710	\$1.90	\$5.30	\$2.82	\$0.00	11522.0003Bridge Notice
12	9314 8699 0430 0143 5497 81	Jerry H. McCullar, III & Jennifer G. McCullar 2204 Boyd Ave. Midland TX 79701	\$1.90	\$5.30	\$2.82	\$0.00	11522.0003Bridge Notice
13	9314 8699 0430 0143 5497 98	Keith Williams and Becky Williams 2015 Coleman Ct. Midland TX 79705	\$1.90	\$5.30	\$2.82	\$0.00	11522.0003Bridge Notice
14	9314 8699 0430 0143 5498 04	Paul E. Casseb, III & Bonnie R. Casseb SITL Energy, LLC 308 N. Colorado, Ste. 200 Midland TX 79701	\$1.90	\$5.30	\$2.82	\$0.00	11522.0003Bridge Notice
15	9314 8699 0430 0143 5498 11	Ronald Preson Miles PO Box 2288 Santa Fe NM 87501	\$1.90	\$5.30	\$2.82	\$0.00	11522.0003Bridge Notice

Released to Imaging: 2/19/2026 7:51:38 AM

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Received by OCD: 2/11/2026 2:53:12 PM

Line	USPS Article Number	Name, Street, City, State, Zip	Postage	Service Fee	RR Fee	Rest.Del.Fee	Reference Contents
16	9314 8699 0430 0143 5498 28	Tejas Exploration, LLC PO Box 3531 Midland TX 79702	\$1.90	\$5.30	\$2.82	\$0.00	11522.0003Bridge Notice
17	9314 8699 0430 0143 5498 35	Ventura Oil & Gas LLC 308 N. Colorado, Ste. 200 Midland TX 79701	\$1.90	\$5.30	\$2.82	\$0.00	11522.0003Bridge Notice
18	9314 8699 0430 0143 5498 42	State of New Mexico New Mexico State Land Office 310 Old Santa Fe Trail Santa Fe NM 87501	\$1.90	\$5.30	\$2.82	\$0.00	11522.0003Bridge Notice
19	9314 8699 0430 0143 5498 59	Mewbourne Oil Company attn: Land Department 500 W. Texas, Suite 1020 Midland TX 79701	\$1.90	\$5.30	\$2.82	\$0.00	11522.0003Bridge Notice
20	9314 8699 0430 0143 5498 66	BTA Oil Producers 104 South Pecos Midland TX 79701	\$1.90	\$5.30	\$2.82	\$0.00	11522.0003Bridge Notice
21	9314 8699 0430 0143 5498 73	Permian Resources 300 N. Marienfeld Street, Suite 1000 Midland TX 79701	\$1.90	\$5.30	\$2.82	\$0.00	11522.0003Bridge Notice
22	9314 8699 0430 0143 5498 80	3R Operating 20405 State Highway 249, Suite 820 Houston TX 77070	\$1.90	\$5.30	\$2.82	\$0.00	11522.0003Bridge Notice
23	9314 8699 0430 0143 5498 97	Occidental Permian, LTD 5 Greenway Plaza, Suite 110 Houston TX 77046	\$1.90	\$5.30	\$2.82	\$0.00	11522.0003Bridge Notice
24	9314 8699 0430 0143 5499 03	XTO Holdings, LLC 22777 Springwoods Village Pkwy Spring TX 77389	\$1.90	\$5.30	\$2.82	\$0.00	11522.0003Bridge Notice
Totals:			\$45.60	\$127.20	\$67.68	\$0.00	
Grand Total:						\$240.48	

List Number of Pieces Listed by Sender Total Number of Pieces Received at Post Office Postmaster: Name of receiving employee Dated:

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

General Information
Phone: (505) 629-6116

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

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

Form APD Comments

Permit 408747

PERMIT COMMENTS

Operator Name and Address: Coterra Energy Operating Co. [215099] 6001 Deauville Blvd Midland, TX 79706	API Number: 30-025-55932
	Well: BRIDGE STATE COM #222H

Created By	Comment	Comment Date
jeffrey.harrison	Operator confirmed receipt of overlapping spacing unit notice on 12/22/25 and no response within subsequent required 20 day period.	2/18/2026
jeffrey.harrison	Infill well to 30-025-55928 BRIDGE STATE COM #221H [338851]	2/18/2026

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

General Information
Phone: (505) 629-6116

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

Form APD Conditions

Permit 408747

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: Coterra Energy Operating Co. [215099] 6001 Deauville Blvd Midland, TX 79706	API Number: 30-025-55932
	Well: BRIDGE STATE COM #222H

OCD Reviewer	Condition
jeffrey.harrison	NSP required if not included in an existing order or not an infill to an appropriate defining well in the same pool and spacing unit.
jeffrey.harrison	Cement is required to circulate on both surface and intermediate1 strings of casing.
jeffrey.harrison	If the method of isolation was not by circulation, a CBL must be performed; if strata isolation is not achieved, then remediation will be required before further operations.
jeffrey.harrison	File As Drilled C-102 and a directional Survey with C-104 completion packet.
jeffrey.harrison	Notify the OCD 24 hours prior to casing & cement.
jeffrey.harrison	A [C-103] Sub. Drilling (C-103N) is required within (10) days of spud.
jeffrey.harrison	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.
jeffrey.harrison	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.

Coterra Energy
 Site: Bridge State Com Pad
 Well: Bridge State Com 222H
 Wellbore: OH
 Design: Plan #1
 Rig: H&P 502



SHL

2569' FSL, 1201' FEL
 RKB Elevation: GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	578727.13	826932.23	32.5875527	-103.4060798	



Azimuths to Grid North
 True North: -0.50°
 Magnetic North: 5.55°
 Magnetic Field
 Strength: 47313.5nT
 Dip Angle: 60.28°
 Date: 2/4/2026
 Model: HDGM2026

To convert a Magnetic Direction to a Grid Direction, Add 5.55°

PROJECT DETAILS: Lea County, NM (NAD 83)

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Eastern Zone

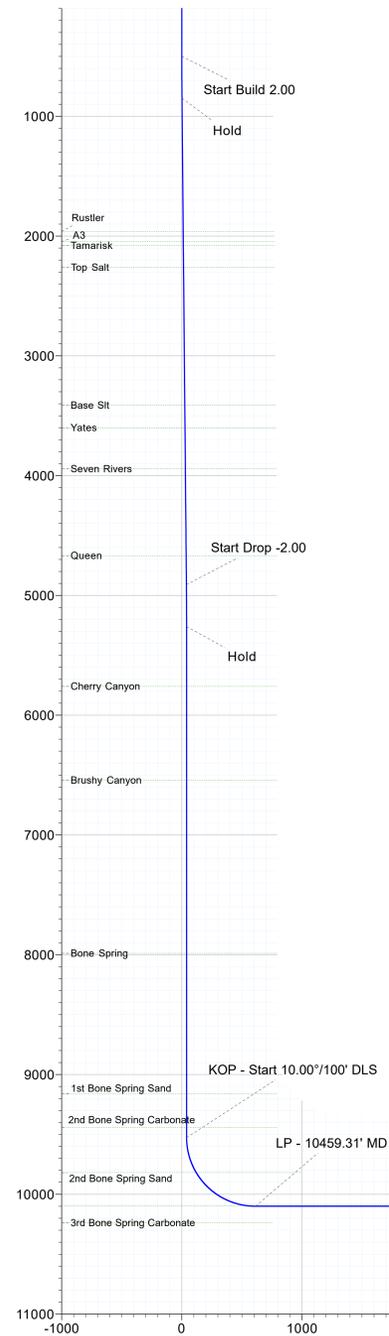
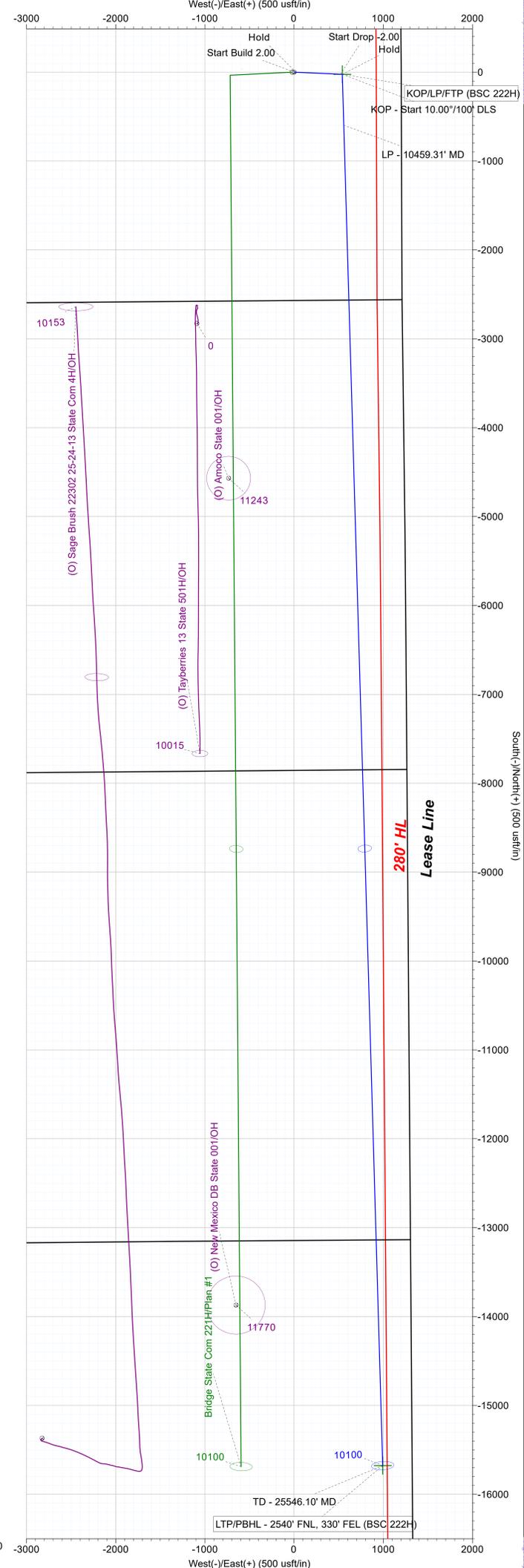
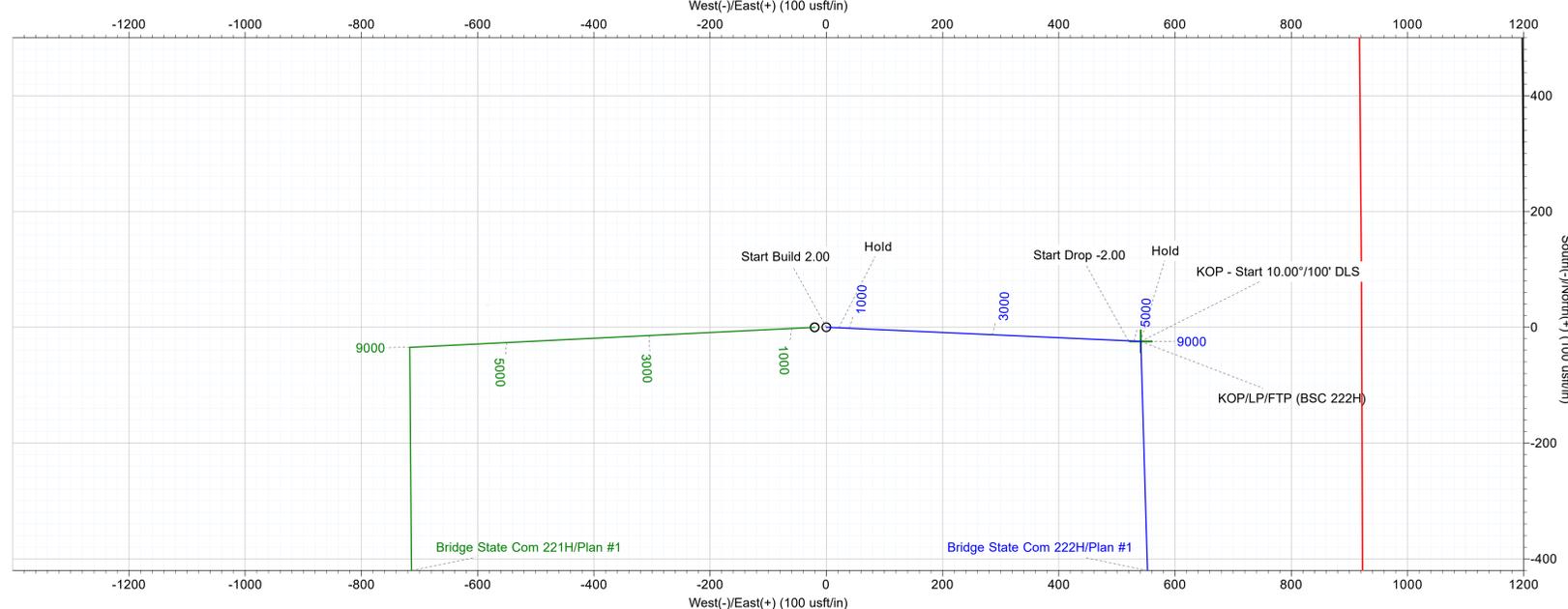
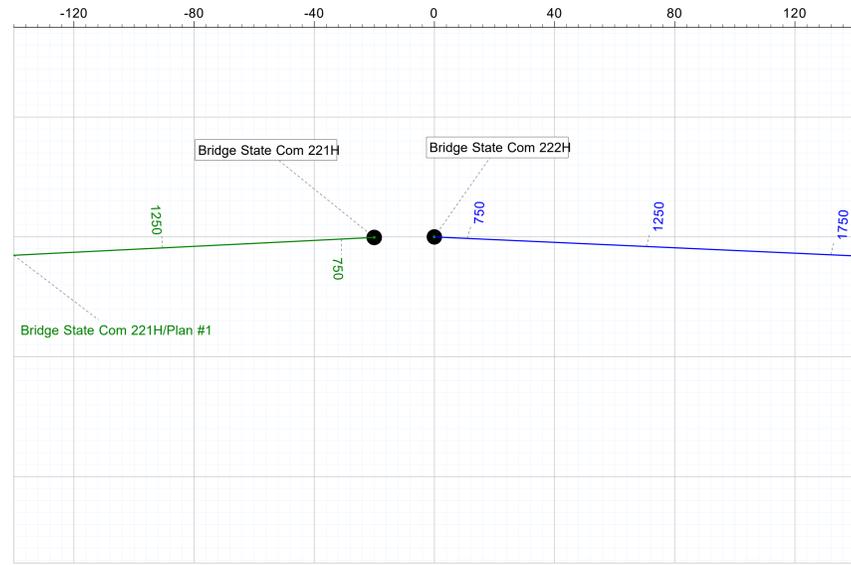
SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	
850.16	7.00	92.58	849.28	-0.96	21.35	2.00	92.58	1.58	
4942.11	7.00	92.58	4910.72	-23.45	519.75	0.00	0.00	38.49	
5292.27	0.00	0.00	5260.00	-24.41	541.10	2.00	180.00	40.07	
9559.31	0.00	0.00	9527.04	-24.41	541.10	0.00	0.00	40.07	
10459.31	90.00	178.34	10100.00	-597.13	557.66	10.00	178.34	613.03	
25546.10	90.00	178.34	10100.00	-15677.62	993.62	0.00	0.00	15699.82	LTP/PBHL - 2540' FNL, 330' FEL (BSC 222H)

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
KOP/LP/FTP (BSC 222H)	9527.04	-24.41	541.10	578702.72	827473.33	32.5874727	-103.4043239
LTP/PBHL - 2540' FNL, 330' FEL (BSC 222H)	10100.00	-15677.62	993.62	563049.51	827925.85	32.5444406	-103.4032989

TVDPATH	FORMATION
1961.90	Rustler
2046.90	A3
2080.90	Tamarisk
2260.90	Top Salt
3413.90	Base Sit
3601.90	Yates
3943.90	Seven Rivers
4668.90	Queen
5759.90	Cherry Canyon
6543.90	Brushy Canyon
7988.90	Bone Spring
9163.90	1st Bone Spring Sand
9443.90	2nd Bone Spring Carbonate
9818.90	2nd Bone Spring Sand
10093.90	Target



Vertical Section at 178.34° (500 usft/in)

TD - 25546.10' MD
 LP - 10459.31' MD
 KOP - Start 10.00°/100' DLS

Coterra Energy

Lea County, NM (NAD 83)

Bridge State Com Pad

Bridge State Com 222H

2569' FSL, 1201' FEL

OH

Plan: Plan #1



Standard Plan Report

05 February, 2026

Total Report Version 1.80

COMPASS 5000.16 Build 97

ATTENTION

All annotation callouts related to distances are uncertified and are approximated footages using available software and measurement tools. They should not be mistaken as an official record, which can only be obtained via a certified land surveyor.

Total Directional Planned Survey Report



Company: Coterra Energy	Local Co-ordinate Reference: Well Bridge State Com 222H
Project: Lea County, NM (NAD 83)	TVD Reference: GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Site: Bridge State Com Pad	MD Reference: GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Well: Bridge State Com 222H	North Reference: Grid
Wellbore: OH	Survey Calculation Method: Minimum Curvature
Design: Plan #1	Database: .Total Directional Production DB

Project Lea County, NM (NAD 83)	System Datum: Mean Sea Level
Map System: US State Plane 1983	
Geo Datum: North American Datum 1983	
Map Zone: New Mexico Eastern Zone	

Site Bridge State Com Pad			
Site Position:	Northing: 578,726.96 usft	Latitude:	32.5875528
From: Map	Easting: 826,912.23 usft	Longitude:	-103.4061447
Position Uncertainty: 0.00 usft	Slot Radius: 13-3/16 "		

Well Bridge State Com 222H			
Well Position	+N/-S 0.00 usft	Northing: 578,727.13 usft	Latitude: 32.5875528
	+E/-W 0.00 usft	Easting: 826,932.23 usft	Longitude: -103.4060798
Position Uncertainty 0.00 usft	Wellhead Elevation:	usft	Ground Level: 3,641.90 usft
Grid Convergence: 0.50 °			

Wellbore OH	
Magnetics	
Model Name	Sample Date
HDGM2026	2/4/2026
Declination (°)	Dip Angle (°)
6.05	60.28
Field Strength (nT)	47,313.50000000

Design Plan #1	
Audit Notes:	
Version:	Tie On Depth: 0.00
	Phase: PLAN
Vertical Section:	
Depth From (TVD) (usft)	+N/-S (usft)
0.00	0.00
+E/-W (usft)	Direction (°)
0.00	178.34

Survey Tool Program		Date 2/5/2026
From (usft)	To (usft)	
0.00	25,546.03	
Survey (Wellbore)	Tool Name	Description
Plan #1 (OH)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction

Plan Summary										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
850.16	7.00	92.58	849.28	-0.96	21.35	2.00	2.00	0.00	92.58	
4,942.11	7.00	92.58	4,910.72	-23.45	519.75	0.00	0.00	0.00	0.00	
5,292.27	0.00	0.00	5,260.00	-24.41	541.10	2.00	-2.00	0.00	180.00	
9,559.31	0.00	0.00	9,527.04	-24.41	541.10	0.00	0.00	0.00	0.00	
10,459.31	90.00	178.34	10,100.00	-597.13	557.66	10.00	10.00	19.82	178.34	
25,546.10	90.00	178.34	10,100.00	-15,677.62	993.62	0.00	0.00	0.00	0.00	LTP/PBHL - 2540' F

Total Directional Planned Survey Report



Company: Coterra Energy	Local Co-ordinate Reference: Well Bridge State Com 222H
Project: Lea County, NM (NAD 83)	TVD Reference: GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Site: Bridge State Com Pad	MD Reference: GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Well: Bridge State Com 222H	North Reference: Grid
Wellbore: OH	Survey Calculation Method: Minimum Curvature
Design: Plan #1	Database: .Total Directional Production DB

Planned Survey													
Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	578,727.13	826,932.23	32.5875528	-103.4060798	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	578,727.13	826,932.23	32.5875528	-103.4060798	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	578,727.13	826,932.23	32.5875528	-103.4060798	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	578,727.13	826,932.23	32.5875528	-103.4060798	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	578,727.13	826,932.23	32.5875528	-103.4060798	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	578,727.13	826,932.23	32.5875528	-103.4060798	0.00	0.00	0.00	0.00
Start Build 2.00													
600.00	2.00	92.58	599.98	-0.08	1.74	578,727.05	826,933.97	32.5875525	-103.4060741	0.13	2.00	2.00	0.00
700.00	4.00	92.58	699.84	-0.31	6.97	578,726.82	826,939.20	32.5875517	-103.4060572	0.52	2.00	2.00	0.00
800.00	6.00	92.58	799.45	-0.71	15.68	578,726.42	826,947.91	32.5875504	-103.4060289	1.16	2.00	2.00	0.00
850.16	7.00	92.58	849.28	-0.96	21.35	578,726.17	826,953.58	32.5875496	-103.4060105	1.58	2.00	2.00	0.00
Hold													
900.00	7.00	92.58	898.76	-1.24	27.42	578,725.89	826,959.65	32.5875487	-103.4059908	2.03	0.00	0.00	0.00
1,000.00	7.00	92.58	998.01	-1.79	39.60	578,725.34	826,971.83	32.5875469	-103.4059513	2.93	0.00	0.00	0.00
1,100.00	7.00	92.58	1,097.26	-2.34	51.78	578,724.79	826,984.01	32.5875451	-103.4059118	3.84	0.00	0.00	0.00
1,200.00	7.00	92.58	1,196.52	-2.89	63.96	578,724.24	826,996.19	32.5875433	-103.4058722	4.74	0.00	0.00	0.00
1,300.00	7.00	92.58	1,295.77	-3.43	76.14	578,723.70	827,008.37	32.5875415	-103.4058327	5.64	0.00	0.00	0.00
1,400.00	7.00	92.58	1,395.03	-3.98	88.32	578,723.15	827,020.55	32.5875397	-103.4057932	6.54	0.00	0.00	0.00
1,500.00	7.00	92.58	1,494.28	-4.53	100.50	578,722.60	827,032.73	32.5875379	-103.4057537	7.44	0.00	0.00	0.00
1,600.00	7.00	92.58	1,593.53	-5.08	112.68	578,722.05	827,044.91	32.5875361	-103.4057141	8.35	0.00	0.00	0.00
1,700.00	7.00	92.58	1,692.79	-5.63	124.86	578,721.50	827,057.09	32.5875343	-103.4056746	9.25	0.00	0.00	0.00
1,800.00	7.00	92.58	1,792.04	-6.18	137.04	578,720.95	827,069.27	32.5875325	-103.4056351	10.15	0.00	0.00	0.00
1,900.00	7.00	92.58	1,891.30	-6.73	149.22	578,720.40	827,081.45	32.5875307	-103.4055956	11.05	0.00	0.00	0.00
1,971.13	7.00	92.58	1,961.90	-7.12	157.89	578,720.01	827,090.12	32.5875294	-103.4055675	11.69	0.00	0.00	0.00
Rustler													
2,000.00	7.00	92.58	1,990.55	-7.28	161.40	578,719.85	827,093.63	32.5875289	-103.4055560	11.95	0.00	0.00	0.00
2,056.77	7.00	92.58	2,046.90	-7.59	168.32	578,719.54	827,100.55	32.5875279	-103.4055336	12.47	0.00	0.00	0.00
A3													
2,091.03	7.00	92.58	2,080.90	-7.78	172.49	578,719.35	827,104.72	32.5875272	-103.4055201	12.77	0.00	0.00	0.00
Tamarisk													
2,100.00	7.00	92.58	2,089.80	-7.83	173.58	578,719.30	827,105.81	32.5875271	-103.4055165	12.86	0.00	0.00	0.00
2,200.00	7.00	92.58	2,189.06	-8.38	185.76	578,718.75	827,117.99	32.5875253	-103.4054770	13.76	0.00	0.00	0.00
2,272.38	7.00	92.58	2,260.90	-8.78	194.58	578,718.35	827,126.81	32.5875240	-103.4054484	14.41	0.00	0.00	0.00
Top Salt													
2,300.00	7.00	92.58	2,288.31	-8.93	197.94	578,718.20	827,130.17	32.5875235	-103.4054375	14.66	0.00	0.00	0.00
2,400.00	7.00	92.58	2,387.57	-9.48	210.12	578,717.65	827,142.35	32.5875217	-103.4053979	15.56	0.00	0.00	0.00
2,500.00	7.00	92.58	2,486.82	-10.03	222.30	578,717.10	827,154.53	32.5875199	-103.4053584	16.46	0.00	0.00	0.00
2,600.00	7.00	92.58	2,586.07	-10.58	234.48	578,716.55	827,166.71	32.5875181	-103.4053189	17.37	0.00	0.00	0.00

Total Directional Planned Survey Report



Company: Coterra Energy	Local Co-ordinate Reference: Well Bridge State Com 222H
Project: Lea County, NM (NAD 83)	TVD Reference: GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Site: Bridge State Com Pad	MD Reference: GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Well: Bridge State Com 222H	North Reference: Grid
Wellbore: OH	Survey Calculation Method: Minimum Curvature
Design: Plan #1	Database: .Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates (usft)		Map Coordinates (usft)		Geo Coordinates (°)		Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
				+N/-S	+E/-W	Northing	Easting	Latitude	Longitude				
2,700.00	7.00	92.58	2,685.33	-11.13	246.66	578,716.00	827,178.89	32.5875163	-103.4052794	18.27	0.00	0.00	0.00
2,800.00	7.00	92.58	2,784.58	-11.68	258.84	578,715.45	827,191.07	32.5875145	-103.4052398	19.17	0.00	0.00	0.00
2,900.00	7.00	92.58	2,883.84	-12.23	271.02	578,714.90	827,203.25	32.5875127	-103.4052003	20.07	0.00	0.00	0.00
3,000.00	7.00	92.58	2,983.09	-12.78	283.20	578,714.35	827,215.43	32.5875109	-103.4051608	20.97	0.00	0.00	0.00
3,100.00	7.00	92.58	3,082.34	-13.33	295.38	578,713.80	827,227.61	32.5875091	-103.4051213	21.88	0.00	0.00	0.00
3,200.00	7.00	92.58	3,181.60	-13.87	307.56	578,713.26	827,239.79	32.5875073	-103.4050817	22.78	0.00	0.00	0.00
3,300.00	7.00	92.58	3,280.85	-14.42	319.74	578,712.71	827,251.97	32.5875055	-103.4050422	23.68	0.00	0.00	0.00
3,400.00	7.00	92.58	3,380.11	-14.97	331.92	578,712.16	827,264.15	32.5875036	-103.4050027	24.58	0.00	0.00	0.00
3,434.05	7.00	92.58	3,413.90	-15.16	336.07	578,711.97	827,268.30	32.5875030	-103.4049892	24.89	0.00	0.00	0.00
Base Sit													
3,500.00	7.00	92.58	3,479.36	-15.52	344.10	578,711.61	827,276.33	32.5875018	-103.4049632	25.48	0.00	0.00	0.00
3,600.00	7.00	92.58	3,578.61	-16.07	356.28	578,711.06	827,288.51	32.5875000	-103.4049236	26.39	0.00	0.00	0.00
3,623.46	7.00	92.58	3,601.90	-16.20	359.14	578,710.93	827,291.37	32.5874996	-103.4049144	26.60	0.00	0.00	0.00
Yates													
3,700.00	7.00	92.58	3,677.87	-16.62	368.46	578,710.51	827,300.69	32.5874982	-103.4048841	27.29	0.00	0.00	0.00
3,800.00	7.00	92.58	3,777.12	-17.17	380.64	578,709.96	827,312.87	32.5874964	-103.4048446	28.19	0.00	0.00	0.00
3,900.00	7.00	92.58	3,876.38	-17.72	392.82	578,709.41	827,325.05	32.5874946	-103.4048051	29.09	0.00	0.00	0.00
3,968.03	7.00	92.58	3,943.90	-18.09	401.11	578,709.04	827,333.34	32.5874934	-103.4047782	29.71	0.00	0.00	0.00
Seven Rivers													
4,000.00	7.00	92.58	3,975.63	-18.27	405.00	578,708.86	827,337.23	32.5874928	-103.4047655	29.99	0.00	0.00	0.00
4,100.00	7.00	92.58	4,074.88	-18.82	417.18	578,708.31	827,349.41	32.5874910	-103.4047260	30.90	0.00	0.00	0.00
4,200.00	7.00	92.58	4,174.14	-19.37	429.36	578,707.76	827,361.59	32.5874892	-103.4046865	31.80	0.00	0.00	0.00
4,300.00	7.00	92.58	4,273.39	-19.92	441.54	578,707.21	827,373.77	32.5874874	-103.4046470	32.70	0.00	0.00	0.00
4,400.00	7.00	92.58	4,372.65	-20.47	453.72	578,706.66	827,385.95	32.5874856	-103.4046074	33.60	0.00	0.00	0.00
4,500.00	7.00	92.58	4,471.90	-21.02	465.90	578,706.11	827,398.13	32.5874838	-103.4045679	34.51	0.00	0.00	0.00
4,600.00	7.00	92.58	4,571.15	-21.57	478.08	578,705.56	827,410.31	32.5874820	-103.4045284	35.41	0.00	0.00	0.00
4,698.48	7.00	92.58	4,668.90	-22.11	490.07	578,705.02	827,422.30	32.5874802	-103.4044895	36.30	0.00	0.00	0.00
Queen													
4,700.00	7.00	92.58	4,670.41	-22.12	490.26	578,705.01	827,422.49	32.5874802	-103.4044889	36.31	0.00	0.00	0.00
4,800.00	7.00	92.58	4,769.66	-22.67	502.44	578,704.46	827,434.67	32.5874784	-103.4044493	37.21	0.00	0.00	0.00
4,900.00	7.00	92.58	4,868.92	-23.22	514.62	578,703.91	827,446.85	32.5874766	-103.4044098	38.11	0.00	0.00	0.00
4,942.11	7.00	92.58	4,910.72	-23.45	519.75	578,703.68	827,451.98	32.5874759	-103.4043932	38.49	0.00	0.00	0.00
Start Drop -2.00													
5,000.00	5.85	92.58	4,968.24	-23.74	526.22	578,703.39	827,458.45	32.5874749	-103.4043722	38.97	2.00	-2.00	0.00
5,100.00	3.85	92.58	5,067.87	-24.12	534.66	578,703.01	827,466.89	32.5874736	-103.4043448	39.60	2.00	-2.00	0.00
5,200.00	1.85	92.58	5,167.75	-24.34	539.62	578,702.79	827,471.85	32.5874729	-103.4043287	39.96	2.00	-2.00	0.00
5,292.27	0.00	0.00	5,260.00	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	2.00	-2.00	0.00
Hold													
5,300.00	0.00	0.00	5,267.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00

Total Directional Planned Survey Report



Company: Coterra Energy	Local Co-ordinate Reference: Well Bridge State Com 222H
Project: Lea County, NM (NAD 83)	TVD Reference: GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Site: Bridge State Com Pad	MD Reference: GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Well: Bridge State Com 222H	North Reference: Grid
Wellbore: OH	Survey Calculation Method: Minimum Curvature
Design: Plan #1	Database: .Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,400.00	0.00	0.00	5,367.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
5,500.00	0.00	0.00	5,467.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
5,600.00	0.00	0.00	5,567.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
5,700.00	0.00	0.00	5,667.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
5,792.17	0.00	0.00	5,759.90	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
Cherry Canyon													
5,800.00	0.00	0.00	5,767.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
5,900.00	0.00	0.00	5,867.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
6,000.00	0.00	0.00	5,967.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
6,100.00	0.00	0.00	6,067.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
6,200.00	0.00	0.00	6,167.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
6,300.00	0.00	0.00	6,267.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
6,400.00	0.00	0.00	6,367.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
6,500.00	0.00	0.00	6,467.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
6,576.17	0.00	0.00	6,543.90	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
Brushy Canyon													
6,600.00	0.00	0.00	6,567.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
6,700.00	0.00	0.00	6,667.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
6,800.00	0.00	0.00	6,767.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
6,900.00	0.00	0.00	6,867.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
7,000.00	0.00	0.00	6,967.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
7,100.00	0.00	0.00	7,067.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
7,200.00	0.00	0.00	7,167.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
7,300.00	0.00	0.00	7,267.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
7,400.00	0.00	0.00	7,367.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
7,500.00	0.00	0.00	7,467.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
7,600.00	0.00	0.00	7,567.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
7,700.00	0.00	0.00	7,667.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
7,800.00	0.00	0.00	7,767.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
7,900.00	0.00	0.00	7,867.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
8,000.00	0.00	0.00	7,967.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
8,021.17	0.00	0.00	7,988.90	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
Bone Spring													
8,100.00	0.00	0.00	8,067.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
8,200.00	0.00	0.00	8,167.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
8,300.00	0.00	0.00	8,267.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
8,400.00	0.00	0.00	8,367.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
8,500.00	0.00	0.00	8,467.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00

Total Directional Planned Survey Report



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Well: Bridge State Com 222H	North Reference: Grid
Wellbore: OH	Survey Calculation Method: Minimum Curvature
Design: Plan #1	Database: .Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,600.00	0.00	0.00	8,567.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
8,700.00	0.00	0.00	8,667.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
8,800.00	0.00	0.00	8,767.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
8,900.00	0.00	0.00	8,867.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
9,000.00	0.00	0.00	8,967.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
9,100.00	0.00	0.00	9,067.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
9,196.17	0.00	0.00	9,163.90	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
1st Bone Spring Sand													
9,200.00	0.00	0.00	9,167.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
9,300.00	0.00	0.00	9,267.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
9,400.00	0.00	0.00	9,367.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
9,476.17	0.00	0.00	9,443.90	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
2nd Bone Spring Carbonate													
9,500.00	0.00	0.00	9,467.73	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
9,559.31	0.00	0.00	9,527.04	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239	40.07	0.00	0.00	0.00
KOP - Start 10.00°/100' DLS - KOP/LP/FTP (BSC 222H)													
9,600.00	4.07	178.34	9,567.70	-25.85	541.14	578,701.28	827,473.37	32.5874687	-103.4043238	41.52	10.00	10.00	0.00
9,650.00	9.07	178.34	9,617.35	-31.57	541.31	578,695.56	827,473.54	32.5874530	-103.4043234	47.24	10.00	10.00	0.00
9,700.00	14.07	178.34	9,666.32	-41.59	541.60	578,685.54	827,473.83	32.5874255	-103.4043228	57.26	10.00	10.00	0.00
9,750.00	19.07	178.34	9,714.23	-55.84	542.01	578,671.29	827,474.24	32.5873863	-103.4043218	71.52	10.00	10.00	0.00
9,800.00	24.07	178.34	9,760.71	-74.20	542.54	578,652.93	827,474.77	32.5873358	-103.4043206	89.89	10.00	10.00	0.00
9,850.00	29.07	178.34	9,805.42	-96.55	543.19	578,630.58	827,475.42	32.5872744	-103.4043192	112.25	10.00	10.00	0.00
9,865.54	30.62	178.34	9,818.90	-104.28	543.41	578,622.85	827,475.64	32.5872531	-103.4043187	119.98	10.00	10.00	0.00
2nd Bone Spring Sand													
9,900.00	34.07	178.34	9,848.01	-122.71	543.94	578,604.42	827,476.17	32.5872025	-103.4043174	138.41	10.00	10.00	0.00
9,950.00	39.07	178.34	9,888.15	-152.48	544.80	578,574.65	827,477.03	32.5871206	-103.4043155	168.19	10.00	10.00	0.00
10,000.00	44.07	178.34	9,925.55	-185.63	545.76	578,541.50	827,477.99	32.5870295	-103.4043133	201.36	10.00	10.00	0.00
10,050.00	49.07	178.34	9,959.91	-221.91	546.81	578,505.22	827,479.04	32.5869297	-103.4043109	237.66	10.00	10.00	0.00
10,100.00	54.07	178.34	9,990.98	-261.05	547.94	578,466.08	827,480.17	32.5868221	-103.4043084	276.81	10.00	10.00	0.00
10,150.00	59.07	178.34	10,018.52	-302.75	549.15	578,424.38	827,481.38	32.5867075	-103.4043057	318.53	10.00	10.00	0.00
10,200.00	64.07	178.34	10,042.31	-346.68	550.42	578,380.45	827,482.65	32.5865867	-103.4043028	362.48	10.00	10.00	0.00
10,250.00	69.07	178.34	10,062.19	-392.53	551.74	578,334.60	827,483.97	32.5864607	-103.4042998	408.35	10.00	10.00	0.00
10,300.00	74.07	178.34	10,077.99	-439.93	553.11	578,287.20	827,485.34	32.5863304	-103.4042967	455.77	10.00	10.00	0.00
10,350.00	79.07	178.34	10,089.60	-488.53	554.52	578,238.60	827,486.75	32.5861968	-103.4042935	504.38	10.00	10.00	0.00
10,375.64	81.63	178.34	10,093.90	-513.79	555.25	578,213.34	827,487.48	32.5861273	-103.4042918	529.66	10.00	10.00	0.00
Target													
10,400.00	84.07	178.34	10,096.93	-537.95	555.95	578,189.18	827,488.18	32.5860609	-103.4042902	553.83	10.00	10.00	0.00
10,450.00	89.07	178.34	10,099.92	-587.82	557.39	578,139.31	827,489.62	32.5859238	-103.4042870	603.72	10.00	10.00	0.00

Total Directional Planned Survey Report



Company:	Coterra Energy	Local Co-ordinate Reference:	Well Bridge State Com 222H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Site:	Bridge State Com Pad	MD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Well:	Bridge State Com 222H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	.Total Directional Production DB

Planned Survey													
Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates (usft)		Map Coordinates (usft)		Geo Coordinates (°)		Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
				+N/-S	+E/-W	Northing	Easting	Latitude	Longitude				
10,459.31	90.00	178.34	10,100.00	-597.13	557.66	578,130.00	827,489.89	32.5858982	-103.4042864	613.03	10.00	10.00	0.00
LP - 10459.31' MD													
10,500.00	90.00	178.34	10,100.00	-637.80	558.83	578,089.33	827,491.06	32.5857864	-103.4042837	653.72	0.00	0.00	0.00
10,600.00	90.00	178.34	10,100.00	-737.76	561.72	577,989.37	827,493.95	32.5855116	-103.4042772	753.72	0.00	0.00	0.00
10,700.00	90.00	178.34	10,100.00	-837.72	564.61	577,889.41	827,496.84	32.5852368	-103.4042706	853.72	0.00	0.00	0.00
10,800.00	90.00	178.34	10,100.00	-937.68	567.50	577,789.45	827,499.73	32.5849621	-103.4042641	953.72	0.00	0.00	0.00
10,900.00	90.00	178.34	10,100.00	-1,037.63	570.39	577,689.50	827,502.62	32.5846873	-103.4042575	1,053.72	0.00	0.00	0.00
11,000.00	90.00	178.34	10,100.00	-1,137.59	573.28	577,589.54	827,505.51	32.5844125	-103.4042510	1,153.72	0.00	0.00	0.00
11,100.00	90.00	178.34	10,100.00	-1,237.55	576.17	577,489.58	827,508.40	32.5841377	-103.4042444	1,253.72	0.00	0.00	0.00
11,200.00	90.00	178.34	10,100.00	-1,337.51	579.06	577,389.62	827,511.29	32.5838629	-103.4042379	1,353.72	0.00	0.00	0.00
11,300.00	90.00	178.34	10,100.00	-1,437.47	581.95	577,289.66	827,514.18	32.5835881	-103.4042313	1,453.72	0.00	0.00	0.00
11,400.00	90.00	178.34	10,100.00	-1,537.43	584.84	577,189.70	827,517.07	32.5833133	-103.4042248	1,553.72	0.00	0.00	0.00
11,500.00	90.00	178.34	10,100.00	-1,637.38	587.73	577,089.75	827,519.96	32.5830385	-103.4042182	1,653.72	0.00	0.00	0.00
11,600.00	90.00	178.34	10,100.00	-1,737.34	590.62	576,989.79	827,522.85	32.5827637	-103.4042117	1,753.72	0.00	0.00	0.00
11,700.00	90.00	178.34	10,100.00	-1,837.30	593.51	576,889.83	827,525.74	32.5824889	-103.4042051	1,853.72	0.00	0.00	0.00
11,800.00	90.00	178.34	10,100.00	-1,937.26	596.40	576,789.87	827,528.63	32.5822141	-103.4041986	1,953.72	0.00	0.00	0.00
11,900.00	90.00	178.34	10,100.00	-2,037.22	599.29	576,689.91	827,531.52	32.5819393	-103.4041921	2,053.72	0.00	0.00	0.00
12,000.00	90.00	178.34	10,100.00	-2,137.17	602.18	576,589.96	827,534.41	32.5816645	-103.4041855	2,153.72	0.00	0.00	0.00
12,100.00	90.00	178.34	10,100.00	-2,237.13	605.07	576,490.00	827,537.30	32.5813897	-103.4041790	2,253.72	0.00	0.00	0.00
12,200.00	90.00	178.34	10,100.00	-2,337.09	607.96	576,390.04	827,540.19	32.5811149	-103.4041724	2,353.72	0.00	0.00	0.00
12,300.00	90.00	178.34	10,100.00	-2,437.05	610.85	576,290.08	827,543.08	32.5808402	-103.4041659	2,453.72	0.00	0.00	0.00
12,400.00	90.00	178.34	10,100.00	-2,537.01	613.74	576,190.12	827,545.97	32.5805654	-103.4041593	2,553.72	0.00	0.00	0.00
12,500.00	90.00	178.34	10,100.00	-2,636.97	616.63	576,090.16	827,548.86	32.5802906	-103.4041528	2,653.72	0.00	0.00	0.00
12,600.00	90.00	178.34	10,100.00	-2,736.92	619.52	575,990.21	827,551.75	32.5800158	-103.4041462	2,753.72	0.00	0.00	0.00
12,700.00	90.00	178.34	10,100.00	-2,836.88	622.41	575,890.25	827,554.64	32.5797410	-103.4041397	2,853.72	0.00	0.00	0.00
12,800.00	90.00	178.34	10,100.00	-2,936.84	625.30	575,790.29	827,557.53	32.5794662	-103.4041331	2,953.72	0.00	0.00	0.00
12,900.00	90.00	178.34	10,100.00	-3,036.80	628.19	575,690.33	827,560.42	32.5791914	-103.4041266	3,053.72	0.00	0.00	0.00
13,000.00	90.00	178.34	10,100.00	-3,136.76	631.08	575,590.37	827,563.31	32.5789166	-103.4041200	3,153.72	0.00	0.00	0.00
13,100.00	90.00	178.34	10,100.00	-3,236.72	633.96	575,490.41	827,566.19	32.5786418	-103.4041135	3,253.72	0.00	0.00	0.00
13,200.00	90.00	178.34	10,100.00	-3,336.67	636.85	575,390.46	827,569.08	32.5783670	-103.4041069	3,353.72	0.00	0.00	0.00
13,300.00	90.00	178.34	10,100.00	-3,436.63	639.74	575,290.50	827,571.97	32.5780922	-103.4041004	3,453.72	0.00	0.00	0.00
13,400.00	90.00	178.34	10,100.00	-3,536.59	642.63	575,190.54	827,574.86	32.5778174	-103.4040939	3,553.72	0.00	0.00	0.00
13,500.00	90.00	178.34	10,100.00	-3,636.55	645.52	575,090.58	827,577.75	32.5775426	-103.4040873	3,653.72	0.00	0.00	0.00
13,600.00	90.00	178.34	10,100.00	-3,736.51	648.41	574,990.62	827,580.64	32.5772678	-103.4040808	3,753.72	0.00	0.00	0.00
13,700.00	90.00	178.34	10,100.00	-3,836.46	651.30	574,890.67	827,583.53	32.5769930	-103.4040742	3,853.72	0.00	0.00	0.00
13,800.00	90.00	178.34	10,100.00	-3,936.42	654.19	574,790.71	827,586.42	32.5767183	-103.4040677	3,953.72	0.00	0.00	0.00
13,900.00	90.00	178.34	10,100.00	-4,036.38	657.08	574,690.75	827,589.31	32.5764435	-103.4040611	4,053.72	0.00	0.00	0.00
14,000.00	90.00	178.34	10,100.00	-4,136.34	659.97	574,590.79	827,592.20	32.5761687	-103.4040546	4,153.72	0.00	0.00	0.00

Total Directional Planned Survey Report



Company: Coterra Energy	Local Co-ordinate Reference: Well Bridge State Com 222H
Project: Lea County, NM (NAD 83)	TVD Reference: GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Site: Bridge State Com Pad	MD Reference: GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Well: Bridge State Com 222H	North Reference: Grid
Wellbore: OH	Survey Calculation Method: Minimum Curvature
Design: Plan #1	Database: .Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,100.00	90.00	178.34	10,100.00	-4,236.30	662.86	574,490.83	827,595.09	32.5758939	-103.4040480	4,253.72	0.00	0.00	0.00
14,200.00	90.00	178.34	10,100.00	-4,336.26	665.75	574,390.87	827,597.98	32.5756191	-103.4040415	4,353.72	0.00	0.00	0.00
14,300.00	90.00	178.34	10,100.00	-4,436.21	668.64	574,290.92	827,600.87	32.5753443	-103.4040349	4,453.72	0.00	0.00	0.00
14,400.00	90.00	178.34	10,100.00	-4,536.17	671.53	574,190.96	827,603.76	32.5750695	-103.4040284	4,553.72	0.00	0.00	0.00
14,500.00	90.00	178.34	10,100.00	-4,636.13	674.42	574,091.00	827,606.65	32.5747947	-103.4040218	4,653.72	0.00	0.00	0.00
14,600.00	90.00	178.34	10,100.00	-4,736.09	677.31	573,991.04	827,609.54	32.5745199	-103.4040153	4,753.72	0.00	0.00	0.00
14,700.00	90.00	178.34	10,100.00	-4,836.05	680.20	573,891.08	827,612.43	32.5742451	-103.4040088	4,853.72	0.00	0.00	0.00
14,800.00	90.00	178.34	10,100.00	-4,936.01	683.09	573,791.12	827,615.32	32.5739703	-103.4040022	4,953.72	0.00	0.00	0.00
14,900.00	90.00	178.34	10,100.00	-5,035.96	685.98	573,691.17	827,618.21	32.5736955	-103.4039957	5,053.72	0.00	0.00	0.00
15,000.00	90.00	178.34	10,100.00	-5,135.92	688.87	573,591.21	827,621.10	32.5734207	-103.4039891	5,153.72	0.00	0.00	0.00
15,100.00	90.00	178.34	10,100.00	-5,235.88	691.76	573,491.25	827,623.99	32.5731459	-103.4039826	5,253.72	0.00	0.00	0.00
15,200.00	90.00	178.34	10,100.00	-5,335.84	694.65	573,391.29	827,626.88	32.5728711	-103.4039760	5,353.72	0.00	0.00	0.00
15,300.00	90.00	178.34	10,100.00	-5,435.80	697.54	573,291.33	827,629.77	32.5725963	-103.4039695	5,453.72	0.00	0.00	0.00
15,400.00	90.00	178.34	10,100.00	-5,535.75	700.43	573,191.38	827,632.66	32.5723216	-103.4039629	5,553.72	0.00	0.00	0.00
15,500.00	90.00	178.34	10,100.00	-5,635.71	703.32	573,091.42	827,635.55	32.5720468	-103.4039564	5,653.72	0.00	0.00	0.00
15,600.00	90.00	178.34	10,100.00	-5,735.67	706.21	572,991.46	827,638.44	32.5717720	-103.4039498	5,753.72	0.00	0.00	0.00
15,700.00	90.00	178.34	10,100.00	-5,835.63	709.10	572,891.50	827,641.33	32.5714972	-103.4039433	5,853.72	0.00	0.00	0.00
15,800.00	90.00	178.34	10,100.00	-5,935.59	711.99	572,791.54	827,644.22	32.5712224	-103.4039367	5,953.72	0.00	0.00	0.00
15,900.00	90.00	178.34	10,100.00	-6,035.55	714.88	572,691.58	827,647.11	32.5709476	-103.4039302	6,053.72	0.00	0.00	0.00
16,000.00	90.00	178.34	10,100.00	-6,135.50	717.77	572,591.63	827,650.00	32.5706728	-103.4039237	6,153.72	0.00	0.00	0.00
16,100.00	90.00	178.34	10,100.00	-6,235.46	720.66	572,491.67	827,652.89	32.5703980	-103.4039171	6,253.72	0.00	0.00	0.00
16,200.00	90.00	178.34	10,100.00	-6,335.42	723.55	572,391.71	827,655.78	32.5701232	-103.4039106	6,353.72	0.00	0.00	0.00
16,300.00	90.00	178.34	10,100.00	-6,435.38	726.44	572,291.75	827,658.67	32.5698484	-103.4039040	6,453.72	0.00	0.00	0.00
16,400.00	90.00	178.34	10,100.00	-6,535.34	729.32	572,191.79	827,661.55	32.5695736	-103.4038975	6,553.72	0.00	0.00	0.00
16,500.00	90.00	178.34	10,100.00	-6,635.30	732.21	572,091.83	827,664.44	32.5692988	-103.4038909	6,653.72	0.00	0.00	0.00
16,600.00	90.00	178.34	10,100.00	-6,735.25	735.10	571,991.88	827,667.33	32.5690240	-103.4038844	6,753.72	0.00	0.00	0.00
16,700.00	90.00	178.34	10,100.00	-6,835.21	737.99	571,891.92	827,670.22	32.5687492	-103.4038778	6,853.72	0.00	0.00	0.00
16,800.00	90.00	178.34	10,100.00	-6,935.17	740.88	571,791.96	827,673.11	32.5684744	-103.4038713	6,953.72	0.00	0.00	0.00
16,900.00	90.00	178.34	10,100.00	-7,035.13	743.77	571,692.00	827,676.00	32.5681996	-103.4038647	7,053.72	0.00	0.00	0.00
17,000.00	90.00	178.34	10,100.00	-7,135.09	746.66	571,592.04	827,678.89	32.5679248	-103.4038582	7,153.72	0.00	0.00	0.00
17,100.00	90.00	178.34	10,100.00	-7,235.05	749.55	571,492.09	827,681.78	32.5676501	-103.4038517	7,253.72	0.00	0.00	0.00
17,200.00	90.00	178.34	10,100.00	-7,335.00	752.44	571,392.13	827,684.67	32.5673753	-103.4038451	7,353.72	0.00	0.00	0.00
17,300.00	90.00	178.34	10,100.00	-7,434.96	755.33	571,292.17	827,687.56	32.5671005	-103.4038386	7,453.72	0.00	0.00	0.00
17,400.00	90.00	178.34	10,100.00	-7,534.92	758.22	571,192.21	827,690.45	32.5668257	-103.4038320	7,553.72	0.00	0.00	0.00
17,500.00	90.00	178.34	10,100.00	-7,634.88	761.11	571,092.25	827,693.34	32.5665509	-103.4038255	7,653.72	0.00	0.00	0.00
17,600.00	90.00	178.34	10,100.00	-7,734.84	764.00	570,992.29	827,696.23	32.5662761	-103.4038189	7,753.72	0.00	0.00	0.00
17,700.00	90.00	178.34	10,100.00	-7,834.79	766.89	570,892.34	827,699.12	32.5660013	-103.4038124	7,853.72	0.00	0.00	0.00

Total Directional Planned Survey Report



Company: Coterra Energy	Local Co-ordinate Reference: Well Bridge State Com 222H
Project: Lea County, NM (NAD 83)	TVD Reference: GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Site: Bridge State Com Pad	MD Reference: GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Well: Bridge State Com 222H	North Reference: Grid
Wellbore: OH	Survey Calculation Method: Minimum Curvature
Design: Plan #1	Database: .Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Geo Coordinates Latitude (°)	Geo Coordinates Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,800.00	90.00	178.34	10,100.00	-7,934.75	769.78	570,792.38	827,702.01	32.5657265	-103.4038058	7,953.72	0.00	0.00	0.00
17,900.00	90.00	178.34	10,100.00	-8,034.71	772.67	570,692.42	827,704.90	32.5654517	-103.4037993	8,053.72	0.00	0.00	0.00
18,000.00	90.00	178.34	10,100.00	-8,134.67	775.56	570,592.46	827,707.79	32.5651769	-103.4037927	8,153.72	0.00	0.00	0.00
18,100.00	90.00	178.34	10,100.00	-8,234.63	778.45	570,492.50	827,710.68	32.5649021	-103.4037862	8,253.72	0.00	0.00	0.00
18,200.00	90.00	178.34	10,100.00	-8,334.59	781.34	570,392.54	827,713.57	32.5646273	-103.4037797	8,353.72	0.00	0.00	0.00
18,300.00	90.00	178.34	10,100.00	-8,434.54	784.23	570,292.59	827,716.46	32.5643525	-103.4037731	8,453.72	0.00	0.00	0.00
18,400.00	90.00	178.34	10,100.00	-8,534.50	787.12	570,192.63	827,719.35	32.5640777	-103.4037666	8,553.72	0.00	0.00	0.00
18,500.00	90.00	178.34	10,100.00	-8,634.46	790.01	570,092.67	827,722.24	32.5638029	-103.4037600	8,653.72	0.00	0.00	0.00
18,600.00	90.00	178.34	10,100.00	-8,734.42	792.90	569,992.71	827,725.13	32.5635281	-103.4037535	8,753.72	0.00	0.00	0.00
18,700.00	90.00	178.34	10,100.00	-8,834.38	795.79	569,892.75	827,728.02	32.5632533	-103.4037469	8,853.72	0.00	0.00	0.00
18,800.00	90.00	178.34	10,100.00	-8,934.34	798.68	569,792.80	827,730.91	32.5629786	-103.4037404	8,953.72	0.00	0.00	0.00
18,900.00	90.00	178.34	10,100.00	-9,034.29	801.57	569,692.84	827,733.80	32.5627038	-103.4037338	9,053.72	0.00	0.00	0.00
19,000.00	90.00	178.34	10,100.00	-9,134.25	804.46	569,592.88	827,736.69	32.5624290	-103.4037273	9,153.72	0.00	0.00	0.00
19,100.00	90.00	178.34	10,100.00	-9,234.21	807.35	569,492.92	827,739.58	32.5621542	-103.4037207	9,253.72	0.00	0.00	0.00
19,200.00	90.00	178.34	10,100.00	-9,334.17	810.24	569,392.96	827,742.47	32.5618794	-103.4037142	9,353.72	0.00	0.00	0.00
19,300.00	90.00	178.34	10,100.00	-9,434.13	813.13	569,293.00	827,745.36	32.5616046	-103.4037077	9,453.72	0.00	0.00	0.00
19,400.00	90.00	178.34	10,100.00	-9,534.08	816.02	569,193.05	827,748.25	32.5613298	-103.4037011	9,553.72	0.00	0.00	0.00
19,500.00	90.00	178.34	10,100.00	-9,634.04	818.91	569,093.09	827,751.14	32.5610550	-103.4036946	9,653.72	0.00	0.00	0.00
19,600.00	90.00	178.34	10,100.00	-9,734.00	821.80	568,993.13	827,754.03	32.5607802	-103.4036880	9,753.72	0.00	0.00	0.00
19,700.00	90.00	178.34	10,100.00	-9,833.96	824.69	568,893.17	827,756.92	32.5605054	-103.4036815	9,853.72	0.00	0.00	0.00
19,800.00	90.00	178.34	10,100.00	-9,933.92	827.57	568,793.21	827,759.80	32.5602306	-103.4036749	9,953.72	0.00	0.00	0.00
19,900.00	90.00	178.34	10,100.00	-10,033.88	830.46	568,693.25	827,762.69	32.5599558	-103.4036684	10,053.72	0.00	0.00	0.00
20,000.00	90.00	178.34	10,100.00	-10,133.83	833.35	568,593.30	827,765.58	32.5596810	-103.4036618	10,153.72	0.00	0.00	0.00
20,100.00	90.00	178.34	10,100.00	-10,233.79	836.24	568,493.34	827,768.47	32.5594062	-103.4036553	10,253.72	0.00	0.00	0.00
20,200.00	90.00	178.34	10,100.00	-10,333.75	839.13	568,393.38	827,771.36	32.5591314	-103.4036487	10,353.72	0.00	0.00	0.00
20,300.00	90.00	178.34	10,100.00	-10,433.71	842.02	568,293.42	827,774.25	32.5588566	-103.4036422	10,453.72	0.00	0.00	0.00
20,400.00	90.00	178.34	10,100.00	-10,533.67	844.91	568,193.46	827,777.14	32.5585818	-103.4036357	10,553.72	0.00	0.00	0.00
20,500.00	90.00	178.34	10,100.00	-10,633.63	847.80	568,093.50	827,780.03	32.5583071	-103.4036291	10,653.72	0.00	0.00	0.00
20,600.00	90.00	178.34	10,100.00	-10,733.58	850.69	567,993.55	827,782.92	32.5580323	-103.4036226	10,753.72	0.00	0.00	0.00
20,700.00	90.00	178.34	10,100.00	-10,833.54	853.58	567,893.59	827,785.81	32.5577575	-103.4036160	10,853.72	0.00	0.00	0.00
20,800.00	90.00	178.34	10,100.00	-10,933.50	856.47	567,793.63	827,788.70	32.5574827	-103.4036095	10,953.72	0.00	0.00	0.00
20,900.00	90.00	178.34	10,100.00	-11,033.46	859.36	567,693.67	827,791.59	32.5572079	-103.4036029	11,053.72	0.00	0.00	0.00
21,000.00	90.00	178.34	10,100.00	-11,133.42	862.25	567,593.71	827,794.48	32.5569331	-103.4035964	11,153.72	0.00	0.00	0.00
21,100.00	90.00	178.34	10,100.00	-11,233.37	865.14	567,493.76	827,797.37	32.5566583	-103.4035898	11,253.72	0.00	0.00	0.00
21,200.00	90.00	178.34	10,100.00	-11,333.33	868.03	567,393.80	827,800.26	32.5563835	-103.4035833	11,353.72	0.00	0.00	0.00
21,300.00	90.00	178.34	10,100.00	-11,433.29	870.92	567,293.84	827,803.15	32.5561087	-103.4035768	11,453.72	0.00	0.00	0.00
21,400.00	90.00	178.34	10,100.00	-11,533.25	873.81	567,193.88	827,806.04	32.5558339	-103.4035702	11,553.72	0.00	0.00	0.00
21,500.00	90.00	178.34	10,100.00	-11,633.21	876.70	567,093.92	827,808.93	32.5555591	-103.4035637	11,653.72	0.00	0.00	0.00

Total Directional Planned Survey Report



Company: Coterra Energy	Local Co-ordinate Reference: Well Bridge State Com 222H
Project: Lea County, NM (NAD 83)	TVD Reference: GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Site: Bridge State Com Pad	MD Reference: GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Well: Bridge State Com 222H	North Reference: Grid
Wellbore: OH	Survey Calculation Method: Minimum Curvature
Design: Plan #1	Database: .Total Directional Production DB

Planned Survey													
Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Geo Coordinates		Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
				+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude (°)	Longitude (°)				
21,600.00	90.00	178.34	10,100.00-11,733.17	879.59	566,993.96	827,811.82	32.5552843	-103.4035571	11,753.72	0.00	0.00	0.00	
21,700.00	90.00	178.34	10,100.00-11,833.12	882.48	566,894.01	827,814.71	32.5550095	-103.4035506	11,853.72	0.00	0.00	0.00	
21,800.00	90.00	178.34	10,100.00-11,933.08	885.37	566,794.05	827,817.60	32.5547347	-103.4035440	11,953.72	0.00	0.00	0.00	
21,900.00	90.00	178.34	10,100.00-12,033.04	888.26	566,694.09	827,820.49	32.5544599	-103.4035375	12,053.72	0.00	0.00	0.00	
22,000.00	90.00	178.34	10,100.00-12,133.00	891.15	566,594.13	827,823.38	32.5541851	-103.4035309	12,153.72	0.00	0.00	0.00	
22,100.00	90.00	178.34	10,100.00-12,232.96	894.04	566,494.17	827,826.27	32.5539103	-103.4035244	12,253.72	0.00	0.00	0.00	
22,200.00	90.00	178.34	10,100.00-12,332.92	896.93	566,394.21	827,829.16	32.5536355	-103.4035179	12,353.72	0.00	0.00	0.00	
22,300.00	90.00	178.34	10,100.00-12,432.87	899.82	566,294.26	827,832.05	32.5533608	-103.4035113	12,453.72	0.00	0.00	0.00	
22,400.00	90.00	178.34	10,100.00-12,532.83	902.71	566,194.30	827,834.94	32.5530860	-103.4035048	12,553.72	0.00	0.00	0.00	
22,500.00	90.00	178.34	10,100.00-12,632.79	905.60	566,094.34	827,837.83	32.5528112	-103.4034982	12,653.72	0.00	0.00	0.00	
22,600.00	90.00	178.34	10,100.00-12,732.75	908.49	565,994.38	827,840.72	32.5525364	-103.4034917	12,753.72	0.00	0.00	0.00	
22,700.00	90.00	178.34	10,100.00-12,832.71	911.38	565,894.42	827,843.61	32.5522616	-103.4034851	12,853.72	0.00	0.00	0.00	
22,800.00	90.00	178.34	10,100.00-12,932.66	914.27	565,794.47	827,846.50	32.5519868	-103.4034786	12,953.72	0.00	0.00	0.00	
22,900.00	90.00	178.34	10,100.00-13,032.62	917.16	565,694.51	827,849.39	32.5517120	-103.4034720	13,053.72	0.00	0.00	0.00	
23,000.00	90.00	178.34	10,100.00-13,132.58	920.05	565,594.55	827,852.28	32.5514372	-103.4034655	13,153.72	0.00	0.00	0.00	
23,100.00	90.00	178.34	10,100.00-13,232.54	922.93	565,494.59	827,855.16	32.5511624	-103.4034589	13,253.72	0.00	0.00	0.00	
23,200.00	90.00	178.34	10,100.00-13,332.50	925.82	565,394.63	827,858.05	32.5508876	-103.4034524	13,353.72	0.00	0.00	0.00	
23,300.00	90.00	178.34	10,100.00-13,432.46	928.71	565,294.67	827,860.94	32.5506128	-103.4034459	13,453.72	0.00	0.00	0.00	
23,400.00	90.00	178.34	10,100.00-13,532.41	931.60	565,194.72	827,863.83	32.5503380	-103.4034393	13,553.72	0.00	0.00	0.00	
23,500.00	90.00	178.34	10,100.00-13,632.37	934.49	565,094.76	827,866.72	32.5500632	-103.4034328	13,653.72	0.00	0.00	0.00	
23,600.00	90.00	178.34	10,100.00-13,732.33	937.38	564,994.80	827,869.61	32.5497884	-103.4034262	13,753.72	0.00	0.00	0.00	
23,700.00	90.00	178.34	10,100.00-13,832.29	940.27	564,894.84	827,872.50	32.5495136	-103.4034197	13,853.72	0.00	0.00	0.00	
23,800.00	90.00	178.34	10,100.00-13,932.25	943.16	564,794.88	827,875.39	32.5492388	-103.4034131	13,953.72	0.00	0.00	0.00	
23,900.00	90.00	178.34	10,100.00-14,032.21	946.05	564,694.92	827,878.28	32.5489640	-103.4034066	14,053.72	0.00	0.00	0.00	
24,000.00	90.00	178.34	10,100.00-14,132.16	948.94	564,594.97	827,881.17	32.5486892	-103.4034000	14,153.72	0.00	0.00	0.00	
24,100.00	90.00	178.34	10,100.00-14,232.12	951.83	564,495.01	827,884.06	32.5484144	-103.4033935	14,253.72	0.00	0.00	0.00	
24,200.00	90.00	178.34	10,100.00-14,332.08	954.72	564,395.05	827,886.95	32.5481397	-103.4033870	14,353.72	0.00	0.00	0.00	
24,300.00	90.00	178.34	10,100.00-14,432.04	957.61	564,295.09	827,889.84	32.5478649	-103.4033804	14,453.72	0.00	0.00	0.00	
24,400.00	90.00	178.34	10,100.00-14,532.00	960.50	564,195.13	827,892.73	32.5475901	-103.4033739	14,553.72	0.00	0.00	0.00	
24,500.00	90.00	178.34	10,100.00-14,631.95	963.39	564,095.18	827,895.62	32.5473153	-103.4033673	14,653.72	0.00	0.00	0.00	
24,600.00	90.00	178.34	10,100.00-14,731.91	966.28	563,995.22	827,898.51	32.5470405	-103.4033608	14,753.72	0.00	0.00	0.00	
24,700.00	90.00	178.34	10,100.00-14,831.87	969.17	563,895.26	827,901.40	32.5467657	-103.4033542	14,853.72	0.00	0.00	0.00	
24,800.00	90.00	178.34	10,100.00-14,931.83	972.06	563,795.30	827,904.29	32.5464909	-103.4033477	14,953.72	0.00	0.00	0.00	
24,900.00	90.00	178.34	10,100.00-15,031.79	974.95	563,695.34	827,907.18	32.5462161	-103.4033412	15,053.72	0.00	0.00	0.00	
25,000.00	90.00	178.34	10,100.00-15,131.75	977.84	563,595.38	827,910.07	32.5459413	-103.4033346	15,153.72	0.00	0.00	0.00	
25,100.00	90.00	178.34	10,100.00-15,231.70	980.73	563,495.43	827,912.96	32.5456665	-103.4033281	15,253.72	0.00	0.00	0.00	
25,200.00	90.00	178.34	10,100.00-15,331.66	983.62	563,395.47	827,915.85	32.5453917	-103.4033215	15,353.72	0.00	0.00	0.00	

Total Directional Planned Survey Report



Company: Coterra Energy	Local Co-ordinate Reference: Well Bridge State Com 222H
Project: Lea County, NM (NAD 83)	TVD Reference: GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Site: Bridge State Com Pad	MD Reference: GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Well: Bridge State Com 222H	North Reference: Grid
Wellbore: OH	Survey Calculation Method: Minimum Curvature
Design: Plan #1	Database: .Total Directional Production DB

Planned Survey													
Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
25,300.00	90.00	178.34	10,100.00	-15,431.62	986.51	563,295.51	827,918.74	32.5451169	-103.4033150	15,453.72	0.00	0.00	0.00
25,400.00	90.00	178.34	10,100.00	-15,531.58	989.40	563,195.55	827,921.63	32.5448421	-103.4033084	15,553.72	0.00	0.00	0.00
25,500.00	90.00	178.34	10,100.00	-15,631.54	992.29	563,095.59	827,924.52	32.5445673	-103.4033019	15,653.72	0.00	0.00	0.00
25,546.10	90.00	178.34	10,100.00	-15,677.62	993.62	563,049.51	827,925.85	32.5444406	-103.4032989	15,699.82	0.00	0.00	0.00
TD - 25546.10' MD - LTP/PBHL - 2540' FNL, 330' FEL (BSC 222H)													

Design Targets											
Target Name	- hit/miss target	- Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP/LP/FTP (BSC 22)			0.00	0.00	9,527.04	-24.41	541.10	578,702.72	827,473.33	32.5874727	-103.4043239
- plan hits target center											
- Point											
LTP/PBHL - 2540' FNI			0.00	0.00	10,100.00	-15,677.62	993.62	563,049.51	827,925.85	32.5444406	-103.4032989
- plan hits target center											
- Point											

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,971.13	1,961.90	Rustler				
2,056.77	2,046.90	A3				
2,091.03	2,080.90	Tamarisk				
2,272.38	2,260.90	Top Salt				
3,434.05	3,413.90	Base Slt				
3,623.46	3,601.90	Yates				
3,968.03	3,943.90	Seven Rivers				
4,698.48	4,668.90	Queen				
5,792.17	5,759.90	Cherry Canyon				
6,576.17	6,543.90	Brushy Canyon				
8,021.17	7,988.90	Bone Spring				
9,196.17	9,163.90	1st Bone Spring Sand				
9,476.17	9,443.90	2nd Bone Spring Carbonate				
9,865.54	9,818.90	2nd Bone Spring Sand				
10,375.64	10,093.90	Target				

Total Directional Planned Survey Report



Company: Coterra Energy	Local Co-ordinate Reference: Well Bridge State Com 222H
Project: Lea County, NM (NAD 83)	TVD Reference: GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Site: Bridge State Com Pad	MD Reference: GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Well: Bridge State Com 222H	North Reference: Grid
Wellbore: OH	Survey Calculation Method: Minimum Curvature
Design: Plan #1	Database: .Total Directional Production DB

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
500	500	0	0	Start Build 2.00
850	849	-1	21	Hold
4942	4911	-23	520	Start Drop -2.00
5292	5260	-24	541	Hold
9559	9527	-24	541	KOP - Start 10.00°/100' DLS
10,459	10,100	-597	558	LP - 10459.31' MD
25,546	10,100	-15,678	994	TD - 25546.10' MD

Checked By: _____	Approved By: _____	Date: _____
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COMPANY Coterra Energy
 FIELD Lea County, NM (NAD 83)
 SITE Bridge State Com Pad
 WELL Bridge State Com 222H
 WELLPATH OH
 DESIGN Plan #1
 DEPTHUNT (usft)

WELL INFO

MAP DATUM North American Datum 1983
 MAP SYSTEM US State Plane 1983
 MAP ZONE New Mexico Eastern Zone
 WELL LAT 32.587553
 WELL LON -103.40608
 WELL EW MAI 826932.23
 WELL NS MAP 578727.13
 CONVERGENC 0.5
 MAGMODEL HDGM2026
 DECLINATION 6.05
 NORTH REF Grid
 GROUND ELE\ 3641.9
 KB ELEVN 3671.9
 VS AZI 178.34

SURVEY PROGRAM

1 0.00 - 25546.03 PLAN #1 : MWD+IFR1+MS

SURVEY LIST

Measured Depth	Inclination	Azimuth	Course Length	True Vertical	SubSea TVD	Local N/-S
MD	INC	AZI	CL	TVD	SSTVD	NS
0.00	0.00	0.00	0.00	0.00	3671.90	0.00
100.00	0.00	0.00	100.00	100.00	3571.90	0.00
200.00	0.00	0.00	100.00	200.00	3471.90	0.00
300.00	0.00	0.00	100.00	300.00	3371.90	0.00
400.00	0.00	0.00	100.00	400.00	3271.90	0.00
500.00	0.00	0.00	100.00	500.00	3171.90	0.00
600.00	2.00	92.58	100.00	599.98	3071.92	-0.08
700.00	4.00	92.58	100.00	699.84	2972.06	-0.31
800.00	6.00	92.58	100.00	799.45	2872.45	-0.71
850.16	7.00	92.58	50.16	849.28	2822.62	-0.96
900.00	7.00	92.58	49.84	898.76	2773.14	-1.24
1000.00	7.00	92.58	100.00	998.01	2673.89	-1.79
1100.00	7.00	92.58	100.00	1097.27	2574.64	-2.34
1200.00	7.00	92.58	100.00	1196.52	2475.38	-2.89

1300.00	7.00	92.58	100.00	1295.77	2376.13	-3.44
1400.00	7.00	92.58	100.00	1395.03	2276.87	-3.98
1500.00	7.00	92.58	100.00	1494.28	2177.62	-4.53
1600.00	7.00	92.58	100.00	1593.54	2078.37	-5.08
1700.00	7.00	92.58	100.00	1692.79	1979.11	-5.63
1800.00	7.00	92.58	100.00	1792.04	1879.86	-6.18
1900.00	7.00	92.58	100.00	1891.30	1780.60	-6.73
2000.00	7.00	92.58	100.00	1990.55	1681.35	-7.28
2100.00	7.00	92.58	100.00	2089.80	1582.10	-7.83
2200.00	7.00	92.58	100.00	2189.06	1482.84	-8.38
2300.00	7.00	92.58	100.00	2288.31	1383.59	-8.93
2400.00	7.00	92.58	100.00	2387.57	1284.33	-9.48
2500.00	7.00	92.58	100.00	2486.82	1185.08	-10.03
2600.00	7.00	92.58	100.00	2586.07	1085.83	-10.58
2700.00	7.00	92.58	100.00	2685.33	986.57	-11.13
2800.00	7.00	92.58	100.00	2784.58	887.32	-11.68
2900.00	7.00	92.58	100.00	2883.84	788.06	-12.23
3000.00	7.00	92.58	100.00	2983.09	688.81	-12.78
3100.00	7.00	92.58	100.00	3082.34	589.56	-13.33
3200.00	7.00	92.58	100.00	3181.60	490.30	-13.88
3300.00	7.00	92.58	100.00	3280.85	391.05	-14.42
3400.00	7.00	92.58	100.00	3380.11	291.79	-14.97
3500.00	7.00	92.58	100.00	3479.36	192.54	-15.52
3600.00	7.00	92.58	100.00	3578.61	93.29	-16.07
3700.00	7.00	92.58	100.00	3677.87	-5.97	-16.62
3800.00	7.00	92.58	100.00	3777.12	-105.22	-17.17
3900.00	7.00	92.58	100.00	3876.38	-204.48	-17.72
4000.00	7.00	92.58	100.00	3975.63	-303.73	-18.27
4100.00	7.00	92.58	100.00	4074.88	-402.98	-18.82
4200.00	7.00	92.58	100.00	4174.14	-502.24	-19.37
4300.00	7.00	92.58	100.00	4273.39	-601.49	-19.92
4400.00	7.00	92.58	100.00	4372.65	-700.75	-20.47
4500.00	7.00	92.58	100.00	4471.90	-800.00	-21.02
4600.00	7.00	92.58	100.00	4571.15	-899.25	-21.57
4700.00	7.00	92.58	100.00	4670.41	-998.51	-22.12
4800.00	7.00	92.58	100.00	4769.66	-1097.76	-22.67
4900.00	7.00	92.58	100.00	4868.92	-1197.02	-23.22
4942.12	7.00	92.58	42.12	4910.72	-1238.82	-23.45
5000.00	5.85	92.58	57.89	4968.24	-1296.34	-23.74
5100.00	3.85	92.58	100.00	5067.87	-1395.97	-24.12
5200.00	1.85	92.58	100.00	5167.75	-1495.85	-24.34
5292.27	0.00	0.00	92.27	5260.00	-1588.10	-24.41
5300.00	0.00	0.00	7.73	5267.73	-1595.83	-24.41
5400.00	0.00	0.00	100.00	5367.73	-1695.83	-24.41

5500.00	0.00	0.00	100.00	5467.73	-1795.83	-24.41
5600.00	0.00	0.00	100.00	5567.73	-1895.83	-24.41
5700.00	0.00	0.00	100.00	5667.73	-1995.83	-24.41
5800.00	0.00	0.00	100.00	5767.73	-2095.83	-24.41
5900.00	0.00	0.00	100.00	5867.73	-2195.83	-24.41
6000.00	0.00	0.00	100.00	5967.73	-2295.83	-24.41
6100.00	0.00	0.00	100.00	6067.73	-2395.83	-24.41
6200.00	0.00	0.00	100.00	6167.73	-2495.83	-24.41
6300.00	0.00	0.00	100.00	6267.73	-2595.83	-24.41
6400.00	0.00	0.00	100.00	6367.73	-2695.83	-24.41
6500.00	0.00	0.00	100.00	6467.73	-2795.83	-24.41
6600.00	0.00	0.00	100.00	6567.73	-2895.83	-24.41
6700.00	0.00	0.00	100.00	6667.73	-2995.83	-24.41
6800.00	0.00	0.00	100.00	6767.73	-3095.83	-24.41
6900.00	0.00	0.00	100.00	6867.73	-3195.83	-24.41
7000.00	0.00	0.00	100.00	6967.73	-3295.83	-24.41
7100.00	0.00	0.00	100.00	7067.73	-3395.83	-24.41
7200.00	0.00	0.00	100.00	7167.73	-3495.83	-24.41
7300.00	0.00	0.00	100.00	7267.73	-3595.83	-24.41
7400.00	0.00	0.00	100.00	7367.73	-3695.83	-24.41
7500.00	0.00	0.00	100.00	7467.73	-3795.83	-24.41
7600.00	0.00	0.00	100.00	7567.73	-3895.83	-24.41
7700.00	0.00	0.00	100.00	7667.73	-3995.83	-24.41
7800.00	0.00	0.00	100.00	7767.73	-4095.83	-24.41
7900.00	0.00	0.00	100.00	7867.73	-4195.83	-24.41
8000.00	0.00	0.00	100.00	7967.73	-4295.83	-24.41
8100.00	0.00	0.00	100.00	8067.73	-4395.83	-24.41
8200.00	0.00	0.00	100.00	8167.73	-4495.83	-24.41
8300.00	0.00	0.00	100.00	8267.73	-4595.83	-24.41
8400.00	0.00	0.00	100.00	8367.73	-4695.83	-24.41
8500.00	0.00	0.00	100.00	8467.73	-4795.83	-24.41
8600.00	0.00	0.00	100.00	8567.73	-4895.83	-24.41
8700.00	0.00	0.00	100.00	8667.73	-4995.83	-24.41
8800.00	0.00	0.00	100.00	8767.73	-5095.83	-24.41
8900.00	0.00	0.00	100.00	8867.73	-5195.83	-24.41
9000.00	0.00	0.00	100.00	8967.73	-5295.83	-24.41
9100.00	0.00	0.00	100.00	9067.73	-5395.83	-24.41
9200.00	0.00	0.00	100.00	9167.73	-5495.83	-24.41
9300.00	0.00	0.00	100.00	9267.73	-5595.83	-24.41
9400.00	0.00	0.00	100.00	9367.73	-5695.83	-24.41
9500.00	0.00	0.00	100.00	9467.73	-5795.83	-24.41
9559.31	0.00	0.00	59.31	9527.04	-5855.14	-24.41
9600.00	4.07	178.34	40.69	9567.70	-5895.80	-25.85
9650.00	9.07	178.34	50.00	9617.35	-5945.45	-31.57

9700.00	14.07	178.34	50.00	9666.32	-5994.42	-41.59
9750.00	19.07	178.34	50.00	9714.23	-6042.33	-55.84
9800.00	24.07	178.34	50.00	9760.71	-6088.81	-74.21
9850.00	29.07	178.34	50.00	9805.42	-6133.52	-96.55
9900.00	34.07	178.34	50.00	9848.01	-6176.11	-122.71
9950.00	39.07	178.34	50.00	9888.15	-6216.25	-152.48
10000.00	44.07	178.34	50.00	9925.55	-6253.65	-185.63
10050.00	49.07	178.34	50.00	9959.91	-6288.01	-221.91
10100.00	54.07	178.34	50.00	9990.98	-6319.08	-261.05
10150.00	59.07	178.34	50.00	10018.52	-6346.62	-302.75
10200.00	64.07	178.34	50.00	10042.31	-6370.41	-346.69
10250.00	69.07	178.34	50.00	10062.19	-6390.29	-392.53
10300.00	74.07	178.34	50.00	10077.99	-6406.09	-439.93
10350.00	79.07	178.34	50.00	10089.60	-6417.70	-488.53
10400.00	84.07	178.34	50.00	10096.93	-6425.03	-537.95
10450.00	89.07	178.34	50.00	10099.92	-6428.02	-587.82
10459.31	90.00	178.34	9.31	10100.00	-6428.10	-597.13
10500.00	90.00	178.34	40.69	10100.00	-6428.10	-637.80
10600.00	90.00	178.34	100.00	10100.00	-6428.10	-737.76
10700.00	90.00	178.34	100.00	10100.00	-6428.10	-837.72
10800.00	90.00	178.34	100.00	10100.00	-6428.10	-937.68
10900.00	90.00	178.34	100.00	10100.00	-6428.10	-1037.63
11000.00	90.00	178.34	100.00	10100.00	-6428.10	-1137.59
11100.00	90.00	178.34	100.00	10100.00	-6428.10	-1237.55
11200.00	90.00	178.34	100.00	10100.00	-6428.10	-1337.51
11300.00	90.00	178.34	100.00	10100.00	-6428.10	-1437.47
11400.00	90.00	178.34	100.00	10100.00	-6428.10	-1537.43
11500.00	90.00	178.34	100.00	10100.00	-6428.10	-1637.38
11600.00	90.00	178.34	100.00	10100.00	-6428.10	-1737.34
11700.00	90.00	178.34	100.00	10100.00	-6428.10	-1837.30
11800.00	90.00	178.34	100.00	10100.00	-6428.10	-1937.26
11900.00	90.00	178.34	100.00	10100.00	-6428.10	-2037.22
12000.00	90.00	178.34	100.00	10100.00	-6428.10	-2137.18
12100.00	90.00	178.34	100.00	10100.00	-6428.10	-2237.13
12200.00	90.00	178.34	100.00	10100.00	-6428.10	-2337.09
12300.00	90.00	178.34	100.00	10100.00	-6428.10	-2437.05
12400.00	90.00	178.34	100.00	10100.00	-6428.10	-2537.01
12500.00	90.00	178.34	100.00	10100.00	-6428.10	-2636.97
12600.00	90.00	178.34	100.00	10100.00	-6428.10	-2736.92
12700.00	90.00	178.34	100.00	10100.00	-6428.10	-2836.88
12800.00	90.00	178.34	100.00	10100.00	-6428.10	-2936.84
12900.00	90.00	178.34	100.00	10100.00	-6428.10	-3036.80
13000.00	90.00	178.34	100.00	10100.00	-6428.10	-3136.76
13100.00	90.00	178.34	100.00	10100.00	-6428.10	-3236.72

13200.00	90.00	178.34	100.00	10100.00	-6428.10	-3336.67
13300.00	90.00	178.34	100.00	10100.00	-6428.10	-3436.63
13400.00	90.00	178.34	100.00	10100.00	-6428.10	-3536.59
13500.00	90.00	178.34	100.00	10100.00	-6428.10	-3636.55
13600.00	90.00	178.34	100.00	10100.00	-6428.10	-3736.51
13700.00	90.00	178.34	100.00	10100.00	-6428.10	-3836.47
13800.00	90.00	178.34	100.00	10100.00	-6428.10	-3936.42
13900.00	90.00	178.34	100.00	10100.00	-6428.10	-4036.38
14000.00	90.00	178.34	100.00	10100.00	-6428.10	-4136.34
14100.00	90.00	178.34	100.00	10100.00	-6428.10	-4236.30
14200.00	90.00	178.34	100.00	10100.00	-6428.10	-4336.26
14300.00	90.00	178.34	100.00	10100.00	-6428.10	-4436.21
14400.00	90.00	178.34	100.00	10100.00	-6428.10	-4536.17
14500.00	90.00	178.34	100.00	10100.00	-6428.10	-4636.13
14600.00	90.00	178.34	100.00	10100.00	-6428.10	-4736.09
14700.00	90.00	178.34	100.00	10100.00	-6428.10	-4836.05
14800.00	90.00	178.34	100.00	10100.00	-6428.10	-4936.01
14900.00	90.00	178.34	100.00	10100.00	-6428.10	-5035.96
15000.00	90.00	178.34	100.00	10100.00	-6428.10	-5135.92
15100.00	90.00	178.34	100.00	10100.00	-6428.10	-5235.88
15200.00	90.00	178.34	100.00	10100.00	-6428.10	-5335.84
15300.00	90.00	178.34	100.00	10100.00	-6428.10	-5435.80
15400.00	90.00	178.34	100.00	10100.00	-6428.10	-5535.76
15500.00	90.00	178.34	100.00	10100.00	-6428.10	-5635.71
15600.00	90.00	178.34	100.00	10100.00	-6428.10	-5735.67
15700.00	90.00	178.34	100.00	10100.00	-6428.10	-5835.63
15800.00	90.00	178.34	100.00	10100.00	-6428.10	-5935.59
15900.00	90.00	178.34	100.00	10100.00	-6428.10	-6035.55
16000.00	90.00	178.34	100.00	10100.00	-6428.10	-6135.50
16100.00	90.00	178.34	100.00	10100.00	-6428.10	-6235.46
16200.00	90.00	178.34	100.00	10100.00	-6428.10	-6335.42
16300.00	90.00	178.34	100.00	10100.00	-6428.10	-6435.38
16400.00	90.00	178.34	100.00	10100.00	-6428.10	-6535.34
16500.00	90.00	178.34	100.00	10100.00	-6428.10	-6635.30
16600.00	90.00	178.34	100.00	10100.00	-6428.10	-6735.25
16700.00	90.00	178.34	100.00	10100.00	-6428.10	-6835.21
16800.00	90.00	178.34	100.00	10100.00	-6428.10	-6935.17
16900.00	90.00	178.34	100.00	10100.00	-6428.10	-7035.13
17000.00	90.00	178.34	100.00	10100.00	-6428.10	-7135.09
17100.00	90.00	178.34	100.00	10100.00	-6428.10	-7235.05
17200.00	90.00	178.34	100.00	10100.00	-6428.10	-7335.00
17300.00	90.00	178.34	100.00	10100.00	-6428.10	-7434.96
17400.00	90.00	178.34	100.00	10100.00	-6428.10	-7534.92
17500.00	90.00	178.34	100.00	10100.00	-6428.10	-7634.88

17600.00	90.00	178.34	100.00	10100.00	-6428.10	-7734.84
17700.00	90.00	178.34	100.00	10100.00	-6428.10	-7834.79
17800.00	90.00	178.34	100.00	10100.00	-6428.10	-7934.75
17900.00	90.00	178.34	100.00	10100.00	-6428.10	-8034.71
18000.00	90.00	178.34	100.00	10100.00	-6428.10	-8134.67
18100.00	90.00	178.34	100.00	10100.00	-6428.10	-8234.63
18200.00	90.00	178.34	100.00	10100.00	-6428.10	-8334.59
18300.00	90.00	178.34	100.00	10100.00	-6428.10	-8434.54
18400.00	90.00	178.34	100.00	10100.00	-6428.10	-8534.50
18500.00	90.00	178.34	100.00	10100.00	-6428.10	-8634.46
18600.00	90.00	178.34	100.00	10100.00	-6428.10	-8734.42
18700.00	90.00	178.34	100.00	10100.00	-6428.10	-8834.38
18800.00	90.00	178.34	100.00	10100.00	-6428.10	-8934.34
18900.00	90.00	178.34	100.00	10100.00	-6428.10	-9034.29
19000.00	90.00	178.34	100.00	10100.00	-6428.10	-9134.25
19100.00	90.00	178.34	100.00	10100.00	-6428.10	-9234.21
19200.00	90.00	178.34	100.00	10100.00	-6428.10	-9334.17
19300.00	90.00	178.34	100.00	10100.00	-6428.10	-9434.13
19400.00	90.00	178.34	100.00	10100.00	-6428.10	-9534.08
19500.00	90.00	178.34	100.00	10100.00	-6428.10	-9634.04
19600.00	90.00	178.34	100.00	10100.00	-6428.10	-9734.00
19700.00	90.00	178.34	100.00	10100.00	-6428.10	-9833.96
19800.00	90.00	178.34	100.00	10100.00	-6428.10	-9933.92
19900.00	90.00	178.34	100.00	10100.00	-6428.10	-10033.88
20000.00	90.00	178.34	100.00	10100.00	-6428.10	-10133.83
20100.00	90.00	178.34	100.00	10100.00	-6428.10	-10233.79
20200.00	90.00	178.34	100.00	10100.00	-6428.10	-10333.75
20300.00	90.00	178.34	100.00	10100.00	-6428.10	-10433.71
20400.00	90.00	178.34	100.00	10100.00	-6428.10	-10533.67
20500.00	90.00	178.34	100.00	10100.00	-6428.10	-10633.63
20600.00	90.00	178.34	100.00	10100.00	-6428.10	-10733.58
20700.00	90.00	178.34	100.00	10100.00	-6428.10	-10833.54
20800.00	90.00	178.34	100.00	10100.00	-6428.10	-10933.50
20900.00	90.00	178.34	100.00	10100.00	-6428.10	-11033.46
21000.00	90.00	178.34	100.00	10100.00	-6428.10	-11133.42
21100.00	90.00	178.34	100.00	10100.00	-6428.10	-11233.37
21200.00	90.00	178.34	100.00	10100.00	-6428.10	-11333.33
21300.00	90.00	178.34	100.00	10100.00	-6428.10	-11433.29
21400.00	90.00	178.34	100.00	10100.00	-6428.10	-11533.25
21500.00	90.00	178.34	100.00	10100.00	-6428.10	-11633.21
21600.00	90.00	178.34	100.00	10100.00	-6428.10	-11733.17
21700.00	90.00	178.34	100.00	10100.00	-6428.10	-11833.12
21800.00	90.00	178.34	100.00	10100.00	-6428.10	-11933.08
21900.00	90.00	178.34	100.00	10100.00	-6428.10	-12033.04

22000.00	90.00	178.34	100.00	10100.00	-6428.10	-12133.00
22100.00	90.00	178.34	100.00	10100.00	-6428.10	-12232.96
22200.00	90.00	178.34	100.00	10100.00	-6428.10	-12332.92
22300.00	90.00	178.34	100.00	10100.00	-6428.10	-12432.87
22400.00	90.00	178.34	100.00	10100.00	-6428.10	-12532.83
22500.00	90.00	178.34	100.00	10100.00	-6428.10	-12632.79
22600.00	90.00	178.34	100.00	10100.00	-6428.10	-12732.75
22700.00	90.00	178.34	100.00	10100.00	-6428.10	-12832.71
22800.00	90.00	178.34	100.00	10100.00	-6428.10	-12932.67
22900.00	90.00	178.34	100.00	10100.00	-6428.10	-13032.62
23000.00	90.00	178.34	100.00	10100.00	-6428.10	-13132.58
23100.00	90.00	178.34	100.00	10100.00	-6428.10	-13232.54
23200.00	90.00	178.34	100.00	10100.00	-6428.10	-13332.50
23300.00	90.00	178.34	100.00	10100.00	-6428.10	-13432.46
23400.00	90.00	178.34	100.00	10100.00	-6428.10	-13532.41
23500.00	90.00	178.34	100.00	10100.00	-6428.10	-13632.37
23600.00	90.00	178.34	100.00	10100.00	-6428.10	-13732.33
23700.00	90.00	178.34	100.00	10100.00	-6428.10	-13832.29
23800.00	90.00	178.34	100.00	10100.00	-6428.10	-13932.25
23900.00	90.00	178.34	100.00	10100.00	-6428.10	-14032.21
24000.00	90.00	178.34	100.00	10100.00	-6428.10	-14132.16
24100.00	90.00	178.34	100.00	10100.00	-6428.10	-14232.12
24200.00	90.00	178.34	100.00	10100.00	-6428.10	-14332.08
24300.00	90.00	178.34	100.00	10100.00	-6428.10	-14432.04
24400.00	90.00	178.34	100.00	10100.00	-6428.10	-14532.00
24500.00	90.00	178.34	100.00	10100.00	-6428.10	-14631.96
24600.00	90.00	178.34	100.00	10100.00	-6428.10	-14731.91
24700.00	90.00	178.34	100.00	10100.00	-6428.10	-14831.87
24800.00	90.00	178.34	100.00	10100.00	-6428.10	-14931.83
24900.00	90.00	178.34	100.00	10100.00	-6428.10	-15031.79
25000.00	90.00	178.34	100.00	10100.00	-6428.10	-15131.75
25100.00	90.00	178.34	100.00	10100.00	-6428.10	-15231.70
25200.00	90.00	178.34	100.00	10100.00	-6428.10	-15331.66
25300.00	90.00	178.34	100.00	10100.00	-6428.10	-15431.62
25400.00	90.00	178.34	100.00	10100.00	-6428.10	-15531.58
25500.00	90.00	178.34	100.00	10100.00	-6428.10	-15631.54
25546.10	90.00	178.34	46.10	10100.00	-6428.10	-15677.62

Coterra Energy

Lea County, NM (NAD 83)

Bridge State Com Pad

Bridge State Com 222H

2569' FSL, 1201' FEL

OH

Plan #1



Anticollision Report

Minimum Magnetic Interference Warning level is 20' center to center

05 February, 2026

Total Report Version 1.70

COMPASS 5000.16 Build 97

[Click here for our anticollision policy](#)

ATTENTION

All offset data provided was gathered using available software and resources. Total Directional Services cannot guarantee the accuracy of all offset data, which should be verified for accuracy by the Operator.

Total Directional Anticollision Report



Company:	Coterra Energy	Local Co-ordinate Reference:	Well Bridge State Com 222H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Reference Site:	Bridge State Com Pad	MD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bridge State Com 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Reference	Plan #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.00usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum centre distance of 2,754.83usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Well	Bridge State Com 222H				
Well Position	+N/-S	0.00 usft	Northing:	578,727.13 usft	Latitude: 32.5875528
	+E/-W	0.00 usft	Easting:	826,932.23 usft	Longitude: -103.4060798
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level: 3,641.90 usft
Grid Convergence:		0.50 °			

Survey Tool Program	Date	2/5/2026			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	25,546.03	Plan #1 (OH)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	

Experimental: Summary Highlights: Bridge State Com 222H

Offset Listing								
Offset Customer - Project - Site Name	Ground Level KB Height		Map Coordinates		Geographical Coordinates		Surface Uncertainty	
	Offset Well		Northing	Easting	Latitude	Longitude	Site	Well
- - Bridge State Com Pad								
(O) Amoco State 001 -	3,646.10	3,646.10	574,159.26	826,198.09	32.5750160	-103.4085920	0.00	0.00
(O) New Mexico DB State 001 -	3,678.00	3,678.00	564,856.39	826,281.07	32.5494460	-103.4085850	0.00	0.00
(O) Sage Brush 22302 25-24-13 State Com 4H -	3,675.00	3,703.50	563,357.74	824,106.76	32.5453788	-103.4156826	0.00	0.00
(O) Tayberries 13 State 501H -	3,647.00	3,672.00	575,899.44	825,842.73	32.5798072	-103.4096964	0.00	0.00
Bridge State Com 221H -	3,642.10	3,672.10	578,726.96	826,912.23	32.5875528	-103.4061447	0.00	0.00

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance		Separation Factor	Warning
			Between Centres (usft)	Between Ellipses (usft)		
Bridge State Com Pad						
(O) Amoco State 001 - OH - OH	14,390.97	10,076.18	1,406.00	1,132.71	5.14	CC
(O) Amoco State 001 - OH - OH	14,400.00	10,076.25	1,406.02	1,132.70	5.14	ES, SF
(O) New Mexico DB State 001 - OH - OH	23,690.12	10,110.52	1,591.82	1,229.18	4.39	CC
(O) New Mexico DB State 001 - OH - OH	23,700.00	10,110.54	1,591.85	1,229.16	4.39	ES, SF
(O) Sage Brush 22302 25-24-13 State Com 4H - OH - OH	25,348.68	10,049.19	2,715.63	2,556.12	17.03	CC, ES
(O) Sage Brush 22302 25-24-13 State Com 4H - OH - OH	25,500.00	10,013.00	2,719.47	2,559.44	16.99	SF
(O) Tayberries 13 State 501H - OH - OH	13,060.49	10,428.72	1,729.97	1,651.13	21.94	CC

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

Total Directional Anticollision Report



Company:	Coterra Energy	Local Co-ordinate Reference:	Well Bridge State Com 222H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Reference Site:	Bridge State Com Pad	MD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bridge State Com 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance		Separation Factor	Warning
			Between Centres (usft)	Between Ellipses (usft)		
Offset Well - Wellbore - Design						
Bridge State Com Pad						
(O) Tayberries 13 State 501H - OH - OH	13,100.00	10,454.00	1,730.13	1,651.03	21.87	ES
(O) Tayberries 13 State 501H - OH - OH	17,600.00	14,850.00	1,821.95	1,664.95	11.60	SF
Bridge State Com 221H - OH - Plan #1	416.60	416.80	20.00	17.23	7.21	CC
Bridge State Com 221H - OH - Plan #1	500.00	500.00	20.00	16.63	5.94	ES
Bridge State Com 221H - OH - Plan #1	600.00	599.39	23.48	19.41	5.77	SF

Offset Design: Bridge State Com Pad - (O) Amoco State 001 - OH - OH													Offset Site Error:	0.00 usft
Survey Program: 413-INC-ONLY													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
				Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
12,100.00	10,100.00	10,059.90	10,083.41	39.61	223.27	89.32	-4,567.65	-734.14	2,687.95	2,427.12	260.83	10.305		
12,200.00	10,100.00	10,060.53	10,084.04	39.95	223.29	89.35	-4,567.66	-734.14	2,603.25	2,342.17	261.08	9.971		
12,300.00	10,100.00	10,061.17	10,084.68	40.30	223.30	89.38	-4,567.66	-734.14	2,519.67	2,258.32	261.35	9.641		
12,400.00	10,100.00	10,061.81	10,085.32	40.66	223.31	89.40	-4,567.66	-734.14	2,437.32	2,175.68	261.64	9.316		
12,500.00	10,100.00	10,062.46	10,085.98	41.03	223.33	89.43	-4,567.67	-734.14	2,356.35	2,094.39	261.96	8.995		
12,600.00	10,100.00	10,063.12	10,086.63	41.41	223.34	89.46	-4,567.67	-734.14	2,276.88	2,014.57	262.32	8.680		
12,700.00	10,100.00	10,063.79	10,087.30	41.81	223.36	89.48	-4,567.68	-734.14	2,199.10	1,936.39	262.71	8.371		
12,800.00	10,100.00	10,064.46	10,087.97	42.21	223.37	89.51	-4,567.68	-734.14	2,123.17	1,860.04	263.13	8.069		
12,900.00	10,100.00	10,065.14	10,088.65	42.62	223.38	89.54	-4,567.69	-734.14	2,049.31	1,785.72	263.60	7.774		
13,000.00	10,100.00	10,065.82	10,089.34	43.05	223.40	89.57	-4,567.69	-734.14	1,977.75	1,713.65	264.10	7.489		
13,100.00	10,100.00	10,066.52	10,090.03	43.48	223.41	89.59	-4,567.70	-734.14	1,908.75	1,644.10	264.65	7.212		
13,200.00	10,100.00	10,067.22	10,090.73	43.92	223.43	89.62	-4,567.70	-734.14	1,842.59	1,577.35	265.24	6.947		
13,300.00	10,100.00	10,067.93	10,091.44	44.37	223.44	89.65	-4,567.71	-734.14	1,779.60	1,513.72	265.88	6.693		
13,400.00	10,100.00	10,068.64	10,092.16	44.83	223.46	89.68	-4,567.72	-734.14	1,720.11	1,453.55	266.56	6.453		
13,500.00	10,100.00	10,069.37	10,092.88	45.30	223.47	89.71	-4,567.72	-734.14	1,664.51	1,397.24	267.27	6.228		
13,600.00	10,100.00	10,070.10	10,093.61	45.77	223.49	89.74	-4,567.73	-734.14	1,613.20	1,345.18	268.02	6.019		
13,700.00	10,100.00	10,070.84	10,094.35	46.26	223.51	89.77	-4,567.73	-734.14	1,566.60	1,297.81	268.78	5.828		
13,800.00	10,100.00	10,071.59	10,095.10	46.75	223.52	89.80	-4,567.74	-734.14	1,525.14	1,255.58	269.56	5.658		
13,900.00	10,100.00	10,072.34	10,095.85	47.25	223.54	89.83	-4,567.74	-734.14	1,489.25	1,218.93	270.32	5.509		
14,000.00	10,100.00	10,073.11	10,096.62	47.76	223.55	89.86	-4,567.75	-734.14	1,459.34	1,188.28	271.06	5.384		
14,100.00	10,100.00	10,073.88	10,097.39	48.27	223.57	89.89	-4,567.76	-734.14	1,435.79	1,164.04	271.75	5.284		
14,200.00	10,100.00	10,074.66	10,098.17	48.79	223.59	89.93	-4,567.76	-734.14	1,418.90	1,146.54	272.36	5.210		
14,300.00	10,100.00	10,075.45	10,098.96	49.32	223.60	89.96	-4,567.77	-734.14	1,408.93	1,136.04	272.89	5.163		
14,390.97	10,100.00	10,076.18	10,099.69	49.80	223.62	89.99	-4,567.77	-734.14	1,406.00	1,132.71	273.29	5.145	CC	
14,400.00	10,100.00	10,076.25	10,099.76	49.85	223.62	89.99	-4,567.78	-734.14	1,406.02	1,132.70	273.32	5.144	ES, SF	
14,500.00	10,100.00	10,077.06	10,100.57	50.39	223.64	90.02	-4,567.78	-734.14	1,410.22	1,136.58	273.64	5.154		
14,600.00	10,100.00	10,077.88	10,101.39	50.93	223.65	90.06	-4,567.79	-734.14	1,421.45	1,147.61	273.83	5.191		
14,700.00	10,100.00	10,078.71	10,102.22	51.48	223.67	90.09	-4,567.79	-734.14	1,439.55	1,165.64	273.92	5.255		
14,800.00	10,100.00	10,079.55	10,103.06	52.04	223.69	90.12	-4,567.80	-734.14	1,464.28	1,190.39	273.89	5.346		
14,900.00	10,100.00	10,080.39	10,103.90	52.60	223.71	90.16	-4,567.81	-734.14	1,495.30	1,221.52	273.78	5.462		
15,000.00	10,100.00	10,081.25	10,104.76	53.17	223.73	90.19	-4,567.82	-734.14	1,532.23	1,258.65	273.58	5.601		
15,100.00	10,100.00	10,082.12	10,105.63	53.74	223.74	90.23	-4,567.82	-734.14	1,574.65	1,301.33	273.32	5.761		
15,200.00	10,100.00	10,082.99	10,106.50	54.32	223.76	90.27	-4,567.83	-734.14	1,622.13	1,349.12	273.01	5.942		
15,300.00	10,100.00	10,083.88	10,107.39	54.90	223.78	90.30	-4,567.84	-734.14	1,674.25	1,401.57	272.67	6.140		
15,400.00	10,100.00	10,084.78	10,108.29	55.49	223.80	90.34	-4,567.85	-734.14	1,730.58	1,458.26	272.31	6.355		
15,500.00	10,100.00	10,085.69	10,109.20	56.08	223.82	90.37	-4,567.85	-734.14	1,790.72	1,518.78	271.95	6.585		
15,600.00	10,100.00	10,086.61	10,110.12	56.67	223.84	90.41	-4,567.86	-734.14	1,854.31	1,582.74	271.58	6.828		

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

Total Directional Anticollision Report



Company:	Coterra Energy	Local Co-ordinate Reference:	Well Bridge State Com 222H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Reference Site:	Bridge State Com Pad	MD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bridge State Com 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design: Bridge State Com Pad - (O) Amoco State 001 - OH - OH

Survey Program: 413-INC-ONLY		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
15,700.00	10,100.00	10,087.54	10,111.05	57.27	223.86	90.45	-4,567.87	-734.14	1,921.01	1,649.79	271.21	7.083	
15,800.00	10,100.00	10,088.49	10,112.00	57.87	223.88	90.49	-4,567.88	-734.14	1,990.49	1,719.63	270.86	7.349	
15,900.00	10,100.00	10,089.44	10,112.95	58.48	223.90	90.53	-4,567.89	-734.14	2,062.48	1,791.96	270.52	7.624	
16,000.00	10,100.00	10,090.41	10,113.92	59.09	223.92	90.57	-4,567.89	-734.14	2,136.73	1,866.53	270.20	7.908	
16,100.00	10,100.00	10,091.39	10,114.90	59.71	223.94	90.61	-4,567.90	-734.14	2,213.01	1,943.10	269.90	8.199	
16,200.00	10,100.00	10,092.38	10,115.89	60.33	223.96	90.65	-4,567.91	-734.14	2,291.11	2,021.49	269.62	8.497	
16,300.00	10,100.00	10,093.39	10,116.90	60.95	223.98	90.69	-4,567.92	-734.14	2,370.86	2,101.49	269.36	8.802	
16,400.00	10,100.00	10,094.40	10,117.91	61.57	224.01	90.73	-4,567.93	-734.14	2,452.09	2,182.97	269.12	9.111	
16,500.00	10,100.00	10,095.44	10,118.94	62.20	224.03	90.77	-4,567.94	-734.14	2,534.66	2,265.76	268.90	9.426	
16,600.00	10,100.00	10,096.48	10,119.99	62.83	224.05	90.81	-4,567.95	-734.14	2,618.45	2,349.75	268.70	9.745	
16,700.00	10,100.00	10,097.54	10,121.05	63.47	224.07	90.86	-4,567.96	-734.14	2,703.34	2,434.83	268.51	10.068	

Offset Site Error: 0.00 usft
Offset Well Error: 0.00 usft

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

Total Directional Anticollision Report



Company:	Coterra Energy	Local Co-ordinate Reference:	Well Bridge State Com 222H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Reference Site:	Bridge State Com Pad	MD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bridge State Com 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design: Bridge State Com Pad - (O) New Mexico DB State 001 - OH - OH

Survey Program: 400-INC-ONLY		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	Offset Site Error:
Reference	Vertical	Measured	Vertical	Reference	Offset		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				Offset Well Error:
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	(usft)	(usft)									0.00 usft
21,500.00	10,100.00	10,107.78	10,097.12	96.30	250.43	89.90	-13,868.41	-651.16	2,707.49	2,388.76	318.73	8.495		
21,600.00	10,100.00	10,107.87	10,097.22	97.02	250.43	89.90	-13,868.41	-651.16	2,627.26	2,306.90	320.35	8.201		
21,700.00	10,100.00	10,107.97	10,097.32	97.74	250.43	89.90	-13,868.41	-651.16	2,548.42	2,226.36	322.07	7.913		
21,800.00	10,100.00	10,108.07	10,097.42	98.45	250.44	89.91	-13,868.41	-651.16	2,471.12	2,147.25	323.87	7.630		
21,900.00	10,100.00	10,108.18	10,097.52	99.17	250.44	89.91	-13,868.41	-651.16	2,395.50	2,069.72	325.78	7.353		
22,000.00	10,100.00	10,108.28	10,097.63	99.89	250.45	89.91	-13,868.41	-651.16	2,321.72	1,993.94	327.78	7.083		
22,100.00	10,100.00	10,108.39	10,097.74	100.61	250.45	89.92	-13,868.41	-651.16	2,249.97	1,920.09	329.88	6.821		
22,200.00	10,100.00	10,108.50	10,097.85	101.33	250.46	89.92	-13,868.41	-651.16	2,180.44	1,848.37	332.07	6.566		
22,300.00	10,100.00	10,108.61	10,097.96	102.05	250.46	89.93	-13,868.41	-651.16	2,113.36	1,779.01	334.36	6.321		
22,400.00	10,100.00	10,108.73	10,098.08	102.77	250.47	89.93	-13,868.41	-651.16	2,048.97	1,712.25	336.72	6.085		
22,500.00	10,100.00	10,108.85	10,098.19	103.50	250.47	89.93	-13,868.41	-651.16	1,987.53	1,648.37	339.15	5.860		
22,600.00	10,100.00	10,108.97	10,098.32	104.22	250.48	89.94	-13,868.41	-651.16	1,929.31	1,587.67	341.64	5.647		
22,700.00	10,100.00	10,109.09	10,098.44	104.95	250.48	89.94	-13,868.41	-651.16	1,874.62	1,530.47	344.15	5.447		
22,800.00	10,100.00	10,109.22	10,098.57	105.67	250.49	89.95	-13,868.41	-651.16	1,823.78	1,477.12	346.67	5.261		
22,900.00	10,100.00	10,109.35	10,098.70	106.40	250.49	89.95	-13,868.41	-651.16	1,777.12	1,427.97	349.15	5.090		
23,000.00	10,100.00	10,109.49	10,098.83	107.12	250.50	89.96	-13,868.41	-651.16	1,734.98	1,383.41	351.57	4.935		
23,100.00	10,100.00	10,109.63	10,098.97	107.85	250.51	89.96	-13,868.41	-651.16	1,697.68	1,343.81	353.87	4.797		
23,200.00	10,100.00	10,109.77	10,099.11	108.58	250.51	89.97	-13,868.41	-651.16	1,665.56	1,309.55	356.01	4.678		
23,300.00	10,100.00	10,109.91	10,099.26	109.30	250.52	89.97	-13,868.41	-651.16	1,638.92	1,280.99	357.94	4.579		
23,400.00	10,100.00	10,110.06	10,099.41	110.03	250.53	89.98	-13,868.41	-651.16	1,618.04	1,258.43	359.61	4.499		
23,500.00	10,100.00	10,110.22	10,099.56	110.76	250.53	89.98	-13,868.41	-651.16	1,603.13	1,242.15	360.98	4.441		
23,600.00	10,100.00	10,110.38	10,099.72	111.49	250.54	89.99	-13,868.41	-651.16	1,594.36	1,232.35	362.01	4.404		
23,690.12	10,100.00	10,110.52	10,099.87	112.15	250.55	90.00	-13,868.41	-651.16	1,591.82	1,229.18	362.63	4.390	CC	
23,700.00	10,100.00	10,110.54	10,099.89	112.22	250.55	90.00	-13,868.41	-651.16	1,591.85	1,229.16	362.68	4.389	ES, SF	
23,800.00	10,100.00	10,110.71	10,100.06	112.95	250.55	90.00	-13,868.41	-651.16	1,595.60	1,232.62	362.98	4.396		
23,900.00	10,100.00	10,110.88	10,100.23	113.68	250.56	90.01	-13,868.41	-651.16	1,605.59	1,242.68	362.91	4.424		
24,000.00	10,100.00	10,111.06	10,100.41	114.42	250.57	90.01	-13,868.41	-651.16	1,621.70	1,259.21	362.49	4.474		
24,100.00	10,100.00	10,111.24	10,100.59	115.15	250.58	90.02	-13,868.41	-651.16	1,643.74	1,282.00	361.74	4.544		
24,200.00	10,100.00	10,111.43	10,100.78	115.88	250.59	90.03	-13,868.41	-651.16	1,671.48	1,310.78	360.70	4.634		
24,300.00	10,100.00	10,111.63	10,100.98	116.61	250.59	90.04	-13,868.41	-651.16	1,704.65	1,345.24	359.41	4.743		
24,400.00	10,100.00	10,111.83	10,101.18	117.35	250.60	90.04	-13,868.41	-651.16	1,742.93	1,385.01	357.92	4.870		
24,500.00	10,100.00	10,112.04	10,101.39	118.08	250.61	90.05	-13,868.42	-651.16	1,786.00	1,429.73	356.26	5.013		
24,600.00	10,100.00	10,112.26	10,101.60	118.82	250.62	90.06	-13,868.42	-651.16	1,833.51	1,479.01	354.50	5.172		
24,700.00	10,100.00	10,112.48	10,101.83	119.55	250.63	90.07	-13,868.42	-651.16	1,885.13	1,532.48	352.65	5.346		
24,800.00	10,100.00	10,112.71	10,102.06	120.29	250.64	90.07	-13,868.42	-651.16	1,940.54	1,589.78	350.76	5.532		
24,900.00	10,100.00	10,112.95	10,102.30	121.02	250.65	90.08	-13,868.42	-651.16	1,999.42	1,650.56	348.86	5.731		
25,000.00	10,100.00	10,113.20	10,102.54	121.76	250.66	90.09	-13,868.42	-651.16	2,061.47	1,714.50	346.97	5.941		
25,100.00	10,100.00	10,113.45	10,102.80	122.50	250.67	90.10	-13,868.42	-651.16	2,126.41	1,781.30	345.11	6.162		
25,200.00	10,100.00	10,113.72	10,103.07	123.24	250.69	90.11	-13,868.42	-651.16	2,193.99	1,850.70	343.29	6.391		
25,300.00	10,100.00	10,114.00	10,103.34	123.97	250.70	90.12	-13,868.42	-651.16	2,263.97	1,922.44	341.53	6.629		
25,400.00	10,100.00	10,114.28	10,103.63	124.71	250.71	90.13	-13,868.42	-651.16	2,336.14	1,996.30	339.84	6.874		
25,500.00	10,100.00	10,114.58	10,103.93	125.45	250.72	90.14	-13,868.42	-651.16	2,410.30	2,072.09	338.21	7.127		
25,546.10	10,100.00	10,114.72	10,104.07	125.79	250.73	90.15	-13,868.42	-651.16	2,445.10	2,107.62	337.48	7.245		

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

Total Directional Anticollision Report



Company:	Coterra Energy	Local Co-ordinate Reference:	Well Bridge State Com 222H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Reference Site:	Bridge State Com Pad	MD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bridge State Com 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design: Bridge State Com Pad - (O) Sage Brush 22302 25-24-13 State Com 4H - OH - OH

Survey Program: 187-3_MWD+HRGM											Offset Site Error:	0.00 usft	
Reference											Offset Well Error:	0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
		Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
24,000.00	10,100.00	11,416.43	10,206.79	114.42	41.26	92.22	-14,296.97	-1,798.17	2,754.13	2,598.65	155.48	17.714	
24,100.00	10,100.00	11,309.44	10,206.53	115.15	40.61	92.22	-14,403.76	-1,791.68	2,750.94	2,595.35	155.58	17.682	
24,200.00	10,100.00	11,198.07	10,205.10	115.88	39.99	92.19	-14,514.89	-1,784.47	2,747.29	2,591.59	155.70	17.644	
24,300.00	10,100.00	11,096.98	10,201.19	116.61	39.49	92.12	-14,615.69	-1,777.89	2,743.52	2,587.60	155.92	17.595	
24,400.00	10,100.00	10,998.23	10,195.93	117.35	39.07	92.01	-14,714.09	-1,771.45	2,739.70	2,583.50	156.20	17.540	
24,500.00	10,100.00	10,894.23	10,190.17	118.08	38.77	91.89	-14,817.71	-1,764.75	2,735.95	2,579.45	156.50	17.482	
24,600.00	10,100.00	10,803.25	10,184.70	118.82	38.66	91.78	-14,908.33	-1,758.78	2,732.08	2,575.18	156.90	17.413	
24,700.00	10,100.00	10,730.98	10,180.32	119.55	38.65	91.69	-14,980.35	-1,754.54	2,728.94	2,571.54	157.40	17.338	
24,800.00	10,100.00	10,655.91	10,175.54	120.29	38.66	91.59	-15,055.18	-1,751.13	2,727.03	2,569.14	157.89	17.271	
24,900.00	10,100.00	10,474.22	10,134.43	121.02	38.72	90.73	-15,231.22	-1,740.95	2,723.43	2,565.34	158.09	17.227	
25,000.00	10,100.00	10,389.00	10,101.21	121.76	38.73	90.03	-15,309.51	-1,735.77	2,719.43	2,560.90	158.53	17.154	
25,100.00	10,100.00	10,342.05	10,080.80	122.50	38.72	89.59	-15,351.72	-1,733.42	2,716.87	2,557.80	159.07	17.080	
25,183.26	10,100.00	10,295.00	10,059.07	123.11	38.72	89.14	-15,393.42	-1,731.77	2,716.35	2,556.89	159.46	17.035	
25,200.00	10,100.00	10,295.00	10,059.07	123.24	38.72	89.14	-15,393.42	-1,731.77	2,716.40	2,556.85	159.55	17.026	
25,300.00	10,100.00	10,059.22	9,890.55	123.97	38.46	85.58	-15,553.43	-1,718.68	2,716.02	2,556.75	159.27	17.052	
25,348.68	10,100.00	10,049.19	9,881.93	124.33	38.44	85.39	-15,558.50	-1,717.81	2,715.63	2,556.12	159.51	17.025	CC, ES
25,400.00	10,100.00	10,013.00	9,850.29	124.71	38.38	84.73	-15,575.85	-1,715.12	2,716.38	2,556.78	159.60	17.019	
25,500.00	10,100.00	10,013.00	9,850.29	125.45	38.38	84.73	-15,575.85	-1,715.12	2,719.47	2,559.44	160.04	16.993	SF
25,546.10	10,100.00	10,011.88	9,849.30	125.79	38.38	84.70	-15,576.36	-1,715.05	2,722.13	2,561.95	160.18	16.994	

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

Total Directional Anticollision Report



Company:	Coterra Energy	Local Co-ordinate Reference:	Well Bridge State Com 222H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Reference Site:	Bridge State Com Pad	MD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bridge State Com 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design: Bridge State Com Pad - (O) Tayberries 13 State 501H - OH - OH

Survey Program: 195-OWSG (Rev2) MWD		Reference		Offset		Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Minimum Separation		Separation		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
10,400.00	10,096.93	9,581.00	9,575.38	35.91	33.39	66.94			-2,639.20	-1,100.47	2,725.99	2,657.94	68.05	40.059					
10,500.00	10,100.00	9,581.00	9,575.38	36.02	33.39	73.00			-2,639.20	-1,100.47	2,652.19	2,584.14	68.06	38.971					
10,600.00	10,100.00	9,581.00	9,575.38	36.14	33.39	73.00			-2,639.20	-1,100.47	2,579.46	2,511.39	68.07	37.893					
10,700.00	10,100.00	9,604.18	9,597.94	36.28	33.46	73.70			-2,644.48	-1,100.69	2,507.93	2,439.65	68.27	36.735					
10,800.00	10,100.00	9,608.40	9,602.01	36.42	33.48	73.83			-2,645.59	-1,100.75	2,438.85	2,370.51	68.35	35.684					
10,900.00	10,100.00	9,629.00	9,621.72	36.59	33.54	74.44			-2,651.58	-1,101.14	2,372.25	2,303.69	68.56	34.600					
11,000.00	10,100.00	9,629.00	9,621.72	36.76	33.54	74.44			-2,651.58	-1,101.14	2,307.51	2,238.87	68.64	33.619					
11,100.00	10,100.00	9,629.00	9,621.72	36.95	33.54	74.44			-2,651.58	-1,101.14	2,245.35	2,176.62	68.73	32.671					
11,200.00	10,100.00	9,629.00	9,621.72	37.16	33.54	74.44			-2,651.58	-1,101.14	2,186.00	2,117.17	68.83	31.759					
11,300.00	10,100.00	9,629.00	9,621.72	37.38	33.54	74.44			-2,651.58	-1,101.14	2,129.70	2,060.74	68.95	30.886					
11,400.00	10,100.00	9,650.40	9,641.92	37.61	33.60	75.07			-2,658.62	-1,101.67	2,076.35	2,007.07	69.29	29.967					
11,500.00	10,100.00	9,676.00	9,665.81	37.86	33.67	75.83			-2,667.79	-1,102.45	2,026.57	1,956.88	69.68	29.082					
11,600.00	10,100.00	9,676.00	9,665.81	38.12	33.67	75.83			-2,667.79	-1,102.45	1,980.09	1,910.21	69.88	28.336					
11,700.00	10,100.00	9,707.46	9,694.88	38.39	33.75	76.75			-2,679.78	-1,103.41	1,937.37	1,866.99	70.38	27.528					
11,800.00	10,100.00	9,723.00	9,709.17	38.68	33.80	77.21			-2,685.87	-1,103.81	1,898.38	1,827.62	70.76	26.828					
11,900.00	10,100.00	9,750.50	9,734.14	38.98	33.87	78.01			-2,697.35	-1,104.44	1,863.42	1,792.15	71.27	26.146					
12,000.00	10,100.00	9,770.00	9,751.50	39.29	33.93	78.56			-2,706.23	-1,104.87	1,832.83	1,761.11	71.72	25.554					
12,100.00	10,100.00	9,793.35	9,771.86	39.61	33.99	79.22			-2,717.65	-1,105.38	1,806.71	1,734.49	72.22	25.017					
12,200.00	10,100.00	9,817.00	9,791.96	39.95	34.05	79.87			-2,730.10	-1,105.93	1,785.15	1,712.42	72.72	24.547					
12,300.00	10,100.00	9,864.00	9,830.41	40.30	34.17	81.12			-2,757.09	-1,106.85	1,767.93	1,694.53	73.40	24.085					
12,400.00	10,100.00	9,911.77	9,867.52	40.66	34.29	82.34			-2,787.16	-1,107.39	1,754.68	1,680.61	74.07	23.690					
12,500.00	10,100.00	10,004.00	9,933.00	41.03	34.53	84.48			-2,851.97	-1,105.90	1,743.91	1,668.92	74.99	23.257					
12,600.00	10,100.00	10,051.00	9,961.96	41.41	34.65	85.43			-2,888.93	-1,104.30	1,736.00	1,660.42	75.58	22.969					
12,700.00	10,100.00	10,099.00	9,987.65	41.81	34.78	86.28			-2,929.43	-1,103.19	1,731.72	1,655.57	76.16	22.739					
12,798.14	10,100.00	10,160.67	10,014.42	42.20	34.95	87.17			-2,984.93	-1,102.60	1,730.68	1,653.91	76.77	22.543					
12,800.00	10,100.00	10,162.29	10,015.04	42.21	34.95	87.19			-2,986.44	-1,102.59	1,730.68	1,653.90	76.79	22.539					
12,900.00	10,100.00	10,272.30	10,046.53	42.62	35.27	88.23			-3,091.65	-1,101.01	1,730.90	1,653.27	77.62	22.299					
13,000.00	10,100.00	10,380.65	10,057.97	43.05	35.62	88.61			-3,199.18	-1,097.55	1,730.27	1,651.84	78.43	22.062					
13,060.49	10,100.00	10,428.72	10,058.72	43.31	35.78	88.63			-3,247.21	-1,095.94	1,729.97	1,651.13	78.85	21.941	CC				
13,100.00	10,100.00	10,454.00	10,058.67	43.48	35.87	88.63			-3,272.49	-1,095.30	1,730.13	1,651.03	79.09	21.875	ES				
13,200.00	10,100.00	10,543.16	10,057.76	43.92	36.24	88.60			-3,361.63	-1,093.82	1,731.37	1,651.49	79.89	21.673					
13,300.00	10,100.00	10,625.95	10,056.09	44.37	36.64	88.55			-3,444.39	-1,092.93	1,733.24	1,652.54	80.70	21.477					
13,400.00	10,100.00	10,727.26	10,052.47	44.83	37.19	88.43			-3,545.64	-1,092.53	1,735.84	1,654.13	81.71	21.244					
13,500.00	10,100.00	10,837.19	10,048.21	45.30	37.87	88.29			-3,655.48	-1,091.46	1,737.86	1,655.01	82.85	20.976					
13,600.00	10,100.00	10,934.32	10,044.26	45.77	38.53	88.16			-3,752.52	-1,090.27	1,739.65	1,655.68	83.97	20.718					
13,700.00	10,100.00	11,043.10	10,040.51	46.26	39.33	88.04			-3,861.23	-1,089.07	1,741.57	1,656.32	85.25	20.428					
13,800.00	10,100.00	11,144.20	10,038.52	46.75	40.13	87.98			-3,962.29	-1,087.42	1,742.89	1,656.35	86.54	20.140					
13,900.00	10,100.00	11,245.38	10,038.12	47.25	40.98	87.97			-4,063.46	-1,085.90	1,744.29	1,656.40	87.89	19.847					
14,000.00	10,100.00	11,331.63	10,038.24	47.76	41.74	87.97			-4,149.70	-1,084.86	1,745.97	1,656.83	89.14	19.587					
14,100.00	10,100.00	11,425.82	10,038.64	48.27	42.62	87.99			-4,243.89	-1,084.37	1,748.32	1,657.80	90.52	19.314					
14,200.00	10,100.00	11,529.59	10,040.55	48.79	43.62	88.05			-4,347.64	-1,083.91	1,750.70	1,658.65	92.06	19.018					
14,300.00	10,100.00	11,620.77	10,041.52	49.32	44.55	88.09			-4,438.81	-1,083.54	1,753.16	1,659.67	93.49	18.752					
14,400.00	10,100.00	11,722.08	10,041.17	49.85	45.61	88.08			-4,540.12	-1,083.38	1,755.90	1,660.82	95.09	18.466					
14,500.00	10,100.00	11,830.78	10,039.63	50.39	46.79	88.00			-4,648.79	-1,082.82	1,758.35	1,661.54	96.81	18.162					
14,600.00	10,100.00	11,968.25	10,032.27	50.93	48.35	87.79			-4,786.09	-1,080.47	1,759.80	1,660.85	98.95	17.785					
14,700.00	10,100.00	12,069.69	10,027.98	51.48	49.54	87.65			-4,887.37	-1,076.86	1,759.29	1,658.61	100.67	17.475					
14,702.32	10,100.00	12,071.49	10,027.92	51.50	49.56	87.65			-4,889.17	-1,076.81	1,759.29	1,658.58	100.71	17.470					
14,800.00	10,100.00	12,152.00	10,026.76	52.04	50.52	87.61			-4,969.64	-1,074.90	1,759.84	1,657.66	102.18	17.223					
14,900.00	10,100.00	12,260.21	10,029.33	52.60	51.83	87.70			-5,077.80	-1,072.71	1,760.61	1,656.53	104.08	16.916					
15,000.00	10,100.00	12,345.20	10,032.29	53.17	52.89	87.80			-5,162.72	-1,070.97	1,761.34	1,655.65	105.69	16.665					
15,100.00	10,100.00	12,427.89	10,035.05	53.74	53.93	87.89			-5,245.35	-1,070.35	1,763.33	1,656.05	107.29	16.436					
15,200.00	10,100.00	12,525.42	10,037.64	54.32	55.18	87.98			-5,342.85	-1,070.06	1,765.83	1,656.72	109.11	16.184					

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

Total Directional Anticollision Report



Company:	Coterra Energy	Local Co-ordinate Reference:	Well Bridge State Com 222H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Reference Site:	Bridge State Com Pad	MD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bridge State Com 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design: Bridge State Com Pad - (O) Tayberries 13 State 501H - OH - OH

Survey Program: 195-OWSG (Rev2) MWD		Reference		Offset		Semi Major Axis		Highside Tooface (")	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	Offset Site Error:
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				Offset Well Error:
15,300.00	10,100.00	12,622.93	10,039.22	54.90	56.44	88.03	88.03	-5,440.34	-1,069.71	1,768.30	1,657.35	110.95	15.937			
15,400.00	10,100.00	12,713.44	10,041.37	55.49	57.62	88.10	88.10	-5,530.83	-1,069.78	1,771.19	1,658.47	112.71	15.714			
15,500.00	10,100.00	12,806.59	10,042.18	56.08	58.86	88.13	88.13	-5,623.98	-1,070.30	1,774.60	1,660.08	114.52	15.495			
15,600.00	10,100.00	12,908.30	10,041.44	56.67	60.22	88.11	88.11	-5,725.68	-1,070.96	1,778.16	1,661.67	116.48	15.265			
15,700.00	10,100.00	13,007.10	10,038.88	57.27	61.56	88.03	88.03	-5,824.44	-1,071.37	1,781.55	1,663.14	118.41	15.045			
15,800.00	10,100.00	13,117.33	10,035.07	57.87	63.07	87.91	87.91	-5,934.61	-1,071.82	1,784.99	1,664.45	120.54	14.809			
15,900.00	10,100.00	13,214.56	10,033.84	58.48	64.42	87.88	87.88	-6,031.83	-1,071.76	1,787.86	1,665.38	122.48	14.597			
16,000.00	10,100.00	13,309.24	10,031.96	59.09	65.74	87.82	87.82	-6,126.48	-1,072.05	1,791.13	1,666.74	124.39	14.399			
16,100.00	10,100.00	13,406.93	10,029.94	59.71	67.12	87.76	87.76	-6,224.16	-1,072.54	1,794.60	1,668.23	126.37	14.201			
16,200.00	10,100.00	13,506.27	10,028.64	60.33	68.53	87.72	87.72	-6,323.49	-1,073.14	1,798.14	1,669.75	128.39	14.005			
16,300.00	10,100.00	13,600.39	10,028.31	60.95	69.87	87.72	87.72	-6,417.60	-1,073.88	1,801.83	1,671.49	130.34	13.824			
16,400.00	10,100.00	13,682.26	10,029.54	61.57	71.05	87.76	87.76	-6,499.45	-1,075.10	1,806.16	1,674.07	132.09	13.674			
16,500.00	10,100.00	13,790.34	10,031.40	62.20	72.61	87.83	87.83	-6,607.49	-1,077.32	1,811.05	1,676.74	134.31	13.484			
16,600.00	10,100.00	13,937.49	10,029.27	62.83	74.76	87.76	87.76	-6,754.60	-1,077.19	1,813.77	1,676.57	137.20	13.220			
16,700.00	10,100.00	14,041.53	10,025.31	63.47	76.30	87.64	87.64	-6,858.55	-1,075.81	1,815.49	1,676.13	139.36	13.027			
16,800.00	10,100.00	14,162.10	10,020.19	64.11	78.08	87.48	87.48	-6,979.00	-1,073.54	1,816.71	1,674.92	141.79	12.813			
16,900.00	10,100.00	14,276.25	10,015.57	64.75	79.79	87.34	87.34	-7,092.99	-1,070.09	1,816.75	1,672.62	144.13	12.605			
17,000.00	10,100.00	14,391.44	10,011.10	65.39	81.52	87.19	87.19	-7,208.01	-1,065.67	1,815.97	1,669.49	146.49	12.397			
17,100.00	10,100.00	14,499.65	10,008.97	66.04	83.15	87.12	87.12	-7,316.09	-1,061.00	1,814.65	1,665.89	148.76	12.199			
17,200.00	10,100.00	14,587.76	10,008.14	66.68	84.48	87.10	87.10	-7,404.11	-1,057.00	1,813.09	1,662.36	150.73	12.028			
17,250.88	10,100.00	14,621.85	10,007.63	67.02	85.00	87.08	87.08	-7,438.18	-1,055.83	1,812.85	1,661.28	151.57	11.960			
17,300.00	10,100.00	14,647.00	10,007.14	67.34	85.38	87.06	87.06	-7,463.31	-1,055.17	1,813.10	1,660.86	152.24	11.909			
17,400.00	10,100.00	14,720.03	10,007.20	67.99	86.49	87.07	87.07	-7,536.33	-1,054.33	1,814.93	1,660.99	153.95	11.789			
17,500.00	10,100.00	14,823.89	10,013.23	68.65	88.07	87.26	87.26	-7,640.00	-1,054.65	1,817.84	1,661.62	156.22	11.636			
17,600.00	10,100.00	14,850.00	10,015.26	69.31	88.47	87.33	87.33	-7,666.03	-1,054.67	1,821.95	1,664.95	157.00	11.605	SF		
17,700.00	10,100.00	14,850.00	10,015.26	69.97	88.47	87.33	87.33	-7,666.03	-1,054.67	1,831.33	1,674.37	156.96	11.667			
17,800.00	10,100.00	14,850.00	10,015.26	70.63	88.47	87.33	87.33	-7,666.03	-1,054.67	1,846.09	1,689.51	156.57	11.791			
17,900.00	10,100.00	14,850.00	10,015.26	71.29	88.47	87.33	87.33	-7,666.03	-1,054.67	1,866.09	1,710.24	155.85	11.973			
18,000.00	10,100.00	14,850.00	10,015.26	71.96	88.47	87.33	87.33	-7,666.03	-1,054.67	1,891.18	1,736.35	154.83	12.214			
18,100.00	10,100.00	14,850.00	10,015.26	72.63	88.47	87.33	87.33	-7,666.03	-1,054.67	1,921.15	1,767.61	153.55	12.512			
18,200.00	10,100.00	14,850.00	10,015.26	73.30	88.47	87.33	87.33	-7,666.03	-1,054.67	1,955.79	1,803.75	152.03	12.864			
18,300.00	10,100.00	14,850.00	10,015.26	73.98	88.47	87.33	87.33	-7,666.03	-1,054.67	1,994.84	1,844.51	150.33	13.270			
18,400.00	10,100.00	14,850.00	10,015.26	74.65	88.47	87.33	87.33	-7,666.03	-1,054.67	2,038.05	1,889.57	148.47	13.727			
18,500.00	10,100.00	14,850.00	10,015.26	75.33	88.47	87.33	87.33	-7,666.03	-1,054.67	2,085.16	1,938.66	146.51	14.233			
18,600.00	10,100.00	14,850.00	10,015.26	76.01	88.47	87.33	87.33	-7,666.03	-1,054.67	2,135.92	1,991.47	144.46	14.786			
18,700.00	10,100.00	14,850.00	10,015.26	76.69	88.47	87.33	87.33	-7,666.03	-1,054.67	2,190.08	2,047.72	142.36	15.384			
18,800.00	10,100.00	14,850.00	10,015.26	77.37	88.47	87.33	87.33	-7,666.03	-1,054.67	2,247.38	2,107.14	140.24	16.026			
18,900.00	10,100.00	14,850.00	10,015.26	78.06	88.47	87.33	87.33	-7,666.03	-1,054.67	2,307.59	2,169.48	138.11	16.708			
19,000.00	10,100.00	14,850.00	10,015.26	78.74	88.47	87.33	87.33	-7,666.03	-1,054.67	2,370.49	2,234.48	136.01	17.429			
19,100.00	10,100.00	14,850.00	10,015.26	79.43	88.47	87.33	87.33	-7,666.03	-1,054.67	2,435.88	2,301.94	133.94	18.186			
19,200.00	10,100.00	14,850.00	10,015.26	80.12	88.47	87.33	87.33	-7,666.03	-1,054.67	2,503.55	2,371.64	131.92	18.978			
19,300.00	10,100.00	14,850.00	10,015.26	80.81	88.47	87.33	87.33	-7,666.03	-1,054.67	2,573.33	2,443.39	129.95	19.803			
19,400.00	10,100.00	14,850.00	10,015.26	81.50	88.47	87.33	87.33	-7,666.03	-1,054.67	2,645.05	2,517.01	128.04	20.658			
19,500.00	10,100.00	14,850.00	10,015.26	82.19	88.47	87.33	87.33	-7,666.03	-1,054.67	2,718.56	2,592.36	126.20	21.542			

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

Total Directional Anticollision Report



Company:	Coterra Energy	Local Co-ordinate Reference:	Well Bridge State Com 222H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Reference Site:	Bridge State Com Pad	MD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bridge State Com 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design: Bridge State Com Pad - Bridge State Com 221H - OH - Plan #1

Survey Program: 0-MWD+IFR1+MS		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	0.20	0.00	0.00	0.00	-90.49	-0.17	-20.00	20.00				
100.00	100.00	100.20	100.00	0.25	0.25	-90.49	-0.17	-20.00	20.00	19.50	0.50	39.796	
200.00	200.00	200.20	200.00	0.61	0.61	-90.49	-0.17	-20.00	20.00	18.78	1.22	16.400	
300.00	300.00	300.20	300.00	0.97	0.97	-90.49	-0.17	-20.00	20.00	18.06	1.94	10.328	
400.00	400.00	400.20	400.00	1.33	1.33	-90.49	-0.17	-20.00	20.00	17.35	2.65	7.538	
416.60	416.60	416.80	416.60	1.39	1.39	-90.49	-0.17	-20.00	20.00	17.23	2.77	7.214	CC
500.00	500.00	500.00	499.80	1.68	1.68	-90.49	-0.17	-20.00	20.00	16.63	3.37	5.936	ES
600.00	599.98	599.39	599.17	2.03	2.03	176.98	-0.26	-21.72	23.48	19.41	4.07	5.771	SF
700.00	699.84	697.86	697.50	2.38	2.38	177.07	-0.51	-26.82	33.87	29.11	4.76	7.117	
800.00	799.45	794.93	794.21	2.74	2.72	177.13	-0.92	-35.15	51.10	45.65	5.45	9.377	
900.00	898.76	891.09	889.71	3.09	3.06	177.17	-1.47	-46.33	74.30	68.16	6.14	12.106	
1,000.00	998.01	988.13	986.03	3.45	3.40	177.20	-2.06	-58.13	98.47	91.64	6.82	14.429	
1,100.00	1,097.26	1,085.16	1,082.34	3.81	3.75	177.21	-2.64	-69.94	122.63	115.12	7.52	16.315	
1,200.00	1,196.52	1,182.20	1,178.65	4.17	4.10	177.22	-3.23	-81.75	146.80	138.59	8.21	17.877	
1,300.00	1,295.77	1,279.24	1,274.97	4.53	4.46	177.23	-3.81	-93.55	170.97	162.05	8.91	19.183	
1,400.00	1,395.03	1,376.27	1,371.28	4.89	4.81	177.23	-4.40	-105.36	195.13	185.52	9.61	20.295	
1,500.00	1,494.28	1,473.31	1,467.59	5.26	5.16	177.24	-4.98	-117.17	219.30	208.98	10.32	21.252	
1,600.00	1,593.53	1,570.34	1,563.91	5.62	5.52	177.24	-5.57	-128.97	243.47	232.44	11.03	22.082	
1,700.00	1,692.79	1,667.38	1,660.22	5.99	5.87	177.24	-6.15	-140.78	267.63	255.90	11.73	22.811	
1,800.00	1,792.04	1,764.42	1,756.53	6.35	6.23	177.25	-6.73	-152.59	291.80	279.36	12.44	23.454	
1,900.00	1,891.30	1,861.45	1,852.85	6.72	6.58	177.25	-7.32	-164.39	315.96	302.81	13.15	24.026	
2,000.00	1,990.55	1,958.49	1,949.16	7.09	6.94	177.25	-7.90	-176.20	340.13	326.27	13.86	24.538	
2,100.00	2,089.80	2,055.52	2,045.47	7.45	7.29	177.25	-8.49	-188.01	364.30	349.73	14.57	24.999	
2,200.00	2,189.06	2,152.56	2,141.79	7.82	7.65	177.25	-9.07	-199.82	388.46	373.18	15.28	25.416	
2,300.00	2,288.31	2,249.60	2,238.10	8.19	8.01	177.25	-9.66	-211.62	412.63	396.63	16.00	25.796	
2,400.00	2,387.57	2,346.63	2,334.41	8.55	8.36	177.25	-10.24	-223.43	436.80	420.09	16.71	26.142	
2,500.00	2,486.82	2,443.67	2,430.73	8.92	8.72	177.26	-10.83	-235.24	460.96	443.54	17.42	26.459	
2,600.00	2,586.07	2,540.70	2,527.04	9.29	9.08	177.26	-11.41	-247.04	485.13	466.99	18.14	26.750	
2,700.00	2,685.33	2,637.74	2,623.35	9.66	9.43	177.26	-11.99	-258.85	509.30	490.45	18.85	27.020	
2,800.00	2,784.58	2,734.78	2,719.67	10.02	9.79	177.26	-12.58	-270.66	533.46	513.90	19.56	27.269	
2,900.00	2,883.84	2,831.81	2,815.98	10.39	10.15	177.26	-13.16	-282.46	557.63	537.35	20.28	27.500	
3,000.00	2,983.09	2,928.85	2,912.29	10.76	10.51	177.26	-13.75	-294.27	581.79	560.80	20.99	27.715	
3,100.00	3,082.34	3,025.88	3,008.61	11.13	10.86	177.26	-14.33	-306.08	605.96	584.25	21.71	27.915	
3,200.00	3,181.60	3,122.92	3,104.92	11.50	11.22	177.26	-14.92	-317.88	630.13	607.70	22.42	28.103	
3,300.00	3,280.85	3,219.96	3,201.23	11.86	11.58	177.26	-15.50	-329.69	654.29	631.16	23.14	28.279	
3,400.00	3,380.11	3,316.99	3,297.55	12.23	11.94	177.26	-16.09	-341.50	678.46	654.61	23.85	28.444	
3,500.00	3,479.36	3,414.03	3,393.86	12.60	12.29	177.26	-16.67	-353.30	702.63	678.06	24.57	28.599	
3,600.00	3,578.61	3,511.06	3,490.17	12.97	12.65	177.26	-17.26	-365.11	726.79	701.51	25.28	28.745	
3,700.00	3,677.87	3,608.10	3,586.49	13.34	13.01	177.26	-17.84	-376.92	750.96	724.96	26.00	28.883	
3,800.00	3,777.12	3,705.14	3,682.80	13.70	13.37	177.26	-18.42	-388.72	775.12	748.41	26.72	29.013	
3,900.00	3,876.38	3,802.17	3,779.11	14.07	13.73	177.26	-19.01	-400.53	799.29	771.86	27.43	29.137	
4,000.00	3,975.63	3,899.21	3,875.43	14.44	14.08	177.26	-19.59	-412.34	823.46	795.31	28.15	29.254	
4,100.00	4,074.88	3,996.24	3,971.74	14.81	14.44	177.26	-20.18	-424.14	847.62	818.76	28.86	29.365	
4,200.00	4,174.14	4,093.28	4,068.05	15.18	14.80	177.26	-20.76	-435.95	871.79	842.21	29.58	29.471	
4,300.00	4,273.39	4,190.32	4,164.37	15.55	15.16	177.26	-21.35	-447.76	895.96	865.66	30.30	29.571	
4,400.00	4,372.65	4,287.35	4,260.68	15.91	15.52	177.26	-21.93	-459.56	920.12	889.11	31.02	29.667	
4,500.00	4,471.90	4,384.39	4,356.99	16.28	15.87	177.26	-22.52	-471.37	944.29	912.56	31.73	29.758	
4,600.00	4,571.15	4,481.42	4,453.31	16.65	16.23	177.26	-23.10	-483.18	968.45	936.01	32.45	29.845	
4,700.00	4,670.41	4,578.46	4,549.62	17.02	16.59	177.26	-23.69	-494.98	992.62	959.46	33.17	29.929	
4,800.00	4,769.66	4,675.50	4,645.93	17.39	16.95	177.26	-24.27	-506.79	1,016.79	982.90	33.88	30.008	
4,900.00	4,868.92	4,772.53	4,742.25	17.76	17.31	177.26	-24.85	-518.60	1,040.95	1,006.35	34.60	30.085	
5,000.00	4,968.24	4,869.71	4,838.70	18.13	17.66	177.28	-25.44	-530.42	1,064.55	1,029.23	35.32	30.142	

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

Total Directional Anticollision Report



Company:	Coterra Energy	Local Co-ordinate Reference:	Well Bridge State Com 222H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Reference Site:	Bridge State Com Pad	MD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bridge State Com 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design: Bridge State Com Pad - Bridge State Com 221H - OH - Plan #1

Survey Program: 0-MWD+IFR1+MS		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	Offset Site Error:
Reference	Vertical	Measured	Vertical	Reference	Offset		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				Offset Well Error:
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	(usft)	(usft)									0.00 usft
5,100.00	5,067.87	4,967.58	4,935.84	18.49	18.03	177.29	-26.03	-542.33	1,085.05	1,049.02	36.03	30.112		
5,200.00	5,167.75	5,066.10	5,033.63	18.85	18.39	177.29	-26.62	-554.32	1,102.13	1,065.38	36.75	29.991		
5,300.00	5,267.73	5,165.16	5,131.95	19.19	18.75	-90.15	-27.22	-566.37	1,115.77	1,078.31	37.45	29.791		
5,400.00	5,367.73	5,264.42	5,230.47	19.53	19.12	-90.17	-27.82	-578.45	1,127.94	1,089.78	38.15	29.565		
5,500.00	5,467.73	5,363.67	5,328.98	19.86	19.49	-90.20	-28.41	-590.52	1,140.10	1,101.25	38.85	29.346		
5,600.00	5,567.73	5,462.93	5,427.50	20.20	19.85	-90.23	-29.01	-602.60	1,152.27	1,112.72	39.55	29.134		
5,700.00	5,667.73	5,562.18	5,526.01	20.54	20.22	-90.26	-29.61	-614.68	1,164.44	1,124.19	40.25	28.929		
5,800.00	5,767.73	5,661.44	5,624.53	20.88	20.59	-90.28	-30.21	-626.75	1,176.61	1,135.66	40.95	28.730		
5,900.00	5,867.73	5,760.69	5,723.05	21.22	20.95	-90.31	-30.81	-638.83	1,188.79	1,147.13	41.66	28.538		
6,000.00	5,967.73	5,859.95	5,821.56	21.56	21.32	-90.34	-31.40	-650.91	1,200.96	1,158.60	42.36	28.351		
6,100.00	6,067.73	5,959.20	5,920.08	21.90	21.69	-90.36	-32.00	-662.98	1,213.13	1,170.06	43.06	28.170		
6,200.00	6,167.73	6,058.46	6,018.59	22.24	22.05	-90.39	-32.60	-675.06	1,225.30	1,181.53	43.77	27.995		
6,300.00	6,267.73	6,157.71	6,117.11	22.58	22.42	-90.41	-33.20	-687.14	1,237.47	1,193.00	44.47	27.825		
6,400.00	6,367.73	6,280.17	6,238.72	22.93	22.87	-90.44	-33.91	-701.55	1,249.36	1,204.03	45.33	27.559		
6,500.00	6,467.73	6,457.35	6,415.40	23.27	23.51	-90.46	-34.55	-714.38	1,256.61	1,210.16	46.46	27.049		
6,600.00	6,567.73	6,609.72	6,567.73	23.61	24.04	-90.47	-34.67	-716.87	1,258.01	1,210.67	47.34	26.576		
6,700.00	6,667.73	6,709.72	6,667.73	23.96	24.37	-90.47	-34.67	-716.87	1,258.01	1,210.00	48.01	26.202		
6,800.00	6,767.73	6,809.72	6,767.73	24.30	24.71	-90.47	-34.67	-716.87	1,258.01	1,209.32	48.69	25.837		
6,900.00	6,867.73	6,909.72	6,867.73	24.65	25.04	-90.47	-34.67	-716.87	1,258.01	1,208.64	49.37	25.483		
7,000.00	6,967.73	7,009.72	6,967.73	24.99	25.38	-90.47	-34.67	-716.87	1,258.01	1,207.97	50.05	25.137		
7,100.00	7,067.73	7,109.72	7,067.73	25.34	25.72	-90.47	-34.67	-716.87	1,258.01	1,207.29	50.73	24.800		
7,200.00	7,167.73	7,209.72	7,167.73	25.68	26.05	-90.47	-34.67	-716.87	1,258.01	1,206.60	51.41	24.472		
7,300.00	7,267.73	7,309.72	7,267.73	26.03	26.39	-90.47	-34.67	-716.87	1,258.01	1,205.92	52.09	24.151		
7,400.00	7,367.73	7,409.72	7,367.73	26.38	26.73	-90.47	-34.67	-716.87	1,258.01	1,205.24	52.77	23.839		
7,500.00	7,467.73	7,509.72	7,467.73	26.73	27.07	-90.47	-34.67	-716.87	1,258.01	1,204.56	53.46	23.534		
7,600.00	7,567.73	7,609.72	7,567.73	27.07	27.41	-90.47	-34.67	-716.87	1,258.01	1,203.87	54.14	23.236		
7,700.00	7,667.73	7,709.72	7,667.73	27.42	27.75	-90.47	-34.67	-716.87	1,258.01	1,203.19	54.83	22.946		
7,800.00	7,767.73	7,809.72	7,767.73	27.77	28.09	-90.47	-34.67	-716.87	1,258.01	1,202.50	55.51	22.662		
7,900.00	7,867.73	7,909.72	7,867.73	28.12	28.43	-90.47	-34.67	-716.87	1,258.01	1,201.81	56.20	22.385		
8,000.00	7,967.73	8,009.72	7,967.73	28.47	28.77	-90.47	-34.67	-716.87	1,258.01	1,201.13	56.89	22.114		
8,100.00	8,067.73	8,109.72	8,067.73	28.81	29.12	-90.47	-34.67	-716.87	1,258.01	1,200.44	57.58	21.850		
8,200.00	8,167.73	8,209.72	8,167.73	29.16	29.46	-90.47	-34.67	-716.87	1,258.01	1,199.75	58.26	21.591		
8,300.00	8,267.73	8,309.72	8,267.73	29.51	29.80	-90.47	-34.67	-716.87	1,258.01	1,199.06	58.95	21.339		
8,400.00	8,367.73	8,409.72	8,367.73	29.86	30.14	-90.47	-34.67	-716.87	1,258.01	1,198.37	59.64	21.092		
8,500.00	8,467.73	8,509.72	8,467.73	30.21	30.49	-90.47	-34.67	-716.87	1,258.01	1,197.68	60.34	20.850		
8,600.00	8,567.73	8,609.72	8,567.73	30.56	30.83	-90.47	-34.67	-716.87	1,258.01	1,196.98	61.03	20.614		
8,700.00	8,667.73	8,709.72	8,667.73	30.91	31.18	-90.47	-34.67	-716.87	1,258.01	1,196.29	61.72	20.383		
8,800.00	8,767.73	8,809.72	8,767.73	31.26	31.52	-90.47	-34.67	-716.87	1,258.01	1,195.60	62.41	20.156		
8,900.00	8,867.73	8,909.72	8,867.73	31.61	31.87	-90.47	-34.67	-716.87	1,258.01	1,194.91	63.11	19.935		
9,000.00	8,967.73	9,009.72	8,967.73	31.96	32.21	-90.47	-34.67	-716.87	1,258.01	1,194.21	63.80	19.718		
9,100.00	9,067.73	9,109.72	9,067.73	32.32	32.56	-90.47	-34.67	-716.87	1,258.01	1,193.52	64.49	19.506		
9,200.00	9,167.73	9,209.72	9,167.73	32.67	32.90	-90.47	-34.67	-716.87	1,258.01	1,192.82	65.19	19.298		
9,300.00	9,267.73	9,309.72	9,267.73	33.02	33.25	-90.47	-34.67	-716.87	1,258.01	1,192.13	65.88	19.094		
9,400.00	9,367.73	9,409.72	9,367.73	33.37	33.60	-90.47	-34.67	-716.87	1,258.01	1,191.43	66.58	18.895		
9,500.00	9,467.73	9,509.72	9,467.73	33.72	33.94	-90.47	-34.67	-716.87	1,258.01	1,190.74	67.28	18.699		
9,500.23	9,467.96	9,509.95	9,467.96	33.72	33.94	-90.47	-34.67	-716.87	1,258.01	1,190.73	67.28	18.699		
9,600.00	9,567.70	9,609.69	9,567.67	34.07	34.29	91.18	-36.13	-716.86	1,258.04	1,190.08	67.96	18.510		
9,700.00	9,666.32	9,709.61	9,666.21	34.39	34.61	91.15	-51.88	-716.74	1,258.37	1,189.75	68.62	18.338		
9,800.00	9,760.71	9,809.53	9,760.52	34.70	34.92	91.08	-84.49	-716.48	1,259.06	1,189.81	69.25	18.182		
9,900.00	9,848.01	9,909.44	9,847.74	34.98	35.19	90.98	-132.96	-716.10	1,260.08	1,190.25	69.84	18.043		
10,000.00	9,925.55	10,009.35	9,925.22	35.21	35.42	90.85	-195.83	-715.61	1,261.41	1,191.04	70.38	17.924		
10,100.00	9,990.98	10,109.26	9,990.63	35.42	35.62	90.69	-271.19	-715.02	1,263.00	1,192.15	70.86	17.825		

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

Total Directional Anticollision Report



Company:	Coterra Energy	Local Co-ordinate Reference:	Well Bridge State Com 222H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Reference Site:	Bridge State Com Pad	MD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bridge State Com 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design: Bridge State Com Pad - Bridge State Com 221H - OH - Plan #1

Survey Program:		0-MWD+IFR1+MS		Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Minimum Separation		Separation		Warning	
Measured	Vertical	Measured	Vertical	Reference	Offset	Toolface		+N/-S	+E/-W	Between	Between	Separation	Factor				
Depth	Depth	Depth	Depth	(usft)	(usft)	(°)		(usft)	(usft)	Centres	Ellipses	(usft)					
(usft)	(usft)	(usft)	(usft)							(usft)	(usft)						
10,200.00	10,042.31	10,209.17	10,041.96	35.60	35.80	90.51		-356.76	-714.35	1,264.81	1,193.54	71.27	17.747				
10,300.00	10,077.99	10,309.09	10,077.67	35.77	35.96	90.32		-449.93	-713.62	1,266.77	1,195.16	71.61	17.689				
10,400.00	10,096.93	10,409.01	10,096.68	35.91	36.11	90.11		-547.91	-712.85	1,268.84	1,196.96	71.88	17.652				
10,500.00	10,100.00	10,508.97	10,099.80	36.02	36.23	89.99		-647.75	-712.07	1,270.94	1,198.86	72.08	17.633				
10,600.00	10,100.00	10,608.95	10,099.80	36.14	36.35	89.99		-747.72	-711.29	1,273.05	1,200.76	72.29	17.610				
10,700.00	10,100.00	10,708.92	10,099.80	36.28	36.49	89.99		-847.70	-710.51	1,275.16	1,202.62	72.53	17.580				
10,800.00	10,100.00	10,808.90	10,099.80	36.42	36.65	89.99		-947.67	-709.72	1,277.26	1,204.46	72.81	17.543				
10,900.00	10,100.00	10,908.88	10,099.80	36.59	36.82	89.99		-1,047.65	-708.94	1,279.37	1,206.26	73.12	17.498				
11,000.00	10,100.00	11,008.86	10,099.80	36.76	37.00	89.99		-1,147.62	-708.16	1,281.48	1,208.03	73.45	17.446				
11,100.00	10,100.00	11,108.83	10,099.80	36.95	37.19	89.99		-1,247.60	-707.38	1,283.59	1,209.76	73.82	17.388				
11,200.00	10,100.00	11,208.81	10,099.80	37.16	37.40	89.99		-1,347.57	-706.59	1,285.69	1,211.47	74.22	17.323				
11,300.00	10,100.00	11,308.79	10,099.80	37.38	37.62	89.99		-1,447.55	-705.81	1,287.80	1,213.15	74.65	17.252				
11,400.00	10,100.00	11,408.77	10,099.80	37.61	37.86	89.99		-1,547.52	-705.03	1,289.91	1,214.80	75.10	17.175				
11,500.00	10,100.00	11,508.75	10,099.80	37.86	38.10	89.99		-1,647.50	-704.25	1,292.02	1,216.42	75.59	17.092				
11,600.00	10,100.00	11,608.72	10,099.80	38.12	38.37	89.99		-1,747.47	-703.46	1,294.12	1,218.02	76.10	17.005				
11,700.00	10,100.00	11,708.70	10,099.80	38.39	38.64	89.99		-1,847.45	-702.68	1,296.23	1,219.58	76.65	16.912				
11,800.00	10,100.00	11,808.68	10,099.80	38.68	38.93	89.99		-1,947.42	-701.90	1,298.34	1,221.12	77.21	16.815				
11,900.00	10,100.00	11,908.66	10,099.80	38.98	39.23	89.99		-2,047.40	-701.12	1,300.44	1,222.64	77.81	16.713				
12,000.00	10,100.00	12,008.63	10,099.80	39.29	39.54	89.99		-2,147.37	-700.33	1,302.55	1,224.12	78.43	16.608				
12,100.00	10,100.00	12,108.61	10,099.80	39.61	39.86	89.99		-2,247.34	-699.55	1,304.66	1,225.59	79.07	16.499				
12,200.00	10,100.00	12,208.59	10,099.80	39.95	40.20	89.99		-2,347.32	-698.77	1,306.77	1,227.02	79.74	16.387				
12,300.00	10,100.00	12,308.57	10,099.80	40.30	40.55	89.99		-2,447.29	-697.99	1,308.87	1,228.44	80.44	16.272				
12,400.00	10,100.00	12,408.55	10,099.80	40.66	40.91	89.99		-2,547.27	-697.20	1,310.98	1,229.83	81.15	16.154				
12,500.00	10,100.00	12,508.52	10,099.80	41.03	41.27	89.99		-2,647.24	-696.42	1,313.09	1,231.19	81.89	16.034				
12,600.00	10,100.00	12,608.50	10,099.80	41.41	41.66	89.99		-2,747.22	-695.64	1,315.19	1,232.54	82.65	15.912				
12,700.00	10,100.00	12,708.48	10,099.80	41.81	42.05	89.99		-2,847.19	-694.86	1,317.30	1,233.86	83.44	15.788				
12,800.00	10,100.00	12,808.46	10,099.80	42.21	42.45	89.99		-2,947.17	-694.07	1,319.41	1,235.17	84.24	15.662				
12,900.00	10,100.00	12,908.43	10,099.80	42.62	42.86	89.99		-3,047.14	-693.29	1,321.52	1,236.45	85.07	15.535				
13,000.00	10,100.00	13,008.41	10,099.80	43.05	43.28	89.99		-3,147.12	-692.51	1,323.62	1,237.71	85.91	15.407				
13,100.00	10,100.00	13,108.39	10,099.80	43.48	43.71	89.99		-3,247.09	-691.73	1,325.73	1,238.96	86.77	15.278				
13,200.00	10,100.00	13,208.37	10,099.80	43.92	44.15	89.99		-3,347.07	-690.94	1,327.84	1,240.18	87.65	15.149				
13,300.00	10,100.00	13,308.35	10,099.80	44.37	44.60	89.99		-3,447.04	-690.16	1,329.95	1,241.39	88.55	15.019				
13,400.00	10,100.00	13,408.32	10,099.80	44.83	45.05	89.99		-3,547.02	-689.38	1,332.05	1,242.58	89.47	14.888				
13,500.00	10,100.00	13,508.30	10,099.80	45.30	45.52	89.99		-3,646.99	-688.60	1,334.16	1,243.76	90.40	14.758				
13,600.00	10,100.00	13,608.28	10,099.80	45.77	45.99	89.99		-3,746.97	-687.81	1,336.27	1,244.91	91.35	14.627				
13,700.00	10,100.00	13,708.26	10,099.80	46.26	46.47	89.99		-3,846.94	-687.03	1,338.37	1,246.05	92.32	14.497				
13,800.00	10,100.00	13,808.23	10,099.80	46.75	46.96	89.99		-3,946.92	-686.25	1,340.48	1,247.18	93.30	14.367				
13,900.00	10,100.00	13,908.21	10,099.80	47.25	47.45	89.99		-4,046.89	-685.47	1,342.59	1,248.29	94.30	14.238				
14,000.00	10,100.00	14,008.19	10,099.80	47.76	47.96	89.99		-4,146.86	-684.68	1,344.70	1,249.39	95.31	14.109				
14,100.00	10,100.00	14,108.17	10,099.80	48.27	48.47	89.99		-4,246.84	-683.90	1,346.80	1,250.47	96.33	13.981				
14,200.00	10,100.00	14,208.15	10,099.80	48.79	48.98	89.99		-4,346.81	-683.12	1,348.91	1,251.54	97.37	13.853				
14,300.00	10,100.00	14,308.12	10,099.80	49.32	49.51	89.99		-4,446.79	-682.34	1,351.02	1,252.59	98.42	13.727				
14,400.00	10,100.00	14,408.10	10,099.80	49.85	50.04	89.99		-4,546.76	-681.55	1,353.13	1,253.64	99.49	13.601				
14,500.00	10,100.00	14,508.08	10,099.80	50.39	50.57	89.99		-4,646.74	-680.77	1,355.23	1,254.67	100.56	13.476				
14,600.00	10,100.00	14,608.06	10,099.80	50.93	51.11	89.99		-4,746.71	-679.99	1,357.34	1,255.69	101.65	13.353				
14,700.00	10,100.00	14,708.03	10,099.80	51.48	51.66	89.99		-4,846.69	-679.21	1,359.45	1,256.69	102.75	13.230				
14,800.00	10,100.00	14,808.01	10,099.80	52.04	52.21	89.99		-4,946.66	-678.42	1,361.55	1,257.69	103.86	13.109				
14,900.00	10,100.00	14,907.99	10,099.80	52.60	52.77	89.99		-5,046.64	-677.64	1,363.66	1,258.68	104.99	12.989				
15,000.00	10,100.00	15,007.97	10,099.80	53.17	53.33	89.99		-5,146.61	-676.86	1,365.77	1,259.65	106.12	12.870				
15,100.00	10,100.00	15,107.95	10,099.80	53.74	53.90	89.99		-5,246.59	-676.07	1,367.88	1,260.62	107.26	12.753				
15,200.00	10,100.00	15,207.92	10,099.80	54.32	54.48	89.99		-5,346.56	-675.29	1,369.98	1,261.57	108.41	12.637				
15,300.00	10,100.00	15,307.90	10,099.80	54.90	55.05	89.99		-5,446.54	-674.51	1,372.09	1,262.52	109.57	12.522				

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

Total Directional Anticollision Report



Company:	Coterra Energy	Local Co-ordinate Reference:	Well Bridge State Com 222H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Reference Site:	Bridge State Com Pad	MD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bridge State Com 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design: Bridge State Com Pad - Bridge State Com 221H - OH - Plan #1

Survey Program:		0-MWD+IFR1+MS		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Offset Site Error:
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	+N/-S	+E/-W	Between	Between	Minimum	Separation
Depth	Depth	Depth	Depth	(usft)	(usft)	Tooface	(usft)	(usft)	Centres	Ellipses	Separation	Factor
(usft)	(usft)	(usft)	(usft)			(")			(usft)	(usft)	(usft)	
15,400.00	10,100.00	15,407.88	10,099.80	55.49	55.64	89.99	-5,546.51	-673.73	1,374.20	1,263.45	110.75	12.409
15,500.00	10,100.00	15,507.86	10,099.80	56.08	56.22	89.99	-5,646.49	-672.94	1,376.30	1,264.38	111.93	12.297
15,600.00	10,100.00	15,607.83	10,099.80	56.67	56.81	89.99	-5,746.46	-672.16	1,378.41	1,265.30	113.11	12.186
15,700.00	10,100.00	15,707.81	10,099.80	57.27	57.41	89.99	-5,846.44	-671.38	1,380.52	1,266.21	114.31	12.077
15,800.00	10,100.00	15,807.79	10,099.80	57.87	58.01	89.99	-5,946.41	-670.60	1,382.63	1,267.11	115.52	11.969
15,900.00	10,100.00	15,907.77	10,099.80	58.48	58.61	89.99	-6,046.38	-669.81	1,384.73	1,268.00	116.73	11.863
16,000.00	10,100.00	16,007.75	10,099.80	59.09	59.22	89.99	-6,146.36	-669.03	1,386.84	1,268.89	117.95	11.758
16,100.00	10,100.00	16,107.72	10,099.80	59.71	59.83	89.99	-6,246.33	-668.25	1,388.95	1,269.77	119.18	11.654
16,200.00	10,100.00	16,207.70	10,099.80	60.33	60.45	89.99	-6,346.31	-667.47	1,391.06	1,270.64	120.41	11.552
16,300.00	10,100.00	16,307.68	10,099.80	60.95	61.06	89.99	-6,446.28	-666.68	1,393.16	1,271.51	121.65	11.452
16,400.00	10,100.00	16,407.66	10,099.80	61.57	61.68	89.99	-6,546.26	-665.90	1,395.27	1,272.37	122.90	11.353
16,500.00	10,100.00	16,507.64	10,099.80	62.20	62.31	89.99	-6,646.23	-665.12	1,397.38	1,273.22	124.16	11.255
16,600.00	10,100.00	16,607.61	10,099.80	62.83	62.94	89.99	-6,746.21	-664.34	1,399.48	1,274.06	125.42	11.158
16,700.00	10,100.00	16,707.59	10,099.80	63.47	63.57	89.99	-6,846.18	-663.55	1,401.59	1,274.90	126.69	11.063
16,800.00	10,100.00	16,807.57	10,099.80	64.11	64.20	89.99	-6,946.16	-662.77	1,403.70	1,275.74	127.96	10.970
16,900.00	10,100.00	16,907.55	10,099.80	64.75	64.84	89.99	-7,046.13	-661.99	1,405.81	1,276.57	129.24	10.877
17,000.00	10,100.00	17,007.52	10,099.80	65.39	65.48	89.99	-7,146.11	-661.21	1,407.91	1,277.39	130.53	10.787
17,100.00	10,100.00	17,107.50	10,099.80	66.04	66.12	89.99	-7,246.08	-660.42	1,410.02	1,278.20	131.82	10.697
17,200.00	10,100.00	17,207.48	10,099.80	66.68	66.77	89.99	-7,346.06	-659.64	1,412.13	1,279.02	133.11	10.609
17,300.00	10,100.00	17,307.46	10,099.80	67.34	67.41	89.99	-7,446.03	-658.86	1,414.23	1,279.82	134.41	10.522
17,400.00	10,100.00	17,407.44	10,099.80	67.99	68.06	89.99	-7,546.01	-658.08	1,416.34	1,280.62	135.72	10.436
17,500.00	10,100.00	17,507.41	10,099.80	68.65	68.72	89.99	-7,645.98	-657.29	1,418.45	1,281.42	137.03	10.351
17,600.00	10,100.00	17,607.39	10,099.80	69.31	69.37	89.99	-7,745.96	-656.51	1,420.56	1,282.21	138.34	10.268
17,700.00	10,100.00	17,707.37	10,099.80	69.97	70.03	89.99	-7,845.93	-655.73	1,422.66	1,283.00	139.66	10.186
17,800.00	10,100.00	17,807.35	10,099.80	70.63	70.69	89.99	-7,945.90	-654.95	1,424.77	1,283.78	140.99	10.106
17,900.00	10,100.00	17,907.32	10,099.80	71.29	71.35	89.99	-8,045.88	-654.16	1,426.88	1,284.56	142.32	10.026
18,000.00	10,100.00	18,007.30	10,099.80	71.96	72.01	89.99	-8,145.85	-653.38	1,428.99	1,285.33	143.65	9.948
18,100.00	10,100.00	18,107.28	10,099.80	72.63	72.68	89.99	-8,245.83	-652.60	1,431.09	1,286.10	144.99	9.870
18,200.00	10,100.00	18,207.26	10,099.80	73.30	73.35	89.99	-8,345.80	-651.82	1,433.20	1,286.87	146.33	9.794
18,300.00	10,100.00	18,307.24	10,099.80	73.98	74.02	89.99	-8,445.78	-651.03	1,435.31	1,287.63	147.67	9.719
18,400.00	10,100.00	18,407.21	10,099.80	74.65	74.69	89.99	-8,545.75	-650.25	1,437.41	1,288.39	149.02	9.646
18,500.00	10,100.00	18,507.19	10,099.80	75.33	75.36	89.99	-8,645.73	-649.47	1,439.52	1,289.15	150.38	9.573
18,600.00	10,100.00	18,607.17	10,099.80	76.01	76.04	89.99	-8,745.70	-648.69	1,441.63	1,289.90	151.73	9.501
18,700.00	10,100.00	18,707.15	10,099.80	76.69	76.71	89.99	-8,845.68	-647.90	1,443.74	1,290.65	153.09	9.431
18,800.00	10,100.00	18,807.12	10,099.80	77.37	77.39	89.99	-8,945.65	-647.12	1,445.84	1,291.39	154.45	9.361
18,900.00	10,100.00	18,907.10	10,099.80	78.06	78.07	89.99	-9,045.63	-646.34	1,447.95	1,292.13	155.82	9.292
19,000.00	10,100.00	19,007.08	10,099.80	78.74	78.76	89.99	-9,145.60	-645.56	1,450.06	1,292.87	157.19	9.225
19,100.00	10,100.00	19,107.06	10,099.80	79.43	79.44	89.99	-9,245.58	-644.77	1,452.17	1,293.60	158.56	9.158
19,200.00	10,100.00	19,207.04	10,099.80	80.12	80.12	89.99	-9,345.55	-643.99	1,454.27	1,294.34	159.94	9.093
19,300.00	10,100.00	19,307.01	10,099.80	80.81	80.81	89.99	-9,445.53	-643.21	1,456.38	1,295.06	161.31	9.028
19,400.00	10,100.00	19,406.99	10,099.80	81.50	81.50	89.99	-9,545.50	-642.43	1,458.49	1,295.79	162.70	8.964
19,500.00	10,100.00	19,506.97	10,099.80	82.19	82.19	89.99	-9,645.47	-641.64	1,460.59	1,296.51	164.08	8.902
19,600.00	10,100.00	19,606.95	10,099.80	82.89	82.88	89.99	-9,745.45	-640.86	1,462.70	1,297.23	165.47	8.840
19,700.00	10,100.00	19,706.92	10,099.80	83.58	83.57	89.99	-9,845.42	-640.08	1,464.81	1,297.95	166.86	8.779
19,800.00	10,100.00	19,806.90	10,099.80	84.28	84.27	89.99	-9,945.40	-639.30	1,466.92	1,298.67	168.25	8.719
19,900.00	10,100.00	19,906.88	10,099.80	84.98	84.96	89.99	-10,045.37	-638.51	1,469.02	1,299.38	169.64	8.659
20,000.00	10,100.00	20,006.86	10,099.80	85.68	85.66	89.99	-10,145.35	-637.73	1,471.13	1,300.09	171.04	8.601
20,100.00	10,100.00	20,106.84	10,099.80	86.38	86.35	89.99	-10,245.32	-636.95	1,473.24	1,300.80	172.44	8.543
20,200.00	10,100.00	20,206.81	10,099.80	87.08	87.05	89.99	-10,345.30	-636.17	1,475.34	1,301.50	173.84	8.487
20,300.00	10,100.00	20,306.79	10,099.80	87.78	87.75	89.99	-10,445.27	-635.38	1,477.45	1,302.21	175.25	8.431
20,400.00	10,100.00	20,406.77	10,099.80	88.49	88.45	89.99	-10,545.25	-634.60	1,479.56	1,302.91	176.65	8.376
20,500.00	10,100.00	20,506.75	10,099.80	89.19	89.16	89.99	-10,645.22	-633.82	1,481.67	1,303.61	178.06	8.321

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

Total Directional Anticollision Report



Company:	Coterra Energy	Local Co-ordinate Reference:	Well Bridge State Com 222H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Reference Site:	Bridge State Com Pad	MD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bridge State Com 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design: Bridge State Com Pad - Bridge State Com 221H - OH - Plan #1

Survey Program: 0-MWD+IFR1+MS		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	Offset Site Error:
Reference	Vertical	Measured	Vertical	Reference	Offset		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				Offset Well Error:
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	(usft)	(usft)									0.00 usft
20,600.00	10,100.00	20,606.72	10,099.80	89.90	89.86	89.99	-10,745.20	-633.04	1,483.77	1,304.30	179.47	8.267		
20,700.00	10,100.00	20,706.70	10,099.80	90.61	90.56	89.99	-10,845.17	-632.25	1,485.88	1,305.00	180.88	8.215		
20,800.00	10,100.00	20,806.68	10,099.80	91.32	91.27	89.99	-10,945.15	-631.47	1,487.99	1,305.69	182.30	8.162		
20,900.00	10,100.00	20,906.66	10,099.80	92.03	91.97	89.99	-11,045.12	-630.69	1,490.10	1,306.38	183.72	8.111		
21,000.00	10,100.00	21,006.64	10,099.80	92.74	92.68	89.99	-11,145.10	-629.91	1,492.20	1,307.07	185.14	8.060		
21,100.00	10,100.00	21,106.61	10,099.80	93.45	93.39	89.99	-11,245.07	-629.12	1,494.31	1,307.75	186.56	8.010		
21,200.00	10,100.00	21,206.59	10,099.80	94.16	94.10	89.99	-11,345.05	-628.34	1,496.42	1,308.44	187.98	7.961		
21,300.00	10,100.00	21,306.57	10,099.80	94.87	94.81	89.99	-11,445.02	-627.56	1,498.52	1,309.12	189.40	7.912		
21,400.00	10,100.00	21,406.55	10,099.80	95.59	95.52	89.99	-11,544.99	-626.78	1,500.63	1,309.80	190.83	7.864		
21,500.00	10,100.00	21,506.53	10,099.80	96.30	96.23	89.99	-11,644.97	-625.99	1,502.74	1,310.48	192.26	7.816		
21,600.00	10,100.00	21,606.50	10,099.80	97.02	96.94	89.99	-11,744.94	-625.21	1,504.85	1,311.16	193.69	7.769		
21,700.00	10,100.00	21,706.48	10,099.80	97.74	97.66	89.99	-11,844.92	-624.43	1,506.95	1,311.83	195.12	7.723		
21,800.00	10,100.00	21,806.46	10,099.80	98.45	98.37	89.99	-11,944.89	-623.65	1,509.06	1,312.51	196.55	7.678		
21,900.00	10,100.00	21,906.44	10,099.80	99.17	99.09	89.99	-12,044.87	-622.86	1,511.17	1,313.18	197.99	7.633		
22,000.00	10,100.00	22,006.41	10,099.80	99.89	99.80	89.99	-12,144.84	-622.08	1,513.27	1,313.85	199.42	7.588		
22,100.00	10,100.00	22,106.39	10,099.80	100.61	100.52	89.99	-12,244.82	-621.30	1,515.38	1,314.52	200.86	7.544		
22,200.00	10,100.00	22,206.37	10,099.80	101.33	101.24	89.99	-12,344.79	-620.52	1,517.49	1,315.19	202.30	7.501		
22,300.00	10,100.00	22,306.35	10,099.80	102.05	101.96	89.99	-12,444.77	-619.73	1,519.60	1,315.86	203.74	7.459		
22,400.00	10,100.00	22,406.33	10,099.80	102.77	102.67	89.99	-12,544.74	-618.95	1,521.70	1,316.52	205.18	7.416		
22,500.00	10,100.00	22,506.30	10,099.80	103.50	103.39	89.99	-12,644.72	-618.17	1,523.81	1,317.19	206.63	7.375		
22,600.00	10,100.00	22,606.28	10,099.80	104.22	104.11	89.99	-12,744.69	-617.39	1,525.92	1,317.85	208.07	7.334		
22,700.00	10,100.00	22,706.26	10,099.80	104.95	104.84	89.99	-12,844.67	-616.60	1,528.03	1,318.51	209.52	7.293		
22,800.00	10,100.00	22,806.24	10,099.80	105.67	105.56	89.99	-12,944.64	-615.82	1,530.13	1,319.17	210.96	7.253		
22,900.00	10,100.00	22,906.21	10,099.80	106.40	106.28	89.99	-13,044.62	-615.04	1,532.24	1,319.83	212.41	7.213		
23,000.00	10,100.00	23,006.19	10,099.80	107.12	107.00	89.99	-13,144.59	-614.26	1,534.35	1,320.48	213.86	7.174		
23,100.00	10,100.00	23,106.17	10,099.80	107.85	107.73	89.99	-13,244.57	-613.47	1,536.45	1,321.14	215.31	7.136		
23,200.00	10,100.00	23,206.15	10,099.80	108.58	108.45	89.99	-13,344.54	-612.69	1,538.56	1,321.79	216.77	7.098		
23,300.00	10,100.00	23,306.13	10,099.80	109.30	109.18	89.99	-13,444.51	-611.91	1,540.67	1,322.45	218.22	7.060		
23,400.00	10,100.00	23,406.10	10,099.80	110.03	109.90	89.99	-13,544.49	-611.12	1,542.78	1,323.10	219.68	7.023		
23,500.00	10,100.00	23,506.08	10,099.80	110.76	110.63	89.99	-13,644.46	-610.34	1,544.88	1,323.75	221.13	6.986		
23,600.00	10,100.00	23,606.06	10,099.80	111.49	111.35	89.99	-13,744.44	-609.56	1,546.99	1,324.40	222.59	6.950		
23,700.00	10,100.00	23,706.04	10,099.80	112.22	112.08	89.99	-13,844.41	-608.78	1,549.10	1,325.05	224.05	6.914		
23,800.00	10,100.00	23,806.01	10,099.80	112.95	112.81	89.99	-13,944.39	-607.99	1,551.21	1,325.70	225.51	6.879		
23,900.00	10,100.00	23,905.99	10,099.80	113.68	113.54	89.99	-14,044.36	-607.21	1,553.31	1,326.35	226.97	6.844		
24,000.00	10,100.00	24,005.97	10,099.80	114.42	114.27	89.99	-14,144.34	-606.43	1,555.42	1,326.99	228.43	6.809		
24,100.00	10,100.00	24,105.95	10,099.80	115.15	114.99	89.99	-14,244.31	-605.65	1,557.53	1,327.64	229.89	6.775		
24,200.00	10,100.00	24,205.93	10,099.80	115.88	115.72	89.99	-14,344.29	-604.86	1,559.63	1,328.28	231.35	6.741		
24,300.00	10,100.00	24,305.90	10,099.80	116.61	116.45	89.99	-14,444.26	-604.08	1,561.74	1,328.92	232.82	6.708		
24,400.00	10,100.00	24,405.88	10,099.80	117.35	117.19	89.99	-14,544.24	-603.30	1,563.85	1,329.56	234.28	6.675		
24,500.00	10,100.00	24,505.86	10,099.80	118.08	117.92	89.99	-14,644.21	-602.52	1,565.96	1,330.21	235.75	6.642		
24,600.00	10,100.00	24,605.84	10,099.80	118.82	118.65	89.99	-14,744.19	-601.73	1,568.06	1,330.85	237.22	6.610		
24,700.00	10,100.00	24,705.81	10,099.80	119.55	119.38	89.99	-14,844.16	-600.95	1,570.17	1,331.48	238.69	6.578		
24,800.00	10,100.00	24,805.79	10,099.80	120.29	120.11	89.99	-14,944.14	-600.17	1,572.28	1,332.12	240.15	6.547		
24,900.00	10,100.00	24,905.77	10,099.80	121.02	120.85	89.99	-15,044.11	-599.39	1,574.38	1,332.76	241.62	6.516		
25,000.00	10,100.00	25,005.75	10,099.80	121.76	121.58	89.99	-15,144.09	-598.60	1,576.49	1,333.40	243.10	6.485		
25,100.00	10,100.00	25,105.73	10,099.80	122.50	122.31	89.99	-15,244.06	-597.82	1,578.60	1,334.03	244.57	6.455		
25,200.00	10,100.00	25,205.70	10,099.80	123.24	123.05	89.99	-15,344.03	-597.04	1,580.71	1,334.67	246.04	6.425		
25,300.00	10,100.00	25,305.68	10,099.80	123.97	123.78	89.99	-15,444.01	-596.26	1,582.81	1,335.30	247.51	6.395		
25,400.00	10,100.00	25,405.66	10,099.80	124.71	124.52	89.99	-15,543.98	-595.47	1,584.92	1,335.93	248.99	6.365		
25,500.00	10,100.00	25,505.64	10,099.80	125.45	125.25	89.99	-15,643.96	-594.69	1,587.03	1,336.57	250.46	6.336		
25,546.10	10,100.00	25,550.58	10,099.80	125.79	125.58	89.99	-15,688.90	-594.34	1,588.00	1,336.87	251.13	6.323		

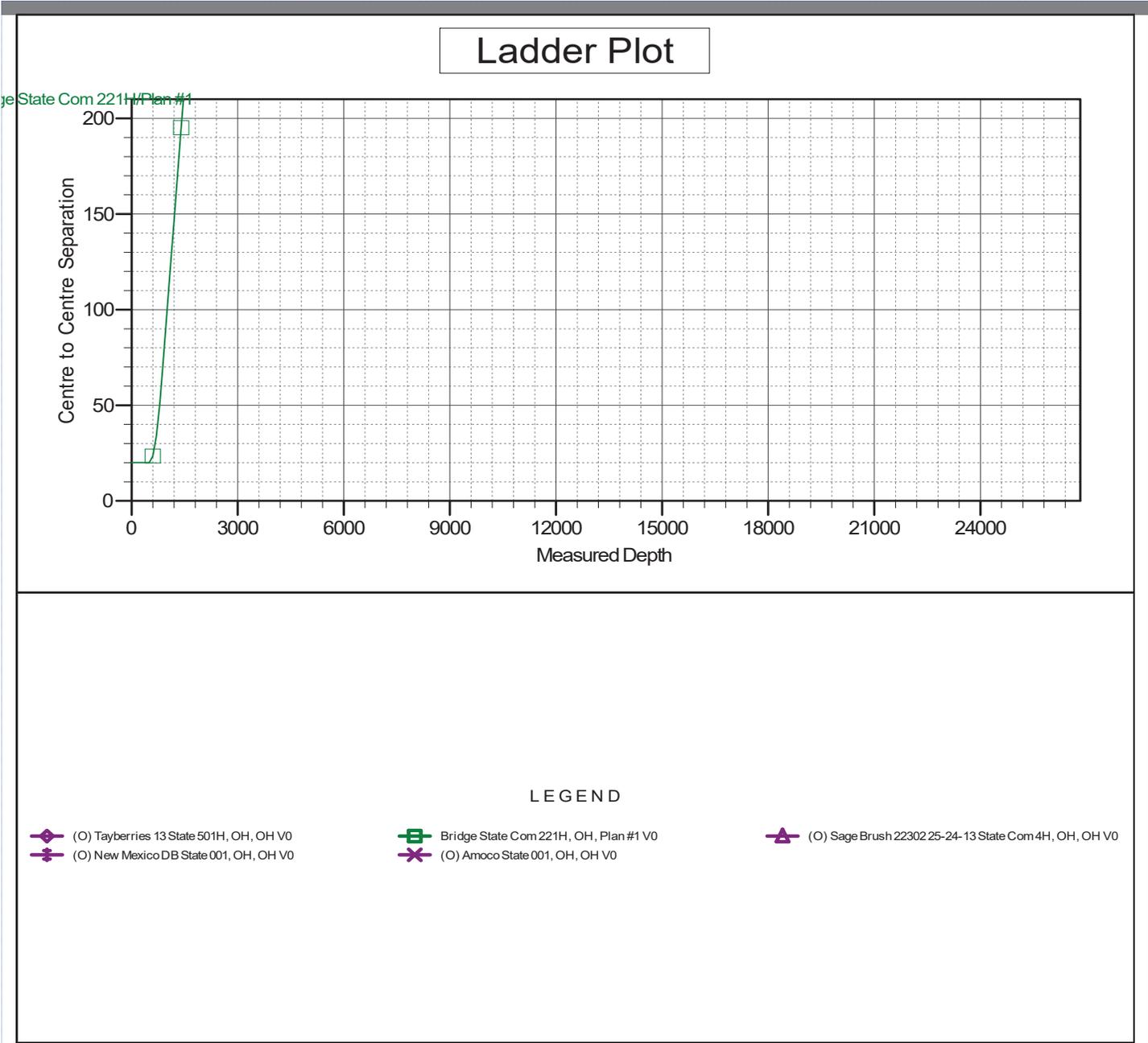
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Total Directional Anticollision Report



Company:	Coterra Energy	Local Co-ordinate Reference:	Well Bridge State Com 222H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Reference Site:	Bridge State Com Pad	MD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bridge State Com 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Reference Depths are relative to GE 3641.9' + KB 30' @ 3671.90usft (H&P 502) Coordinates are relative to: Bridge State Com 222H
 Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, New Mexico Eastern Zone
 Central Meridian is -104.3333333 Grid Convergence at Surface is: 0.50°



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

Total Directional Anticollision Report

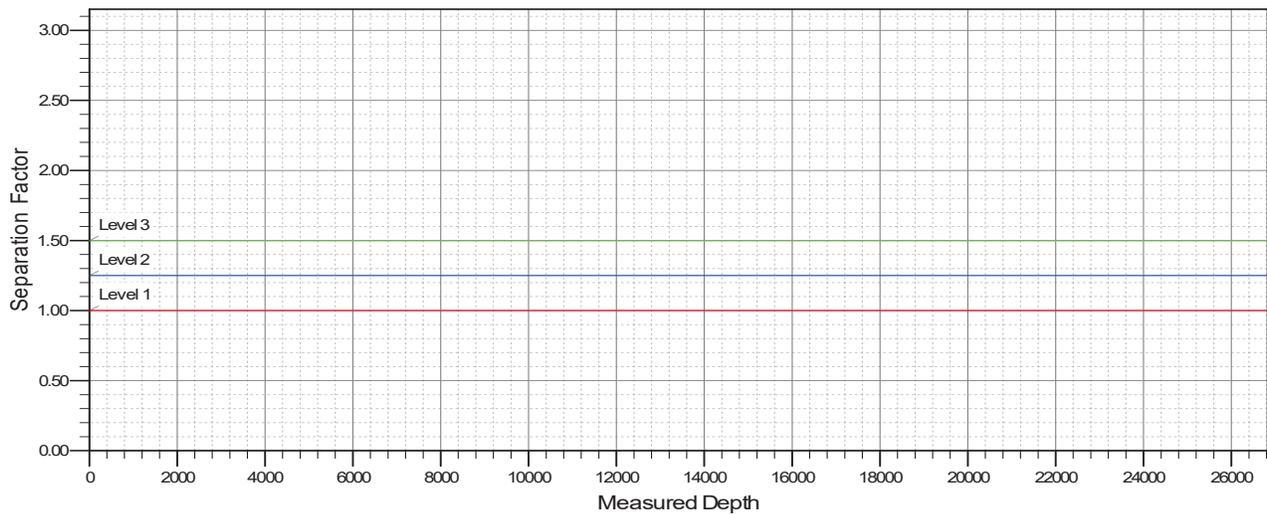


Company:	Coterra Energy	Local Co-ordinate Reference:	Well Bridge State Com 222H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Reference Site:	Bridge State Com Pad	MD Reference:	GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Bridge State Com 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Reference Depths are relative to GE 3641.9' + KB 30' @ 3671.90usft (H&P 502)
 Offset Depths are relative to Offset Datum
 Central Meridian is -104.3333333

Coordinates are relative to: Bridge State Com 222H
 Coordinate System is US State Plane 1983, New Mexico Eastern Zone
 Grid Convergence at Surface is: 0.50°

Separation Factor Plot



LEGEND

- ◆ (O) Tayberries 13 State 501H, OH, OH V0
- Bridge State Com 221H, OH, Plan #1 V0
- ▲ (O) Sage Brush 22302 25-24-13 State Com 4H, OH, OH V0
- ✱ (O) New Mexico DB State 001, OH, OH V0
- ✱ (O) Amoco State 001, OH, OH V0

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

1. Geological Formations

TVD of target 10,100
MD at TD 25,546

Pilot Hole TD N/A
Deepest expected fresh water

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone	Hazards
Rustler	1968	N/A	
Top of Salt	2267	N/A	
Base of Salt	3420	N/A	
Yates	3608	N/A	
Seven Rivers	3950	N/A	
Queen	4675	N/A	
Cherry Canyon	5766	N/A	
Brushy Canyon	6550	N/A	
Bone Spring	7995	Hydrocarbons	
1st Bone Spring Sand	9170	Hydrocarbons	
2nd Bone Spring Carbonate	9450	Hydrocarbons	
2nd Bone Spring Sand	9825	Hydrocarbons	
2nd Bone Spring Sand - Target	10100	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	2078	2078	13-3/8"	48.00	J-55	ST&C		2.64	4.34
12 1/4	0	3465	3465	9-5/8"	40.00	J-55	BT&C	1.38	2.13	4.55
8 3/4	0	9559	9559	7"	29.00	P-110	BT&C	1.87	2.45	4.60
8 3/4	9559	25546	10100	5-1/2"	20.00	P-110	BT&C	2.30	2.56	59.24
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., Bridge State Com 222H

	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 ft3/sack	H2O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surface	1007	13.50	1.72	9.15	15.5	Lead: Class C + Bentonite
	270	14.80	1.34	6.32	9.5	Tail: Class C + LCM
Intermediate	463	11.90	2.40	13.80	30	Lead: 35:65 (poz/H) + Salt + Sodium Metasilcate + Bentonite + Fluid Loss + Dispersant + LCM + Retarder
	203	14.80	1.34	6.32	9.5	Tail: Class C + LCM
Production	387	10.30	3.64	22.18		Lead: Tuned Light + LCM
	4660	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	68
Production	3265	25

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	5M	100% of working pressure
			Blind Ram		10M
			Pipe Ram	X	
			Double Ram		
			Other		
8 3/4	13 5/8	5M	Annular	5M	100% of working pressure
			Blind Ram		10M
			Pipe Ram	X	
			Double Ram	X	
			Other		

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 2078'	Fresh Water	7.83 - 8.33	28	N/C
2078' to 3465'	Brine Water	9.80 - 10.30	30-32	N/C
3465' to 25546'	Cut Brine or OBM	8.70 - 9.20	27-70	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.
	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	4831 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.	
	H2S is present
	H2S plan is attached

8. Other Facets of Operation

9. Wellhead

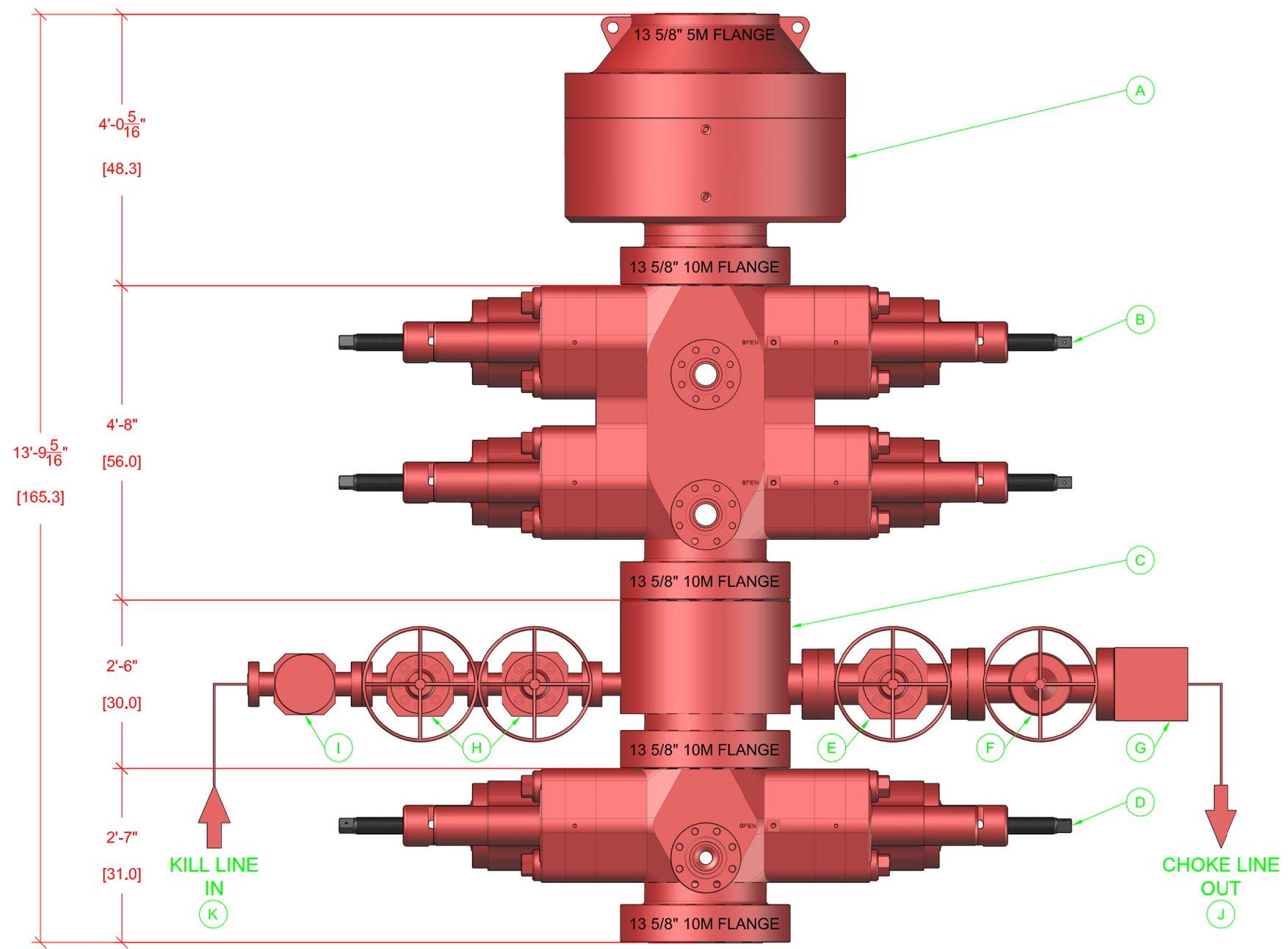
1. The multi-bowl wellhead will be installed by a vendor representative. A copy of the installation instructions has been sent to the BLM field office.
2. A packoff will be installed after running and cementing the production casing. This packoff will be tested to 10K psi.

BOPE Additional Information & Testing

1. After running the first string of casing, a 10M BOP/BOPE system with 5M annular will be installed. BOPs will be tested according to Onshore Order #2. BOPE will be tested to full rated pressure (10K for all BOPE except the annular, which is tested to 5K). For the low test, the system will be tested to 250 psi.
2. All BOP equipment will be tested utilizing a conventional test plug.
3. A remote kill line is included in the BOPE system
4. All casing strings will be tested per Onshore Order #2, to 0.22 psi/ft or 1,500 psi, whichever is greater, not to exceed 70% of casing burst.
5. If well conditions dictate, conventional slips will be set and BOPE will be tested to appropriate pressures based on permitted pressure requirements.

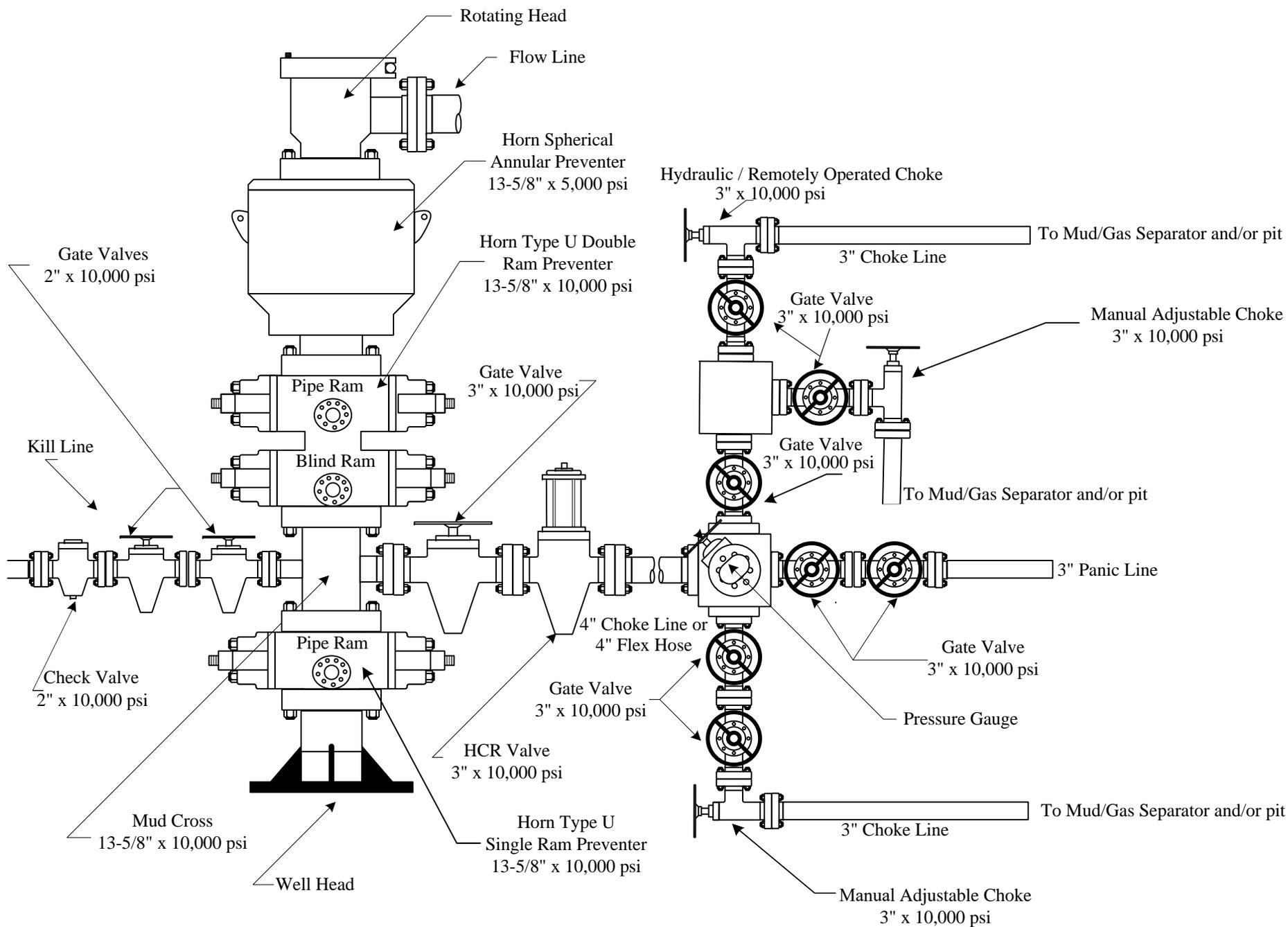
Additional Well Control Notes

1. In the event wellbore pressure encroaches to the maximum rated pressure of the annular, primary pressure control will be switched to the higher rated components (i.e., switch from annular to pipe rams) – upper pipe rams will be closed, and the annular opened in order to not exceed maximum rated pressures.



BOP EQUIPMENT INFORMATION

DESCRIPTION	MODEL	QTY	ITEM	DESCRIPTION	MODEL	QTY
ANNULAR BOP	13 5/8\" 5M	1	G	STUDDED BLOCK	4 1/2\" 10M	1
DOUBLE RAM BOP	13 5/8\" 10M TYPE-U	1	H	GATE VALE	2 1/2\" 10M FC MANUAL	2
MUD CROSS	13 5/8\" 10M	1	I	CHECK VALVE	2 1/2\" 10M	1
SINGLE RAM BOP	13 5/8\" 10M TYPE-U	1	J	CHOKE HOSE	4 1/2\" 10M	1
GATE VALVE	4 1/2\" 10M FC MANUAL	1	K	KILL HOSE	2 1/2\" 10M	1
HCR VALVE	4 1/2\" 10M HCR	1	L			





CERTIFICATE OF QUALITY

LTYY/QR-5.7.1-19B

No: LT2024-156-001

Customer Name			
Product Name	Choke And Kill Hose		
Product Specification	3"×10000psi×35ft (10.67m)	Quantity	1PCS
Serial Number	VTC-7660257	FSL	FSL3
customer number	PO890145-001	Standard	API Spec 16C 3 rd edition
Temperature Range	-29℃ ~+121℃	Inspection date	2024.09.03

Inspection Items	Inspection results
Appearance Checking	In accordance with API Spec 16C 3 rd edition
Size and Lengths	In accordance with API Spec 16C 3 rd edition
Dimensions and Tolerances	In accordance with API Spec 16C 3 rd edition
End Connections: 4-1/16"×10000psi Integral flange for sour gas service	In accordance with API Spec 6A 21 st edition
End Connections: 4-1/16"×10000psi Integral flange for sour gas service	In accordance with API Spec 17D 3 rd edition
Hydrostatic Testing	In accordance with API Spec 16C 3 rd edition
product Marking	In accordance with API Spec 16C 3 rd edition

Inspection conclusion	The inspected items meet standard requirements of API Spec 16C 3 rd edition
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Remarks	16C-0403 
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Approver	Jane C	Auditor	Alice D	Inspector	Leo W
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LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD	
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HYDROSTATIC TESTING REPORT

LTTY/QR-5.7.1-28

No: 24090301

Product Name	Choke And Kill Hose	Standard	API Spec 16C 3 rd edition
Product Specification	3"×10000psi×35ft (10.67m)	Serial Number	VTC-7660257
Inspection Equipment	MTU-BS-1600-3200-E	Test medium	Water
customer number	PO890145-001	Inspection Date	2024.08.30

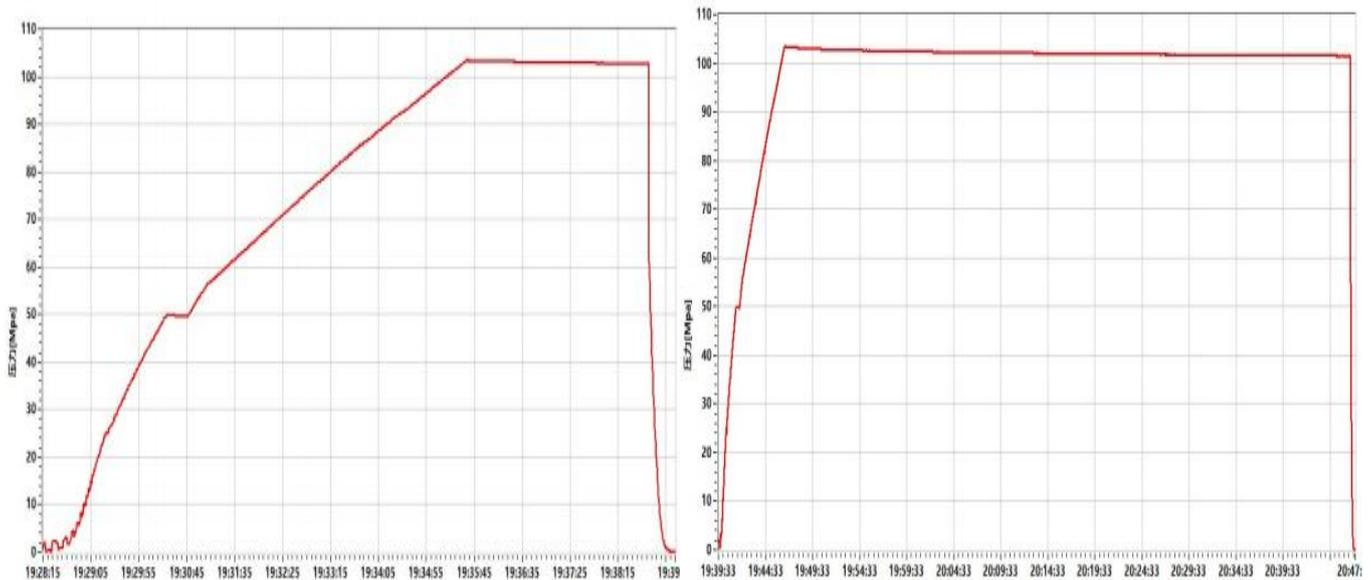
Rate of length change

Standard requirements	At working pressure ,the rate of length change should not more than ±2%
Testing result	10000psi (69.0MPa) ,Rate of length change 0.6%

Hydrostatic testing

Standard requirements	At 1.5 times working pressure, the initial pressure-holding period of not less than three minutes, the second pressure-holding period of not less than one hour, no leakage.
Testing result	15000psi (103.5MPa), 3 min for the first time, 60 min for the second time, no leakage

Graph of pressure testing:



Conclusion	The inspected items meet standard requirements of API Spec 16C 3 rd edition		16C-0403	
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Approver	Jane C	Auditor	Alice D	Inspector	Leo W
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LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD	
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CERTIFICATE OF CONFORMANCE

№:LT24090307

Product Name: Choke And Kill Hose

Product Specification: 3"×10000psi×35ft (10.67m)

Serial Number: VTC-7660257

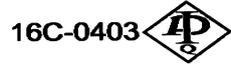
customer number: PO890145-001

End Connections: 4-1/16"×10000psi Integral flange for sour gas service

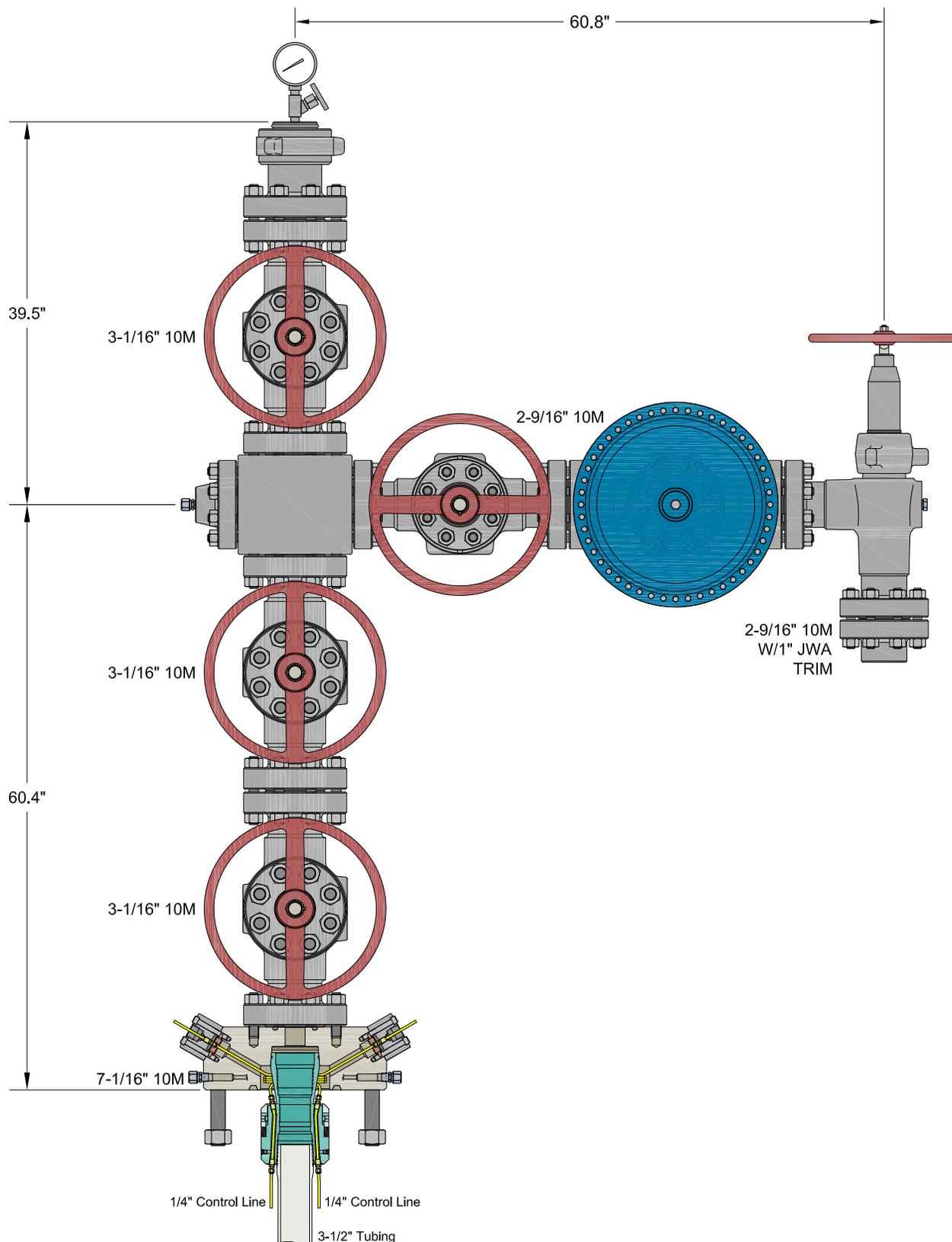
The Choke And Kill Hose assembly was produced by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD.in Sep,2024, and inspected by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD. according to API Spec 16C 3rd edition on Sep 3, 2024. The overall condition is good. This is to certify that the Choke And Kill Hose complies with all current standards and specifications for API Spec 16C 3rd edition .

QC Manager: Jane C

Date:Sep 3, 2024



LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD	
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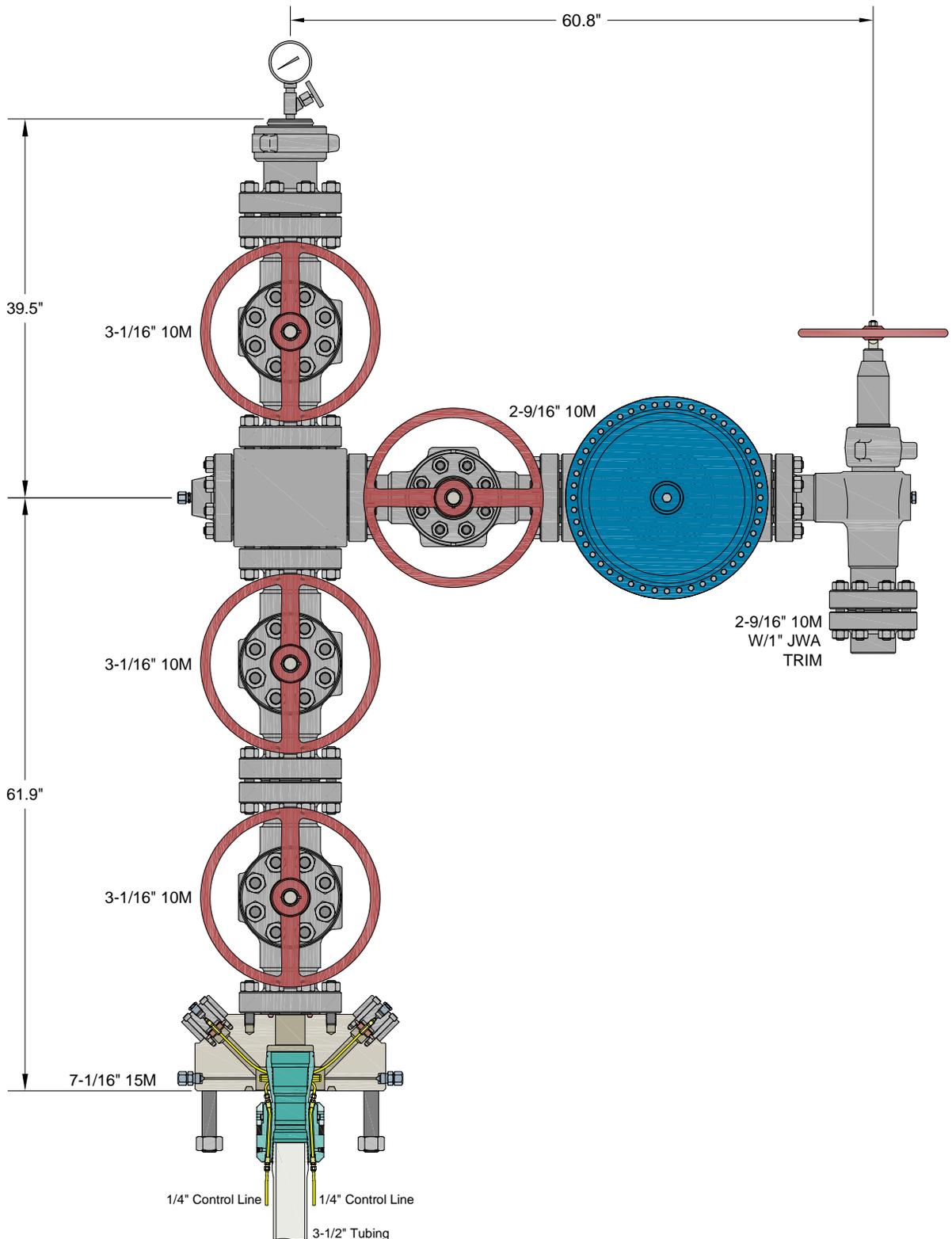
ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

CIMAREX
HOBBS, NM

7-1/16" 10M x 3-1/16" x 2-9/16" 10M Production Tree Assembly
With 7-1/16" 10M x 3-1/16" 10M T40-CCL Tubing Head Adapter
And 7-1/16" 3-1/2" T40-CCL Tubing Hanger

DRAWN	VJK	05SEP23
APPRV		
DRAWING NO.	HBE0001018	



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ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

CIMAREX
HOBBS, NM

7-1/16" 15M x 3-1/16" x 2-9/16" 10M Production Tree Assembly
With 7-1/16" 15M x 3-1/16" 10M T40-CCL Tubing Head Adapter
And 7-1/16" 3-1/2" T40-CCL Tubing Hanger

DRAWN	VJK	13DEC23
APPRV		
DRAWING NO.	HBE0001018	



Cactus

Quotation

Quote Number : HBE0001018

Hobbs, NM
4120 W Carlsbad Hwy
Hobbs NM 88240
Phone: 817-682-8336

Date: 09/08/2023
Valid For 30 Days

Page 1 of 5

Bill To: 7050

CIMAREX
ATTN: DAVID SHAW
202 S CHEYENNE AVENUE SUITE 1000
TULSA OK 74103
US

Ship To: 1016

2023 PRICING REVIEW
202 S Cheyenne Ave Ste 1000
Tulsa OK 74103-3001
US

Quantity Price Ext Price

CIMAREX

HOBBS, NM

PRODUCTION TREE ASSEMBLY
7-1/16" 10M X 3-1/16" 10M X 2-9/16" 10M
OPTIONAL 15M ADAPTER

QUOTATION SUMMARY:

- PRODUCTION TREE ASSEMBLY - \$49,338.02

CACTUS CONTACT:

RILEY STAFFORD / MIKE SPINKS
OFFICE: 405.708.7217 (RILEY) / 713.396.5762 (MIKE)
MOBILE: 405.445.2222 (RILEY) / 832.691.7724 (MIKE)
EMAIL: riley.stafford@cactuswellhead.com / mike.spinks@cactuswellhead.com

DUE TO VOLATILITY IN THE STEEL MARKET, PRICING FOR ITEMS MADE FROM NICKEL ALLOYS (EX. 410SS, 17-4PHSS, INCONEL, ETC.) WILL BE VALID FOR TWO WEEKS. CW WILL REVIEW AND ADJUST, IF NECESSARY, AT ORDER PLACEMENT.

PREMIUM THREADED CASING HANGERS/RUNNING TOOLS & CUSTOMER SPECIFIC EQUIPMENT ARE NON-CANCELABLE AND MAY REQUIRE A PURCHASE ORDER (PO) PRIOR TO MANUFACTURING.

SUPPLY CHAIN PRICING IS BASED UPON A 135 DAY DELIVERY ARO. EXPEDITED PRICING CAN BE PROVIDED UPON REQUEST. PRICES ARE F.O.B. CACTUS BOSSIER CITY, LA. THE FOLLOWING QUOTATION DOES NOT INCLUDE APPLICABLE MILEAGE AND SERVICE CHARGES THAT MAY BE CHARGED AT TIME OF INVOICING.


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 Hobbs, NM
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 Hobbs NM 88240
 Phone: 817-682-8336

Date: 09/08/2023

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Page 2 of 5

		Quantity	Price	Ext Price
PRODUCTION TREE ASSEMBLY				
1	124314P2 ADPT,TBGHD,CW,T40-CCL,7-1/16 10M STD X 3-1/16 10M STD,W/TWO #14 DHCV W/1/4 LP INLETS,10000 PSI MAX WP,TEMP PU,MATL EE,PSL2,PR2	1.00	4,830.00	4,830.00
2	120242MV VLV,CW,SB100,3-1/16 10M FE BB/EE-0,5 (API 6A LU BB/EE-0,5 PSL3 PR1) QPQ TRIM, API 6A PR1 SECTION 10.5.2 (BORE VENT HOLE)	1.00	4,343.00	4,343.00
3	120242MV VLV,CW,SB100,3-1/16 10M FE BB/EE-0,5 (API 6A LU BB/EE-0,5 PSL3 PR1) QPQ TRIM, API 6A PR1 SECTION 10.5.2 (BORE VENT HOLE)	1.00	4,343.00	4,343.00
4	128365 CRSS,STD,AOZE,3-1/16 10M X 2-9/16 10M,6A-LU-EE-3	1.00	2,650.00	2,650.00
5	120242MV VLV,CW,SB100,3-1/16 10M FE BB/EE-0,5 (API 6A LU BB/EE-0,5 PSL3 PR1) QPQ TRIM, API 6A PR1 SECTION 10.5.2 (BORE VENT HOLE)	1.00	4,343.00	4,343.00
6	142800 TREETCAP,NEWAY,BHTA,B15A,3-1/16 10M X 3-1/2 EU ILT,W/1/2 NPT & 3.06 MIN BORE,MONOGRAMMED,TEMP PU,MATL EE,PSL2	1.00	1,270.00	1,270.00
7	BX154 RING GASKET,BX154,3-1/16 10/15/20M	5.00	10.44	52.20
8	780077-20E1 STUD,ALL-THD W/2 HVY HEX NUTS,BLK,1-8UNC X 7,API 20E BSL-1 ASTM A193 GR B7 ALL THREAD STUD W/2 API 20E BSL-1 ASTM A194 GR 2H HEAVY HEX NUTS,NO PLATING	16.00	19.83	317.28
9	132879 FLG,BLIND,AOZE,3-1/16 10M X 1/2 NPT,W/HUB,TEMP LU,MATL EE,PSL3	1.00	495.00	495.00
10	100048 FTG,GRS,VENTED CAP,1/2 NPT,4140 -50F W/ELECTROLESS NICKEL COATING NACE,K-MONEL BALL,INCONEL X-750 SPRING	1.00	59.74	59.74
11	115900MV VLV,CW,SB100,2-9/16 10M FE BB/EE-0,5 (API 6A LU BB/EE-0,5 PSL2 PR2) QPQ TRIM, API 6A PR2 ANNEX F (BORE VENT HOLE)	1.00	3,285.00	3,285.00
12	128567 VLV/ACT,OMNI,FS-R,2-9/16 10M FE EE HF C/W MODEL DX-18 DIAPHRAGM PNEUMATIC ACTUATOR, FORGED BODY, REVERSE ACTING SLAB GATE, FLOATING SEATS & DIRECTIONAL FLOW BODY BUSHING (FLOW FROM RIGHT TO LEFT): MAT'L CLASS EE, HARDFACE TRIM, TEMP PU (-20 TO 250 F), PSL-2, PR-2; ACTUATOR: MATERIAL CLASS BB, TEMP P (-20F TO 180F) PR-2 (FC TYPE) W/MANUAL OVERRIDE,ACTUATOR REQUIRES 112 PSI TO OPEN AT FULL 10,000 PSI	1.00	8,292.00	8,292.00
13	130652 CHOKE,ADJ,HOE,H2,2-9/16 10M FE X FE ALLOY BDY,3" NOMINAL,W/ 2" SSTC TRIM,H2S SERVICE,API MONOGRAMMED,PSL-2 PR-2 TEMP-PU MATL-EE-1.5	1.00	7,500.00	7,500.00
14	120734 FLG,COMP,AOZE,2-9/16 10M X 2-7/8 EU,5000 PSI MAX WP,TEMP LU,PSL3,PR1	1.00	399.00	399.00



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Page 3 of 5

		Quantity	Price	Ext Price
15	BX153 RING GASKET,BX153,2-9/16 10/15/20M	5.00	11.54	57.70
16	780067-20E1 STUD,ALL-THD W/2 HVY HEX NUTS,BLK,7/8-9UNC X 6-1/2,API 20E BSL-1 ASTM A193 GR B7 ALL THREAD STUD W/2 API 20E BSL-1 ASTM A194 GR 2H HEAVY HEX NUTS,NO PLATING	24.00	14.70	352.80
17	135166 TBGHGR,CW,T40-CCL,7-1/16 X 3-1/2 EU API MOD BOX BTM X 3-1/2 EU BOX TOP,W/3 HBPV THD,W/ TWO 1/4 CCL & DOVETAIL SEAL,CF 124316P2,10000 PSI MAX WP,17-4PH SS,TEMP PU,MATL FF-0,5,PSL2,PR2	1.00	4,490.00	4,490.00
18	BX156 RING GASKET,BX156,7-1/16 10/15/20M	1.00	62.48	62.48
19	NVS NEEDLE VALVE,MFS,1/2 NPT MXF,10M PSI WP,CARBON STEEL BODY, 304/316SS STEM, TFE PACKING (NON-NACE)	1.00	61.16	61.16
20	PG10M PRESSURE GAUGE,10M,4-1/2 FACE, LIQUID FILLED,1/2 NPT	1.00	58.24	58.24
21	PRO Prorata Freight	0.75	2,768.56	2,076.42
				49,338.02

OPTIONAL 15M ADAPTER

22	124999P2 ADPT,TBGHD,CW,T40-CCL,7-1/16 15M STD X 3-1/16 10M STD,W/TWO #14 DHCV W/1/4 NPT INLET,10000 PSI MAX WP,TEMP PU,MAT'L EE,PSL2,PR2	0.00	7,423.00	0.00
				0.00

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For Acceptance of this Quotation
 Please Contact Ph: 713-626-8800
 sales@cactuswellhead.com

Matl:	47,261.60
Labor:	0.00
Misc:	2,076.42
Sales Tax:	0.00
Total:	49,338.02



Cactus

Quotation

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Hobbs, NM
4120 W Carlsbad Hwy
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Phone: 817-682-8336

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Page 4 of 5

CACTUS WELLHEAD, LLC PURCHASE TERMS AND CONDITIONS

1. **ACCEPTANCE:** Acceptance of Cactus Wellhead, LLC (herein: Company) Purchase Terms and Conditions (herein: CACTUS Purchase Terms) shall be deemed effective upon shipment of the Products and/or rendering of Services which are the subject of an order by Customer (defined as the party purchasing CACTUS Products and or Services referred on the invoice). Any proposal made by Customer for additional or different terms and conditions or any attempt by Customer to vary in any degree any of the terms and conditions of CACTUS Purchase Terms is hereby rejected.
2. **PRICING.** Each Product and Service shall be invoiced at (and Customer shall pay) the respective price shown on the reverse side hereof, or if no price is shown on the reverse side hereof, at the price shown in the current price list of Company. In addition, Customer shall pay any and all additional charges for mileage, transportation, freight, packing and other related charges, as well as any federal, state or local tax, excise, or charge applicable on the sale, transportation, or use of Products and Services, unless otherwise specified.
3. **TERMS OF PAYMENT.** Customer agrees to pay Company any and all payments due on or before thirty (30) days from invoice date at the designated address of Company. Amounts unpaid after such thirty (30) day period shall bear interest at the lesser of (i) one and one-half percent (1½%) per month or (ii) the maximum rate allowed by law. Customer shall also pay any and all of Company's attorney's fees and court costs if any amounts hereunder are collected by an attorney or through legal proceedings. Company reserves the right, among other remedies, either to terminate this agreement or to suspend further deliveries upon failure of Customer to make any payment as provided herein.
4. **LIMITED WARRANTY.** COMPANY MAKES NO WARRANTY, EXPRESSED OR IMPLIED, AS TO THE MERCHANTABILITY, FITNESS FOR PURPOSE, DESCRIPTION, QUALITY, PRODUCTIVENESS, ACCURACY OR ANY OTHER MATTER WITH RESPECT TO PRODUCTS OR SERVICES, ALL SUCH WARRANTIES BEING HEREBY SPECIFICALLY AND EXPRESSLY DISCLAIMED BY COMPANY. COMPANY MAY OFFER TECHNICAL ADVICE OR ASSISTANCE WITH REGARD TO THE PRODUCTS AND SERVICES BASED ON LABORATORY AND/OR FIELD EXPERIENCE AND CUSTOMER UNDERSTANDS AND AGREES THAT SUCH ADVICE REPRESENTS ONLY GOOD FAITH OPINIONS AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE. THE SOLE AND EXPRESS WARRANTY PROVIDED BY COMPANY IS TO WARRANT THAT THE PRODUCTS SOLD AS LISTED ON THE REVERSE SIDE HEREOF COMPLY WITH COMPANY'S SOLE SPECIFICATION AT THE DATE AND TIME OF MANUFACTURE. COMPANY MAKES NO WARRANTY THAT SUCH PRODUCTS SHALL MEET SUCH SPECIFICATION AT ANY TIME AFTER SHIPMENT OF PRODUCTS. USE OF SUCH PRODUCTS IS SPECIFICALLY NOT WARRANTED.
5. **REMEDY.** The exclusive remedy for this warranty for Products shall be limited to, in Company's sole discretion and judgment, the replacement of defective part(s), F.O.B. Company's plant (transportation, redesign, dismantling, disposal of material and installation are not included and shall be borne and paid for by Customer), or repair of defective part(s). The exclusive remedy for this warranty for Services shall be limited to the repeat of Services performed F.O.B. Company's plant (transportation, redesign, dismantling, disposal of material and installation are not included and shall be borne and paid for by Customer). Any such repeat of Services or replacement or repair of Products shall not include any materials not sold by Company hereunder, and specifically excludes any obligation by Company related to other property of the Customer or any property of third parties. Provided, however, Company may in its sole discretion, decide to instead give Customer credit memorandum for the amounts already paid by Customer to Company for such Product or Service. IN ANY EVENT AND NOTWITHSTANDING THE LANGUAGE TO THE CONTRARY HEREIN, CUSTOMER ACKNOWLEDGES THAT ANY CLAIM IT MAY HAVE ARISING OUT OF OR IN CONNECTION WITH ANY ORIGINAL PRODUCTS AND SERVICES, ANY REPLACEMENT PRODUCTS OR REPEAT OF SERVICES AND THESE CACTUS PURCHASE TERMS SHALL BE LIMITED TO AND NOT EXCEED THE AMOUNT CUSTOMER HAS ACTUALLY PAID TO COMPANY FOR SUCH PRODUCTS AND/OR SERVICES PURSUANT HERETO. If Customer fails to make any such claim within thirty (30) days after completion of Service or delivery of Products, Customer hereby waives (to the extent permitted by applicable law) any and all claims it may or does have with respect to such Products and Services. Unless Customer is an authorized reseller of Company, Company's liability in connection with Products and Services shall extend only to Customer. CUSTOMER HEREBY INDEMNIFIES AND HOLDS COMPANY (AND ITS AGENTS, REPRESENTATIVES, OFFICERS DIRECTORS AND EMPLOYEES) HARMLESS FOR ANY LOSS, EXPENSE OR DAMAGE (WHETHER OF CUSTOMER OR OF ANY THIRD PARTY) ARISING FROM OR IN CONNECTION WITH PRODUCTS AND SERVICES, INCLUDING WITHOUT LIMITATION ANY FAILURE OF SUCH PRODUCTS AND SERVICES TO CONFORM TO CUSTOMER'S ORDER OR SPECIFICATION OR ANY OTHER STANDARD, OR ANY NEGLIGENCE OR BREACH OF WARRANTY BY COMPANY WITH RESPECT TO ANYTHING DONE OR FAILED TO HAVE BEEN DONE BY COMPANY, IF AND TO THE EXTENT THAT SUCH LOSS, EXPENSE OR DAMAGE EXCEEDS THE AMOUNT CUSTOMER HAS ACTUALLY PAID COMPANY PURSUANT HERETO FOR SUCH PRODUCTS OR SERVICES.
6. **INSPECTION.** The results of any inspection or testing reported by the Company to Customer represents only good faith opinions and are not to be construed as warranties or guarantees of the quality, classification, merchantability, fitness for purpose, condition, or liability of any equipment or material that has been inspected or tested by the Company.
7. **INSURANCE.** Each party agrees to maintain comprehensive general liability insurance in the amount of \$1,000,000 each occurrence, \$2,000,000 general aggregate, and Workers Compensation insurance per statutory requirements providing coverage for the indemnity obligations in this agreement. The Company (and such of its affiliates as it shall designate) including their officers, directors, members, shareholders, partners, joint ventures, employees, agents and representatives shall be named as additional insureds under the policies of Customer on a primary basis to the extent of its indemnification obligations set forth in these CACTUS Purchase Terms, and the policies shall also provide a waiver of subrogation rights in favor of the Company (and such of its affiliates as it shall designate) and their officers, directors, members, shareholders, employees, agents and representatives. The provisions of this Section 7 shall apply and the obligation to maintain insurance of each party in the coverages and amounts set forth herein shall remain in force regardless and independent of the validity or enforceability of the indemnity provisions of Section 8, below; the obligation to obtain insurance is a separate and independent obligation. If the insurance required herein is more or less than allowed by prevailing law, the indemnity obligations in Section 8 below shall be effective only to the maximum extent permitted under applicable law.
8. **INDEMNIFICATION.** The following indemnifications and releases of liability will apply to any Products or Services provided under this contract. COMPANY AND CUSTOMER EXPRESSLY AGREE THAT, TO THE EXTENT REQUIRED BY APPLICABLE LAW TO BE EFFECTIVE, THE INDEMNITIES AND DISCLAIMERS OF WARRANTIES CONTAINED HEREIN ARE "CONSPICUOUS."
 - A. **Customer Indemnity Obligations.** Customer hereby releases Company from any liability for, and shall protect, defend, indemnify, and hold harmless Company, its parents, affiliates, subsidiaries, partners, joint owners, joint ventures, and its contractors and subcontractors of any tier, and the officers, directors, agents, representatives, employees, insurers, and consultants (specifically excluding any member of Customer Group) of all of the foregoing, and its and their respective successors, heirs and assigns ("Company Group") from and against all costs (including the payment of reasonable attorneys' fees), losses, liabilities, demands, causes of action, damages, or claims of every type and character ("Claims"), arising out of or resulting from or related, directly or indirectly, to (i) injury to, illness or death of Customer its parents, affiliates, subsidiaries, partners, joint owners, joint ventures, and its contractors and subcontractors of any tier, and the officers, directors, agents, representatives, employees, customers, insurers, invitees and consultants of all of the foregoing, and its and their respective successors, heirs and assigns ("Customer Group"), or (ii) loss of or damage to any property of any member of Customer Group, REGARDLESS OF THE CAUSE OF SUCH CLAIMS, INCLUDING THE NEGLIGENCE (WHETHER SOLE, JOINT OR CONCURRENT, ACTIVE OR PASSIVE) STRICT LIABILITY, OR ANY OTHER LEGAL FAULT OR RESPONSIBILITY OF ANY MEMBER OF COMPANY GROUP, BUT NOT IN THE CASE OF GROSS NEGLIGENCE OR WILLFUL MISCONDUCT OF ANY MEMBER OF COMPANY GROUP.
 - B. **Company Indemnity Obligations.** Company hereby releases Customer from any liability for, and shall protect, defend, indemnify, and hold harmless Customer from and against all Claims arising out of or resulting from or related, directly or indirectly, to (i) injury to, illness or death of any member of Company Group, or (ii) loss of or damage to any property of any member of Company Group, REGARDLESS OF THE CAUSE OF SUCH CLAIMS, INCLUDING THE NEGLIGENCE (WHETHER SOLE, JOINT OR CONCURRENT, ACTIVE OR PASSIVE) STRICT LIABILITY, OR ANY OTHER LEGAL FAULT OR RESPONSIBILITY OF ANY MEMBER OF CUSTOMER GROUP, BUT NOT IN THE CASE OF GROSS NEGLIGENCE OR WILLFUL MISCONDUCT OF ANY MEMBER OF COMPANY GROUP.
 - C. **Third Party Claims.** Notwithstanding the foregoing, to the extent of its negligence, Company and Customer shall each indemnify, defend and hold harmless from and against all Claims, of every type and character, which are asserted by third parties for bodily injury, death or loss or destruction of property or interests in property in any manner caused by, directly or indirectly resulting from, incident to, connected with or arising out of the work to be performed, Services to be rendered or Products or materials furnished to Customer. When personal injury, death or loss of or damage to property is the result of joint or concurrent negligence of Customer and Company, the indemnitor's duty of indemnification shall be in proportion to its allocable share of such negligence.
 - D. **Pollution.** Company agrees that it shall be totally responsible for, and shall protect, defend and indemnify, Customer for all losses, damages, claims, demands, costs, charges, and other expenses, including attorneys' fees, for any and all waste and/or hazardous substances which are in Company Group's exclusive possession and control and directly associated with Company Group's equipment and facilities, EVEN IF THE LOSSES, DAMAGES, CLAIMS, DEMANDS, COSTS, FEES, AND EXPENSES ARE CAUSED BY OR CONTRIBUTED TO BY THE NEGLIGENCE OF CUSTOMER GROUP. Customer shall assume all responsibility for, including control and removal of, and shall protect, defend and indemnify Company Group from and against all Claims arising directly or indirectly from all other pollution or contamination which may occur during the conduct of operations hereunder, including, but not limited to, that which may result from fire, blowout, cratering, seepage or any other uncontrolled flow of oil, gas, water or other substance, EVEN IF THE LOSSES, DAMAGES, CLAIMS, DEMANDS, COSTS, FEES, AND EXPENSES ARE CAUSED BY OR CONTRIBUTED TO BY THE NEGLIGENCE OF COMPANY GROUP.
 - E. **Wild Well.** Customer shall release Company Group of any liability for, and shall protect, defend and indemnify Company Group for any damages, expenses, losses, fines, penalties, costs, expert fees and attorneys' fees arising out of a fire, blow out, cratering, seepage or wild well, including regaining control thereof, debris removal and property restoration and remediation. THIS INDEMNITY APPLIES EVEN IF THE LOSSES, DAMAGES, CLAIMS, DEMANDS, COSTS, FEES, AND EXPENSES ARE CAUSED NEGLIGENCE (WHETHER SOLE, JOINT OR CONCURRENT, ACTIVE OR PASSIVE, ORDINARY OR GROSS) STRICT LIABILITY, OR ANY OTHER LEGAL FAULT OR RESPONSIBILITY OF ANY MEMBER OF COMPANY GROUP.
 - F. **Underground Damage.** Customer shall release Company Group of any liability for, and shall protect, defend and indemnify Company Group from and against any and all claims, liability and expenses resulting from operations related to the work under this agreement on account of injury to, destruction of, or loss or impairment of any property right in or to oil, gas or other mineral substance or water, if at the time of the act or omission causing such injury, destruction, loss or impairment said substance and not been reduced to physical possession above the surface of the earth, and for any loss or damage to any formation, strata, or reservoir beneath the surface of the earth. THIS INDEMNITY APPLIES EVEN IF THE LOSSES, DAMAGES, CLAIMS, DEMANDS, COSTS, FEES, AND EXPENSES ARE CAUSED NEGLIGENCE (WHETHER SOLE, JOINT OR CONCURRENT, ACTIVE OR PASSIVE, ORDINARY OR GROSS) STRICT LIABILITY, OR ANY OTHER LEGAL FAULT OR RESPONSIBILITY OF ANY MEMBER OF COMPANY GROUP.
 - G. The foregoing indemnities set forth in these CACTUS Purchase Terms are intended to be enforceable against the parties hereto in accordance with the express terms and scope hereof notwithstanding Texas' Express Negligence Rule or any similar directive that would prohibit or otherwise limit indemnities because of the negligence (whether sole, concurrent, active or passive, ordinary or gross) or other fault or strict liability of Company or Customer.
 - H. If a claim is asserted against one of the parties to this agreement which may give rise to a claim for indemnity against the other party hereto, the party against whom the claim is first asserted must notify the potential indemnitor in writing and give the potential indemnitor the right to defend or assist in the defense of the claim.
9. **RISK OF LOSS.**
 - A. Title and risk of loss shall pass to Customer upon delivery as specified in Article 11. Customer's receipt of any material delivered hereunder shall be an unqualified acceptance of, and a waiver by Customer of any and all claims with respect to, such material unless Customer gives Company written notice of claim within thirty (30) days after such receipt. Notwithstanding the foregoing, installation or use of materials or equipment shall unequivocally constitute irrevocable acceptance of said materials. Customer assumes all risk and liability for the results obtained by the use of any material or Products delivered hereunder in work performed by on behalf of Customer or in combination with other or substances. No claim of any kind, whether as to material delivered or for non-delivery of material, and whether or not based on negligence, shall be greater in amount than the purchase price of the


Cactus
Quotation
Quote Number : HBE0001018

 Hobbs, NM
 4120 W Carlsbad Hwy
 Hobbs NM 88240
 Phone: 817-682-8336

Date: 09/08/2023

Valid For 30 Days

Page 5 of 5

material in respect of which such claim is made.

B. For Services, Company shall not be liable for loss or deterioration of any equipment and material of Customer under Company's control or stored on Company's premises after Company has completed its work if such loss or deterioration results from atmospheric condition, Act of God or other occurrence not within the reasonable control of Company.

10. **TERMINATION.** Company reserves the right to terminate the order at issue, or any part hereof, solely for its convenience at any time without cause with notice to Customer. Company shall have the right to cancel any unfilled order without notice to Customer in the event that Customer becomes insolvent, adjudicated bankrupt, petitions for or consents to any relief under any bankruptcy reorganization statute, violates a term of these CACTUS Purchase Terms, or is unable to meet its financial obligations in the normal course of business. In the event of such termination, Company shall immediately stop all work hereunder. Prior to delivery, Customer may terminate this order without cause upon thirty (30) day notice in writing to Company. In the event of such termination, Company at its sole option shall cease work up to thirty (30) days after such notice. Upon the cessation of work, Customer agrees to pay Company a reasonable termination charge consisting of a percentage of the invoice price, such percentage to reflect the value of the Products, Services or work in progress completed upon the cessation of work. Customer shall also pay promptly to Company any costs incurred due to paying and settling claims of Company's vendors or subcontractors arising out of the termination of the order by Customer.

11. **DELIVERY.** Unless different terms are provided on the face of this order, all items are sold FOB Company's manufacturing facility in Bossier City, LA., and Customer shall bear the cost of transportation to any other named destination. Upon notification of Company of delivery, Customer shall become liable and shall bear all risk of loss associated with the Products at issues regardless of whether the Products are at a location controlled by Company and whether or not caused by the negligence of Company. In the case of Customer pick-up, the truck furnished by Customer is the destination and Company's obligations regarding shipments are fulfilled when the Products are loaded on the truck. Items to be shipped to any other destination outside of the United States are sold FOB port of shipment (Customer will deliver and bear the cost of transportation to the named port and will bear the cost of transportation thereafter to the final destination). The means of shipment and carrier to the point at which Company's liability for transportation costs ceases shall be chosen by Company. Excess packing, marking, shipping, and transportation charges resulting from compliance with Customer's request shall be for Customer's account. Unless otherwise agreed in writing, delivery time is not of the essence.

12. **RETURNS/REFUND.** Within ninety (90) days of delivery, Customer has the option to return any non-defective Products (any Products found to be defective will be subject to the warranty and remedies expressed in paragraphs four (4) and five (5) above). Customer shall bear all costs of shipment and/or transportation for such return and risk of loss for the returned Products shall remain with Customer until re-delivered to Company's Yard. Customer shall receive a full refund for any returns, less a twenty percent (20%) restocking fee. Company at all times reserves the right to designate certain Products as non-refundable in Company's Sales Quote or Sales Order. In addition, any made-to-order, special order, and/or Product manufactured to Customer specifications are NOT returnable.

13. **DELAYS.** If a specific shipping date is either not given or is estimated only, and is not promised on the face of this order or in a separate writing signed by Company, Company will not be responsible for delays in filling this order nor liable for any loss or damages resulting from such delays. If a specific shipping date is promised, Company will not be liable for delays resulting from causes beyond Company's control, including without limitation accidents to machinery, fire, flood, act of God or other casualty, vendor delays, labor disputes, labor shortages, lack of transportation facilities, priorities required by, requested by, or granted for the benefit of any governmental agency, or restrictions imposed by law or governmental regulation.

14. **LIMITATION OF DAMAGES.** Notwithstanding any other provision contained herein, Company shall not be liable to Customer Group or any third party for consequential (whether direct or indirect damages), indirect, incidental, special or punitive damages, howsoever arising, including, but not limited to loss of profits (whether direct or indirect damages), revenues, production or business opportunities, WHETHER OR NOT SUCH LOSSES ARE THE RESULT IN WHOLE OR IN PART FROM THE NEGLIGENCE (WHETHER SOLE, JOINT, CONCURRENT OR COMPARATIVE, ACTIVE OR PASSIVE, ORDINARY OR GROSS) OF COMPANY GROUP, OR ANY DEFECT IN THE PREMISES, PRE-EXISTING CONDITIONS, PATENT OR LATENT, BREACH OF STATUTORY DUTY, STRICT LIABILITY OR ANY OTHER THEORY OF LEGAL LIABILITY OF COMPANY GROUP (EXCLUDING ONLY LOSSES CAUSED BY THE WILLFUL MISCONDUCT OF COMPANY GROUP).

15. **SECURITY INTEREST.** Customer grants Company, and Company reserves, a security interest, covering all Customer's obligations under these terms (including any liability for breach of Customer's obligations), and applying to all of Customer's right, title, and interest in the Leased Equipment, together with all accessions thereto and any proceeds that may arise in connection with the sale or disposition thereof. Customer shall cooperate with Company in the filing of Financing Statements to perfect such security interest. Furthermore, Customer authorizes Company to execute and file Financing Statements without Customer's signature in any jurisdiction in which such procedure is authorized. Customer warrants, covenants and agrees that it will not, without prior written consent of Company, sell, contract to sell, lease, encumber, or dispose of the Leased Equipment or any interest in it until all obligations secured by this security interest have been fully satisfied.

16. **PATENT AND INTELLECTUAL PROPERTY.** The sale of any Products hereunder does not convey any intellectual property license by implication, estoppel or otherwise regarding the Products. Company retains the copyright in all documents, catalogs and plans supplied to Customer pursuant to or ancillary to the contract. Unless otherwise agreed in writing, Customer shall obtain no intellectual property interest in any Company Product.

17. **TAXES.** Unless otherwise specifically provided for herein, Customer shall be liable for all federal, state, or local taxes or import duties assessed by any governmental entity of any jurisdiction in connection with the Products or Services furnished hereunder.

18. **DECEPTIVE TRADE PRACTICES.** Customer acknowledges the application of Section 17.45(4) of the Texas Deceptive Trade Practices Act (Texas Business Commission Code §17.41 et. seq.) (the "Act") to any transaction contemplated hereby and represents that it is not a "consumer" for the purposes of the Act.

19. **NO WAIVER.** Failure to enforce any or all of the provisions in these CACTUS Purchase Terms in any particular instance shall not constitute or be deemed to constitute a waiver of or preclude subsequent enforcement of the same provision or any other provision of these CACTUS Purchase Terms. Should any provision of these CACTUS Purchase Terms be declared invalid or unenforceable all other provisions of these CACTUS Purchase Terms shall remain in full force and effect.

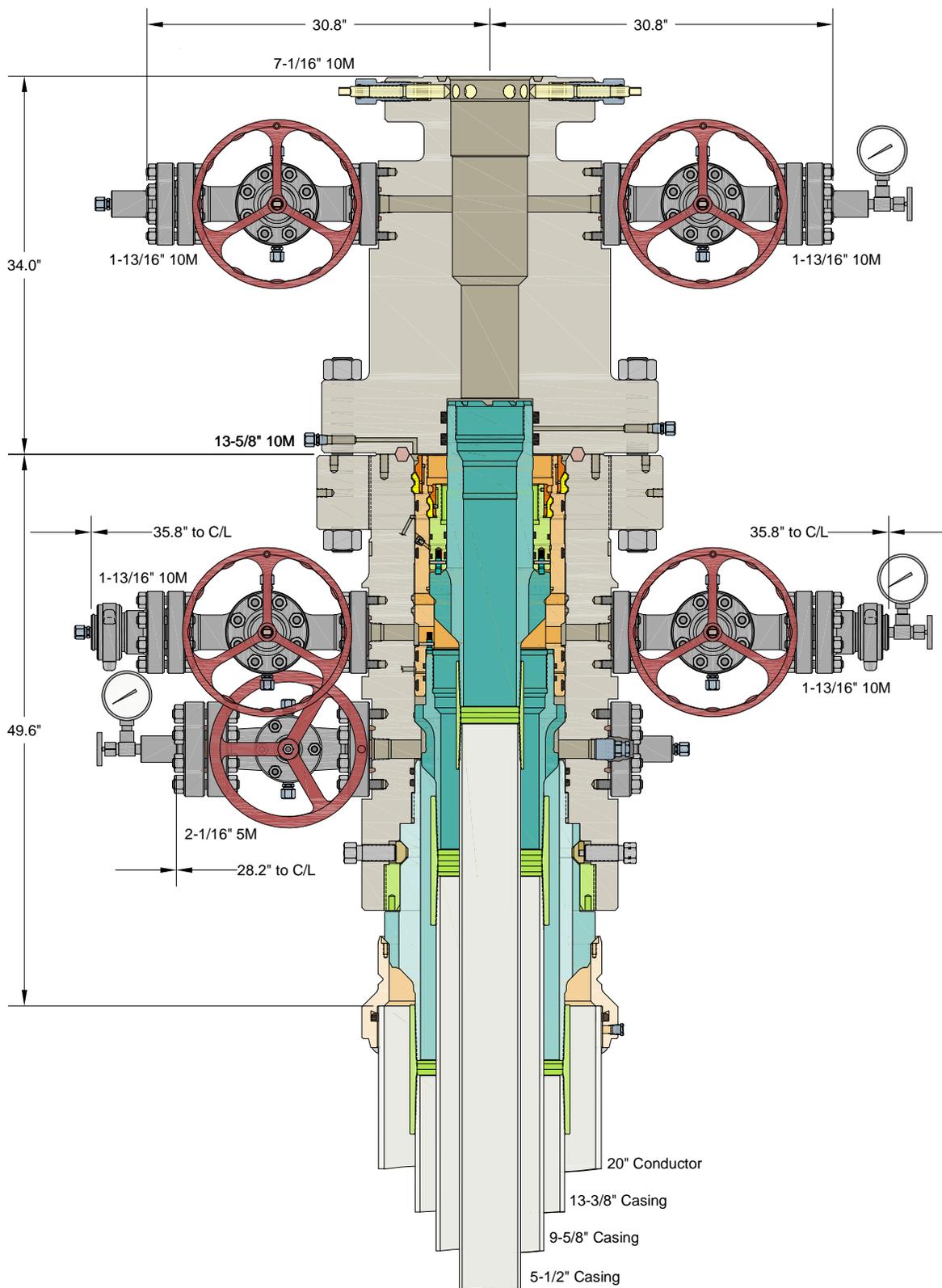
20. **CHOICE OF LAW.** THIS AGREEMENT SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS AND SHALL BE PERFORMABLE IN HARRIS COUNTY, TEXAS. WITHOUT REGARD TO CONFLICTS OF LAW PRINCIPALS AND WAIVER OF SAME, EACH PARTY HERETO SUBMITS TO THE JURISDICTION OF THE COURTS OF THE STATE OF TEXAS IN HARRIS COUNTY, TEXAS AND THE FEDERAL COURTS IN AND FOR THE SOUTHERN DISTRICT OF TEXAS SITTING IN HOUSTON, TEXAS IN CONNECTION WITH ANY DISPUTE ARISING UNDER THIS AGREEMENT OR ANY DOCUMENT OR INSTRUMENT ENTERED INTO IN CONNECTION HEREWITH.

21. **AUTHORITY.** Customer warrants and represents that the individual receiving this order at issue on behalf of Customer has the authority to enter into these CACTUS Purchase Terms on behalf of Customer, and that upon receipt these CACTUS Purchase Terms shall be binding upon Customer.

22. **FORCE MAJEURE.** If Company is unable to carry out its obligations hereunder by reason of force majeure, then upon Company's giving of notice and reasonably full particulars of such force majeure in writing to Customer, Company's obligations that are affected by force majeure shall be suspended during the continuance of the force majeure and Company shall not be liable to Customer for any damages incurred by the Customer as a result thereof.

23. **CONFIDENTIALITY.** Customer acknowledges the highly secret and valuable nature of all proprietary inventions, methods, processes, designs, know-how, and trade secrets embodied in the Company's equipment, Products and Services and its components (hereinafter referred to as "Confidential Data"). Accordingly, Customer agrees not to disclose or use any Confidential Data. Customer further agrees to take any and all necessary precautions to prevent disclosure of the Confidential Data associated with the Company's equipment, Products and Services and components thereof to persons other than those employees of Customer for whom such disclosure is necessary for performance of the work hereunder.

24. **COMPLIANCE.** Customer expressly agrees to comply with and abide by, all of the laws of the United States and of the State of Texas, including, but not limited to, OSHA, EPA and all rules and regulations now existing or that may be hereafter promulgated under and in accordance with any such law or laws, and hereby agrees to indemnify and hold Company harmless from any and all claims, demands, or damages incurred by Company arising from Customer's failure to comply with all laws and governmental regulations. The indemnities in this paragraph shall be in addition to any other indemnity obligations between Customer and Company, including any other indemnity obligations contained herein.



INFORMATION CONTAINED HEREIN IS THE PROPERTY OF CACTUS WELLHEAD, LLC. REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PERMISSIBLE ONLY AS PROVIDED BY CONTRACT OR AS EXPRESSLY AUTHORIZED BY CACTUS WELLHEAD, LLC.

ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

CIMAREX
HOBBS, NM

20" x 13-3/8" x 9-5/8" x 5-1/2" MBU-3T-CFL Wellhead Sys.
With 13-5/8" 10M x 7-1/16" 10M CTH-DBLHPS Tubing Head
And 9-5/8" & 5-1/2" Fluted Mandrel Casing Hangers

DRAWN	VJK	01MAY24
APPRV		
DRAWING NO.	HBE0001215	

Standard New Mexico Variances

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. Before skidding the rig, a TA cap is installed on the subject well.

Variance Request #2: Offline Cement Intermediate Casing

Coterra requests approval to execute an offline cement job on the Intermediate casing string. The procedure will include the following:

- Land casing in the wellhead with a solid-body casing hanger
- Install backpressure valve
- Skid rig to next well in drilling sequence
- Check for pressure and remove backpressure valve
- Install cement head and risers from casing valves
- Circulate down casing taking returns through appropriately designed flowback equipment
- Pump lead & tail cement
- Displace cement and land plug
- Verify floats are holding
- Rig down cement crew
- Install backpressure valve and TA cap

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.

Variance Request #5: 10M BOPE & 5M Annular

Coterra requests permission to utilize a 5M annular BOP with a 10M BOP primary system. The 10M BOP system will include upper pipe rams, blind rams, and lower pipe rams, all tested to 10K, 100% of the rated working pressure. The annular element will be tested to 5K, 100% of the

rated working pressure. As noted in the well control plan, if pressure approaches the rated working pressure of the 5K annular element while in use, the upper pipe rams will be closed, and the annular opened so as to not exceed the rated working pressures.

Variance Request #6: Break Testing BOPE

In compliance with API Standard 53, Coterra requests a variance to complete a BOP *break test* following any rig walking operation during the batch drilling sequence of multi-well pads. For this variance, the following stipulations will be met:

1. The first well in the batch drilling sequence for each hole section will be drilled to a depth sufficient to identify any depth-dependent drilling hazards prior to conducting break tests in subsequent wells.
2. On the first well in the drilling sequence, a full BOP test will be completed.
 - a. For the full BOP test, the Annular Preventer will be tested to 100% of its rated working pressure.
3. For each break test, the upper pipe rams will serve as the top barrier, and the BOP test plug will serve as the bottom barrier against which the BOP connection will be tested.
4. Each break test will include a choke manifold shell test, conducted as a single test against the adjustable choke to 100% of the BOP system's maximum working pressure.
5. *Break tests* will only be conducted for drilling intervals terminating above the Wolfcamp formation.
6. For any drilling sequence utilizing consecutive *break tests*, no more than 21 days will elapse between full BOP tests.

Variance Request #7: Offline Cement Production Casing

Coterra requests approval to execute an offline cement job on the production casing string. The procedure will include the following:

- Land casing in the wellhead with a solid-body casing hanger
- Install backpressure valve
- Skid rig to next well in drilling sequence
- Check for pressure and remove backpressure valve
- Install cement head and risers from casing valves
- Circulate down casing taking returns through appropriately designed flowback equipment
- Pump cement volumes
- Displace cement and land plug
- Verify floats are holding
- Rig down cement crew
- Install backpressure valve and TA cap

Variance Request #8: Offline Testing BOPE

Coterra requests approval to test the BOPE prior to the first installation of BOPE on a wellhead system. In this case, the following procedure will be followed:

- While batch drilling the surface sections of the wells on pad, each BOP element will undergo a full test to 100% working pressure, as defined in the Well Control Plan.
- The BOPE will be tested utilizing a blank 13-5/8" 10M flanged connection below the lower pipe rams
- Once equipment is installed on the first well, the full BOP test will be completed by inserting the test plug in the wellhead and testing the break and any BOP equipment that was not tested prior to installation.

Coterra: Well Control Plan



Well Control Plan

Warning Signs of a Kick

If a kick is ever suspected, perform flow check.

While Drilling:

1. Drilling break or increase in penetration rate
2. Increase of flow
3. Pit gain
4. Flow without pumping
5. Circulating pressure decrease and/or spm increase
6. Increase in gas cutting at the shakers
7. Decrease in cuttings at shakers

While Tripping:

1. Hole not taking the proper fill on trip out of hole
2. Hole returns too much mud on trip in hole
3. Flow without pumping

While Out of the Hole:

1. Flow
2. Pit gain

Well Control Procedures with Diverter

A TIW valve in the open position must be on the rig floor at all times.

If rotating head is installed:

1. Perform flow check.
2. If well is flowing, divert flow down flow line and through separator, before returning across shakers.
3. Swap to 10 ppg brine and circulate around. Notify superintendent.

Coterra: Well Control Plan

4. If well becomes uncontrollable, close annular, which will open HCR to divert flow away from rig.

If rotating head is not installed:

1. Perform flow check.
2. If well is flowing uncontrollably, close annular, which will open HCR to divert flow away from rig.
3. Swap to 10 ppg brine and circulate around. Notify superintendent.
4. After 10 ppg is circulated around shut pumps off and perform flow check.

Well Control Procedures

Coterra follows a hard shut-in procedure. Choke will be in the closed position.

General Well Control

1. If in doubt, secure the well first, then inform your supervisor.
2. Never wait for approval to shut in the well.
3. Verify that the mud pump is off before you close the BOP.
4. Always check and verify the well is properly secured after shut in.
5. Always install TIW valve in the open position.
6. If TIW valve is installed and then closed, apply estimated DP shut-in pressure above valve before opening.
7. The weak link in the mud system and mud lines is the pressure relief valve or pop off valve on the mud pump.
8. Keep the TIW valve wrench in a designated location on the rig floor and in the open position.
9. Use a drill string float above the bit. Don't perforate or disable the float.
10. In the event wellbore pressure encroaches to the maximum rated pressure of the annular, primary pressure control will be switched to the higher rated components (i.e., switch from annular to pipe rams) – upper pipe rams will be closed, and the annular opened in order to not exceed maximum rated pressures.

Hard Shut-In

1. Remote choke is closed.
2. Stop pumping and space out.
3. Check for flow.
4. To shut in, close annular or pipe ram if no annular is present.
5. Open the HCR valve.
6. Check systems, bump float. Record Initial Shut in Drill pipe pressure and Initial shut in casing pressure.

Coterra: Well Control Plan

Flow Check when on Bottom

1. Alert crew & stop rotating
2. Pick up and space out
3. Shut down pumps
4. Observe well for flow
5. Shut-in if flowing

Shutting in while Drilling

1. After flow has been detected via flow check, kill pumps, shut in well and open HCR
2. Verify well is shut-in and flow has stopped
3. Notify supervisory personnel
4. Record data
5. Begin go forward planning

Flow Check while Tripping

1. Alert crew & pick up / space out
2. Stop pipe movement. Set slips with tool joint accessible at rotary table
3. Install open TIW safety valve and close valve
4. Observe well for flow
5. Shut-in if flowing

Shutting in while Tripping

1. Install open TIW safety valve and close valve
2. Shut-in the well
3. Verify well is shut-in and flow has stopped
4. Install IBOP
5. Notify supervisory personnel
6. Record data; SICP, shut-in time, kick depth, and pit gain
7. Begin go forward planning

Shutting in while Out of Hole

1. Sound alarm
2. Shut-in well: close blind rams.
3. Verify well is shut-in and monitor pressures.
4. Notify supervisory personnel
5. Record data; SICP, shut-in time, kick depth, and pit gain
6. Begin go forward planning

Information to Record while Shut-In

1. Shut in drill pipe pressure every 5 minutes

Coterra: Well Control Plan

2. Shut in casing pressure every 5 minutes
3. Pit gain
4. Total volume in pit system
5. Mud weight in suction pit
6. Current depth
7. Total depth
8. Time the well is shut in

H2S with Annular Diverter:

1. Kill Pumps, close annular, which will open HCR, to divert flow away from rig.
2. Muster and take head count.
3. Call ASSI to check location for H2S. Call Coterra superintendent.
4. After ASSI has checked for H2S the path forward will be decided from Coterra superintendent.

H2S with BOP's:

1. Kill pumps
2. Shut in annular with HCR open and chokes closed.
3. Muster and take head count.
4. Call ASSI to check location for H2S. Call Coterra superintendent.
5. After ASSI has checked for H2S. discuss path forward with Coterra superintendent

Procedure for Closing Blind Rams

- Open HCR valve (visually check that the HCR valve is open – stem in the valve is open, stem out the valve is closed).
- Verify all circulating pumps are off (mud pumps, trip tank pump, etc.)
- Ensure that the hydraulic choke is in the closed position.
- Close the blind rams and place the “blind rams closed, bleed pressure and remove hole cover before opening” sign on the console.
- Monitor the shut in casing pressure gauge periodically while the blinds are closed to ensure that wellbore pressure isn't building. If pressure build up is observed, monitor the shut in casing pressure more frequently & document. Notify rig management and Coterra representative of the pressure build up.
- Ensure that the inner bushings are locked into the master bushings if applicable.
- Install hole cover.

Procedure for Opening Blind Rams

- Make sure choke manifold is aligned correctly.
- Open the hydraulic choke to bleed any trapped pressure that may be under the blind rams. (Even if the casing pressure gauge is reading zero).

Coterra: Well Control Plan

- Confirm that no flow is discharging into the trip tank or possum bellies of the shale shaker (wherever the separator is discharging into).
- Remove hole cover.
- Confirm that the inner bushing are locked into the master bushings if applicable.
- Clear all personnel from the rig floor.
- Remove sign and open blind rams.
- Return the BOPE to its original operating alignment.

BOP Drills

- Drilling crews should conduct BOP drills weekly from BOP nipple up to TD for reaction time to properly simulate securing the well. Record BOP drills on that day's report.
- Standard precautions such as checking the accumulator for proper working pressure, function testing rams, and recording slow pump rates are performed on a daily basis or on trips..
- All supervisory personnel onsite need to be properly trained and currently hold certification from an approved blowout prevention school. Any deviation from this needs to be discussed prior to spud.
- Drillers should always notify the tool pusher and the drilling foreman before performing a blowout drill.

Choke Manifold Freeze Prevention

- When possible, blow out the choke & kill lines as well as the choke manifold with rig air to remove water based fluids.
- When clear water is being placed into the choke & kill line as well as the choke manifold, make sure that the water has a mixture of 30% methanol added.
- When applicable, choke & kill lines as well as choke manifold needs to be pumped through with the rig pump by the driller to ensure that the lines aren't plugged with settling barite or solids.

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description Effective May 25, 2021

I. Operator: Coterra Energy Operating Co **OGRID:** 215099 **Date:** 02/10/2026

II. Type: Original Amendment due to 19.15.27.9.D(6)(a) NMAC 19.15.27.9.D(6)(b) NMAC Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Bridge State Com 222H	NESE Sec 12 T20S, R36E	2559 FSL/1201 FEL	1194	657	2924	

IV. Central Delivery Point Name: Eastwood CTB (New) _____ [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Bridge State Com 222H		4/11/26	5/12/26	8/13/26	9/12/26	9/12/26

VI. Separation Equipment: Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system will will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator does does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

Attach Operator’s plan to manage production in response to the increased line pressure.

XIV. Confidentiality: Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system.

If Operator checks this box, Operator will select one of the following:

Well Shut-In. Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) power generation on lease;
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature:	<i>Shelly Bowen</i>
Printed Name:	<input type="text" value="Shelly Bowen"/>
Title:	<input type="text" value="Sr. Regulatory Analyst"/>
E-mail Address:	<input type="text" value="shelly.bowen@coterra.com"/>
Date:	2/10/2026
Phone:	<input type="text" value="432/620-1644"/>

OIL CONSERVATION DIVISION
(Only applicable when submitted as a standalone form)

Approved By:
Title:
Approval Date:
Conditions of Approval:

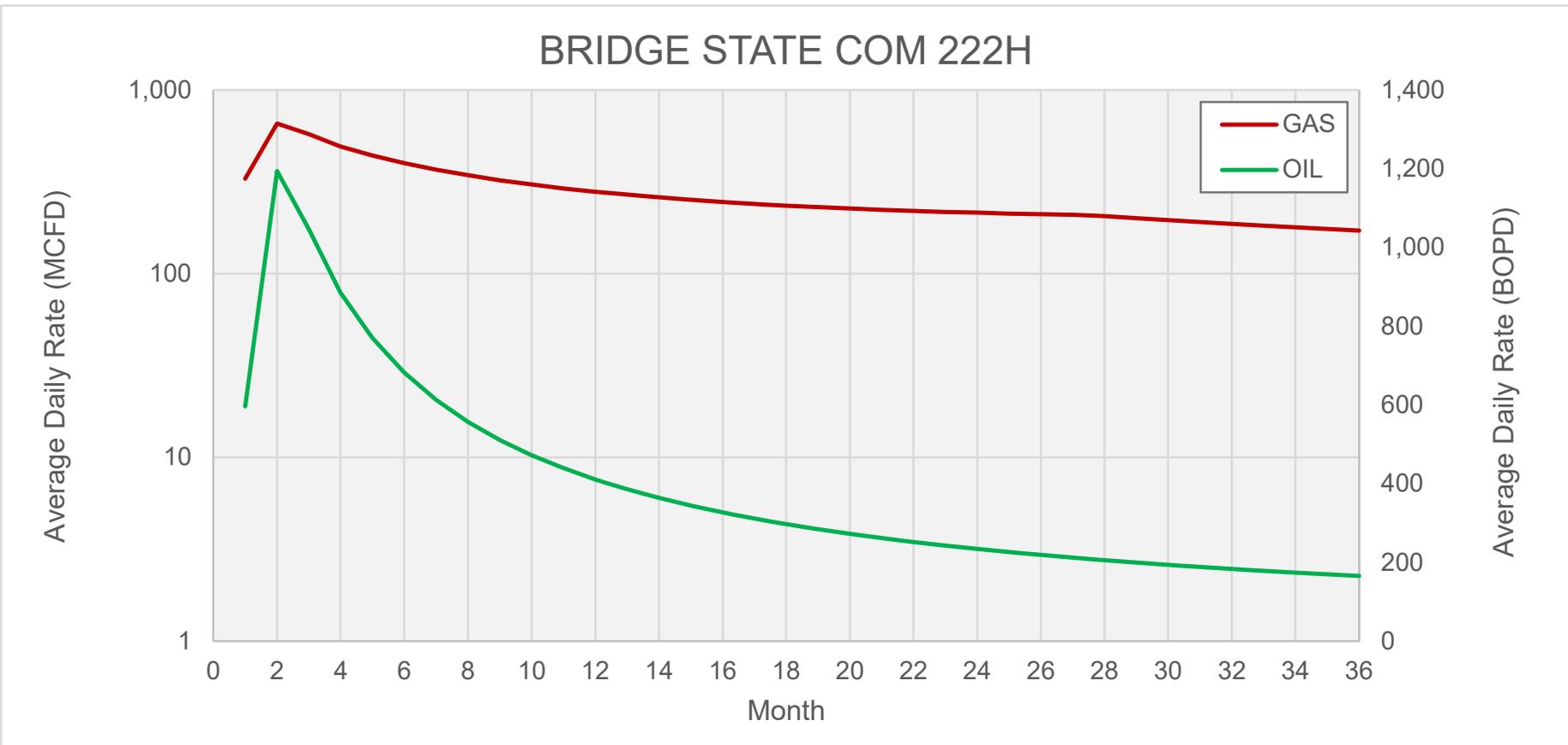
From State of New Mexico, Natural Gas Management Plan

VI. Separation Equipment: Attach a complete description of how Operator will size separation equipment to optimize gas capture.

XEC Standard Response

Standard facility gas process flow begins at the inlet separator. These vessels are designed based off of forecasted rates and residence times in accordance with, and often greater than, API 12J. The separated gas is then routed to an additional separation vessel (ie sales scrubber) in order to extract liquids that may have carried over or developed due to the decrease in pressure. The sales scrubber is sized based on API 521. From the sales scrubber, the gas leaves the facility and enters the gas midstream gathering network.

	BRIDGE STATE COM 222H	BRIDGE STATE COM 222H
Labels	GAS MCFD	OIL BOPD
1	328	597
2	657	1,194
3	575	1,045
4	493	886
5	440	770
6	399	682
7	368	613
8	343	557
9	322	511
10	305	472
11	291	439
12	279	411
13	269	386
14	260	364
15	252	344
16	245	327
17	240	311
18	234	297
19	230	284
20	226	272
21	223	262
22	220	252
23	217	243
24	215	234
25	213	226
26	211	219
27	209	212
28	206	206
29	201	200
30	196	194
31	191	189
32	187	184
33	183	179
34	179	174
35	175	170
36	172	166



Cimarex

VII. Operational Practices

Cimarex values the sustainable development of New Mexico's natural resources. Venting and flaring of natural gas is a source of waste in the industry, and Cimarex will ensure that its values are aligned with those of NMOCD. As such, Cimarex plans to take pointed steps to ensure compliance with Subsection A through F of 19.15.27.8 NMAC.

Specifically, below are the steps Cimarex will plan to follow under routine well commissioning and operations.

1. Capture or combust natural gas during drilling operations where technically feasible, using the best industry practices and control technologies.
 - a. All flares during these operations will be a minimum of 100ft away from the nearest surface-hole location.
2. All gas present during post-completion drill-out and flow back will be routed through separation equipment, and, if technically feasible, flare unsellable vapors rather than vent. Lastly, formal sales separator commissioning to process well-stream fluids and send gas to a gas flow line/collection system or use the gas for on-site fuel or beneficial usage, gas as soon as is safe and technically feasible.
3. Cimarex will ensure the flare or combustion equipment is properly sized to handle expected flow rates, ensure this equipment is equipped with an automatic or continuous ignition source, and ensure this equipment is designed for proper combustion efficiency.
4. If Cimarex must flare because gas is not meeting pipeline specifications, Cimarex will limit flaring to <60 days, analyze gas composition at least twice per week, and route gas into a gathering pipeline as soon as pipeline specifications are met.
5. Under routine production operations, Cimarex will not flare/vent unless:
 - a. Venting or flaring occurs due to an emergency or equipment malfunction.
 - b. Venting or flaring occurs as a result of unloading practices, and an operator is onsite (or within 30 minutes of drive time and posts contact information at the wellsite) until the end of unloading practice.
 - c. The venting or flaring occurs during automated plungerlift operations, in which case the Cimarex operator will work to optimize the plungerlift system to minimize venting/flaring.
 - d. The venting or flaring occurs during downhole well maintenance, in which case Cimarex will work to minimize venting or flaring operations to the extent that it does not pose a risk to safe operations.
 - e. The well is an exploratory well, the division has approved the well as an exploratory well, venting or flaring is limited to 12 months, as approved by the division, and venting/flaring does not cause Cimarex to breach its State-wide 98% gas capture requirement.
 - f. Venting or flaring occurs because the stock tanks or other low-pressure vessels are being gauged, sampled, or liquids are being loaded out.
 - g. The venting or flaring occurs because pressurized vessels are being maintained and are being blown-down or depressurized.
 - h. Venting or flaring occurs as a result of normal dehydration unit operations.

- i. Venting or flaring occurs as a result of bradenhead testing.
 - j. Venting or flaring occurs as a result of normal compressor operations, including general compressor operations, compressor engines and turbines.
 - k. Venting or flaring occurs as a result of a packer leakage test.
 - l. Venting or flaring occurs as a result of a production test lasting less than 24 hours unless otherwise approved by the division.
 - m. Venting or flaring occurs as a result of new equipment commissioning and is necessary to purge impurities from the pipeline or production equipment.
6. Cimarex will maintain its equipment in accordance with its Operations and Maintenance Program, to ensure venting or flaring events are minimized and that equipment is properly functioning.
7. Cimarex will install automatic tank gauging equipment on all production facilities constructed after May 25, 2021, to ensure minimal emissions from tank gauging practices.
8. By November 25, 2022, all Cimarex facilities equipped with flares or combustors will be equipped with continuous pilots or automatic igniters, and technology to ensure proper function, i.e. thermocouple, fire-eye, etc...
9. Cimarex will perform AVO (audio, visual, olfactory) facility inspections in accordance with NMOCD requirements. Specifically, Cimarex will:
 - a. Perform weekly inspections during the first year of production, and so long as production is greater than 60 MCFD.
 - b. If production is less than 60 MCFD, Cimarex will perform weekly AVO inspections when an operator is present on location, and inspections at least once per calendar month with at least 20 calendar days between inspections.
10. Cimarex will measure or estimate the volume of vented, flared or beneficially used natural gas, regardless of the reason or authorization for such venting or flaring.
11. On all facilities constructed after May 25, 2021, Cimarex will install metering where feasible and in accordance with available technology and best engineering practices, in an effort to measure how much gas could have been vented or flared.
 - a. In areas where metering is not technically feasible, such as low-pressure/low volume venting or flaring applications, engineering estimates will be used such that the methodology could be independently verified.
12. Cimarex will fulfill the division's requirements for reporting and filing of venting or flaring that exceeds 50 MCF in volume or last eight hours or more cumulatively within any 24-hour period.

VIII. Best Management Practices to minimize venting during active and planned maintenance

Cimarex strives to ensure minimal venting occurs during active and planned maintenance activities. Below is a description of common maintenance practices, and the steps Cimarex takes to limit venting exposure.

- **Workovers:**
 - Always strive to kill well when performing downhole maintenance.
 - If vapors or trapped pressure is present and must be relieved then:
 - Initial blowdown to production facility:
 - Route vapors to LP flare if possible/applicable
 - Blowdown to portable gas buster tank:
 - Vent to existing or portable flare if applicable.

- **Stock tank servicing:**
 - Minimize time spent with thief hatches open.
 - When cleaning or servicing via manway, suck tank bottoms to ensure minimal volatiles exposed to atmosphere.
 - Connect vacuum truck to low pressure flare while cleaning bottoms to limit venting.
 - Isolate the vent lines and overflows on the tank being serviced from other tanks.

- **Pressure vessel/compressor servicing and associated blowdowns:**
 - Route to flare where possible.
 - Blow vessel down to minimum available pressure via pipeline, prior to venting vessel.
 - Preemptively changing anodes to reduce failures and extended corrosion related servicing.
 - When cleaning or servicing via manway, suck vessel bottoms to ensure minimal volatiles exposed to atmosphere.

- **Flare/combustor maintenance:**
 - Minimize downtime by coordinating with vendor and Cimarex staff travel logistics.
 - Utilizing preventative and predictive maintenance programs to replace high wear components before failure.
 - Because the flare/combustor is the primary equipment used to limit venting practices, ensure flare/combustor is properly maintained and fully operational at all times via routine maintenance, temperature telemetry, onsite visual inspections.

The Cimarex expectation is to limit all venting exposure. Equipment that may not be listed on this document is still expected to be maintained and associated venting during such maintenance minimized.

Coterra: H2S Plan



H2S Drilling Operations Plan

Training

All company and contract personnel admitted on location must be trained by a qualified H2S safety instructor to do the following:

1. Characteristics of H2S
2. Physical effects and hazards
3. Principle and operation of H2S detectors, warning system, and briefing areas
4. Evacuation procedure, routes and first aid
5. Proper use of safety equipment & life support systems
6. Essential personnel meeting Medical Evaluation criteria will receive additional training on the proper use of 30 minute pressure demand air packs.

H2S Detection and Alarm Systems

1. H2S sensors/detectors to be located on the drilling rig floor, in the base of the sub structure/cellar area, on the mud pits in the shale shaker area. Additional H2S detectors may be placed as deemed necessary
2. An audio alarm system will be installed on the derrick floor and in the top doghouse

Windsock and/or wind streamers

1. Windsock at mudpit area should be high enough to be visible
2. Windsock on the rig floor and / or top of doghouse should be high enough to be visible

Condition Flags & Signs

1. Warning signs on access road to location
2. Flags are to be displayed on sign at the entrance to location. Green flag indicates normal safe condition. Yellow flag indicates potential pressure and danger. Red flag indicates

Coterra: H2S Plan

danger (H2S present in dangerous concentration). Only H2S trained and certified personnel admitted to location.

Well Control Equipment

1. See the pressure control section of this submission.

Communication

1. While working under masks, chalkboards will be used for communication
2. Hand signals will be used where chalk board is inappropriate.
3. Two way radio will be used to communicate off location in case emergency help is required. In most cases, cellular telephones will be available at most drilling foreman's trailer or living quarters.

Drillstem Testing

1. No DSTs or cores are planned at this time
2. Drilling contractor supervisor will be required to be familiar with the effects that H2S has on tubular goods and other mechanical equipment.
3. If H2S is encountered, mud system will be altered if necessary to maintain control of the well. A mud gas separator will be brought into service along with H2S scavenger if necessary.

Coterra: H2S Plan

H2S Contingency Plan

Emergency Procedures

In the event of an H2S release, the first responder(s) must:

1. Isolate the area and prevent entry by other persons into the 100 PPM ROE.
2. Evacuate any public places encompassed by the 100 PPM ROE.
3. Be equipped with H2S monitors and air packs in order to control the release.
4. Use the buddy system
5. Take precautions to avoid personal injury during this operation
6. Contact operator and/or local officials to aid in operation. See list of emergency contacts attached.
7. Have received training the detection of H2S, measures for protection against the gas, and equipment used for protection and emergency response

Ignition of the Gas Source

1. Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO₂). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally, the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever there is an ignition of the gas

Contacting Authorities

1. Coterra personnel must liaise with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours.
2. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available including directions to site. The following call list of essential and potential responders has been prepared for use during a release. Coterra's response must be in coordination with the State of New Mexico's "Hazardous Materials Emergency Response Plan" (HMER).

Coterra: H2S Plan

Emergency Contacts

Coterra Energy

Charlie Pritchard: Drilling Operations Manager: 432 – 238 – 7084

Darrell Kelly: Vice President EHS: 281 – 589 – 5795

Third Party

PERMIAN REGION CONTACT NUMBERS					
CALL 911					
Air Ambulance Services					
Reeves County Medical - Pecos, TX		432-447-3551			
Aero Care - Midland, TX		800-627-2376			
Tri State Care Flight- Artesia, NM		800-800-0900			
Air Methods - Hobbs, NM		800-242-6199			
Fire / Police / Medical Care					
Sheriff's Office		Fire Departments		Hospital / Medical Care Facilities	
Andrews County	432-523-5545	Andrews	432-523-3111	Permian Regional Med.	432-523-2200
Reagan County	325-884-2929	Big Lake	325-884-3650	Reagan Memorial Hosp.	325-884-2561
Howard County	432-264-2244	Big Springs	432-264-2303	Scenic Mountain Med Ctr	432-263-1211
Terry County	806-637-2212	Brownfield	806-637-6633		
Crane County	432-558-3571	Crane	432-558-2361	Crane Memorial Hosp.	432-558-3555
Val Verde County	830-774-7513	Del Rio	830-774-8648	Val Verde Regional Med.	830-775-8566
		Denver City	806-592-3516	Yoakum County Hospital	806-592-2121
Pecos County	432-336-3521	Ft Stockton	432-336-8525		
Glasscock County	432-354-2361	Garden City			
Winkler County	432-586-3461	Kernit	432-586-2577	Winkler County Memorial	432-586-5864
		McCamey	432-652-8232	McCamey Hospital	432-652-8626
Loving County	432-377-2411	Mentone			
Irion County	325-835-2551	Mertzton			
Ward County	432-943-6703	Monahans	432-943-2211	Ward Memorial Hospital	432-943-2511
Ector County	432-335-3050	Odessa	432-335-4650	Odessa Regional Hosp.	432-582-8340
Crocket County	325-392-2661	Ozona	325-392-2626		
Reeves County	432-445-4901	Pecos	505-757-6511	Reeves County Hospital	432-447-3551
Yoakum County	806-456-2377	Plains	806-456-2288		
Garza County	806-495-3595	Post			
Upton County	432-693-2422	Rankin			
Coke County	915-453-2717	Robert Lee			
		Roscoe	325-766-3931		
Hockley County	806-894-3126	Levelland	806-894-3155	Covenant Health	806-894-4963
Tom Green County	325-655-8111	San Angelo	325-657-4355	San Angelo Comm. Med.	325-949-9511
Gaines County	432-758-9871	Seminole	432-758-3621	Memorial Hospital	432-758-5811
Terrell County	432-345-2525	Sanderson			
Scurry County	325-573-3551	Snyder	325-573-3546	DM Cogdell Memorial	325-573-6374
Sterling County	325-378-4771	Sterling City			
Nolan County	325-235-5471	Sweetwater	325-235-8130	Rolling Plains Memorial	325-235-1701
Culberson County	432-283-2060	Van Horn		Culberson Hospital	432-283-2760
New Mexico					
Lea County	505-396-3611	Knowles	505-392-7469	Lea Reg Med Ctr	575-492-5000
Eddy County	575-887-7551	Carlsbad	575-885-3125	Carlsbad Medical	575-887-4100
		Artesia	575-746-5050	Artesia Hospital	575-748-3333
Roosevelt County	575-356-4408				
Chaves County	575-624-7590				
Ground Ambulance Services					
Reeves County Medical		Pecos, TX		432-447-3551	