Form 3160-3 FORM APPROVED OMB No. 1004-0137 (June 2015) Expires: January 31, 2018 **UNITED STATES** DEPARTMENT OF THE INTERIOR 5. Lease Serial No. BUREAU OF LAND MANAGEMENT APPLICATION FOR PERMIT TO DRILL OR REENTER 6. If Indian, Allotee or Tribe Name 7. If Unit or CA Agreement, Name and No. DRILL REENTER 1a. Type of work: 1b. Type of Well: Oil Well Gas Well Other 8. Lease Name and Well No. 1c. Type of Completion: Hydraulic Fracturing Single Zone Multiple Zone 2. Name of Operator 9. API Well No. 30-025-53022 3a. Address 3b. Phone No. (include area code) 10. Field and Pool, or Exploratory 4. Location of Well (Report location clearly and in accordance with any State requirements.*) 11. Sec., T. R. M. or Blk. and Survey or Area At surface At proposed prod. zone 14. Distance in miles and direction from nearest town or post office* 12. County or Parish 13. State 15. Distance from proposed* 16. No of acres in lease 17. Spacing Unit dedicated to this well location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 18. Distance from proposed location* 19. Proposed Depth 20. BLM/BIA Bond No. in file to nearest well, drilling, completed, applied for, on this lease, ft. 21. Elevations (Show whether DF, KDB, RT, GL, etc.) 22. Approximate date work will start* 23. Estimated duration 24. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable) 1. Well plat certified by a registered surveyor. 4. Bond to cover the operations unless covered by an existing bond on file (see 2. A Drilling Plan. Item 20 above). 3. A Surface Use Plan (if the location is on National Forest System Lands, the 5. Operator certification. SUPO must be filed with the appropriate Forest Service Office). 6. Such other site specific information and/or plans as may be requested by the 25. Signature Name (Printed/Typed) Date Title Approved by (Signature) Date Name (Printed/Typed) Title Office Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Conditions of approval, if any, are attached. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction APPROVED WITH CONDITIONS

*(Instructions on page 2)

(Continued on page 2)

District I

1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III

1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-53022	² Pool Code 98094	BOBCAT DRAW; ³ Pool Name BOBCAT DRAW; UPPER WOLI	FCAMP
4 Property Code 314104	⁵ Pr CASCAI	⁶ Well Number 413H	
⁷ OGRID No. 215099		perator Name EX ENERGY CO.	⁹ Elevation 3374.3'

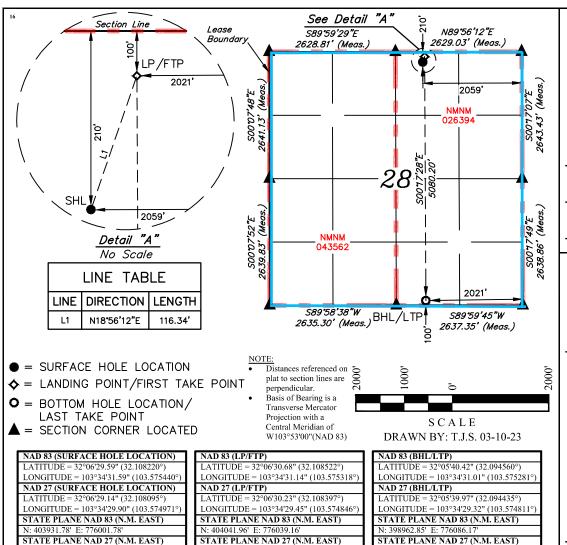
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
В	28	25S	33E		210	NORTH	2059	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no. O	Section 28	n T	Township 25S	Range 33E	Lot Idn	Feet from 100	the	North/South line SOUTH	Feet from the 2021	East/West line WEST	County LEA
12 Dedicated Acre 640	es	13 Joint	t or Infill	14 Conso	lidation Code	15 Ord	er No.				

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



N: 403984.21' E: 734852

¹⁷OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Shelly M. Bowen 7/10/23

Signature Date

Shelly M. Bowen

Printed Name

shelly.bowen@coterra.com

E-mail Address

¹⁸SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

January 24, 2018

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number:

N: 398905.22' E: 734899.69'

N: 403874.03' E: 734815.63'

I. Operator:

State of New Mexico Energy, Minerals and Natural Resources Department

Submit Electronically Via E-permitting

07/5/2023

Date:

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

OGRID: 215099

I. Operator: Cimare	ex Energy Company		OGRID: 21	5099	Date: _	07/5/2023
II. Type: X Origin	nal □ Amendmer	nt due to □ 19.15.27.9	0.D(6)(a) NMA	C □ 19.15.27.9.D	(6)(b) NMAC □	Other.
If Other, please descri	ribe:					
		information for each noad or connected to a connect			f wells proposed t	to be drilled or proposed
Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Cascade 28 Federal 413H		B, Sec 28 T25S, R33E	210 FNL/2059	FEL 2000	3900	5000
		single well pad or con			nt. Initial F	
C 1 20 F- 11 412H		12/25/2024		1/28/2025	2/13/20	
Cascade 28 Federal 413H		12/25/2024	1/12/2025	1/28/2023	2/13/20	23 2/13/2023
VII. Operational Programme Subsection A through	ractices: Attach F of 19.15.27.8	ch a complete descrip NMAC.	otion of the act	ions Operator wil	l take to comply	at to optimize gas capture. with the requirements of tices to minimize venting

Section 2 **Enhanced Plan**

			E APRIL 1, 2022		
	2022, an operator the complete this section		with its statewide natural ga	as capt	ure requirement for the applicable
	s that it is not require for the applicable re		tion because Operator is in o	complia	ance with its statewide natural gas
IX. Anticipated Na	tural Gas Producti	on:			
W	ell	API	Anticipated Average Natural Gas Rate MCF/D)	Anticipated Volume of Natural Gas for the First Year MCF
X. Natural Gas Ga	thering System (NC	GGS):			
Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Avai	ilable Maximum Daily Capacity of System Segment Tie-in
production operation the segment or portion in the Segment or portion in the Segment or portion in the Segment of the Segment	on of the existing or poor of the natural gas The natural gas gas from the well prior to	blanned interconnect of the gathering system will the the date of first product	he natural gas gathering systewhich the well(s) will be considered will not have capacity to gotion.	em(s), anected.	ed pipeline route(s) connecting the and the maximum daily capacity of 00% of the anticipated natural gas the same segment, or portion, of the
					ressure caused by the new well(s).
☐ Attach Operator'	s plan to manage pro	oduction in response to the	ne increased line pressure.		
Section 2 as provide	ed in Paragraph (2) of		27.9 NMAC, and attaches a f		78 for the information provided in cription of the specific information

Section 3 - Certifications Effective May 25, 2021

fter reasonable inquiry and based on the available information at the time of submittal:
to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering
able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one nticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. box, Operator will select one of the following:
or will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection or
an. □ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential as for the natural gas until a natural gas gathering system is available, including: power generation on lease; power generation for grid; compression on lease; 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.

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.

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:

- o Always strive to kill well when performing downhole maintenance.
- o 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:

- o 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.
- o Isolate the vent lines and overflows on the tank being serviced from other tanks.

• Pressure vessel/compressor servicing and associated blowdowns:

- o Route to flare where possible.
- o 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.

Well Name: CASCADE 28 FEDERAL Well Number: 413H

Pressure Rating (PSI): 10M Rating Depth: 12590

Equipment: A BOP consisting of three rams, including one blind ram and two pipe rams and one annular preventer. An accumulator that meets the requirements in Onshore Order #2 for the pressure rating of the BOP stack. A rotating head may be installed as needed. A Kelly clock will be installed and maintained in operable condition and a drill string safety valve in the open position will be available on the rig floor.

Requesting Variance? NO

Variance request:

Testing Procedure: A multi-bowl wellhead will be utilized and will be tested per 43 CFR 3172 after the installation on the surface casing. The testing interval shall be for 30 days. Whenever any seal subject to pressure is broken, a full BOPE test shall be performed.

Choke Diagram Attachment:

CHOKE_MANIFOLD_DIAGRAM_413H_20240423124723.pdf

COTERRA_10M_MBU_3T_CFL_10.34_X_7.58_X_5.5_413H_20240423124724.pdf

CIMAREX_10K_PROD_TREE_413H_20240423124724.pdf

CHOKE_HOSE_M14856_413H_20240423124727.pdf

BOP Diagram Attachment:

BOP_DIAGRAM_413H_20240423124736.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	14.7 5	10.75	NEW	API	N	0	1170	0	1170	3374	2204	1170	J-55	40.5	BUTT	3.12	6.18	BUOY	13.2 7	BUOY	13.2 7
2	PRODUCTI ON	6.75	5.5	NEW	API	Y	0	11952	0	11952	3374	-8578	11952	P- 110	20	BUTT	1.43	1.59	BUOY	2.83	BUOY	2.83
3	INTERMED IATE	9.87 5	7.625	NEW	API	N	0	12515	0	12456	3374	-9082	12515	L-80	29.7	BUTT	2.44	1.18	BUOY	1.79	BUOY	1.79
4	PRODUCTI ON	6.75	5.0	NEW	API	Y	11952	17441	11952	12590	-8578	-9216	l	P- 110	18	BUTT	1.64	1.66	BUOY	50.5 1	BUOY	50.5 1

Casing Attachments

Well Name: CASCADE 28 FEDERAL Well Number: 413H

Casino	Attachments
Casilla	i Allaciiii c iilə

Casing ID: 1

String

SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing ID: 2

String

PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Spec_Sheet_for_Tapered_Prod_5.5_23__P110RY_20240423125401.pdf

Casing Design Assumptions and Worksheet(s):

Casing ID: 3

String

INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing_Assumptions_413H_20240423125214.pdf

Well Name: CASCADE 28 FEDERAL Well Number: 413H

Casing Attachments

Casing ID: 4

String

PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

 $5.0_in_18.00_Tapered_Prod_Spec_Sheet_20240423125600.pdf$

Casing Design Assumptions and Worksheet(s):

Spec_Sheet_for_Tapered_Prod_5_18__P110RY_03262024_20240423125611.pdf

Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Lead		0	0	0	0	0	0	0	0	0
PRODUCTION	Tail		1195 2	1744 1	711	1.3	14.2	924	25	Tail: 50:50 (Poz:H)	Salt + Bentonite + Fluid Loss + Dispersant + SMS
PRODUCTION	Lead		0	0	0	0	0	0	0	0	0

SURFACE	Lead	0	745	455	1.72	13.5	782	45	Class C	Bentonite
SURFACE	Tail	745	1045	121	1.34	14.8	162	45	Class C	LCM
INTERMEDIATE	Lead	0	1251 5	991	3.64	10.3	3607	49	Tuned Light	LCM
INTERMEDIATE	Tail	1251 5	1351 5	207	1.3	14.2	269	49	50:50 POZ:H	Salt, Bentonite, Fluid Loss, Dispersant, SMS

Well Name: CASCADE 28 FEDERAL Well Number: 413H

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

Describe what will be on location to control well or mitigate other conditions: Sufficient mud materials will be kept on location at all times in order to combat lost circulation or unexpected kicks. In order to run DSTs, open hole logs, and casing, the viscosity and water loss may have to be adjusted in order to meet these needs.

Describe the mud monitoring system utilized: PVT/Pason/Visual Monitoring

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (Ibs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	ЬН	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	1170	OTHER : Fresh Water	7.83	8.33				25			
1170	1251 5	OTHER : Brine Diesel Emulsion	8.5	9				25			
1251 5	1744 1	OIL-BASED MUD	12	12.5				25			

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

No DST Planned

List of open and cased hole logs run in the well:

GAMMA RAY LOG, DIRECTIONAL SURVEY,

Coring operation description for the well:

N/A

Well Name: CASCADE 28 FEDERAL Well Number: 413H

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 8183 Anticipated Surface Pressure: 5472

Anticipated Bottom Hole Temperature(F): 193

Anticipated abnormal pressures, temperatures, or potential geologic hazards? YES

Describe:

Lost circulation may be encountered in the Delaware mountain group. Abnormal pressure as well as hole stability issues may be encountered in the Wolfcamp.

Contingency Plans geoharzards description:

Lost circulation material will be available, as well as additional drilling fluid along with the fluid volume in the drilling rig pit system. Drilling fluid can be mixed on location or mixed in vendor mud plant and trucked to location if needed. Sufficient barite will be available to maintain appropriate mud weight for the Wolfcamp interval.

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

H2S_PLAN_REV.0_20240423131025.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Cascade_413H_Directional_Plan_20230825090741.pdf

Cascade_413H_AC_Summary_20230825090903.pdf

WELL_CONTROL_PLAN_REV.0_20240423131204.pdf

Drilling_Plan_New_Mexico_413H_updated_Drilling_Plan_04222024_20240423131216.pdf

Other proposed operations facets description:

Other proposed operations facets attachment:

Cascade_413H_NGMP_20230825090751.pdf

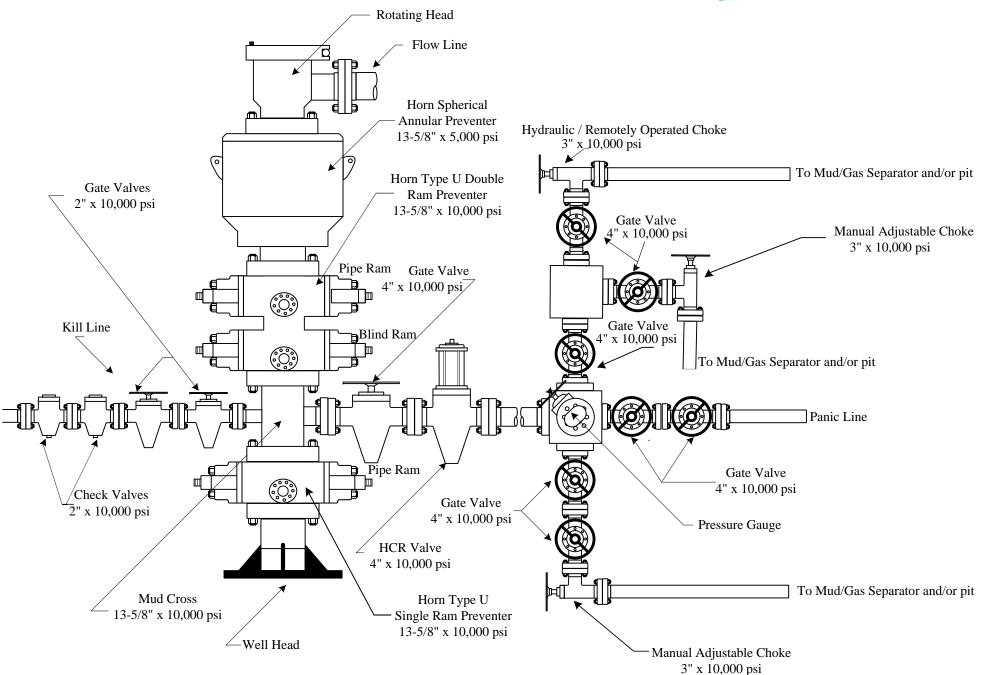
Other Variance attachment:

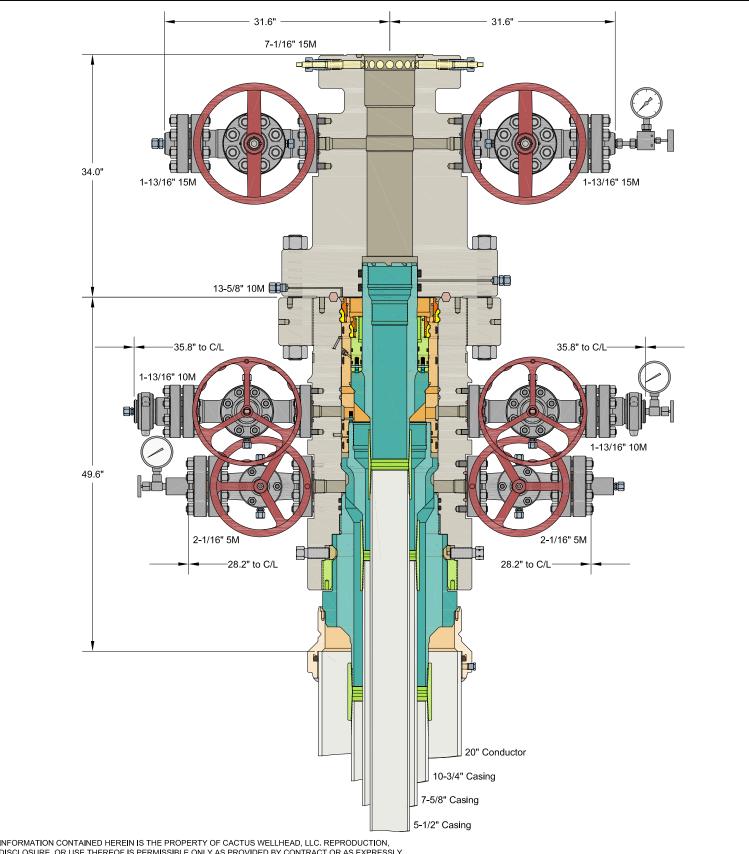
NEW_MEXICO_STANDARD_VARIANCES_Cascade_Wells_20240423131231.pdf CHOKE_HOSE_M14856_413H_20240423131246.pdf



Received by OCD: 5/23/2024 9:40:12 AM







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ALL DIMENSIONS APPROXIMATE

COTERRA ENERGY INC CACTUS WELLHEAD LLC HOBBS, NM VJK 07JUL23 DRAWN 20" x 10-3/4" x 7-5/8" x 5-1/2" MBU-3T-CFL-R-DBLO-SF Wellhead APPRV With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS-SB Tubing Head DRAWING NO. HBE0000965 And 7-5/8" & 5-1/2" Mandrel Casing Hangers



Hobbs, NM 4120 W Carlsbad Hwy Hobbs NM 88240 Phone: 817-682-8336 Quote Number: HBE0000965

Date: 07/07/2023

Valid For 30 Days

Page 1 of 8

Bill To: 7035

COTERRA ENERGY INC PO BOX 4544 Attn: GULF COAST OFFICE HOUSTON TX 77210 US Ship To: 0

COTERRA ENERGY INC PO BOX 4544 Attn: GULF COAST OFFICE HOUSTON TX 77210

US

Quantity Price

Ext Price

COTERRA ENERGY INC DAVID SHAW

HOBBS, NM

MBU-3T-CFL-R SAFEDRILL® WELLHEAD SYSTEM 20" X 10-3/4" X 7-5/8" X 5-1/2"

QUOTATION SUMMARY:

- MBU-3T-CFL ASSEMBLY \$29,839.64
- CASING HANGERS & PACKOFFS \$12,581.24
- TUBING HEAD ASSEMBLY \$19,367.17

CACTUS CONTACT: RILEY STAFFORD OFFICE: 405.708.7217 MOBILE: 405.445.2222

EMAIL: riley.stafford@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 PRO RATA FREIGHT AND OTHER APPLICABLE MILEAGE AND SERVICE CHARGES THAT MAY BE CHARGED AT TIME OF INVOICING.



Hobbs, NM 4120 W Carlsbad Hwy Hobbs NM 88240 Phone: 817-682-8336 Quote Number: HBE0000965

Price

Quantity

Date: 07/07/2023

Valid For 30 Days

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Ext Price

		Quantity	Price	Ext Price
	MBU-3T-CFL ASSEMBLY			
	WIDO-31 CLE ASSEMBET			
1	122079P2	1.00	12,026.00	12,026.00
	HSG,CW,MBU-3T-CFL-R-DBLO-SF,13-3/8,13-5/8 10M,W/TWO 1-13/16 10M FP UPR & TWO 10M THD FLG,6A-PU-AA-2-2			
2	126808P2	0.00	12,168.80	0.00
	HSG,CW,MBU-3T-CFL-R-DBLO-SF,13-3/8,13-5/8 10M,W/TWO 1-13/16 10M FP UPR & TWO 10M THD FLG,TEMP PU,MATL EE,PSL2,PR2	2-1/16 5M FP L	WR,W/O 13-5/8	
3	110578	1.00	2,590.00	2,590.00
	$FLG, THD, 13-5/8\ 10M\ W/21.750-2\ STUB\ ACME-2G\ L.H.\ BOX\ THD, 31.00\ OD, 4130\ 75K\ \&\ I/T$	@ -75 DEG F		
1	120455	1.00	2,789.92	2,789.92
	LANDING RING,CW,CTF/MBU-T/3T,20 SOW X 20 SN X 18.13 ID,750K MAX LOAD CAPAC	CITY		
5	130791	1.00	3,990.00	3,990.00
	CSGHGR,CW,MBU-3T-CFL-R,13-3/8,10-3/4 (40.5#) BC PIN BTM X 14.000-2 STUB ACME-20 BORE,4140 110K,TEMP U,MATL AA,PSL2,PR2	G LEFT HAND P	PIN TOP,10.040	MIN
6	NOTE: ACCEPTABLE FOR USE WITH 10-3/4 (45.5#) BC J/K-55 CASING 133772	2.00	950.00	1,900.00
,	VLV,AOZE,GEN,M-EXP-FB,2-1/16 3/5M FE DD (6A LU DD PSL2 PR1) QPQ TRIM & 4130 S		730.00	1,700.00
7	200002	2.00	120.00	240.00
,	FLG,COMP,CW,2-1/16 5M X 2 LP,6A-KU-EE-1	2.00	120.00	240.00
3	BP2T	2.00	42.48	84.96
,	BULL PLUG,CW,2 LP X 1/2 NPT,API 6A DD	2.00	12.10	01.70
9	100048	1.00	59.74	59.74
,	FTG,GRS,VENTED CAP,1/2 NPT,4140 -50F W/ELECTROLESS NICKEL COATING NACE,K-SPRING			
10	R24	4.00	8.82	35.28
	RING GASKET,R24,2-1/16 3/5M			
11	780067-20E1	16.00	14.70	235.20
	STUD,ALL-THD W/2 HVY HEX NUTS,BLK,7/8-9UNC X 6-1/2,API 20E BSL-1 ASTM A193 CAPI 20E BSL-1 ASTM A194 GR 2H HEAVY HEX NUTS,NO PLATING	R B7 ALL THR	EAD STUD W/2	
12	107412MV	2.00	2,017.00	4,034.00
	VLV,CW,SB100,1-13/16 10M FE BB/EE-0,5 (API 6A LU BB/EE-0,5 PSL2 PR2) QPQ TRIM, AI HOLE)		`	
13	122007	2.00	685.00	1,370.00
	ADPT,CW,CFH,1-13/16 10M X 2 FIG 1502 X 1/2 NPT,NACE SVC,TEMP PU, PSL2			
14	100048	1.00	59.74	59.74
	FTG,GRS,VENTED CAP,1/2 NPT,4140 -50F W/ELECTROLESS NICKEL COATING NACE,K-SPRING			
15	BX151	4.00	12.77	51.08
	RING GASKET,BX151,1-13/16 10/15/20M			

07/07/2023



Quotation

Hobbs, NM 4120 W Carlsbad Hwy Hobbs NM 88240 Phone: 817-682-8336 Quote Number: HBE0000965

Date:

Valid For 30 Days

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		Quantity	Price	Ext Price
16	780080-20E1	16.00	9.13	146.08
	STUD,ALL-THD W/2 HVY HEX NUTS,BLK,3/4-10UNC X 5-1/2,API 20E BSL-1 A API 20E BSL-1 ASTM A194 GR 2H HEAVY HEX NUTS,NO PLATING	STM A193 GR B7 ALL THR	EAD STUD W	/2
17	NVA	2.00	55.58	111.16
	NEEDLE VALVE,MFA,1/2 10M			
18	PG5M	1.00	58.24	58.24
	PRESSURE GAUGE,5M,4-1/2 FACE,LIQUID FILLED,1/2 NPT			
19	PG10M	1.00	58.24	58.24
	PRESSURE GAUGE,10M,4-1/2 FACE, LIQUID FILLED,1/2 NPT			
20	132804	0.00	8,024.00	0.00
	RISER ADPT,CW,LRA,20.12 DBLO X 20 SOW TOP X 19.5 ID,8.5 LG,W/8 1-8 UNCORINGS & 1/2 NPT TEST PORT,300 PSI MAX WP,A/F 20.12 LANDING RING	C-2B TAP HOLES,5.00 DEE	P PKT W/1/2	
	NOTE: THE AFOREMENTIONED ITEM IS A ONE TIME CHARGE PER RIG; PRI	ICE NOT INCLUDED IN TH	E TOTAL.	29,839.64
	CASING HANGERS & PACKOFFS			
21	130916	1.00	2,075.00	2,075.00
	CSGHGR,CW,MBU-3T-LWR-TP8,FLUTED,13-5/8 X 7-5/8 (29.7#) BC PIN BTM X TOP,W/11-1/2 OD NECK,4140 110K,TEMP U,MATL AA,PSL2,PR2	10.250-4 STUB ACME-2G R	IGHT HAND I	BOX
22	130570	1.00	4,006.24	4,006.24
	PACKOFF,CW,MBU-3T,MANDREL,13-5/8 NESTED X 11,W/11.250-4 STUB ACM DEEPER GALLERY,4140 110K,STD SVC,NON-NACE			
23	137978	1.00	4,550.00	4,550.00
	CSGHGR,CW,MBU-3T-TP8-UPR,SN,7-5/8,FLUTED,11 NESTED X 5-1/2 (23#) BK RIGHT HAND BOX TOP & 5 HBPV THD,SPEC FOR ROTATING CASING STRIN	IG,4140 125K,TEMP U,MAT		2
24	131863	0.00	5,728.80	0.00
	RUN TOOL,CW,CSGHGR,TP8,6.125-4 STUB ACME-2G RIGHT HAND PIN BTM BORE & MAX LOAD CAPACITY 580K,MAX TORQUE 33000 FT-LBS,SPEC FOR	` /	*	
	NOTE:MAX CASING CONNECTION TORQUE PER THREADERS SPEC			
25	115867	1.00	1,950.00	1,950.00
	PACKOFF,CW,CTF-MBU-3T,11,A/F 7.75 SEAL PREP,W/8.750-4 STUB ACME-2G	G LH BOX TOP,A/F LANDIN	IG ON 45 DEG	
	SHOULDER ON HANGER,4130 80K,NACE SVC,PSL2			12,581.24
	RENTAL TOOLS			,
26	AR4 3T-CFL DT 10-3/4 X 7-5/8 X 5-1/2 MAN	0.00	2,250.00	0.00
	MBU-3T-R RENTAL TOOLS = \$2,250.00 PER WELL FOR THE FIRST 45 DAYS; \$	\$195.00 PER DAY THEREAI	FTER	
	RENTAL TOOLS INCLUDE THE FOLLOWING ITEMS:			
	PN 119126: LIFT RING,CSGHGR,CFL-R,W/14.000-2 STUB ACME-2G LEFT HAN	D THDS,4140 110K		

PN 121275: RUN TOOL,CW,CSGHGR,MBU-3T-CFL-R,10-3/4 BC BOX TOP X 14.000-2 STUB ACME-2G LH BOX LANDING



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Quantity

Price

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THD,10.00 MIN BORE

PN 118178: TORQUE COLLAR, CW, CSGHGR, MBU-3T-CFL-R, F/16 NECK, 4140 110K

PN 104467: COMB TEST PLUG/RET TOOL,CW,13-5/8 X 4-1/2 IF (NC50) BOX BTM & TOP,W/1-1/4 LP BYPASS & SPRING LOADED DOGS

PN 122539: WBUSH,CW,MBU-3T,LWR,13-5/8 X 10. 00 ID X 27.0 LG,W/3/8 UPR ORING & W/O 2.38 GROOVE

PN 121602: RUN TOOL,CW,CSGHGR,TP4,13-5/8 X 7-5/8 BC BOX TOP,10.250-4 STUB ACME-2G RIGHT HAND PIN BTM,MAX LOAD CAPACITY 1000K,MAX TORQUE 18000FT-LBS,SPEC FOR ROTATING CASING STRING

PN 118906: TORQUE COLLAR, CW, F/USE W RUN TOOL, TP, 10.250-4 STUB ACME-2G RIGHT HAND PIN BTM AND A/F 11.50 OD X 5.00 LG BOX HGR NECK, MAXIMUM TORQUE 48000 LBF-FT

PN 106277: WASH TOOL,CW,MBU-3T-LR,MBS2 & FLUTED,13-5/8 X 4-1/2 IF (NC50) BOX TOP THD,W/BRUSHES

PN 119451: RUN TOOL,CW,PACKOFF,MBU-3T-UPR,13-5/8 STACK,W/11.250-4 STUB ACME-2G LEFT HAND PIN BTM X 4-1/2 IF (NC50) BOX TOP,W/3/8 BALL BEARINGS

PN 125190: TEST PLUG,CW,MBU-3T INNER,11 X 4-1/2 IF (NC50) BOX BTM & TOP,W/1-1/4 LP BYPASS

PN 123959: WBUSH,CW,MBU-3T(-ONE),UPR,NESTED,13-5/8 X 11 X 7.00 ID X 20.0 LG,A/F 13-5/8 RET TOOL,W/1/4 DRILL HOLES

PN 117319: TORQUE COLLAR, CW, CSGHGR, F/USE W/7.62 OD X 15.38 LG BOX HGR NECK AND 10.83 OD RUNNING TOOL, MAXIMUM TORQUE 35000 LBF-FT

PN 103164: WASH TOOL,CW,CSGHGR,MBU-2LR/MBS2-R (3T),FLUTED,11 X 4-1/2 IF (NC50) BOX TOP THDS,FAB,200 PSI MAX WP

PN 117306: RUN TOOL, CW, PACKOFF, MBU-3T-SN, 7-5/8, W/8.750-4 STUB ACME-2G LEFT HAND PIN BTM X 4-1/2 IF (NC50) BOX TOP, W/BALL BEARINGS

PN 116240: SUB,CROSSOVER,CW,5 HBPV PIN THD BTM X 4-1/2 IF (NC50) BOX TOP,18.0 LG,4140 110K

NOTE: CUSTOMER RESPONSIBLE FOR LOST OR DAMAGED BEYOND REPAIR TOOLS. RENTAL CHARGES MAY NOT BE APPLIED TO THE PURCHASE PRICE OF EQUIPMENT.

0.00

SAFEDRILL® DRILLING ADAPTER

27 8Q 13 10M X 13 10M CQC ADPT (45D)

0.00 1,700.00

0.00

SAFEDRILL® DRILLING ADAPTER RENTAL PACKAGE = \$1,700.00 PER WELL FOR THE FIRST 45 DAYS; \$65.00 PER DAY THEREAFTER.

RENTAL TOOLS CONSIST OF THE FOLLOWING ITEMS:

PN 116966: ADPT,DRLG,CW,MBU-3T,13-5/8 10M QUICK CONNECT BTM X 13-5/8 10M STD TOP,TEMP RATING PU

PN 116992: HUB,CW,THD,MBU-3T,13-5/8 10M,W/21.750-2 STUB ACME-2G L.H. BOX THD

NOTE: CUSTOMER RESPONSIBLE FOR LOST, DAMAGED, OR BEYOND REPAIR RENTAL EQUIPMENT. RENTAL Released to Imaging: 6/7/2024 10:31:49 AM



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	Quantity	Price	Ext Price
CHARGES MAY NOT BE APPLIED TO THE PURCHASE PRICE OF EQUIPMENT. ACCESSOR INCLUDED IN RENTAL RATE.	RIES FOR ASSE	EMBLY ARE	NOT
INCLUDED IN RENTAL RATE.			0.00

7-5/8" OFFLINE CEMENT

28 5O 3T OLC - 7-5/8 RT DAILY RENTAL

0.00

950.00

0.00

MBU-3T - 7-5/8" OFFLINE CEMENTING RENTAL PACKAGE = \$950.00 PER WELL

RENTAL TOOLS CONSIST OF THE FOLLOWING ITEMS:

PN 133817: CEMENT TOOL, CW, CSGHGR/PACKOFF, MBU-3T-LWR-OLC, NESTED, 7-5/8 BC PIN TOP, W/11.250-4 STUB ACME-2G LH PIN THD HOLD DOWN RING, 6.964 MIN BORE, 5000 PSI MAX WP, 4140 125K

PN 124993: CIRCULATION PLUG, CW, CTF/MBU-3T, 11 NOM, W/ONE WAY 3 HBPV, 6A-U-AA-1-1

PN 107010: RUN TOOL,CW,PACKOFF,MBU-LR-LWR,11 X 3-1/2 IF (NC38) BTM & TOP,W/7.500-4 STUB ACME-2G LH PIN BTM

NOTE: CUSTOMER RESPONSIBLE FOR LOST OR DAMAGE BEYOND REPAIR TOOLS. RENTAL CHARGES MAY NOT BE APPLIED TO THE PURCHASE PRICE OF EQUIPMENT.

0.00

SAFEDRILL® TA CAP

29 7T 13 10M CQC TA CAP (90D)

0.00

1,300.00

0.00

 $SAFEDRILL @ \ TA \ CAP \ RENTAL \ PACKAGE = \$1,300.00 \ PER \ WELL \ FOR \ THE \ FIRST \ 90 \ DAYS; \ \$85.00 \ PER \ DAY \ THEREAFTER.$

PN 117347: TA CAP,CW,MBU-3T-HPS,9,13-5/8 10M QUICK CONNECT,W/ONE 1-13/16 10M FP,VR THD & 1/2 NPT PORT,6A-U-AA-1-1

PN 108499: SECSEAL, CW, TA-HPS, 9 X 7-5/8 X 4.31 LG, W/7.731 BORE, 6A-U-AA-1-1

PN 116992: HUB,CW,THD,MBU-3T,13-5/8 10M,W/21.750-2 STUB ACME-2G L.H. BOX THD

NOTE: CUSTOMER IS RESPONSIBLE FOR LOST, DAMAGED OR BEYOND REPAIR RENTAL EQUIPMENT. RENTAL CHARGES MAY NOT BE APPLIED TO THE PURCHASE PRICE OF EQUIPMENT. ACCESSORIES FOR ASSEMBLY ARE NOT INCLUDED IN RENTAL RATE.

0.00

TUBING HEAD ASSEMBLY

30	126002-21MG	1.00	11,108.00	11,108.00
	TBGHD,CW,CTH-DBLHPS-SB,7-5/8,13-5/8 10M X 7-1/16 15M,W/2 1-13/16 15M FP,W/6.375 MIN BC LG,216A-PU-EE-0,5-3-2	ORE & 17-4I	PH LDS,34.0	
31	113880MV	2.00	2,792.00	5,584.00
	$\rm VLV, CW, SB100, 1\text{-}13/16$ 15M FE BB/EE-0,5 (API 6A LU BB/EE-0,5 PSL3 PR2F) QPQ TRIM, API 6A HOLE)	PR2 ANNEX	K F (BORE VENT	
32	127140	2.00	150.00	300.00

FLG,BLIND,CW,1-13/16 15M X 9/16 AUTOCLAVE,REC F/VR PLUG,6A-LU-EE-3

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Hobbs, NM 4120 W Carlsbad Hwy Hobbs NM 88240 Phone: 817-682-8336 Date: 07/07/2023

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	Filolie: 017-002-0330			Page 6 of 8
		Quantity	Price	Ext Price
33	100326	1.00	89.73	89.73
	FTG,GRS,VENTED CAP,9/16 AUTOCLAVE,17-4PH BODY, 316SS VENT CAP,INCONEL X-7: BALL,20,000 PSI SERVICE	50 SPRING & T	UNGSTEN CA	ARBIDE
34	BX151	4.00	12.77	51.08
	RING GASKET,BX151,1-13/16 10/15/20M			
35	105477-20E1	16.00	9.76	156.16
2.	STUD,ALL-THD W/2 HVY HEX NUTS,BLK,7/8-9UNC X 6,API 20E BSL-1 ASTM A193 GR B7 20E BSL-1 ASTM A194 GR 2H HEAVY HEX NUTS,NO PLATING			
36	BX159	1.00	117.60	117.60
	RING GASKET,BX159,13-5/8 10/15/20M			
37	102825-20E1	20.00	67.63	1,352.60
20	STUD,ALL-THD W/2 HVY HEX NUTS,BLK,1-7/8-8UN X 17-3/4,API 20E BSL-1 ASTM A193 (API 20E BSL-1 ASTM A194 GR 2H HEAVY HEX NUTS,NO PLATING			
38	106012	1.00	120.00	120.00
	ADPT,AUTOCLAVE,HIGH PRESSURE, 9/16 MALE TO 9/16 MALE,316SS,SOUR SERVICE			
39	810023	1.00	289.00	289.00
	NEEDLE VALVE,2 WAY ANGLE,9/16,20KSI,SOUR SERVICE,W/O COLLARS & GLANDS			
40	PG15M	1.00	199.00	199.00
	PRESSURE GAUGE,15M,9/16 AUTOCLAVE,LIQUID FILLED			
				19,367.17
	CONTINGENCY EQUIPMENT			
	EMERGENCY EQUIPMENT; INVOICED AS REQUIRED:			
41	116998	0.00	2,200.00	0.00
	CSGHGR,CW,MBU-3T-LWR,EMERG,13-5/8 X 9-5/8,6A-PU-DD-3-2			
42	130829	0.00	5,160.00	0.00
	PACKOFF,CW,MBU-3T,EMERG,13-5/8 NESTED X 11 X 9-5/8,W/11.250-4 STUB ACME-2G LI DEEPER GALLERY,4140 110K,STD SVC,NON-NACE	H BOX TOP W/I	RUPTURE DIS	SK &
43	108211	0.00	1,750.00	0.00
	CSGHGR,CW,MBU-3T,UPR/MBU-2LR,UPR,11 X 5-1/2,6A-PU-DD-3-2			
44	117298	0.00	1,800.00	0.00
	PACKOFF,CW,MBU-3T,INNER,EMERG,NESTED,11 X 5-1/2,W/7-5/8 SEAL NECK,5 HBPV TI DOWN RING,4130 75K,NACE SVC	HDS & 4.93 MIN	I BORE,A/F H	OLD
45	104726	0.00	550.00	0.00
	HOLD DOWN,RING,F/22 CSGHGR 11 X 5-1/2,A/F PACKOFF MBU-LR,13-5/8 10M,W/11.250-ID X 2.62 LG,4140 110K	4 STUB ACME-	2G LH PIN X	
	DRMATION CONTAINED HEREIN IS THE PROPERTY OF CACTUS WELLHEAD, LLC. REPRODUCTION, DISCLO		HEREOF IS	0.00
	Acceptance of this Quotation ase Contact Fred Stafford Ph: 713-626-8800		Matl: abor:	61,788.05 0.00
	y.stafford@cactuswellhead.com		Misc:	0.00
			Misc: Tax:	0.00
		7	Total:	61,788.05
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Hobbs, NM 4120 W Carlsbad Hwy Hobbs NM 88240 Phone: 817-682-8336 Quote Number: HBE0000965

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CACTUS WELLHEAD, LLC PURCHASE TERMS AND CONDITIONS

- 1. <u>ACCEPTANCE</u>: 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. <u>TERMS OF PAYMENT</u>. 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. <u>LIMITED WARRANTY</u>. 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 FILEL 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 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 AND 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
- 6. <u>INSPECTION.</u> 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) nigury 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 WILLIFUL 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 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



Hobbs, NM 4120 W Carlsbad Hwy Hobbs NM 88240 Phone: 817-682-8336 Quote Number: HBE0000965

Date:

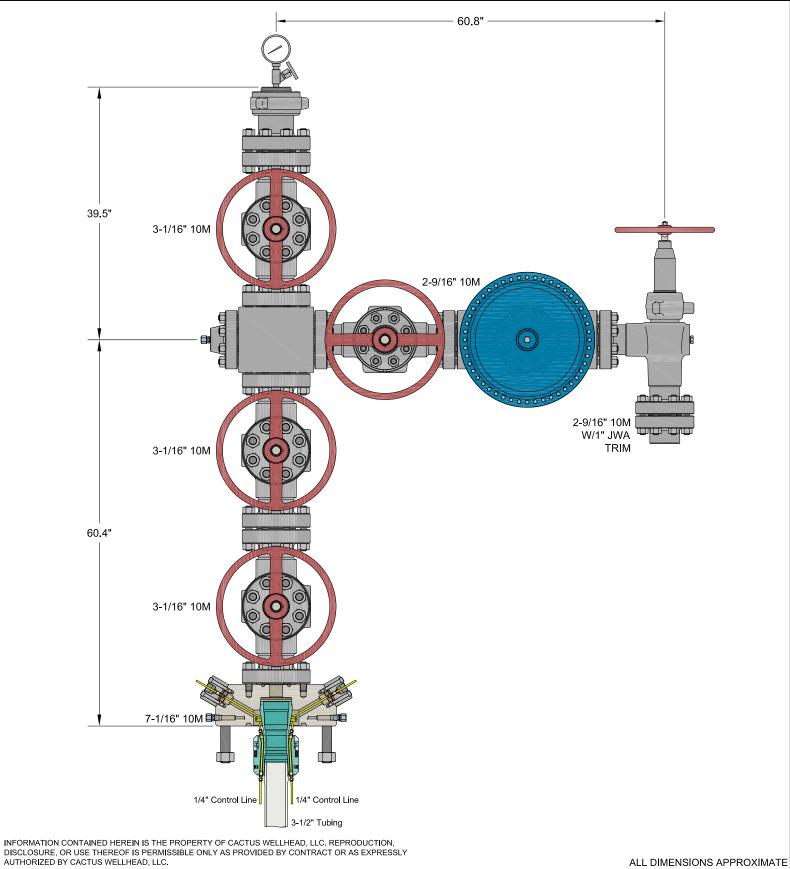
Valid For 30 Days

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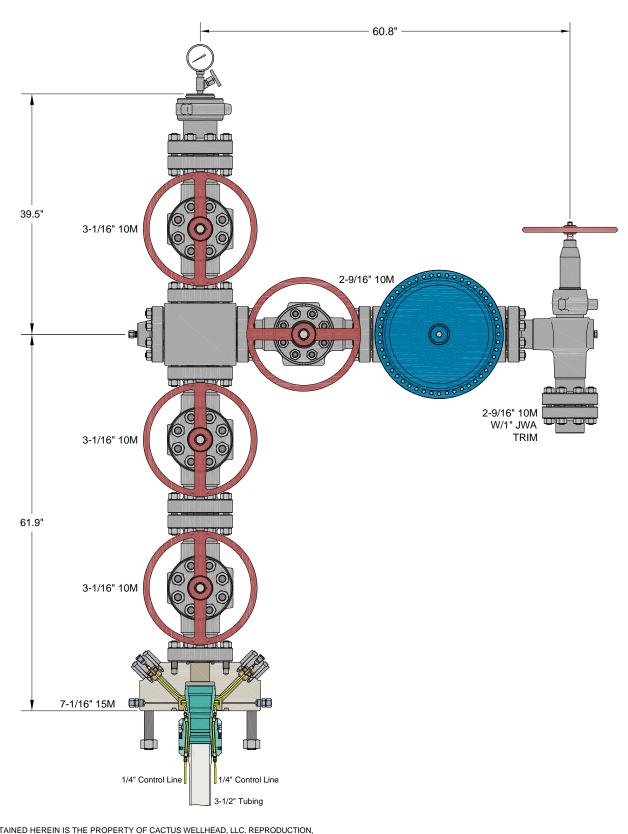
07/07/2023

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 bankruptor 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. <u>DELIVERY.</u> 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. <u>RETURNS/REFUND.</u> 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. <u>DELAYS</u>. 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. <u>LIMITATION OF DAMAGES</u>. 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).
- 15. <u>SECURITY INTEREST</u>. 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. <u>DECEPTIVE TRADE PRACTICES</u>. 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. <u>AUTHORITY.</u> 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. <u>CONFIDENTIALITY</u>. 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.



CACTUS WELLHEAD LLC		CIMAREX HOBBS, NM	
7-1/16" 10M x 3-1/16" x 2-9/16" 10M Production Tree Assembly	DRAWN	VJK	05SEP23
· .			
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		HBE000	1018



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 APPROXIMAT

CACTUS WELLHEAD LLC		CIMAREX HOBBS, NM	
7-1/16" 15M x 3-1/16" x 2-9/16" 10M Production Tree Assembly	DRAWN	VJK	13DEC23
•			
With 7-1/16" 15M x 3-1/16" 10M T40-CCL Tubing Head Adapter	DRAWING NO		
And 7-1/16" 3-1/2" T40-CCL Tubing Hanger		o. HBE000)1018



Hobbs, NM 4120 W Carlsbad Hwy Hobbs NM 88240 Phone: 817-682-8336 Quote Number: HBE0001018

Date: 09/08/2023

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Bill To: 7050 **Ship To:** 1016

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



Hobbs, NM 4120 W Carlsbad Hwy Hobbs NM 88240 Phone: 817-682-8336 Quote Number: HBE0001018

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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 12042MW			Quantity	Price	Ext Price
ADPT,TBGIID,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,PS12_PR2 2 120242MV		PRODUCTION TREE ASSEMBLY			
WP.TEMP PU_MATL EE_PSL2_PR2 1.00 4,343.00 4,3 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 4,3 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 4,3 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) 1.20242MV 1.00 4,343.00 4,3 VLV_CW_SB100,3-1/16 10M X 2-9/16 10M,6A-LU-EE-3 1.20242MV 1.00 4,343.00 4,3 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) 1.20242MV 1.00 4,343.00 4,3 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) 1.20242MV 1.00 1,270.00	1	124314P2	1.00	4,830.00	4,830.00
120242MV			LP INLETS,10000	PSI MAX	
VENT HOLE) 1 120242MV	2		1.00	4,343.00	4,343.00
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) 4 128365 1.00 2,650.00 2,6 CRSS,STD,AOZE,3-1/16 10M X 2-9/16 10M,6A-LU-EE-3 5 120242MV 1.00 4,343.00 4,3 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) 6 142800 1.00 1,270.00 1,2 TREECAP,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 7 BX154 5.00 10.44 RING GASKET,BX154,3-1/16 10/15/20M 8 780077-20E1 16.00 19.83 3 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 9 132879 1.00 495.00 4 FLG,BLIND,AOZE,3-1/16 10M X 1/2 NPT,W/HUB,TEMP LU,MATL EE,PSL3 10 100048 1.00 59.74 FTG,GRS,VENTED CAP,1/2 NPT,4/140 -50F W/ELECTROLESS NICKEL COATING NACE,K-MONEL BALL,INCONEL X-750 SPRING 11 115900MV 1.00 3,285.00 3,2 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) 12 128567 1.00 8,292.00 8,2 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) 12 128567 1.00 8,292.00 8,2 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) 13 130652 1.00 7,500.00 7,5 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			I 6A PR1 SECTIO	ON 10.5.2 (BOR	RE
VENT HOLE) 128365	3	120242MV	1.00	4,343.00	4,343.00
CRSS,STD,AOZE,3-1/16 10M X 2-9/16 10M,6A-LU-EE-3 120242MV		VENT HOLE)			
5 120242MV	4	128365	1.00	2,650.00	2,650.00
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) 142800 1.00 1,270.00 1,2 TREECAP,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 7 BX154 5.00 10.44 RING GASKET,BX154,3-1/16 10/15/20M 8 780077-20E1 16.00 19.83 3 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 9 132879 1.00 495.00 4 FLG,BLIND,AOZE,3-1/16 10M X 1/2 NPT,W/HUB,TEMP LU,MATL EE,PSL3 10 100048 1.00 59.74 FTG,GRS,VENTED CAP,1/2 NPT,4140 -50F W/ELECTROLESS NICKEL COATING NACE,K-MONEL BALL,INCONEL X-750 SPRING 11 115900MV 1.00 3,285.00 3,2 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) 12 128567 1.00 8,292.00 8,2 VLV/ACT,OMNL,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 EB, TEMP P (-20F TO 180F) PR-2 (FC TYPE) W/MANUAL OVERRIDE,ACTUATOR REQUIRES 112 PSI TO OPEN AT FULL 10,000 PSI 13 130652 1.00 7,500.00 7,5 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		CRSS,STD,AOZE,3-1/16 10M X 2-9/16 10M,6A-LU-EE-3			
VENT HOLE) 142800 1.270.00 1.27 TREECAP,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 7 BX154 5.00 10.44 RING GASKET,BX154,3-1/16 10/15/20M 8 780077-20E1 16.00 19.83 3 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 9 132879 1.00 495.00 4 FIG.BLIND,AOZE,3-1/16 10M X 1/2 NPT,W/HUB,TEMP LU,MATL EE,PSL3 10 100048 1.00 59.74 FTG,GRS,VENTED CAP,1/2 NPT,4140 -50F W/ELECTROLESS NICKEL COATING NACE,K-MONEL BALL,INCONEL X-750 SPRING 11 115900MV 1.00 3,285.00 3,2 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) 12 128567 1.00 8,292.00 8,2 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 13 130652 1.00 7,500.00 7,5 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	5	120242MV	1.00	4,343.00	4,343.00
TREECAP,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 BX154 RING GASKET,BX154,3-1/16 10/15/20M 8 780077-20E1 16.00 19.83 3 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 9 132879 1.00 495.00 4 FLG,BLIND,AOZE,3-1/16 10M X 1/2 NPT,W/HUB,TEMP LU,MATL EE,PSL3 10 100048 1.00 59.74 FTG,GRS,VENTED CAP,1/2 NPT,4140 -50F W/ELECTROLESS NICKEL COATING NACE,K-MONEL BALL,INCONEL X-750 SPRING 11 115900MV 1.00 3,285.00 3,2 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) 12 128567 1.00 8,292.00 8,2 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 13 130652 1.00 7,500.00 7,5 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		VENT HOLE)		`	
PU,MATL EE,PSL2 RIS154 RING GASKET,BX154,3-1/16 10/15/20M 8 780077-20E1 16.00 19.83 3 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 9 132879 1.00 495.00 4 FLG,BLIND,AOZE,3-1/16 10M X 1/2 NPT,W/HUB,TEMP LU,MATL EE,PSL3 10 100048 1.00 59.74 FTG,GRS,VENTED CAP,1/2 NPT,4140 -50F W/ELECTROLESS NICKEL COATING NACE,K-MONEL BALL,IN-CONEL X-750 SPRING 11 115900MV 1.00 3,285.00 3,2 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) 12 128567 1.00 8,292.00 8,2 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 13 130652 1.00 7,500.00 7,5 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	6			•	1,270.00
RING GASKET,BX154,3-1/16 10/15/20M 780077-20E1 16.00 19.83 3 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 132879 1.00 495.00 4 FLG,BLIND,AOZE,3-1/16 10M X 1/2 NPT,W/HUB,TEMP LU,MATL EE,PSL3 10 100048 1.00 59.74 FTG,GRS,VENTED CAP,1/2 NPT,4140 -50F W/ELECTROLESS NICKEL COATING NACE,K-MONEL BALL,INCONEL X-750 SPRING 11 115900MV 1.00 3,285.00 3,2 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) 12 128567 1.00 8,292.00 8,2 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 13 130652 1.00 7,500.00 7,5 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	_	PU,MATL EE,PSL2			
8 780077-20E1 16.00 19.83 3 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 9 132879 1.00 495.00 4 FLG,BLIND,AOZE,3-1/16 10M X 1/2 NPT,W/HUB,TEMP LU,MATL EE,PSL3 10 100048 1.00 59.74 FTG,GRS,VENTED CAP,1/2 NPT,4140 -50F W/ELECTROLESS NICKEL COATING NACE,K-MONEL BALL,INCONEL X-750 SPRING 11 115900MV 1.00 3,285.00 3,2 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) 12 128567 1.00 8,292.00 8,2 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 13 130652 1.00 7,500.00 7,5 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	7		5.00	10.44	52.20
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 132879 1.00 495.00 4 FLG,BLIND,AOZE,3-1/16 10M X 1/2 NPT,W/HUB,TEMP LU,MATL EE,PSL3 10 100048 1.00 59.74 FTG,GRS,VENTED CAP,1/2 NPT,4140 -50F W/ELECTROLESS NICKEL COATING NACE,K-MONEL BALL,INCONEL X-750 SPRING 11 115900MV 1.00 3,285.00 3,2 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) 12 128567 1.00 8,292.00 8,2 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 13 130652 1.00 7,500.00 7,5 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					
BSL-1 ASTM A194 GR 2H HEAVY HEX NUTS,NO PLATING 132879 1.00 495.00 4 FLG,BLIND,AOZE,3-1/16 10M X 1/2 NPT,W/HUB,TEMP LU,MATL EE,PSL3 10 100048 1.00 59.74 FTG,GRS,VENTED CAP,1/2 NPT,4140 -50F W/ELECTROLESS NICKEL COATING NACE,K-MONEL BALL,INCONEL X-750 SPRING 11 115900MV 1.00 3,285.00 3,2 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) 12 12 128567 1.00 8,292.00 8,2 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 13 130652 1.00 7,500.00 7,5 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	8				317.28
FLG,BLIND,AOZE,3-1/16 10M X 1/2 NPT,W/HUB,TEMP LU,MATL EE,PSL3 10 100048 1.00 59.74 FTG,GRS,VENTED CAP,1/2 NPT,4140 -50F W/ELECTROLESS NICKEL COATING NACE,K-MONEL BALL,INCONEL X-750 SPRING 11 115900MV 1.00 3,285.00 3,2 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) 12 128567 1.00 8,292.00 8,2 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 13 130652 1.00 7,500.00 7,5 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	•	BSL-1 ASTM A194 GR 2H HEAVY HEX NUTS,NO PLATING			
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FTG,GRS,VENTED CAP,1/2 NPT,4140 -50F W/ELECTROLESS NICKEL COATING NACE,K-MONEL BALL,INCONEL X-750 SPRING 11 115900MV		FLG,BLIND,AOZE,3-1/16 10M X 1/2 NPT,W/HUB,TEMP LU,MATL EE,PSL3			
SPRING 11 115900MV 1.00 3,285.00 3,2 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) 12 128567 1.00 8,292.00 8,2 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 13 130652 1.00 7,500.00 7,5 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	10				59.74
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) 12 128567 1.00 8,292.00 8,2 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 13 130652 1.00 7,500.00 7,5 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		SPRING			
HOLE) 12 128567 1.00 8,292.00 8,2 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 13 130652 1.00 7,500.00 7,5 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	11			,	3,285.00
12 128567 1.00 8,292.00 8,2 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 13 130652 1.00 7,500.00 7,5 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			I 6A PR2 ANNEX	AF (BORE VEI	NT
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 13 130652 1.00 7,500.00 7,5 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	12		1.00	8,292.00	8,292.00
13 130652 1.00 7,500.00 7,5 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		REVERSE ACTING SLAB GATE, FLOATING SEATS & DIRECTIONAL FLOW BODY BUS LEFT): MAT'L CLASS EE, HARDFACE TRIM, TEMP PU (-20 TO 250 F), PSL-2, PR-2; ACTU TEMP P (-20F TO 180F) PR-2 (FC TYPE) W/MANUAL OVERRIDE, ACTUATOR REQUIRES	HING (FLOW FR JATOR: MATER	OM RIGHT TO IAL CLASS BI) B,
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	12		1.00	7 500 00	7 500 00
MONOGRAMMED,PSL-2 PR-2 TEMP-PU MATL-EE-1.5	13			7,500.00	7,500.00
14 120734 1.00 399.00 3	14	MONOGRAMMED,PSL-2 PR-2 TEMP-PU MATL-EE-1.5		200.00	399.00
FLG,COMP,AOZE,2-9/16 10M X 2-7/8 EU,5000 PSI MAX WP,TEMP LU,PSL3,PR1	14		1.00	399.00	399.00



Hobbs, NM 4120 W Carlsbad Hwy Hobbs NM 88240 Phone: 817-682-8336 Quote Number: HBE0001018

Date: 09/08/2023

Valid For 30 Days

Page 3 of 5

			Quantity	Price	Ext Price	
15	BX153		5.00	11.54	57.70	
	RING GASKE	Г,ВХ153,2-9/16 10/15/20М				
16	780067-20E1		24.00	14.70	352.80	
	•	ID W/2 HVY HEX NUTS,BLK,7/8-9UNC X 6-1/2,API 20E BSL-1 AS ASTM A194 GR 2H HEAVY HEX NUTS,NO PLATING	STM A193 GR B7 ALL THRE	AD STUD W/	2	
17	135166		1.00	4,490.00	4,490.00	
		T40-CCL,7-1/16 X 3-1/2 EU API MOD BOX BTM X 3-1/2 EU BOX EAL,CF 124316P2,10000 PSI MAX WP,17-4PH SS,TEMP PU,MATL	FF-0,5,PSL2,PR2	O 1/4 CCL &		
18	BX156		1.00	62.48	62.48	
	RING GASKE	Γ,BX156,7-1/16 10/15/20M				
19	NVS		1.00	61.16	61.16	
	NEEDLE VALVE,MFS,1/2 NPT MXF,10M PSI WP,CARBON STEEL BODY, 304/316SS STEM, TFE PACKING (NON-NACE)					
20	PG10M		1.00	58.24	58.24	
	PRESSURE GA	AUGE,10M,4-1/2 FACE, LIQUID FILLED,1/2 NPT				
21	PRO	Prorata Freight	0.75	2,768.56	2,076.42	
					49,338.02	
	OPTIONAL	15M ADAPTER				
22	124999P2		0.00	7,423.00	0.00	
	,	,CW,T40-CCL,7-1/16 15M STD X 3-1/16 10M STD,W/TWO #14 DH MAT'L EE,PSL2,PR2	CV W/1/4 NPT INLET,10000	PSI MAX		
					0.00	

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.

For Acceptance of this Quotation Please Contact Ph: 713-626-8800	Matl: Labor:	47,261.60 0.00
sales@cactuswellhead.com Sa	Misc:	2,076.42 0.00
	Total:	49,338.02



Hobbs, NM 4120 W Carlsbad Hwy Hobbs NM 88240 Phone: 817-682-8336 Quote Number: HBE0001018

Date: 09/08/2023

Valid For 30 Days

Page 4 of 5

CACTUS WELLHEAD, LLC PURCHASE TERMS AND CONDITIONS

- 1. <u>ACCEPTANCE</u>: 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. <u>TERMS OF PAYMENT</u>. 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. <u>LIMITED WARRANTY</u>. 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 FILEL 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 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 AND 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
- 6. <u>INSPECTION</u>. 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, (ii) 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, 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 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



Hobbs, NM 4120 W Carlsbad Hwy Hobbs NM 88240 Phone: 817-682-8336 Quote Number: HBE0001018

Date:

Valid For 30 Days

Page 5 of 5

09/08/2023

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. <u>DELIVERY.</u> 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. <u>RETURNS/REFUND.</u> 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. <u>DELAYS</u>. 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. <u>LIMITATION OF DAMAGES</u>. 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).
- 15. <u>SECURITY INTEREST</u>. 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. <u>DECEPTIVE TRADE PRACTICES</u>. 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. <u>AUTHORITY.</u> 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. <u>FORCE MAJEURE</u>. 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. <u>CONFIDENTIALITY</u>. 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 indemnity obligations contained herein.

Gates Engineering & Services UK Ltd			
Doc. Ref.	Form-056		
Revision	4		

CERTIFICATE OF CONFORMITY



Gates SO No. 31675	Customer Name & Address: Gates Engineering & Services North America
Clients PO No: 1714987/ 0	7603, Prairie Oak Drive
Description: 3" Choke & Kill Hose x 35ft	Houston, TX 77086 United States

This is to certify that the components listed below have been supplied in accordance API 16C & with the referenced order number above. The assemblies listed below have been manufactured and tested in the UK

SPECIFICATION

ITEM DESCRIPTION Drawing Num QTY 3" Choke & Kill Hose x 35ft complete with 4.1/16" API 6A 10K Fixed Flange 31675-DW-001, 2 with BX155 Inlaid Ring Groove on one end & 4.1/16" API 6A 10K Swivel 1 Rev 0 Flange with BX155 Inlaid Ring Groove On the other end Hose Batch: 120839 Hose Assembly: 120840 Customer Tag: N/A Working Pressure: 10000 PSI Test Pressure: 15000 PSI Standard: API 16C PSL: FSL 3 Material Grade: F Temperature Rating: -25 to +100 Deg C

Accepted by SA Tast 17/0

. for and on behalf of Gates Engineering & Services UK Ltd

Gates Engineering & Services UK Ltd		
Doc. Ref.	Form-051	
Revision	9	

PRESSURE TEST CERTIFICATE



			Certificate No:
□ BURST	✓ HYDROSTATIC	CYCLIC	31675-002

Product:	3" Choke & Kill Hose	Hose WO/Batch:	120839
Assembly WO:	120840	Length:	35Ft
SO No:	31675	Date:	11/02/20
Client:	Gates Engineering & Services North America	Client Reference:	1714987/ 0

Inner Diameter:	3	Inch		
Working Pressure:	10000	Psi	690	bar
Test Pressure:	15000	Psi	1034	bar
Burst Pressure:	22500	Psi	1551	bar

Hose	Descriptio	n: with BX155 Inlaid Ring Groove	3" Choke & Kill Hose x 35ft complete with 4.1/16" API 6A 10K Fixed Flange with BX155 Inlaid Ring Groove on one end & 4.1/16" API 6A 10K Swivel Flange with BX155 Inlaid Ring Groove On the other end		
Item No	Qty	Part Code	Customer Tag No (if applicable)		
2	1	HA31623-001	N/A		

Details of Test:	Pressure tested with water at ambient temperature for 60 minutes at test pressure 1034 BAR, Chart recording done with Yokagawa Data Logger S/N: S5NC08915 Transducer ESI GS4200EX3000DE ID:TD/DC-002, S/N: 2018-741502 Calibration Certificate No: IKMCERTL9111	
Results:	Pressure Loss: 11.4 Bar Acceptance Criteria: Pressure loss not to exceed - 34.47 Bar or 500 PSI	

GESUK Ltd	Third Party
17/02/20	

Received by OCD: 5/23/2024 9:40:12 AM

Released to Imaging: 6/7/2024 10:31:49 AM

File Message : 120840 FAT Device Type : DX2000 Serial No. : S5NC08915

Print Groups : GROUP 1

Print Range : 11/02/2020 18:06:20.000 - 11/02/2020 21:08:10.000

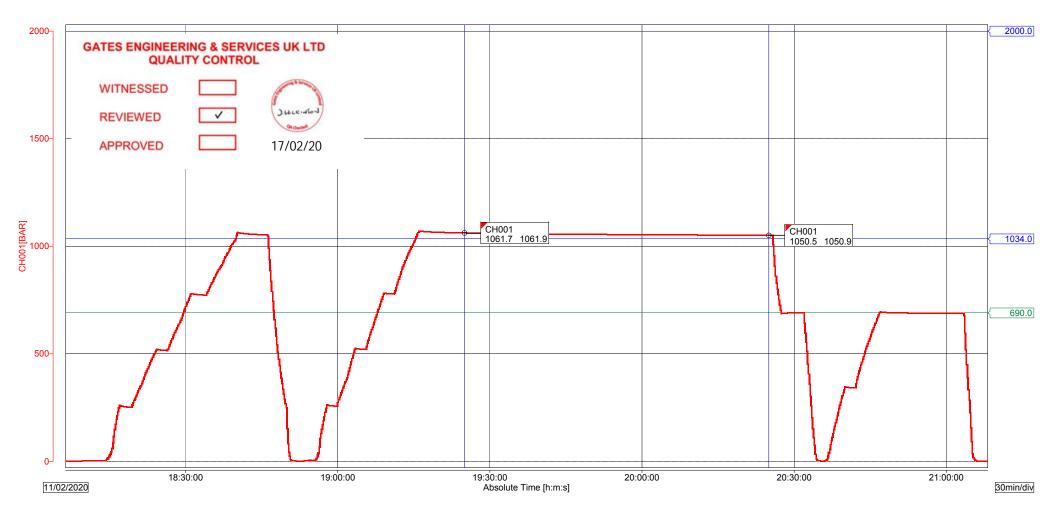
: Factory Acceptance Test Comment

		Cursor A	Cursor B	Difference
Data No.		472	832	360
Absolute Time		11/02/2020 19:25:00.000	11/02/2020 20:25:00.000	01:00:00.000
Channel		Value A	Value B	Value B-A
CH001	Max	1061.9	1050.9	-11.0
[BAR]	Min	1061.7	1050.5	-11.2

Section	472	-	832	11/02/202	20 19:25:00.000	- 11/02/2020 20:25:00.000		
Channel			MIN	MAX	P-P	Mean	RMS	
CH001[BAR]			1050.5	1061.9	11.4	1055.0	1055.1	

: 11/02/2020 18:06:20.000

: 11/02/2020 21:08:10.000



Start Time

Stop Time

REPORT OF THOROUGH EXAMINATION OF LIFTING EQUIPMENT

IN ACCORDANCE WITH LIFTING OPERATIONS AND LIFTING EQUIPMENT REGULATIONS 1998

ALL ITEMS ON THIS REPORT ARE SAFE TO USE

NAME & ADDRESS OF COMPANY FC	NAME & ADDRESS OF COMPANY FOR WHOM THE EXAMINATION WAS MADE	ADDRESS OF THE PREMISES WHERE	PREMISES WHERE THE EXAMINATION WAS MADE	WAS MADE	DATE OF REPORT	08/01/2020	0
Gates Engineering & Services UK Ltd Bassington Drive	ss UK Ltd	Tusk Lifting Ltd 49D Sadler Forster Way			REPORT NO	13322	
Bassington Industrial Estate Cramlington		Teesside Industrial Estate Stockton-On-Tees			CUSTOMER REFERENCE	ICE 052628	
NE23 8AS		TS17 9JY			CONTRACT NO.	0000059501	11
<mark>Eug</mark> qту ID NO.	DESCRIPTION OF EQUIPMENT INCLUDING MANUFACTURER AND DATE OF MANUFACTURE	ACTURER AND DATE OF MANUFACTURE	SWL / WLL	EWL	EXAM REASON (SEE BELOW)	TEST APPLIED	LATEST DATE OF NEXT THOROUGH EXAMINATION
beight Sound State	50.00 643615/1 - 643615/50 10mm x 6ft HCP Coated Chain Sling C/W 4.75t Safety Pin Bow Shackle each end C/W 4.75t Safety Pin Bow Shackle each end Solution: A Reason FOR EXAMINATION: A - NEW INSTALLATION OR NEW LOCATION; B - WITHIN 6 MONTHS;	I WITHIN 6 MONTHS; C - WITHIN 12 MC	4 TONNE	6 FT	4 TONNE 6 FT B VISUAL C - WITHIN 12 MONTHS; D - WRITTEN SCHEME; E - EXCEPTIONAL CIRCUMSTANCES.	VISUAL	08/07/2020
SNAME AND QUALIFICATION OF PERSON MAKING THE REPORT	PERSON MAKING THE REPORT	NAME OF THE PERSON AUTHENTICATING THE REPORT	HENTICATING THE	REPORT			
S Jimmy Joyce, Company Approved Examiner	/ed Examiner	Julie Montgomery, Planner	L				

Jimmy Joyce, Company Approved Examiner SIGNATURE OPERATING INSTRUCTIONS CAN BE FOUND ON OUR WEBSITE, HTTP://www.TUSKLIFTING.CO.UK

SIGNATURE

DATE OF THOROUGH EXAMINATION 08/01/2020

THE ORIGINAL MANUFACTURERS EC DECLARATION OF CONFORMITY IS HELD ON FILE AT OUR PREMISES AND IS AVAILABLE UPON REQUEST

Tusk Lifting Ltd.

49D Sadler Forster Way. Teesside Industrial Estate. Stockton On Tees. TS17 9JY

E. teesside@tusklifting.co.uk W. tusklifting.co.uk T. 01642 915330

VAT. GB258876247 **REG.** 10497383





LEEA

Full Member

4

Villiam Hackett

Lifting Products Limited













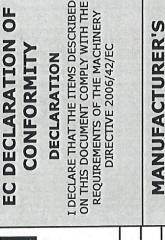












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18	

PRODUCTS REQUIRING A DECLARATION OF CONFORMITY

Date Received: 17/12/2019

Certificate Number: L072222 Supplied To: TUS002

Customer Order No: 7557

(STOCK)

TUSK LIFTING LTD

Delivery Address

TEESIDE INDUSTRIAL ESTATE 49D SADLER FORSTER WAY

STOCKTON ON TEES

TS17 9JY

THOSE REQUIRING JUST A MANUFACTURER'S

CERTIFICATE BY (B)

ARE INDICATED BY (A)

8

CERTIFICATE

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17/12/	17/12/
17	17/

	Min Breaking Load	
Inwick, UK	Proof Load	
fting Products, A	Working Load Limit	4t
n Hackett Lii	Qty	20
Authorised person for the configuration of the declaration documents: Tim Burgess, William Hackett Lifting Products, Alnwick, UK	Description	643615/1-50 HNZZZ.100.TUSK 10mm grade 10 chain sling assembly. Comprising of: 1 x 4.75t Safety Bow Shackle, 1 x 10mm connector, 10mm grade 10 chain, 1 x 10mm connector and 1 x 4.75t Safety Bow Shackle.
	Product	HNZZZ.100.TUSK
	Lot No / Serial No	643615/1-50
- 12	Batch	P02637
	60	ı

Tel. + 44 (0) 1655 604200 Fax. + 44 (0) 1665 604204 Email: info@williamhackett.co.uk OAK DRIVE, LIONHEART ENTERPRISE PARK, ALNWICK, NORTHUMBERLAND NE66 2EU

VAT Reg. No. 217 3508 23 Website: www.williamhackett.co.uk Co. Registration No. 09679580

Page 1 of 1

Report Version 2-5

IMB52628

A/B









3.1 Material Certificate

DATE: 18.12.2019	PURCHASE ORDER NO. 7557
F 100	

CUSTOMER	TUSK LIFTING LIMITED
ADDRESS	49D SADLER FORSTER WAY TEESIDE IND EST STOCKTON ON TEES TS17 9JY

PRODUCT CODE: ASV.100.5 Marking: 1235

DESCRIPTION: 10MM GRADE 10 LIFTING CHAIN – Q61076

Chemical Composition –

	%
С	0,215
Si	0,216
Mn	1,222
Р	0,0076
S	0,0071
Ni	0,947
Cr	0,554
Cu	-
Mo	0,595
AL	0,0337

Trading & Registered Office: Oak Drive, Lionheart Enterprise Park, Alnwick, Northumberland NE66 2EU

Tel: +44 (0) 1665 604200 Website: www.williamhackett.co.uk Fax: +44 (0) 1665 604204 CRN: 09679580

Email: info@williamhackett.co.uk VAT Registration No. 217 3508 23

Test Certificate

Oak Drive OKE YOKE YOKE Lionheart Enterprise Park, Alnwick, Northumberland, NE66 2EU United Kingdom

Tel: 44-1665604200

ITEM: X-015/10 OKE TOKE G100, Connecting Link, 10mm, 3/8" Batch No . YUA

Quantity : 1,800

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Alloy Steel Mini, Breaking Magnetic Flux

34 54	Proof Load Test	AAORE ADE AORE AAORE AAO
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THE REAL PROPERTY.	Working Load	YOKE &YOKE &

YOKE INDUSTRIAL CORP

Gates Engineeing & Services UK Limited Cerified True

YOKE INDUSTRIAL CORP.

#39,33rd Road, Taichung Industrial Park, TAICHUNG 407, TAIWAN TEL:+886-4-2350 8088 FAX:+886-4-2350 1001

Test Certificate

Oak Drive, Restokes yokes Lionheart Enterprise Park, Alnwick, Northumberland, NE66 2EU United Kingdom Te1: 44-1665604200 ITEM: DA-808-19 DA Bolt Pin Anchor Shackle, 3/4

(Your PO no. 601644) Batch No : AAA/AA Quantity : 1,142

Mini, Breaking Load Magnetic Flux Crack Tested: Working Load

Proof Load Test	ESAGKESAOKESAOKESAOKESAOKESAOKESAOKESAOKESAO
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TESTING ACCORDING TO EN 13889 RR-C-271F DNVGL-ST-E273 EN 12079-2 IMO/MSC Circular 860 ISO 9001:2015 Certification by DNVGL and API Inspection Test Certificate meet the EN 10204 3.1 These shackle have been designed, approved and tested in accordance with DNVGL-ST-E271 Offshore Containers.

YOKE INDUSTRIAL CORP



IN ACCORDANCE WITH LIFTING OPERATIONS AND LIFTING EQUIPMENT REGULATIONS 1998 REPORT OF THOROUGH EXAMINATION OF LIFTING EQUIPMENT

ALL ITEMS ON THIS REPORT ARE SAFE TO USE

30.00 YΤΩ 20.00 NAME & ADDRESS OF COMPANY FOR WHOM THE EXAMINATION WAS MADE **NE23 8AS** Cramlington Bassington Industrial Estate Bassington Drive Gates Engineering & Services UK Ltd ID NO. IML52690/01 -IMK52690/30 IML52690/20 IMK52690/01 Material CERT: GI9268 3.6T Safety Clamp CS Galv - 195MM Material CERT: GI9268 3.6T Safety Clamp CS Galv - 195MM DESCRIPTION OF EQUIPMENT INCLUDING MANUFACTURER AND DATE OF MANUFACTURE ADDRESS OF THE PREMISES WHERE THE EXAMINATION WAS MADE Stockton-On-Tees TS17 9JY 49D Sadler Forster Way Teesside Industrial Estate Tusk Lifting Ltd 3.6 TONNE SWL / WLI 3.6 TONNE EWL DATE OF REPORT CONTRACT NO CUSTOMER REFERENCE REPORT NO (SEE BELOW) ₿ PROOF LOAD PROOF LOAD TEST APPLIED 052690 13586 21/01/2020 0000059627 LATEST DATE OF NEXT THOROUGH EXAMINATION 21/07/2020 21/07/2020

REASON FOR EXAMINATION: A - NEW INSTALLATION OR NEW LOCATION; B - WITHIN 6 MONTHS; C - WITHIN 12 MONTHS; D - WRITTEN SCHEME; E - EXCEPTIONAL CIRCUMSTANCES

NAME OF THE PERSON AUTHENTICATING THE REPORT

immy Joyce, Company Approved Examiner MAME AND QUALIFICATION OF PERSON MAKING THE REPORT

24IGNATURE

SIGNATURE

Julie Montgomery, Planner

DATE OF THOROUGH EXAMINATION

21/01/2020

RERATING INSTRUCTIONS CAN BE FOUND ON OUR WEBSITE, HTTP://WWW.TUSKLIFTING.CO.UK

VAT. GB258876247

REG. 10497383

Pusk Lifting Ltd.

9D Sadler Forster Way. Teesside Industrial Estate.

Received by 190 Sadler Forster Way. Teesside Industrial Estate.

191 Sadler Forster Way. Teesside Industrial Estate.

W. tusklifting.co.uk

E. teesside@tusklifting.co.uk

T. 01642 915330

MAMMOET



The materials has been evaluated and radiation is within national limits product suitable for galvanizing 0.14<=51<=0.251 k p<=0.035)

CM124647 -0-08 -- 0-53 -- 0-14 -- -0-023

Steel making

ssapodd

Certified that the material detailed hereon meets the requirements of the specified standard.

Cardiff,

20.08.2019

Stuart Thomas Quality Manager

Electric arc

ML52020

CELSA STEEL UK
OFFICES: Build. 58, Castle Works, East Moors Road
Soft Son Cardiff (United Kingdom)

MANUFACTURING UK

I UK MADE

Hot rolled structural steel products Cert No: 0038/CPR/LRQ4002811/1 DOP: CELSAUK001

Customer: CARTER STEEL LTD
YARM ROAD, STOCKTON TS18 3SA STOCKTON United Kingdom

Standard BS-EN 10025-2004

Hot rolled structural steel products

S275 JR+AR FL130X10 L.6m

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S275 JR+AR FL130X12 L.6m S275 JR+AR FL130X12 L.6m S275 JR+AR FL130X10 L.6m

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S275 JR+AR FL50X15 L.6m S275 JR+AR FL50X15 L.6m

S275 JR+AR FL50X4550J+6m S275 JR+AR FL50X15 L.6m MATERIAL

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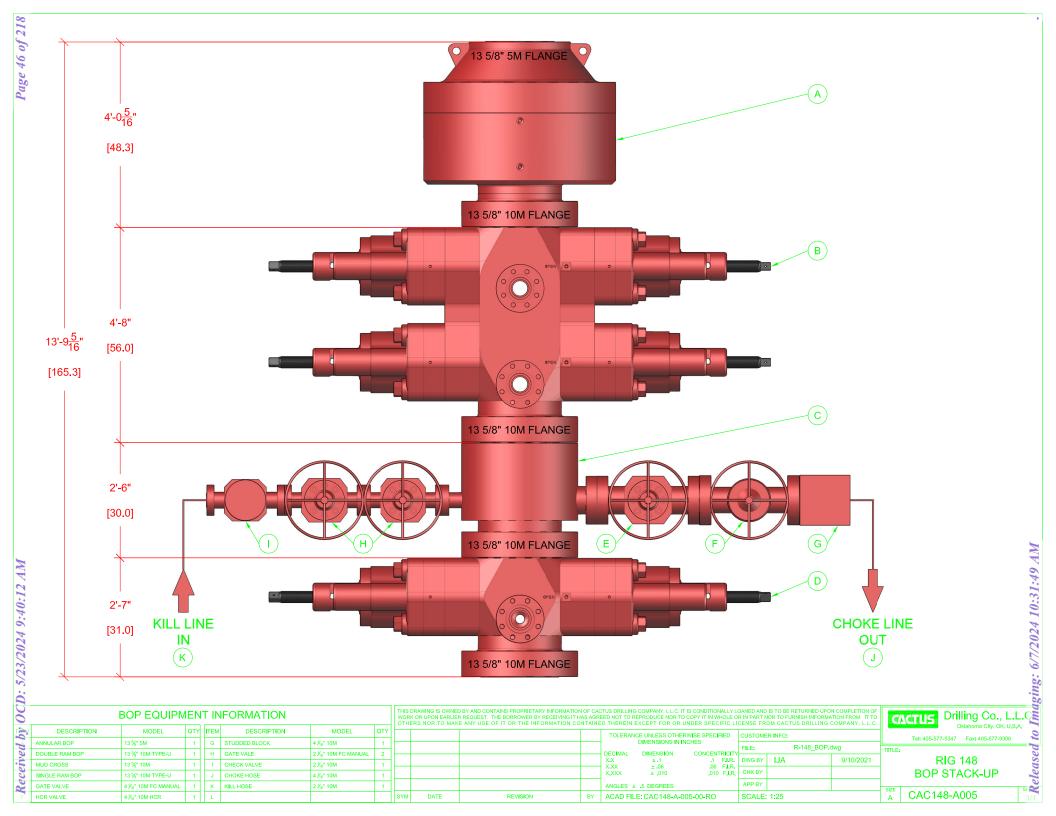
Destination: YARM ROAD, STOCKTON TS18 3SA STOCKTON CARTER STEEL LTD United Kingdom

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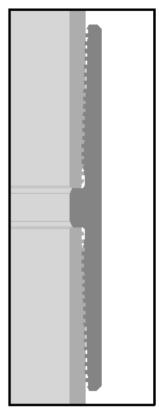
Technical Specifications

Weight (Wall): **Connection Type:** Size(O.D.): Grade: DWC 15 in) VST P110 RY STAND

C/C-IS PLUS Cas	sing	5-1/2 in	23.00 lb/ft (0.41
VST P110 RY 110,000 125,000		Yield Strength (psi.) Ultimate Strength (p	
120,000	William	olilinate otterigiti (p	731.)
5.500 4.670 0.415 23.00 22.56 6.630	Nominal P Nominal V Nominal V Plain End	ensions ripe Body O.D. (in.) ripe Body I.D. (in.) Vall Thickness (in.) Veight (lbs./ft.) Weight (lbs./ft.) ripe Body Area (sq.	in.)
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729,000 22,640 759,000 729,000 14,540 14,530 91.7	Joint Strer Reference API Joint S Compress API Collar API Intern	on Performance Pr ngth (lbs.) String Length (ft) 1 Strength (lbs.) ion Rating (lbs.) ose Pressure Rating al Pressure Resista Uniaxial Bend Ratin	.4 Design Factor g (psi.) unce (psi.)
			J. J



VAM USA 2107 CityWest Boulevard Suite 1300 Houston, TX 77042 Phone: 713-479-3200 Fax: 713-479-3234 E-mail: VAMUSAsales@vam-usa.com



For detailed information on performance properties, refer to DWC Connection Data Notes on following page(s).

Approximated Field End Torque Values

Minimum Final Torque (ft.-lbs.)

Maximum Final Torque (ft.-lbs.)

Connection Yield Torque (ft.-lbs.)

Connection specifications within the control of VAM USA were correct as of the date printed. Specifications are subject to change without notice. Certain connection specifications are dependent on the mechanical properties of the pipe. Mechanical properties of mill proprietary pipe grades were obtained from mill publications and are subject to change. Properties of mill proprietary grades should be confirmed with the mill. Users are advised to obtain current connection specifications and verify pipe mechanical properties for each application.

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17,700

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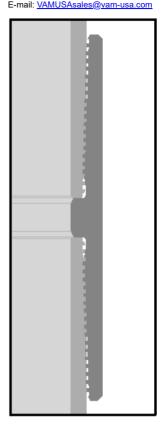
23,000



VAM USA 2107 CityWest Boulevard Suite 1300 Houston, TX 77042 Phone: 713-479-3200 Fax: 713-479-3234

DWC Connection Data Notes:

- 1. DWC connections are available with a seal ring (SR) option.
- All standard DWC/C connections are interchangeable for a given pipe OD. DWC connections are interchangeable with DWC/C-SR connections of the same OD and wall.
- Connection performance properties are based on nominal pipe body and connection dimensions.
- DWC connection internal and external pressure resistance is calculated using the API rating for buttress connections. API Internal pressure resistance is calculated from formulas 31, 32, and 35 in the API Bulletin 5C3.
- DWC joint strength is the minimum pipe body yield strength multiplied by the connection critical area.
- API joint strength is for reference only. It is calculated from formulas 42 and 43 in the API Bulletin 5C3.
- 7. Bending efficiency is equal to the compression efficiency.
- The torque values listed are recommended. The actual torque required may be affected by field conditions such as temperature, thread compound, speed of make-up, weather conditions, etc.
- 9. Connection yield torque is not to be exceeded.
- 10. Reference string length is calculated by dividing the joint strength by both the nominal weight in air and a design factor (DF) of 1.4. These values are offered for reference only and do not include load factors such as bending, buoyancy, temperature, load dynamics, etc.
- 11. DWC connections will accommodate API standard drift diameters.



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10/08/2020 3:58 PM



Connection Data Sheet

 OD (in.)
 WEIGHT (lbs./ft.)
 WALL (in.)
 GRADE
 API DRIFT (in.)
 RBW%
 CONNECTION

 5.000
 Nominal: 18.00
 0.362
 VST P110RY
 4.151
 87.5
 DWC/C-IS PLUS

 Plain End: 17.95

PIPE PROPERTIES			CONN
	5.000	in.	Connection Type
	4.276	in.	Connection O.D. (nom)
	5.275	sq.in.	Connection I.D. (nom)
	API 5CT		Make-Up Loss
	110	ksi	Coupling Length
	125	ksi	Critical Cross Section
	125	ksi	Tension Efficiency
	580	klb	Compression Efficiency
	659	klb	Internal Pressure Efficie
	13,940	psi	External Pressure Efficie
	13,470	psi	
	PIPE PROPERTIES	5.000 4.276 5.275 API 5CT 110 125 125 580 659 13,940	5.000 in. 4.276 in. 5.275 sq.in. API 5CT 110 ksi 125 ksi 125 ksi 580 klb 659 klb

CONNECTION PRO	OPERTIES .	
Connection Type	Semi-Prem	ium T&C
Connection O.D. (nom)	5.800	in.
Connection I.D. (nom)	4.276	in.
Make-Up Loss	4.063	in.
Coupling Length	9.125	in.
Critical Cross Section	5.275	sq.in.
Tension Efficiency	100.0%	of pipe
Compression Efficiency	100.0%	of pipe
Internal Pressure Efficiency	100.0%	of pipe
External Pressure Efficiency	100.0%	of pipe
		- 1

CONNECTION PERFORMANCES											
Yield Strength	580	klb									
Parting Load	659	klb									
Compression Rating	580	klb									
Min. Internal Yield	13,940	psi									
External Pressure	13,470	psi									
Maximum Uniaxial Bend Rating	100.8	°/100 ft									
Reference String Length w 1.4 Design Factor	23,020	ft.									

FIELD END TORQUE VALUES											
Min. Make-up torque	13,300	ft.lb									
Opti. Make-up torque	14,200	ft.lb									
Max. Make-up torque	15,100	ft.lb									
Min. Shoulder Torque	1,330	ft.lb									
Max. Shoulder Torque	10,640	fLlb									
Min. Delta Turn	-	Turns									
Max. Delta Turn	0.200	Turns									
Maximum Operational Torque	16,900	ft.lb									
Maximum Torsional Value (MTV)	18,590	ft.lb									

Need Help? Contact: tech.support@vam-usa.com Reference Drawing: 8084PP Rev.01 & 8084BP Rev.01

Date: 03/03/2020 Time: 01:10:05 PM



For detailed information on performance properties, refer to DWC Connection Data Notes on following page(s).

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VAM USA

2107 CityWest Boulevard Suite 1300

Houston, TX 77042 Phone: 713-479-3200 Fax: 713-479-3234

VAM® USA Sales E-mail: <u>VAMUSAsales@vam-usa.com</u> Tech Support Email: <u>tech.support@vam-usa.com</u>

DWC Connection Data Sheet Notes:

- DWC connections are available with a seal ring (SR) option.
- All standard DWC/C connections are interchangeable for a given pipe OD. DWC connections are interchangeable with DWC/C-SR connections of the same OD and wall.
- 3. Connection performance properties are based on nominal pipe body and connection dimensions.
- DWC connection internal and external pressure resistance is calculated using the API rating for buttress connections. API Internal pressure resistance is calculated from formulas 31, 32, and 35 in the API Bulletin 5C3.
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- Connection yield torque is not to be exceeded.
- 10. Reference string length is calculated by dividing the joint strength by both the nominal weight in air and a design factor (DF) of 1.4. These values are offered for reference only and do not include load factors such as bending, buoyancy, temperature, load dynamics, etc.
- DWC connections will accommodate API standard drift diameters.
- DWC/C family of connections are compatible with API Buttress BTC connections. Please contact tech.support@vam-usa.com for details on connection ratings and make-up.

Connection specifications within the control of VAM USA were correct as of the date printed. Specifications are subject to change without notice. Certain connection specifications are dependent on the mechanical properties of the pipe. Mechanical properties of mill proprietary pipe grades were obtained from mill publications and are subject to change. Properties of mill proprietary grades should be confirmed with the mill. Users are advised to obtain current connection specifications and verify pipe mechanical properties for each application.

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Cascade 28 413H Casing Assumptions

2. Casing Program

Hole Size	Casing Depth From	Casing Depth To	_	_	Weight (lb/ft)	Grade	Conn.	SF Collapse	SF Burst	SF Tension
14 3/4	0	1170	1170	10-3/4"	40.50	J-55	BT&C	3.12	6.18	13.27
9 7/8	0	12515	12456	7-5/8"	29.70	L-80	BT&C	2.44	1.18	1.79
6 3/4	0	11952	11952	5-1/2"	20.00	P-110	BT&C	1.43	1.59	2.83
6 3/4	11952	17441	12590	5"	18.00	P-110	BT&C	1.64	1.66	50.51
					BLM	Minimum S	Safety Factor	1.125	1	1.6 Dry 1.8 Wet



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

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 tmie
- 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.

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).

Emergency Contacts

Coterra Energy

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

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

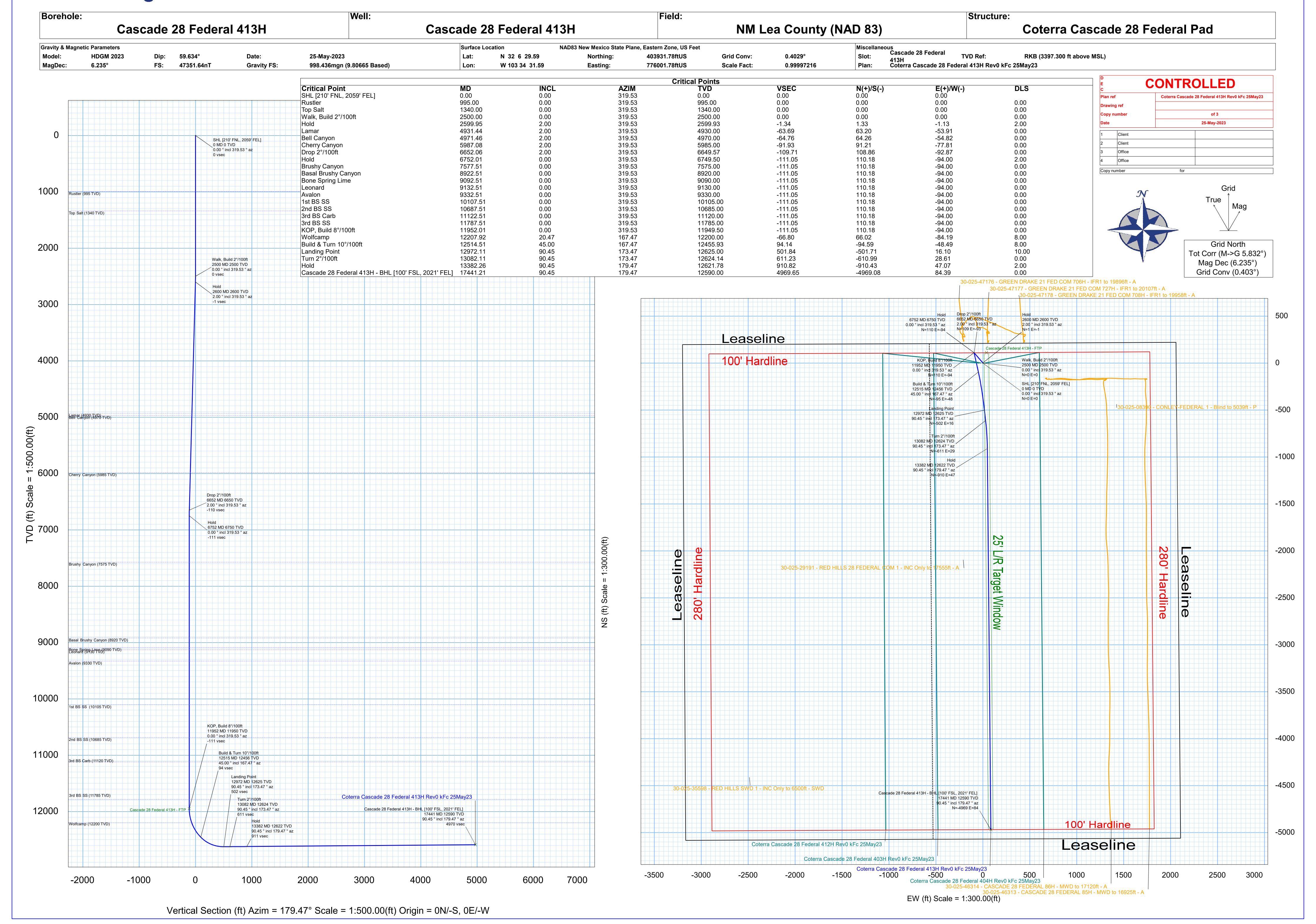
Third Party

	PERMIAN REGION CONTACT NUMBERS												
	CALL 911												
Air Ambulan	ce Services												
	Reeves County Med	lical - 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 Depart		Hospital / Medical Care Facilities								
	Andrews County	432-523-5545		432-523-3111	Permian Regional Med.	432-523-2200							
	Reagan County	325-884-2929	, ,	325-884-3650	Reagan Memorial Hosp.	325-884-2561							
	Howard County	ounty 432-264-2244		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	Kermit	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	Mertzon										
	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				\vdash							
Ground Ami	bulance Services												
	Reeves County Med	lical			Pecos, TX	432-447-3551							
	voo o oarny woo				1 0000, 170	102 447 0001							

COTERRA







Coterra Cascade 28 Federal 413H Rev0 kFc 25May23 Anti-Collision Summary Report

Analysis Date-24hr Time: May 25, 2023 - 05:33 PM (UTC 0) Analysis Method: Reference Trajectory: 3D Least Distance

Client: Coterra Cascade 28 Federal 413H Rev0 kFc 25May23 (Def Plan)

NM Lea County (NAD 83) Coterra Cascade 28 Federal Pad Cascade 28 Federal 413H Every 10.00 Measured Depth (ft)
NAL Procedure: D&M AntiCollision Standard S002 Depth Interval: Rule Set: Field:

Min Pts: Absolute minima indicated. Slot: Cascade 28 Federal 413H Cascade 28 Federal 413H

Well: Borehole: 2022.5.0.11 Cascade 28 Federal 413H–COTERRA Database \ Project: Scan MD Range: 0.00ft ~ 17441.21ft

ISCWSA0 3 - D 95 % Confidence 2.7955 sigma Trajectory Error Model:

Offset Trajectories Summary

Offset Selection Criteria Bounding box scan:

Selection filters:

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

	14 out of 47	are select	ted										
Offset Trajectory		eparation	FOU (#)	Allow	Sep.	Controlling	Reference MD (ft)		Ald	Risk Level	Malan	Alert	Status
Results highlighted in red: Se		MAS (ft)	ΕΟυ (π)	Dev. (ft)	Fact.	Rule	MD (Tt)	TVD (ft)	Alert	Minor	Major		1
Result highlighted in boxed, re	ed and bold: all loo	al minima inc	licated.										
30-025-29191 - RED HILLS 2	O EEDEBAL COM	4.1 INC On	h, to 17555ff	A /Definitiv	o Currour)								Fail Major
30-023-29191 - RED HILLS 2	2106.43	32.81	2104.56	2073.62	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	2106.42	32.81 144.45	2104.56 2009.57	2073.62 1961.98	N/A 22.11	MAS = 10.00 (m) OSF1.50	23.00 2500.00	23.00 2500.00				WRP MinPt-CtCt	
	2209.19	664.03	1765.95	1545.16	5.00	OSF1.50	11240.00	11237.49	OSF<5.00			Enter Alert	
	754.37 502.43	754.73 754.82	250.71 -1.30	-0.36 -252.40	1.50 1.00	OSF1.50 OSF1.50	13860.00 14140.00	12618.04 12615.85		OSF<1.50	OSF<1.00	Enter Minor Enter Major	
	267.29	755.76	-237.06	-488.47	0.53	OSF1.50	14570.00	12612.48				MinPts	
	501.64 753.50	754.72 754.40	-2.02 250.06	-253.08 -0.90	1.00 1.50	OSF1.50 OSF1.50	14990.00 15270.00	12609.19 12607.00		OSF>1.50	OSF>1.00	Exit Major Exit Minor	
	2508.74	753.77	2005.71	1754.96	5.00	OSF1.50	17060.00	12592.99	OSF>5.00			Exit Alert	
	2888.05	753.70	2385.07	2134.35	5.76	OSF1.50	17441.21	12590.00				TD	1
30-025-08390 - CONLEY-FE							0.00	0.00				0.1	Fail Major
	1492.06 1491.72	32.81 32.81	1490.20 1489.82	1459.25 1458.91	N/A 36794.85	MAS = 10.00 (m) MAS = 10.00 (m)	0.00 20.00	0.00 20.00				Surface MinPt-O-SF	•
	1491.69 1491.64	32.81 463.22	1489.79 1182.21	1458.89 1028.43	39797.83 4.84	MAS = 10.00 (m) OSF1.50	23.00 360.00	23.00 360.00	OSF<5.00			WRP Enter Alert	
	1491.64	1501.00	490.36	-9.36	1.49	OSF1.50	860.00	860.00	USF<5.00	OSF<1.50		Enter Minor	
	1491.64 1491.64	2248.00 4904.73	-7.58 -1778 73	-756.36 -3/13.08	0.99 0.46	OSF1.50 OSF1.50	1220.00 2500.00	1220.00 2500.00			OSF<1.00	Enter Major MinPt-CtCt	
	1566.85	10247.82	-5265.59	-8680.98	0.23	OSF1.50	5080.00	5078.47				MinPts	
	3322.53 4067.85	4984.65 4071.83	-1.13 1352.74	-1662.13 -3.98	1.00 1.50	OSF1.50 OSF1.50	7980.00 8810.00	7977.49 8807.49		OSF>1.50	OSF>1.00	Exit Major Exit Minor	
	7346.11	2209.34	5872.71	5136.77	4.99	OSF1.50	12260.00	12248.09	OSF>5.00			Exit Alert	
	7679.87 7744.96	1882.60 2330.52	6424.29 6190.77	5797.27 5414.44	6.12 4.99	OSF1.50 OSF1.50	13110.00 14010.00	12623.92 12616.87	OSF<5.00			MinPt-CtCt Enter Alert	
	8877.56	5456.90	5239.12	3420.66	2.44	OSF1.50	17441.21	12590.00				MinPts	
Coterra Cascade 28 Federal 4	403H Rev0 kFc 25	5May23 (Defi	nitivePlan)										Fail Minor
	19.90	16.13	18.84	3.77	N/A	MAS = 4.92 (m)	0.00	0.00	CtCt<=15m<15.00			Enter Alert	
	19.90 19.90	16.13 19.90	18.84 6.31	3.77 0.00	N/A 1.50	MAS = 4.92 (m) OSF1.50	23.00 1320.00	23.00 1320.00		OSF<1.50		WRP Enter Minor	
	19.90	27.12 27.56	1.49 1.35	-7.22	1.09 1.08	OSF1.50 OSF1.50	1800.00 1830.00	1800.00 1830.00				MinPt-CtCt MinPts	
	20.05 20.17	27.71	1.37	-7.51 -7.54	1.08	OSF1.50	1840.00	1840.00				MinPt-O-ADP	
	30.54 145.51	30.72 44.42	9.73 115.56	-0.18 101.08	1.49 4.99	OSF1.50 OSF1.50	2050.00 2990.00	2050.00 2989.74	OSF>5.00	OSF>1.50		Exit Minor Exit Alert	
	431.55	130.24	344.39	301.30	5.00	OSF1.50	8690.00	8687.49	OSF<5.00			Enter Alert	
	431.54 431.74	175.16 175.96	314.44 314.10	256.38 255.77	3.71 3.69	OSF1.50 OSF1.50	11730.00 11830.00	11727.49 11827.49				MinPt-CtCt MINPT-O-EOU	
	431.88	176.13	314.13	255.75	3.69	OSF1.50	11850.00	11847.49				MinPt-O-ADP	•
	432.77 564.84	176.65 170.20	314.67 451.04	256.12 394.64	3.69 5.00	OSF1.50 OSF1.50	11910.00 12730.00	11907.49 12576.72	OSF>5.00			MinPt-O-SF Exit Alert	
	623.11	187.70	497.65	435.41	5.00	OSF1.50	14840.00	12610.37	OSF<5.00			Enter Alert	
	624.25	235.71	466.78	300.54	3.98	OSF1.50	17441.21	12590.00				MinPts	
Coterra Cascade 28 Federal 4	404H Rev0 kFc 25 20.13	5May23 (Defi 16.29	nitivePlan) 19.06	3.84	N/A	MAS = 4.96 (m)	0.00	0.00	CtCt<=15m<15.00			Enter Aleri	Fail Minor
	20.13	16.29	19.06	3.84	N/A N/A	MAS = 4.96 (m) MAS = 4.96 (m)	23.00	23.00	CtCt<=15m<15.00			Enter Alen WRP	
	20.09 20.09	20.19 27.11	6.30 1.69	-0.10 -7.02	1.49 1.10	OSF1.50 OSF1.50	1340.00 1800.00	1340.00 1800.00		OSF<1.50		Enter Minor MinPt-CtCt	
	20.23	27.55	1.53	-7.02 -7.32	1.09	OSF1.50	1830.00	1830.00				MinPts	
	20.35 30.68	27.70 30.71	1.55 9.88	-7.35 -0.03	1.09 1.50	OSF1.50 OSF1.50	1840.00 2050.00	1840.00 2050.00		OSF>1.50		MinPt-O-ADP Exit Minor	
	135.33	41.58	107.29	93.76	4.96	OSF1.50	2800.00	2799.86	OSF>5.00			Exit Alert	
	695.56 695.69	176.03 176.19	577.87 577.90	519.53 519.50	5.95 5.95	OSF1.50 OSF1.50	11840.00 11860.00	11837.49 11857.49				MINPT-O-EOU MinPt-O-ADP	
	698.10 699.15	177.31	579.57	520.79	5.93	OSF1.50	12000.00	11997.46				MinPt-O-SF	
	622.50	177.58 172.50	580.44 507.17	521.57 450.00	5.93 5.44	OSF1.50 OSF1.50	12100.00 13380.00	12096.44 12621.80				MinPt-O-SF MinPt-CtCt	
	623.30 624.70	187.76 235.83	497.80 467.15	435.54 388.87	5.00 3.98	OSF1.50 OSF1.50	14870.00 17441.21	12610.13 12590.00	OSF<5.00			Enter Alert MinPts	
		_		500.07	0.30	001 1.00	17441.21	12550.00				Will to	
Coterra Cascade 28 Federal 4	412H Rev0 kFc 25 39.90	5May23 (Defi 32.13	nitivePlan) 38.84	7.77	N/A	MAS = 9.79 (m)	0.00	0.00	CtCt<=15m<15.00			Enter Alert	Warning Alert
	39.90	32.13	38.84	7.77	N/A	MAS = 9.79 (m)	23.00	23.00	0.00-1011-10.00			WRP	1
	39.90 40.05	32.13 32.13	23.50	7.77 7.92	2.52 2.49	MAS = 9.79 (m) MAS = 9.79 (m)	1600.00 1630.00	1600.00 1630.00				MinPts MINPT-O-EOU	
	40.74	32.13	23.65	8.60	2.47	MAS = 9.79 (m)	1670.00	1670.00				MinPt-O-SF	
	105.17 973.60	32.63 179.34	83.09 853.72	72.55 794.26	4.94 8.18	OSF1.50 OSF1.50	2220.00 11970.00	2220.00 11967.49	OSF>5.00			Exit Alert MINPT-O-EOU	
	973.67	179.41	853.74	794.26	8.18	OSF1.50	11980.00	11977.49				MinPt-O-ADP	1
	974.24 1119.16	179.62 243.78	854.16 956.31	794.61 875.38	8.17 6.91	OSF1.50 OSF1.50	12020.00 17441.21	12017.39 12590.00				MinPt-O-SF MinPts	
20 025 47476 ODECN DO	VE 24 EED 00**	70611 1554	to 100000	A (Def=#:	Supray)								Warning Alert
30-025-47176 - GREEN DRA	KE 21 FED COM 504.53	706H - IFR1 32.81	to 19896ft - 502.67	A (Definitive 471.73	Survey) N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	504.49 491.99	32.81 32.81	502.62 482.08	471.68 459.18	73112.75 60.90	MAS = 10.00 (m) MAS = 10.00 (m)	23.00 890.00	23.00 890.00				WRP MINPT-O-EOU	
	252.39	76.99	200.51	175.40	4.99	OSF1.50	5140.00	5138.43	OSF<5.00			Enter Alert	
	230.90 164.21	100.47 160.94	163.37 56.36	130.43 3.26	3.48 1.53	OSF1.50 OSF1.50	6740.00 10800.00	6737.49 10797.49				MinPt-CtCt MinPt-CtCt	
	164.40	161.51	56.17	2.89	1.53	OSF1.50	10840.00	10837.49				MINPT-O-EOU	
	164.76 182.99	161.94 169.56	56.25 69.40	2.82 13.43	1.53 1.62	OSF1.50 OSF1.50	10870.00 11390.00	10867.49 11387.49				MinPts MinPts	
	187.03 187.51	175.30	69.65 69.74	11.73	1.60	OSF1.50 OSF1.50	11790.00 11830.00	11787.49				MINPT-O-EOU MinPt-O-ADP	
	187.66	175.88 176.02	69.80	11.63 11.63	1.60 1.60	OSF1.50	11840.00	11827.49 11837.49				MinPt-O-SF	
	532.63 5282.55	161.75 183.61	424.28 5159.63	370.88 5098.94	4.97 43.51	OSF1.50 OSF1.50	12470.00 17441.21	12423.50 12590.00	OSF>5.00			Exit Alert	
	J202.JJ	103.01	5135.03	5000.04	+3.01	OGF 1.50	11-4-41.21	12390.00				ID	

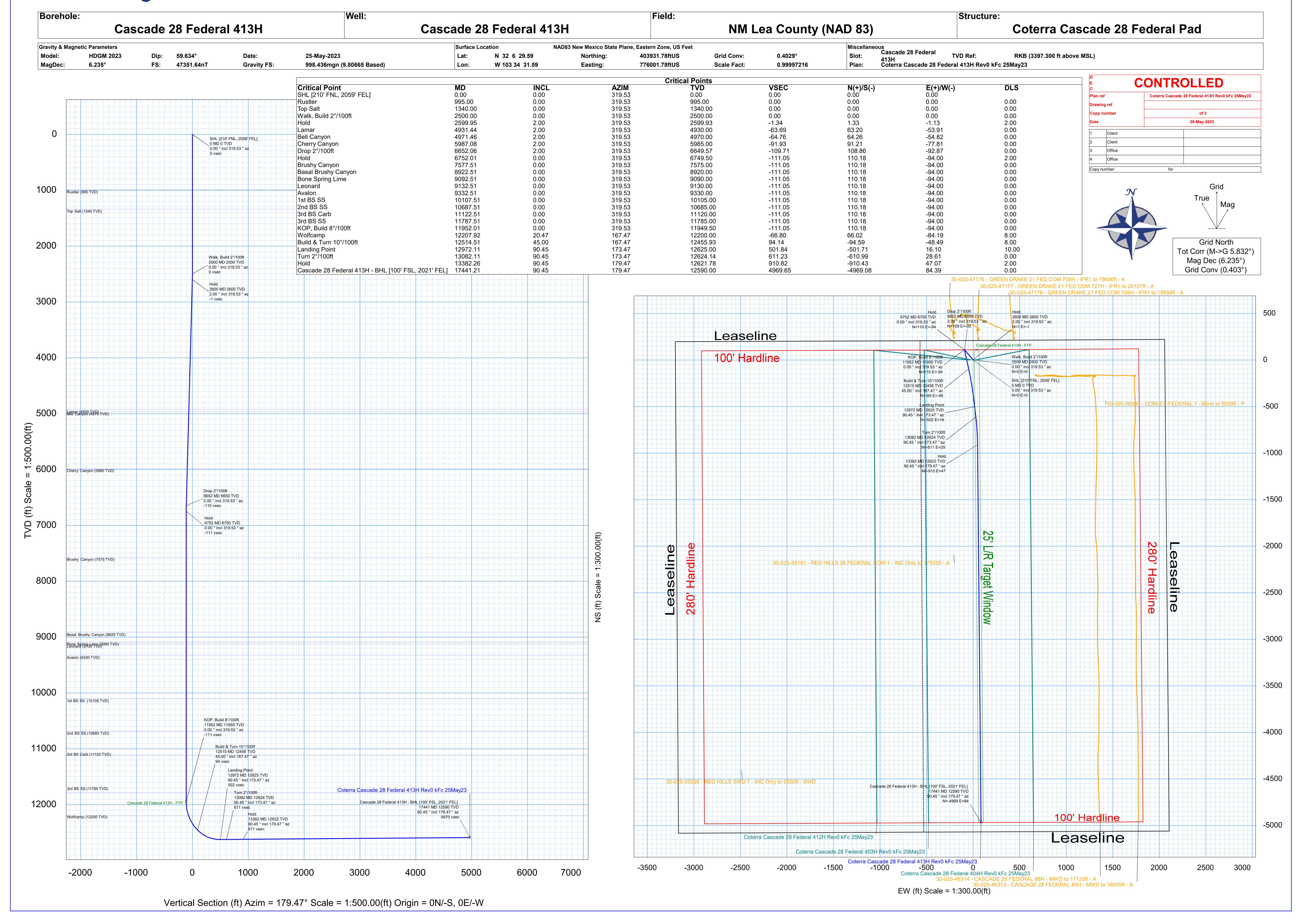
Offset Trajectory	;	Separation		Allow	Sep.	Controlling	Reference	Trajectory		Risk Level	Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)	Dev. (ft)	Fact.	Rule	MD (ft)	TVD (ft)	Alert	Minor Major		
30-025-47177 - GREEN DRAK	E 21 FED CON 496.04	1 727H - IFR1 32.81	to 20107ft 494.18	- A (DefinitiveS 463.24	Survey) N/A	MAS = 10.00 (m)	0.00	0.00			Surface	Warning Alert
	496.00 489.00	32.81 32.81	494.13 482.30	463.19 456.19	111565.92 100.73	MAS = 10.00 (m) MAS = 10.00 (m)	23.00 570.00	23.00 570.00			WRP MinPts	
	489.17 273.40	32.81 78.85	482.20 220.28	456.36 194.55	95.35 5.28	MAS = 10.00 (m) OSF1.50	600.00 5260.00	600.00 5258.36			MINPT-O-EOU MinPt-CtCl	
	273.08	83.10	217.13	189.98	5.00	OSF1.50	5550.00	5548.18	OSF<5.00		Enter Alert	
	184.23	137.83 147.04	95.38 85.65	49.99 37.20	2.05 1.88	OSF1.50 OSF1.50	9230.00 9850.00	9227.49 9847.49			MinPt-CtCt MinPt-CtCt	
	184.34 184.47	147.31 147.45	85.58 85.62	37.03 37.02	1.88 1.88	OSF1.50 OSF1.50	9870.00 9880.00	9867.49 9877.49			MINPT-O-EOU MinPts	
	192.75 193.18	154.36 157.90	89.29 87.36	38.39 35.28	1.88 1.84	OSF1.50 OSF1.50	10350.00 10590.00	10347.49 10587.49			MinPt-CtCl MinPt-CtCl	
	194.41 195.43	161.01 162.33	86.52 86.66	33.40 33.10	1.81 1.81	OSF1.50 OSF1.50	10800.00 10890.00	10797.49 10887.49			MINPT-O-EOU MinPt-O-ADP	
	195.59 181.30	162.48 178.81	86.72 61.58	33.11 2.48	1.81 1.52	OSF1.50 OSF1.50	10900.00 12020.00	10897.49 12017.39			MinPt-O-SF MinPt-CtCl	
	181.30 534.38	178.94 163.78	61.50 424.68	2.36 370.60	1.52 4.93	OSF1.50 OSF1.50	12030.00 12610.00	12027.34 12517.59	OSF>5.00		MinPts Exit Alert	
	5211.12	184.64	5087.52	5026.48	42.68	OSF1.50	17441.21	12590.00			TD	
30-025-47178 - GREEN DRAK	E 21 FED CON 488.77	1 708H - IFR1 32.81	to 19958ft 486.91	- A (DefinitiveS 455.96	Survey) N/A	MAS = 10.00 (m)	0.00	0.00			Surface	Warning Alert
	488.73	32.81	486.85	455.92	37744.07	MAS = 10.00 (m)	23.00	23.00			WRP	
	470.73 471.00	32.81 32.81	462.37 462.16	437.92 438.19	72.13 67.31	MAS = 10.00 (m) MAS = 10.00 (m)	730.00 780.00	730.00 780.00			MinPts MINPT-O-EOU	
	415.86 416.99	55.76 58.63	378.14 377.35	360.11 358.36	11.49 10.94	OSF1.50 OSF1.50	3670.00 3860.00	3669.33 3859.21			MinPt-CtCl MINPT-O-EOU	
	418.77 418.96	62.49 63.08	376.56 376.35	356.28 355.88	10.28 10.19	OSF1.50 OSF1.50	4110.00 4150.00	4109.06 4149.04			MinPt-CtCt MINPT-O-EOU	
	419.21 474.61	63.37 76.14	376.41 423.29	355.85 398.46	10.15 9.52	OSF1.50 OSF1.50	4170.00 5020.00	4169.02 5018.51			MinPt-O-ADP MinPt-O-SF	
	561.70 542.27	115.97 155.45	483.83 438.08	445.73 386.82	7.35 5.27	OSF1.50 OSF1.50	7700.00 10390.00	7697.49 10387.49			MinPt-CtCt MinPt-CtCt	
	542.60 543.08	156.48 157.06	437.73 437.82	386.12 386.02	5.24 5.23	OSF1.50 OSF1.50	10460.00 10500.00	10457.49 10497.49			MINPT-O-EOU MinPt-O-ADP	
	548.12 552.81	161.69 167.11	439.77 440.85	386.43 385.71	5.12 5.00	OSF1.50 OSF1.50	10810.00 11170.00	10807.49 11167.49	OSF<5.00		MinPt-O-ADP Enter Alert	
	539.44 539.57	176.40 176.83	421.33 421.17	363.04 362.74	4.61 4.60	OSF1.50 OSF1.50	11810.00 11840.00	11807.49 11837.49	00, 0.00		MinPt-CtCl MINPT-O-EOU	
	539.79	177.11	421.21	362.68	4.60	OSF1.50	11860.00	11857.49			MinPt-O-ADP	
	541.53 585.99	178.04 177.89	422.33 466.88	363.50 408.10	4.59 4.97	OSF1.50 OSF1.50	11930.00 12230.00	11927.49 12220.57	OSF>5.00		MinPt-O-SF Exit Alert	
	5256.45	184.52	5132.93	5071.93	43.07	OSF1.50	17441.21	12590.00			TD	
Cimarex Cascade 28 Federal 5	7H Rev0 RM 7I 531.27	Mar18 (NonDe 32.81	efinitivePlan) 529.41	498.46	N/A	MAS = 10.00 (m)	0.00	0.00			Surface	Pass
	531.27 531.27	32.81 32.81	529.40 522.47	498.46 498.46	68075.43 76.29	MAS = 10.00 (m) MAS = 10.00 (m)	23.00 890.00	23.00 890.00			WRP MINPT-O-EOU	
	531.27 531.35	32.81 32.81	517.65 517.50	498.46 498.54	44.29 43.48	MAS = 10.00 (m) MAS = 10.00 (m)	1490.00 1520.00	1490.00 1520.00			MinPts MINPT-O-EOU	
	595.76 710.52	32.81 135.86	574.07 619.39	562.95	29.70 7.92	MAS = 10.00 (m) OSF1.50	2599.95 11390.00	2599.93 11387.49			MinPt-O-SF MinPts	
	710.52 710.55	141.49 141.70	615.68 615.57	569.02 568.85	7.60 7.59	OSF1.50 OSF1.50	11860.00 11880.00	11857.49 11877.49			MinPt-CtCt MINPT-O-EOU	
	710.75	141.95	615.59	568.80	7.58	OSF1.50	11900.00	11897.49			MinPts	
	712.13 831.10	142.74 144.60	616.28 732.10	569.39 686.51	7.57 9.03	OSF1.50 OSF1.50	11952.01 13030.00	11949.50 12624.55			MinPt-O-SF MinPt-O-SF	
	843.66 844.03	170.41 205.18	727.77 705.01	673.25 638.85	7.67 6.33	OSF1.50 OSF1.50	15530.00 17230.00	12604.97 12591.65			MinPt-CtCt MinPts	
	845.97 875.15	206.25 208.31	706.12 733.47	639.72 666.84	6.32 6.50	OSF1.50 OSF1.50	17270.00 17441.21	12591.34 12590.00			MinPt-O-SF TD	
30-025-46314 - CASCADE 28	FEDERAL 86H	- MWD to 17	120ft - A (D	efinitiveSurvey)							Pass
	703.37 703.34	32.81 32.81	701.50 701.47	670.56 670.53	N/A 130357.61	MAS = 10.00 (m) MAS = 10.00 (m)	0.00 23.00	0.00 23.00			Surface WRP	
	684.38 684.58	32.81 32.81	670.94	651.57 651.77	58.00 56.29	MAS = 10.00 (m) MAS = 10.00 (m)	1270.00 1310.00	1270.00 1310.00			MinPts MINPT-O-EOU	
	701.34 701.52	36.56 37.88	676.41 675.72	664.78 663.65	30.08 28.99	OSF1.50 OSF1.50	2440.00 2530.00	2440.00 2530.00			MinPt-CtCl MINPT-O-EOU	
	701.78 1428.33	38.17	675.78	663.61	28.77	OSF1.50	2550.00	2550.00			MinPt-O-ADP	
	1429.77	140.13 144.33	1334.35 1333.00	1288.19 1285.45	15.45 15.02	OSF1.50 OSF1.50	9350.00 9640.00	9347.49 9637.49			MinPt-CtCl MINPT-O-EOU	
	1430.49 1258.49	145.18 205.56	1333.15 1120.94	1285.31 1052.93	14.93 9.24	OSF1.50 OSF1.50	9700.00 14300.00	9697.49 12614.60			MinPt-O-ADP MinPt-CtCt	
	1258.70 1259.03	206.13 206.51	1120.77 1120.85	1052.57 1052.53	9.22 9.20	OSF1.50 OSF1.50	14330.00 14350.00	12614.36 12614.21			MINPT-O-EOU MinPt-O-ADP	
	1277.19 1278.13	215.15 218.63	1133.25 1131.86	1062.04 1059.49	8.96 8.82	OSF1.50 OSF1.50	14660.00 14790.00	12611.78 12610.76			MinPt-CtCl MINPT-O-EOU	
	1279.20 1271.69	219.95 242.75	1132.06 1109.35	1059.26 1028.94	8.77 7.90	OSF1.50 OSF1.50	14840.00 15520.00	12610.37 12605.04			MinPt-O-ADP MinPt-CtC1	
	1272.19 1272.87	244.48 245.34	1108.69 1108.80	1027.71 1027.53	7.85 7.82	OSF1.50 OSF1.50	15580.00 15610.00	12604.57 12604.34			MINPT-O-EOU MinPt-O-ADP	
	1278.31	273.39 294.80	1095.53 1066.04	1004.91 968.28	7.04 6.45	OSF1.50 OSF1.50	16330.00 16850.00	12598.70 12594.63			MinPt-CtCt MinPt-CtCt	
	1267.92	305.19 313.08	1063.95 1064.71	962.73 960.86	6.26 6.13	OSF1.50 OSF1.50	17110.00 17300.00	12592.59 12591.11			MINPT-O-EOU MinPt-O-ADP	
	1273.94 1280.69	318.72	1064.71	961.97	6.05	OSF1.50	17441.21	12590.00			MinPt-O-SF	
30-025-46313 - CASCADE 28												Pass
	722.85 722.81	32.81 32.81	720.99 720.95	690.04 690.00	N/A 3777969.23	MAS = 10.00 (m) MAS = 10.00 (m)	0.00 23.00	0.00 23.00			Surface WRP	
	722.75 720.82	32.81 32.81	719.47 710.92	689.95 688.01	505.87 89.45	MAS = 10.00 (m) MAS = 10.00 (m)	230.00 890.00	230.00 890.00			MinPts MINPT-O-EOU	
	719.00 719.26	32.81 32.81	706.63 706.33	686.20 686.45	66.99 63.69	MAS = 10.00 (m) MAS = 10.00 (m)	1160.00 1220.00	1160.00 1220.00			MinPts MINPT-O-EOU	
	859.73 1161.70	49.44 75.42	826.22 1110.87	810.29 1086.28	26.94 23.59	OSF1.50 OSF1.50	3410.00 5120.00	3409.49 5118.45			MinPt-O-SF MinPt-O-SF	
	1180.19 1427.16	76.59 94.73	1128.57 1363.45	1103.59 1332.42	23.59	OSF1.50 OSF1.50	5220.00 6440.00	5218.39 6437.64			MinPt-O-SF MinPt-O-SF	
	1484.39	99.25	1417.67	1385.14	22.79	OSF1.50	6730.00	6727.49			MinPt-O-SF	
	1837.33 1839.86	160.76 171.21	1729.60 1725.17	1676.57 1668.65	17.31 16.26	OSF1.50 OSF1.50	10680.00 11390.00	10677.49 11387.49			MinPt-CtCl MinPts	
	1840.75 1842.27	173.24 176.06	1724.75 1724.39	1667.51 1666.21	16.07 15.82	OSF1.50 OSF1.50	11540.00 11730.00	11537.49 11727.49			MINPT-O-EOU MINPT-O-EOU	
	1842.95 1706.76	176.90 189.22	1724.50 1580.11	1666.04 1517.55	15.75 13.63	OSF1.50 OSF1.50	11790.00 13550.00	11787.49 12620.47			MinPt-O-ADP MinPt-CtCl	
	1707.07 1707.57	190.05 190.64	1579.86 1579.97	1517.02 1516.94	13.57 13.53	OSF1.50 OSF1.50	13610.00 13650.00	12620.00 12619.69			MINPT-O-EOU MinPt-O-ADP	
	1712.28 1712.92	222.67 224.54	1563.32 1562.71	1489.61 1488.38	11.60 11.51	OSF1.50 OSF1.50	14960.00 15030.00	12609.43 12608.88			MinPt-CtCt MINPT-O-EOU	
	1713.79 1709.81	225.60 252.24	1562.87 1541.14	1488.18 1457.57	11.46 10.22	OSF1.50 OSF1.50	15070.00 15820.00	12608.57 12602.69			MinPt-O-ADP MinPt-CtCl	
	1713.42	259.96	1539.60	1453.46	9.94	OSF1.50	16040.00	12602.69 12600.97 12596.04			MINPT-O-EOU MinPt-CtCl	
	1720.97 1718.00	285.80 314.64	1529.92 1507.73	1435.17 1403.36	9.07 8.22	OSF1.50 OSF1.50	16670.00 17350.00	12590.71			MinPt-CtCt	
	1717.98	318.69	1505.00	1399.28	8.12	OSF1.50	17441.21	12590.00			MinPts	
Cimarex Cascade 28 Federal #	1851.78	32.81	1849.91	1818.97	N/A	MAS = 10.00 (m)	0.00	0.00			Surface	Pass
	1851.74	32.81	1849.85		77810.79	MAS = 10.00 (m)	23.00	23.00			WRP	

Offset Trajectory	ffset Trajectory Separation			Allow	Sep.	Controlling	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)	Dev. (ft)	Fact.	Rule	MD (ft)	TVD (ft)	Alert	Minor	Major		
•	1851.74	32.81	1842.94	1818.93	267.01	MAS = 10.00 (m)	890.00	890.00				MINPT-O-EOU	
	1468.54	97.07	1403.27	1371.47	23.06	OSF1.50	8250.00	8247.49				MinPts	
	1091.06	114.30	1013.96	976.77	14.63	OSF1.50	9250.00	9247.49				MinPt-CtCt	
	1091.21	114.70	1013.78	976.51	14.60	OSF1.50	9270.00	9267.49				MinPts	
	1093.15	115.58	1014.96	977.57	14.57	OSF1.50	9320.00	9317.49				MinPt-O-SF	
	3489.87	104.42	3415.99	3385.45	56.92	OSF1.50	13020.00	12624.63				MinPt-CtCt	
	3489.91	104.53	3415.96	3385.38	56.86	OSF1.50	13040.00	12624.47				MinPts	
	3452.92	200.51	3314.97	3252.41	27.50	OSF1.50	17230.00	12591.65				MinPt-CtCt	
	3453.04	200.91	3314.80	3252.13	27.45	OSF1.50	17260.00	12591.42				MINPT-O-EOU	
	3453.26 3459.28	201.18 203.27	3314.83 3319.37	3252.08 3256.01	27.41	OSF1.50 OSF1.50	17280.00 17441.21	12591.26 12590.00				MinPt-O-ADP MinPt-O-SF	
	3459.28	203.27	3319.37	3256.01	27.19	USF1.50	1/441.21	12590.00				MINPT-U-SF	
Cimarex Red Hills Unit 36H Con	rected MWD t	o 22502ft (De	finitiveSurvey	()									Pass
	6124.59	32.81	6123.53		#########	MAS = 10.00 (m)	0.00	0.00				Surface	
	6124.57	32.81	6123.45		111875.13	MAS = 10.00 (m)	23.00	23.00				WRP	
	6006.88	40.35	5979.65	5966.53	228.86	OSF1.50	2599.95	2599.93				MinPt-O-SF	
	5622.83	143.08	5527.12	5479.75	59.34	OSF1.50	9600.00	9597.49				MinPt-CtCt	
	5624.58	146.87	5526.34	5477.71	57.82	OSF1.50	9890.00	9887.49				MINPT-O-EOU	
	5626.23	149.56	5526.19	5476.67	56.79	OSF1.50	10080.00	10077.49				MINPT-O-EOU	
	5628.60	152.62	5526.53	5475.98	55.67	OSF1.50	10310.00	10307.49				MinPt-O-ADP	
	5629.32	155.53	5525.31	5473.80	54.63	OSF1.50	10480.00	10477.49				MinPt-CtCt	
	5629.94 5630.65	157.33 158.17	5524.73 5524.88	5472.61 5472.49	54.01 53.72	OSF1.50 OSF1.50	10630.00 10700.00	10627.49 10697.49				MINPT-O-EOU MinPt-O-ADP	
	5632.42	171.17	5517.98	5461.25	49.63	OSF 1.50	11580.00	11577.49				MinPt-CtCt	
	5632.42	171.17	5517.96 5517.49	5460.26	49.03	OSF 1.50	11710.00	11707.49				MINPT-O-EOU	
	5633.76	174.05	5517.49	5459.71	48.82	OSF1.50	11810.00	11807.49				MINPT-O-EOU	
	5634.47	174.89	5517.55	5459.59	48.59	OSF1.50	11880.00	11877.49				MinPt-O-ADP	
	1242.69	198.02	1110.35	1044.67	9.45	OSF1.50	17441.21	12590.00				MinPts	
		-											
30-025-35598 - RED HILLS SW													Pass
	5064.51	32.81	5062.64	5031.70	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	5064.50	32.81	5062.59	5031.69	107080.82	MAS = 10.00 (m)	23.00	23.00				WRP	
	5064.50	132.46	4975.64	4932.04	58.06	OSF1.50	2500.00	2500.00				MinPt-CtCt	
	5113.65	464.07	4803.72	4649.58	16.58	OSF1.50	6510.00	6507.60				MinPts	
	5113.80 6608.29	464.08	4803.85 6452.40	4649.71 6375.23	16.58 42.80	OSF1.50	6520.00	6517.59 12594.16				MinPt-O-SF MinPt-CtCt	
		233.06 233.85	6452.40 6452.17			OSF1.50	16910.00					MINPT-O-EOU	
	6608.58 6608.93	233.85	6452.17	6374.73 6374.67	42.66 42.59	OSF1.50 OSF1.50	16970.00 17000.00	12593.69 12593.45				MINPT-O-EOU MinPt-O-ADP	
	6629.78	234.27	6467.76	6387.52	42.59 41.30	OSF1.50 OSF1.50	17000.00	12593.45				MinPt-O-ADP MinPt-O-SF	
	0029.70	242.20	0401.70	0301.52	41.30	OGF 1.50	17441.21	12080.00				WIII IF t-U-SF	

COTERRA







Coterra Cascade 28 Federal 413H Rev0 kFc 25May23 Anti-Collision Summary Report

Analysis Date-24hr Time: May 25, 2023 - 05:33 PM (UTC 0) Analysis Method: Reference Trajectory: 3D Least Distance

Client:

Coterra Cascade 28 Federal 413H Rev0 kFc 25May23 (Def Plan) Every 10.00 Measured Depth (ft) NAL Procedure: D&M AntiCollision Standard S002 NM Lea County (NAD 83) Coterra Cascade 28 Federal Pad Cascade 28 Federal 413H Depth Interval: Rule Set: Field:

Min Pts: Absolute minima indicated. Slot: Cascade 28 Federal 413H Cascade 28 Federal 413H

Well: Borehole: 2022.5.0.11 Cascade 28 Federal 413H–COTERRA Database \ Project: Scan MD Range: 0.00ft ~ 17441.21ft

ISCWSA0 3 - D 95 % Confidence 2.7955 sigma Trajectory Error Model:

Offset Trajectories Summary

Offset Selection Criteria
Bounding box scan: Selection filters:

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

	- All Non-L			Det-Survey is	s set in a bo	renole - All Non-L	et Plans whe	n no Det-Plan	is set in a borehole				
Offset Trajectory		Separation		Allow	Sep.	Controlling	Reference	Trajectory		Risk Level		Alert	Status
Danish bioblished is and Conf		MAS (ft)	EOU (ft)	Dev. (ft)	Fact.	Rule	MD (ft)	TVD (ft)	Alert	Minor	Major		
Results highlighted in red: Sep-f Result highlighted in boxed, red		cal minima ir	ndicated.										
30-025-29191 - RED HILLS 28	FEDERAL COI 2106.43	M 1 - INC O 32.81	nly to 17555f 2104.56		Survey) N/A	MAS = 10.00 (m)	0.00	0.00				Surface	Fail Major
	2106.42	32.81	2104.56	2073.62	N/A	MAS = 10.00 (m)	23.00	23.00				WRP	•
	2106.42 2209.19	144.45 664.03	2009.57 1765.95	1961.98 1545.16	22.11 5.00	OSF1.50 OSF1.50	2500.00 11240.00	2500.00 11237.49	OSF<5.00			MinPt-CtCt Enter Alert	
	754.37	754.73	250.71	-0.36	1.50	OSF1.50	13860.00	12618.04		OSF<1.50	005 4 00	Enter Minor	
	267.29	754.82 755.76	-1.30 - 237.06	-252.40 -488.47	1.00 0.53	OSF1.50 OSF1.50	14140.00 14570.00	12615.85 12612.48			OSF<1.00	Enter Major MinPts	
	501.64 753.50	754.72 754.40	-2.02 250.06	-253.08 -0.90	1.00	OSF1.50 OSF1.50	14990.00 15270.00	12609.19 12607.00		OSE>1.50	OSF>1.00	Exit Major Exit Minor	
	2508.74	753.77	2005.71	1754.96	5.00	OSF1.50	17060.00	12592.99	OSF>5.00	001 - 1.00		Exit Alert	t
	2888.05	753.70	2385.07	2134.35	5.76	OSF1.50	17441.21	12590.00				TD)
30-025-08390 - CONLEY-FEDE	ERAL 1 - Blind	to 5039ft - P	(DefinitiveSu	urvey)									Fail Major
	1492.06 1491.72	32.81 32.81	1490.20 1489.82		N/A 36794.85	MAS = 10.00 (m) MAS = 10.00 (m)	0.00 20.00	0.00 20.00				Surface MinPt-O-SF	
	1491.69 1491.64	32.81 463.22	1489.79 1182.21	1458.89 1028.43	39797.83 4.84	MAS = 10.00 (m) OSF1.50	23.00 360.00	23.00 360.00	OSF<5.00			WRP Enter Alert	
	1491.64	1501.00	490.36	-9.36	1.49	OSF1.50	860.00	860.00	001 10:00	OSF<1.50		Enter Minor	r
	1491.64 1491.64	2248.00 4904.73	-7.58 -1778.73	-756.36 -3413.08	0.99 0.46	OSF1.50 OSF1.50	1220.00 2500.00	1220.00 2500.00			OSF<1.00	Enter Major MinPt-CtCt	
	1566.85 3322.53	10247.82 4984.65	-5265.59 -1.13	-8680.98 -1662.13	0.23 1.00	OSF1.50 OSF1.50	5080.00 7980.00	5078.47 7977.49			OSF>1.00	MinPts Exit Major	
	4067.85	4071.83	1352.74	-3.98	1.50	OSF1.50	8810.00	8807.49		OSF>1.50	03F>1.00	Exit Minor	r
	7346.11 7679.87	2209.34 1882.60	5872.71 6424.29	5136.77 5797.27	4.99 6.12	OSF1.50 OSF1.50	12260.00 13110.00	12248.09 12623.92	OSF>5.00			Exit Alert MinPt-CtCt	
	7744.96	2330.52	6190.77	5414.44	4.99	OSF1.50	14010.00	12616.87	OSF<5.00			Enter Alert	t
	8877.56	5456.90	5239.12	3420.66	2.44	OSF1.50	17441.21	12590.00				MinPts	
Coterra Cascade 28 Federal 403	3H Rev0 kFc 2 19.90	5May23 (De 16.13	finitivePlan) 18.84	3.77	N/A	MAS = 4.92 (m)	0.00	0.00	CtCt<=15m<15.00			Enter Aleri	Fail Minor
	19.90	16.13	18.84	3.77	N/A	MAS = 4.92 (m)	23.00	23.00	GIGIN- 15IIIN 15.00			WRP	•
	19.90 19.90	19.90 27.12	6.31 1.49	0.00 -7.22	1.50 1.09	OSF1.50 OSF1.50	1320.00 1800.00	1320.00 1800.00		OSF<1.50		Enter Minor MinPt-CtCl	
	20.05	27.56 27.71	1.35	-7.51	1.08 1.08	OSF1.50 OSF1.50	1830.00 1840.00	1830.00 1840.00				MinPts MinPt-O-ADP	
	20.17 30.54	30.72	1.37 9.73	-0.18	1.49	OSF1.50	2050.00	2050.00		OSF>1.50		Exit Minor	r
	145.51 431.55	44.42 130.24	115.56 344.39		4.99 5.00	OSF1.50 OSF1.50	2990.00 8690.00	2989.74 8687.49	OSF>5.00 OSF<5.00			Exit Alert Enter Alert	
	431.54	175.16	314.44	256.38 255.77	3.71	OSF1.50	11730.00	11727.49				MinPt-CtCt	
	431.74 431.88	175.96 176.13	314.10 314.13	255.77 255.75	3.69 3.69	OSF1.50 OSF1.50	11830.00 11850.00	11827.49 11847.49				MINPT-O-EOU MinPt-O-ADP	
	432.77 564.84	176.65 170.20	314.67 451.04	256.12 394.64	3.69 5.00	OSF1.50 OSF1.50	11910.00 12730.00	11907.49 12576.72	OSF>5.00			MinPt-O-SF Exit Alert	
	623.11	187.70	497.65	435.41	5.00	OSF1.50	14840.00	12610.37	OSF<5.00			Enter Alert	t
	624.25	235.71	466.78	388.54	3.98	OSF1.50	17441.21	12590.00				MinPts	
Coterra Cascade 28 Federal 404	4H Rev0 kFc 2 20.13	5May23 (De 16.29	finitivePlan) 19.06	3.84	N/A	MAS = 4.96 (m)	0.00	0.00	CtCt<=15m<15.00			Enter Aleri	Fail Minor
	20.09	16.29	19.03	3.81	N/A	MAS = 4.96 (m)	23.00	23.00	GIGIN- 15IIIN 15.00			WRP	•
	20.09 20.09	20.19 27.11	6.30 1.69	-0.10 -7.02	1.49 1.10	OSF1.50 OSF1.50	1340.00 1800.00	1340.00 1800.00		OSF<1.50		Enter Minor MinPt-CtCt	
	20.23	27.55	1.53 1.55	-7.32	1.09 1.09	OSF1.50 OSF1.50	1830.00	1830.00				MinPts MinPt-O-ADP	
	20.35 30.68	27.70 30.71	9.88	-0.03	1.50	OSF1.50	1840.00 2050.00	1840.00 2050.00		OSF>1.50		Exit Minor	r
	135.33 695.56	41.58 176.03	107.29 577.87	93.76 519.53	4.96 5.95	OSF1.50 OSF1.50	2800.00 11840.00	2799.86 11837.49	OSF>5.00			Exit Alert MINPT-O-EOU	
	695.69	176.19	577.90	519.50	5.95 5.93	OSF1.50	11860.00	11857.49				MinPt-O-ADP	•
	698.10 699.15	177.31 177.58	579.57 580.44	520.79 521.57	5.93	OSF1.50 OSF1.50	12000.00 12100.00	11997.46 12096.44				MinPt-O-SF MinPt-O-SF	
	622.50 623.30	172.50 187.76	507.17 497.80	450.00 435.54	5.44 5.00	OSF1.50 OSF1.50	13380.00 14870.00	12621.80 12610.13	OSF<5.00			MinPt-CtCt Enter Alert	
	624.70	235.83	467.15	388.87	3.98	OSF1.50		12590.00				MinPts	
Coterra Cascade 28 Federal 412	2H Rev0 kFc 2	5May23 (De	finitivePlan)										Warning Alert
	39.90 39.90	32.13 32.13	38.84 38.84	7.77 7.77	N/A N/A	MAS = 9.79 (m) MAS = 9.79 (m)	0.00 23.00	0.00 23.00	CtCt<=15m<15.00			Enter Alert WRP	
	39.90	32.13	23.50	7.77	2.52	MAS = 9.79 (m)	1600.00	1600.00				MinPts	
	40.05 40.74	32.13 32.13	23.36 23.65	7.92 8.60	2.49 2.47	MAS = 9.79 (m) MAS = 9.79 (m)	1630.00 1670.00	1630.00 1670.00				MINPT-O-EOU MinPt-O-SF	
	105.17	32.63 179.34	83.09	72.55 794.26	4.94	OSF1.50	2220.00	2220.00	OSF>5.00			Exit Alert MINPT-O-EOU	t
	973.60 973.67	179.41	853.72 853.74	794.26	8.18 8.18	OSF1.50 OSF1.50	11970.00 11980.00	11967.49 11977.49				MinPt-O-ADP	
	974.24 1119.16	179.62 243.78	854.16 956.31	794.61 875.38	8.17 6.91	OSF1.50 OSF1.50	12020.00 17441.21	12017.39 12590.00				MinPt-O-SF MinPts	
30-025-47176 - GREEN DRAKE	E 21 FED CON 504.53	1 706H - IFR 32.81	502.67	471.73	Survey) N/A	MAS = 10.00 (m)	0.00	0.00				Surface	Warning Alert
	504.49 491.99	32.81 32.81	502.62 482.08		73112.75 60.90	MAS = 10.00 (m) MAS = 10.00 (m)	23.00 890.00	23.00 890.00				WRP MINPT-O-EOU	•
	252.39	76.99	200.51	175.40	4.99	OSF1.50	5140.00	5138.43	OSF<5.00			Enter Alert	t
	230.90 164.21	100.47 160.94	163.37 56.36	130.43 3.26	3.48 1.53	OSF1.50 OSF1.50	6740.00 10800.00	6737.49 10797.49				MinPt-CtCt MinPt-CtCt	
	164.40 164.76	161.51 161.94		2.89 2.82	1.53	OSF1.50 OSF1.50	10840.00	10837.49 10867.49				MINPT-O-EOU MinPts	
	182.99	169.56	69.40	13.43	1.62	OSF1.50	11390.00	11387.49				MinPts	
	187.03 187.51	175.30 175.88	69.65 69.74	11.73 11.63	1.60 1.60	OSF1.50 OSF1.50	11790.00 11830.00	11787.49 11827.49				MINPT-O-EOU MinPt-O-ADP	
	187.66 532.63	176.02 161.75	69.80 424.28	11.63 370.88	1.60 4.97	OSF1.50 OSF1.50	11840.00	11837.49 12423.50	OSF>5.00			MinPt-O-SF Exit Alert	
	5282.55	183.61	5159.63		43.51	OSF1.50		12590.00	J3F70.00			TD	

Offset Trajectory	;	Separation		Allow	Sep.	Controlling	Reference	Trajectory		Risk Level	Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)	Dev. (ft)	Fact.	Rule	MD (ft)	TVD (ft)	Alert	Minor Major		
30-025-47177 - GREEN DRAK	E 21 FED CON 496.04	1 727H - IFR1 32.81	to 20107ft 494.18	- A (DefinitiveS 463.24	Survey) N/A	MAS = 10.00 (m)	0.00	0.00			Surface	Warning Alert
	496.00 489.00	32.81 32.81	494.13 482.30	463.19 456.19	111565.92 100.73	MAS = 10.00 (m) MAS = 10.00 (m)	23.00 570.00	23.00 570.00			WRP MinPts	
	489.17 273.40	32.81 78.85	482.20 220.28	456.36 194.55	95.35 5.28	MAS = 10.00 (m) OSF1.50	600.00 5260.00	600.00 5258.36			MINPT-O-EOU MinPt-CtCl	
	273.08	83.10	217.13	189.98	5.00	OSF1.50	5550.00	5548.18	OSF<5.00		Enter Alert	
	184.23	137.83 147.04	95.38 85.65	49.99 37.20	2.05 1.88	OSF1.50 OSF1.50	9230.00 9850.00	9227.49 9847.49			MinPt-CtCt MinPt-CtCt	
	184.34 184.47	147.31 147.45	85.58 85.62	37.03 37.02	1.88 1.88	OSF1.50 OSF1.50	9870.00 9880.00	9867.49 9877.49			MINPT-O-EOU MinPts	
	192.75 193.18	154.36 157.90	89.29 87.36	38.39 35.28	1.88 1.84	OSF1.50 OSF1.50	10350.00 10590.00	10347.49 10587.49			MinPt-CtCl MinPt-CtCl	
	194.41 195.43	161.01 162.33	86.52 86.66	33.40 33.10	1.81 1.81	OSF1.50 OSF1.50	10800.00 10890.00	10797.49 10887.49			MINPT-O-EOU MinPt-O-ADP	
	195.59 181.30	162.48 178.81	86.72 61.58	33.11 2.48	1.81 1.52	OSF1.50 OSF1.50	10900.00 12020.00	10897.49 12017.39			MinPt-O-SF MinPt-CtCl	
	181.30 534.38	178.94 163.78	61.50 424.68	2.36 370.60	1.52 4.93	OSF1.50 OSF1.50	12030.00 12610.00	12027.34 12517.59	OSF>5.00		MinPts Exit Alert	
	5211.12	184.64	5087.52	5026.48	42.68	OSF1.50	17441.21	12590.00			TD	
30-025-47178 - GREEN DRAK	E 21 FED CON 488.77	1 708H - IFR1 32.81	to 19958ft 486.91	- A (DefinitiveS 455.96	Survey) N/A	MAS = 10.00 (m)	0.00	0.00			Surface	Warning Alert
	488.73	32.81	486.85	455.92	37744.07	MAS = 10.00 (m)	23.00	23.00			WRP	
	470.73 471.00	32.81 32.81	462.37 462.16	437.92 438.19	72.13 67.31	MAS = 10.00 (m) MAS = 10.00 (m)	730.00 780.00	730.00 780.00			MinPts MINPT-O-EOU	
	415.86 416.99	55.76 58.63	378.14 377.35	360.11 358.36	11.49 10.94	OSF1.50 OSF1.50	3670.00 3860.00	3669.33 3859.21			MinPt-CtCl MINPT-O-EOU	
	418.77 418.96	62.49 63.08	376.56 376.35	356.28 355.88	10.28 10.19	OSF1.50 OSF1.50	4110.00 4150.00	4109.06 4149.04			MinPt-CtCt MINPT-O-EOU	
	419.21 474.61	63.37 76.14	376.41 423.29	355.85 398.46	10.15 9.52	OSF1.50 OSF1.50	4170.00 5020.00	4169.02 5018.51			MinPt-O-ADP MinPt-O-SF	
	561.70 542.27	115.97 155.45	483.83 438.08	445.73 386.82	7.35 5.27	OSF1.50 OSF1.50	7700.00 10390.00	7697.49 10387.49			MinPt-CtCt MinPt-CtCt	
	542.60 543.08	156.48 157.06	437.73 437.82	386.12 386.02	5.24 5.23	OSF1.50 OSF1.50	10460.00 10500.00	10457.49 10497.49			MINPT-O-EOU MinPt-O-ADP	
	548.12 552.81	161.69 167.11	439.77 440.85	386.43 385.71	5.12 5.00	OSF1.50 OSF1.50	10810.00 11170.00	10807.49 11167.49	OSF<5.00		MinPt-O-ADP Enter Alert	
	539.44 539.57	176.40 176.83	421.33 421.17	363.04 362.74	4.61 4.60	OSF1.50 OSF1.50	11810.00 11840.00	11807.49 11837.49	00, 0.00		MinPt-CtCl MINPT-O-EOU	
	539.79	177.11	421.21	362.68	4.60	OSF1.50	11860.00	11857.49			MinPt-O-ADP	
	541.53 585.99	178.04 177.89	422.33 466.88	363.50 408.10	4.59 4.97	OSF1.50 OSF1.50	11930.00 12230.00	11927.49 12220.57	OSF>5.00		MinPt-O-SF Exit Alert	
	5256.45	184.52	5132.93	5071.93	43.07	OSF1.50	17441.21	12590.00			TD	
Cimarex Cascade 28 Federal 5	7H Rev0 RM 7I 531.27	Mar18 (NonDe 32.81	efinitivePlan) 529.41	498.46	N/A	MAS = 10.00 (m)	0.00	0.00			Surface	Pass
	531.27 531.27	32.81 32.81	529.40 522.47	498.46 498.46	68075.43 76.29	MAS = 10.00 (m) MAS = 10.00 (m)	23.00 890.00	23.00 890.00			WRP MINPT-O-EOU	
	531.27 531.35	32.81 32.81	517.65 517.50	498.46 498.54	44.29 43.48	MAS = 10.00 (m) MAS = 10.00 (m)	1490.00 1520.00	1490.00 1520.00			MinPts MINPT-O-EOU	
	595.76 710.52	32.81 135.86	574.07 619.39	562.95	29.70 7.92	MAS = 10.00 (m) OSF1.50	2599.95 11390.00	2599.93 11387.49			MinPt-O-SF MinPts	
	710.52 710.55	141.49 141.70	615.68 615.57	569.02 568.85	7.60 7.59	OSF1.50 OSF1.50	11860.00 11880.00	11857.49 11877.49			MinPt-CtCt MINPT-O-EOU	
	710.75	141.95	615.59	568.80	7.58	OSF1.50	11900.00	11897.49			MinPts	
	712.13 831.10	142.74 144.60	616.28 732.10	569.39 686.51	7.57 9.03	OSF1.50 OSF1.50	11952.01 13030.00	11949.50 12624.55			MinPt-O-SF MinPt-O-SF	
	843.66 844.03	170.41 205.18	727.77 705.01	673.25 638.85	7.67 6.33	OSF1.50 OSF1.50	15530.00 17230.00	12604.97 12591.65			MinPt-CtCt MinPts	
	845.97 875.15	206.25 208.31	706.12 733.47	639.72 666.84	6.32 6.50	OSF1.50 OSF1.50	17270.00 17441.21	12591.34 12590.00			MinPt-O-SF TD	
30-025-46314 - CASCADE 28	FEDERAL 86H	- MWD to 17	120ft - A (D	efinitiveSurvey)							Pass
	703.37 703.34	32.81 32.81	701.50 701.47	670.56 670.53	N/A 130357.61	MAS = 10.00 (m) MAS = 10.00 (m)	0.00 23.00	0.00 23.00			Surface WRP	
	684.38 684.58	32.81 32.81	670.94	651.57 651.77	58.00 56.29	MAS = 10.00 (m) MAS = 10.00 (m)	1270.00 1310.00	1270.00 1310.00			MinPts MINPT-O-EOU	
	701.34 701.52	36.56 37.88	676.41 675.72	664.78 663.65	30.08 28.99	OSF1.50 OSF1.50	2440.00 2530.00	2440.00 2530.00			MinPt-CtCl MINPT-O-EOU	
	701.78 1428.33	38.17	675.78	663.61	28.77	OSF1.50	2550.00	2550.00			MinPt-O-ADP	
	1429.77	140.13 144.33	1334.35 1333.00	1288.19 1285.45	15.45 15.02	OSF1.50 OSF1.50	9350.00 9640.00	9347.49 9637.49			MinPt-CtCl MINPT-O-EOU	
	1430.49 1258.49	145.18 205.56	1333.15 1120.94	1285.31 1052.93	14.93 9.24	OSF1.50 OSF1.50	9700.00 14300.00	9697.49 12614.60			MinPt-O-ADP MinPt-CtCt	
	1258.70 1259.03	206.13 206.51	1120.77 1120.85	1052.57 1052.53	9.22 9.20	OSF1.50 OSF1.50	14330.00 14350.00	12614.36 12614.21			MINPT-O-EOU MinPt-O-ADP	
	1277.19 1278.13	215.15 218.63	1133.25 1131.86	1062.04 1059.49	8.96 8.82	OSF1.50 OSF1.50	14660.00 14790.00	12611.78 12610.76			MinPt-CtCl MINPT-O-EOU	
	1279.20 1271.69	219.95 242.75	1132.06 1109.35	1059.26 1028.94	8.77 7.90	OSF1.50 OSF1.50	14840.00 15520.00	12610.37 12605.04			MinPt-O-ADP MinPt-CtC1	
	1272.19 1272.87	244.48 245.34	1108.69 1108.80	1027.71 1027.53	7.85 7.82	OSF1.50 OSF1.50	15580.00 15610.00	12604.57 12604.34			MINPT-O-EOU MinPt-O-ADP	
	1278.31	273.39 294.80	1095.53 1066.04	1004.91 968.28	7.04 6.45	OSF1.50 OSF1.50	16330.00 16850.00	12598.70 12594.63			MinPt-CtCt MinPt-CtCt	
	1267.92	305.19 313.08	1063.95 1064.71	962.73 960.86	6.26 6.13	OSF1.50 OSF1.50	17110.00 17300.00	12592.59 12591.11			MINPT-O-EOU MinPt-O-ADP	
	1273.94 1280.69	318.72	1064.71	961.97	6.05	OSF1.50	17441.21	12590.00			MinPt-O-SF	
30-025-46313 - CASCADE 28												Pass
	722.85 722.81	32.81 32.81	720.99 720.95	690.04 690.00	N/A 3777969.23	MAS = 10.00 (m) MAS = 10.00 (m)	0.00 23.00	0.00 23.00			Surface WRP	
	722.75 720.82	32.81 32.81	719.47 710.92	689.95 688.01	505.87 89.45	MAS = 10.00 (m) MAS = 10.00 (m)	230.00 890.00	230.00 890.00			MinPts MINPT-O-EOU	
	719.00 719.26	32.81 32.81	706.63 706.33	686.20 686.45	66.99 63.69	MAS = 10.00 (m) MAS = 10.00 (m)	1160.00 1220.00	1160.00 1220.00			MinPts MINPT-O-EOU	
	859.73 1161.70	49.44 75.42	826.22 1110.87	810.29 1086.28	26.94 23.59	OSF1.50 OSF1.50	3410.00 5120.00	3409.49 5118.45			MinPt-O-SF MinPt-O-SF	
	1180.19 1427.16	76.59 94.73	1128.57 1363.45	1103.59 1332.42	23.59	OSF1.50 OSF1.50	5220.00 6440.00	5218.39 6437.64			MinPt-O-SF MinPt-O-SF	
	1484.39	99.25	1417.67	1385.14	22.79	OSF1.50	6730.00	6727.49			MinPt-O-SF	
	1837.33 1839.86	160.76 171.21	1729.60 1725.17	1676.57 1668.65	17.31 16.26	OSF1.50 OSF1.50	10680.00 11390.00	10677.49 11387.49			MinPt-CtCl MinPts	
	1840.75 1842.27	173.24 176.06	1724.75 1724.39	1667.51 1666.21	16.07 15.82	OSF1.50 OSF1.50	11540.00 11730.00	11537.49 11727.49			MINPT-O-EOU MINPT-O-EOU	
	1842.95 1706.76	176.90 189.22	1724.50 1580.11	1666.04 1517.55	15.75 13.63	OSF1.50 OSF1.50	11790.00 13550.00	11787.49 12620.47			MinPt-O-ADP MinPt-CtCl	
	1707.07 1707.57	190.05 190.64	1579.86 1579.97	1517.02 1516.94	13.57 13.53	OSF1.50 OSF1.50	13610.00 13650.00	12620.00 12619.69			MINPT-O-EOU MinPt-O-ADP	
	1712.28 1712.92	222.67 224.54	1563.32 1562.71	1489.61 1488.38	11.60 11.51	OSF1.50 OSF1.50	14960.00 15030.00	12609.43 12608.88			MinPt-CtCt MINPT-O-EOU	
	1713.79 1709.81	225.60 252.24	1562.87 1541.14	1488.18 1457.57	11.46 10.22	OSF1.50 OSF1.50	15070.00 15820.00	12608.57 12602.69			MinPt-O-ADP MinPt-CtCl	
	1713.42	259.96	1539.60	1453.46	9.94	OSF1.50	16040.00	12602.69 12600.97 12596.04			MINPT-O-EOU MinPt-CtCl	
	1720.97 1718.00	285.80 314.64	1529.92 1507.73	1435.17 1403.36	9.07 8.22	OSF1.50 OSF1.50	16670.00 17350.00	12590.71			MinPt-CtCt	
	1717.98	318.69	1505.00	1399.28	8.12	OSF1.50	17441.21	12590.00			MinPts	
Cimarex Cascade 28 Federal #	1851.78	32.81	1849.91	1818.97	N/A	MAS = 10.00 (m)	0.00	0.00			Surface	Pass
	1851.74	32.81	1849.85		77810.79	MAS = 10.00 (m)	23.00	23.00			WRP	

Offset Trajectory	ffset Trajectory Separation			Allow	Sep.	Controlling	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)	Dev. (ft)	Fact.	Rule	MD (ft)	TVD (ft)	Alert	Minor	Major		
•	1851.74	32.81	1842.94	1818.93	267.01	MAS = 10.00 (m)	890.00	890.00				MINPT-O-EOU	
	1468.54	97.07	1403.27	1371.47	23.06	OSF1.50	8250.00	8247.49				MinPts	
	1091.06	114.30	1013.96	976.77	14.63	OSF1.50	9250.00	9247.49				MinPt-CtCt	
	1091.21	114.70	1013.78	976.51	14.60	OSF1.50	9270.00	9267.49				MinPts	
	1093.15	115.58	1014.96	977.57	14.57	OSF1.50	9320.00	9317.49				MinPt-O-SF	
	3489.87	104.42	3415.99	3385.45	56.92	OSF1.50	13020.00	12624.63				MinPt-CtCt	
	3489.91	104.53	3415.96	3385.38	56.86	OSF1.50	13040.00	12624.47				MinPts	
	3452.92	200.51	3314.97	3252.41	27.50	OSF1.50	17230.00	12591.65				MinPt-CtCt	
	3453.04	200.91	3314.80	3252.13	27.45	OSF1.50	17260.00	12591.42				MINPT-O-EOU	
	3453.26 3459.28	201.18 203.27	3314.83 3319.37	3252.08 3256.01	27.41	OSF1.50 OSF1.50	17280.00 17441.21	12591.26 12590.00				MinPt-O-ADP MinPt-O-SF	
	3459.28	203.27	3319.37	3256.01	27.19	USF1.50	1/441.21	12590.00				MINPT-U-SF	
Cimarex Red Hills Unit 36H Con	rected MWD t	o 22502ft (De	finitiveSurvey	()									Pass
	6124.59	32.81	6123.53		#########	MAS = 10.00 (m)	0.00	0.00				Surface	
	6124.57	32.81	6123.45		111875.13	MAS = 10.00 (m)	23.00	23.00				WRP	
	6006.88	40.35	5979.65	5966.53	228.86	OSF1.50	2599.95	2599.93				MinPt-O-SF	
	5622.83	143.08	5527.12	5479.75	59.34	OSF1.50	9600.00	9597.49				MinPt-CtCt	
	5624.58	146.87	5526.34	5477.71	57.82	OSF1.50	9890.00	9887.49				MINPT-O-EOU	
	5626.23	149.56	5526.19	5476.67	56.79	OSF1.50	10080.00	10077.49				MINPT-O-EOU	
	5628.60	152.62	5526.53	5475.98	55.67	OSF1.50	10310.00	10307.49				MinPt-O-ADP	
	5629.32	155.53	5525.31	5473.80	54.63	OSF1.50	10480.00	10477.49				MinPt-CtCt	
	5629.94 5630.65	157.33 158.17	5524.73 5524.88	5472.61 5472.49	54.01 53.72	OSF1.50 OSF1.50	10630.00 10700.00	10627.49 10697.49				MINPT-O-EOU MinPt-O-ADP	
	5632.42	171.17	5517.98	5461.25	49.63	OSF 1.50	11580.00	11577.49				MinPt-CtCt	
	5632.42	171.17	5517.96 5517.49	5460.26	49.03	OSF 1.50	11710.00	11707.49				MINPT-O-EOU	
	5633.76	174.05	5517.49	5459.71	48.82	OSF1.50	11810.00	11807.49				MINPT-O-EOU	
	5634.47	174.89	5517.55	5459.59	48.59	OSF1.50	11880.00	11877.49				MinPt-O-ADP	
	1242.69	198.02	1110.35	1044.67	9.45	OSF1.50	17441.21	12590.00				MinPts	
		-											
30-025-35598 - RED HILLS SW													Pass
	5064.51	32.81	5062.64	5031.70	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	5064.50	32.81	5062.59	5031.69	107080.82	MAS = 10.00 (m)	23.00	23.00				WRP	
	5064.50	132.46	4975.64	4932.04	58.06	OSF1.50	2500.00	2500.00				MinPt-CtCt	
	5113.65	464.07	4803.72	4649.58	16.58	OSF1.50	6510.00	6507.60				MinPts	
	5113.80 6608.29	464.08	4803.85 6452.40	4649.71 6375.23	16.58 42.80	OSF1.50	6520.00	6517.59 12594.16				MinPt-O-SF MinPt-CtCt	
		233.06 233.85	6452.40 6452.17			OSF1.50	16910.00					MINPT-O-EOU	
	6608.58 6608.93	233.85	6452.17	6374.73 6374.67	42.66 42.59	OSF1.50 OSF1.50	16970.00 17000.00	12593.69 12593.45				MINPT-O-EOU MinPt-O-ADP	
	6629.78	234.27	6467.76	6387.52	42.59 41.30	OSF1.50 OSF1.50	17000.00	12593.45				MinPt-O-ADP MinPt-O-SF	
	0029.70	242.20	0401.70	0301.52	41.30	OGF 1.50	17441.21	12080.00				WIII IF t-U-SF	

Form 3160-3 FORM APPROVED OMB No. 1004-0137 (June 2015) Expires: January 31, 2018 **UNITED STATES** DEPARTMENT OF THE INTERIOR 5. Lease Serial No. BUREAU OF LAND MANAGEMENT APPLICATION FOR PERMIT TO DRILL OR REENTER 6. If Indian, Allotee or Tribe Name 7. If Unit or CA Agreement, Name and No. DRILL REENTER 1a. Type of work: 1b. Type of Well: Oil Well Gas Well Other 8. Lease Name and Well No. 1c. Type of Completion: Hydraulic Fracturing Single Zone Multiple Zone 2. Name of Operator 9. API Well No. 3a. Address 3b. Phone No. (include area code) 10. Field and Pool, or Exploratory 4. Location of Well (Report location clearly and in accordance with any State requirements.*) 11. Sec., T. R. M. or Blk. and Survey or Area At surface At proposed prod. zone 14. Distance in miles and direction from nearest town or post office* 12. County or Parish 13. State 15. Distance from proposed* 16. No of acres in lease 17. Spacing Unit dedicated to this well location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 18. Distance from proposed location* 19. Proposed Depth 20. BLM/BIA Bond No. in file to nearest well, drilling, completed, applied for, on this lease, ft. 21. Elevations (Show whether DF, KDB, RT, GL, etc.) 22. Approximate date work will start* 23. Estimated duration 24. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable) 1. Well plat certified by a registered surveyor. 4. Bond to cover the operations unless covered by an existing bond on file (see 2. A Drilling Plan. Item 20 above). 3. A Surface Use Plan (if the location is on National Forest System Lands, the 5. Operator certification. SUPO must be filed with the appropriate Forest Service Office). 6. Such other site specific information and/or plans as may be requested by the 25. Signature Name (Printed/Typed) Date Title Approved by (Signature) Name (Printed/Typed) Date Title Office Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Conditions of approval, if any, are attached. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction



(Continued on page 2)

*(Instructions on page 2)

INSTRUCTIONS

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

ITEM I: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the wen, and any other required information, should be furnished when required by Federal agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionany drilled, give distances for subsurface location of hole in any present or objective productive zone.

ITEM 22: Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

ITEM 24: If the proposal will involve hydraulic fracturing operations, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

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

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

PRINCIPAL PURPOSES: The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service wen or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

ROUTINE USE: Information from the record and/or the record win be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

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

The BLM conects this information to anow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications. Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease. The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

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

Additional Operator Remarks

Location of Well

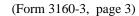
0. SHL: NWNE / 210 FNL / 2059 FEL / TWSP: 25S / RANGE: 33E / SECTION: 28 / LAT: 32.10822 / LONG: -103.57544 (TVD: 0 feet, MD: 0 feet) PPP: NWNE / 100 FNL / 2021 FEL / TWSP: 25S / RANGE: 33E / SECTION: 28 / LAT: 32.108522 / LONG: -103.575318 (TVD: 11685 feet, MD: 11720 feet) BHL: SESW / 100 FSL / 2021 FEL / TWSP: 25S / RANGE: 33E / SECTION: 28 / LAT: 32.094564 / LONG: -103.575281 (TVD: 12320 feet, MD: 17197 feet)

BLM Point of Contact

Name: JORDAN NAVARRETTE

Title: LIE

Phone: (575) 234-5972 Email: jnavarrette@blm.gov



Review and Appeal Rights

A person contesting a decision shall request a State Director review. This request must be filed within 20 working days of receipt of the Notice with the appropriate State Director (see 43 CFR 3165.3). The State Director review decision may be appealed to the Interior Board of Land Appeals, 801 North Quincy Street, Suite 300, Arlington, VA 22203 (see 43 CFR 3165.4). Contact the above listed Bureau of Land Management office for further information.



PECOS DISTRICT SURFACE USE CONDITIONS OF APPROVAL

OPERATOR'S NAME: | Coterra Energy Inc.

LEASE NO.: NMNM26394

COUNTY: Lea County, New Mexico

Wells:

Cascade 28 Federal 403H

Surface Hole Location: 210' FNL & 2079' FEL, Section 28, T. 25 S, R. 33 E. Bottom Hole Location: 100' FSL & 2584' FEL, Section 28, T. 25 S, R. 33 E.

Cascade 28 Federal 404H

Surface Hole Location: 210' FNL & 2039' FEL, Section 28, T. 25 S, R. 33 E. Bottom Hole Location: 100' FSL & 1457' FEL, Section 28, T. 25 S, R. 33 E.

Cascade 28 Federal 412H

Surface Hole Location: 210' FNL & 2099' FEL, Section 28, T. 25 S, R. 33 E. Bottom Hole Location: 100' FSL & 2132' FEL, Section 28, T. 25 S, R. 33 E.

Cascade 28 Federal 413H

Surface Hole Location: 210' FNL & 2059' FEL, Section 28, T. 25 S, R. 33 E. Bottom Hole Location: 100' FSL & 2021' FEL, Section 28, T. 25 S, R. 33 E.

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1. GENERAL PROVISIONS

The failure of the operator to comply with these requirements may result in the assessment of liquidated damages or penalties pursuant to 43 CFR 3163.1 or 3163.2. A copy of these conditions of approval shall be present on the location during construction, drilling and reclamation activity. Any request for a variance shall be submitted to the Authorized Officer on Form 3160-5, Sundry Notices and Report on Wells.

1.1. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

Any cultural resource (historic or prehistoric site or object) discovered by the operator, or any person working on the operator's behalf, on the public or federal land shall be immediately reported to the Authorized Officer. The operator shall suspend all operations in the immediate area (within 100ft) of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery will be made by the Authorized Officer, in conjunction with a BLM Cultural Resource Specialist, to determine appropriate actions to prevent the loss of significant scientific values. The operator shall be responsible for the cost of evaluation and any decision as to the proper mitigation measures will be made by the Authorized Officer after consulting with the operator.

Traditional Cultural Properties (TCPs) are protected by NHPA as codified in 36 CFR 800 for possessing traditional, religious, and cultural significance tied to a certain group of individuals. Though there are currently no designated TCPs within the project area or within a mile of the project area, but it is possible for a TCP to be designated after the approval of this project. If a TCP is designated in the project area after the project's approval, the BLM Authorized Officer will notify the operator of the following conditions and the duration for which these conditions are required.

- 1. Temporary halting of all construction, drilling, and production activities to lower noise.
- 2. Temporary shut-off of all artificial lights at night.

The operator is hereby obligated to comply with procedures established in the Native American Graves Protection and Repatriation Act (NAGPRA), specifically NAGPRA Subpart B regarding discoveries, to protect human remains, associated funerary objects, sacred objects, and objects of cultural patrimony discovered during project work. If any human skeletal remains, funerary objects, sacred objects, or objects of cultural patrimony are discovered at any time during construction, all construction activities shall halt and a BLM-CFO Authorized Officer will be notified immediately. The BLM will then be required to be notified, in writing, within 24 hours of the discovery. The written notification should include the geographic location by county and state, the contents of the discovery, and the steps taken to protect said discovery. You must also include any potential threats to the discovery and a conformation that all activity within 100ft of the discovery has ceased and work will not resume until written certification is issued. All work on the entire project must halt for a minimum of 3 days and work cannot resume until an Authorized Officer grants permission to do so.

Any paleontological resource discovered by the operator, or any person working on the operator's behalf, on public or Federal land shall be immediately reported to the Authorized Officer. The operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. The operator will be responsible for the cost of evaluation and any decision as to the proper mitigation measures will be made by the Authorized Officer after consulting with the operator.

1.2. RANGELAND RESOURCES

1.2.1. Cattleguards

Where a permanent cattleguard is approved, an appropriately sized cattleguard(s) sufficient to carry out the project shall be installed and maintained at fence crossing(s). Any existing cattleguard(s) on the access road shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattleguard(s) that are in place and are utilized during lease operations. A gate shall be constructed on one side of the cattleguard and fastened securely to H-braces.

1.2.2. Fence Requirement

Where entry granted across a fence line, the fence must be braced and tied off on both sides of the passageway prior to cutting. Once the work is completed, the fence will be restored to its prior condition, or better. The operator shall notify the private surface landowner or the grazing allotment holder prior to crossing any fence(s).

1.2.3. Livestock Watering Requirement

Any damage to structures that provide water to livestock throughout the life of the well, caused by operations from the well site, must be immediately corrected by the operator. The operator must notify the BLM office (575-234-5972) and the private surface landowner or the grazing allotment holder if any damage occurs to structures that provide water to livestock.

1.3. NOXIOUS WEEDS

The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA, New Mexico Department of Agriculture, and BLM requirements and policies.

1.3.1 African Rue (Peganum harmala)

Spraying: The spraying of African Rue must be completed by a licensed or certified applicator. In order to attempt to kill or remove African Rue the proper mix of chemical is needed. The mix consists of 2% Arsenal (Imazapyr) and 2% Roundup (Glyphosate) along with a nonionic surfactant. Any other chemicals or combinations shall be approved by the BLM Noxious Weeds Coordinator prior to treatment. African Rue shall be sprayed in connection to any dirt working activities or disturbances to the site being sprayed. Spraying of African Rue shall be done on immature plants at initial growth through flowering and mature plants between budding and flowering stages. Spraying shall not be conducted after flowering when plant is fruiting. This will ensure optimal intake of chemical and decrease chances of developing herbicide resistance. After spraying, the operator or necessary parties must contact the Carlsbad Field Office to inspect the effectiveness of the application treatment to the plant species. No ground disturbing activities can take place until the inspection by the authorized officer is complete. The operator may contact the Environmental Protection Department or the BLM Noxious Weed Coordinator at (575) 234-5972 or BLM NM CFO NoxiousWeeds@blm.gov.

Management Practices: In addition to spraying for African Rue, good management practices should be followed. All equipment should be washed off using a power washer in a designated containment area. The containment area shall be bermed to allow for containment of the seed to prevent it from entering any open areas of the nearby landscape. The containment area shall be excavated near or adjacent to the well pad at a depth of three feet and just large enough to get equipment inside it to be washed off. This will allow all seeds to be in a centrally located area that can be treated at a later date if the need arises.

1.4. LIGHT POLLUTION

1.4.1. Downfacing

All permanent lighting will be pointed straight down at the ground in order to prevent light spill beyond the edge of approved surface disturbance.

1.4.2. Shielding

All permanent lighting will use full cutoff luminaires, which are fully shielded (i.e., not emitting direct or indirect light above an imaginary horizontal plane passing through the lowest part of the light source).

1.4.3. Lighting Color

Lighting shall be 3,500 Kelvin or less (Warm White) except during drilling, completion, and workover operations. No bluish-white lighting shall be used in permanent outdoor lighting.

2. SPECIAL REQUIREMENTS.

2.1 Lesser Prairie Chicken Timing Stipulations

Timing Limitation Stipulation/Condition of Approval for Lesser Prairie-Chicken:

Oil and gas activities including 3-D geophysical exploration, and drilling will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Additionally, no new drilling will be allowed within up to 200 meters of leks known at the time of permitting. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.

Timing Limitation Exceptions:

The Carlsbad Field Office will publish an annual map of where the LPC timing and noise stipulations and conditions of approval (Limitations) will apply for the identified year (between March 1 and June 15) based on the latest survey information. The LPC Timing Area map will identify areas which are Habitat Areas (HA), Isolated Population Area (IPA), and Primary Population Area (PPA). The LPC Timing Area map will also have an area in red crosshatch. The red crosshatch area is the only area where an operator is required to submit a request for exception to the LPC Limitations. If an operator is operating outside the red crosshatch area, the LPC Limitations do not apply for that year and an exception to LPC Limitations is not required.

2.2 VISUAL RESOURCE MANAGEMENT

2.5.1 VRM IV

Above-ground structures including meter housing that are not subject to safety requirements are painted a flat non-reflective paint color, Shale Green from the BLM Standard Environmental Color Chart (CC-001: June 2008).

3. CONSTRUCTION REQUIRENMENTS

3.1 CONSTRCUTION NOTIFICATION

The BLM shall administer compliance and monitor construction of the access road and well pad. Notify the Carlsbad Field Office at BLM_NM_CFO_Construction_Reclamation@blm.gov at least 3 working days prior to commencing construction of the access road and/or well pad.

When construction operations are being conducted on this well, the operator shall have the approved APD and COAs on the well site and they shall be made available upon request by the Authorized Officer.

3.2 TOPSOIL

The operator shall strip the topsoil (the A horizon) from the entire well pad area and stockpile the topsoil along the edge of the well pad as depicted in the APD. No more than the top 6 inches of topsoil shall be removed. All the stockpiled topsoil will be redistributed over the interim reclamation areas. Topsoil shall not be used for berming the pad or facilities. For final reclamation, the topsoil shall be spread over the entire pad area for seeding preparation.

Page 6 of 18

Other subsoil (the B horizon and below) stockpiles must be completely segregated from the topsoil stockpile. Large rocks or subsoil clods (not evident in the surrounding terrain) must be buried within the approved area for interim and final reclamation.

3.3 CLOSED LOOP SYSTEM

Tanks are required for drilling operations: No reserve pits will be used for drill cuttings. The operator shall properly dispose of drilling contents at an authorized disposal site.

3.4 FEDERAL MINERAL PIT

Payment shall be made to the BLM prior to removal of any federal mineral materials. Call the Carlsbad Field Office at (575) 234-5972.

3.5 WELL PAD & SURFACING

Any surfacing material used to surface the well pad will be removed at the time of interim and final reclamation.

3.6 EXCLOSURE FENCING (CELLARS & PITS)

The operator will install and maintain exclosure fencing for all open well cellars to prevent access to public, livestock, and large forms of wildlife before and after drilling operations until the well cellar is free of fluids and the operator initiates backfilling. (For examples of exclosure fencing design, refer to BLM's Oil and Gas Gold Book, Exclosure Fence Illustrations, Figure 1, Page 18.)

The operator will also install and maintain mesh netting for all open well cellars to prevent access to smaller wildlife before and after drilling operations until the well cellar is free of fluids and the operator. Use a maximum netting mesh size of 1 ½ inches. The netting must not have holes or gaps.

3.7 ON LEASE ACESS ROAD

3.7.1 Road Width

The access road shall have a driving surface that creates the smallest possible surface disturbance and does not exceed fourteen (14) feet in width. The maximum width of surface disturbance, when constructing the access road, shall not exceed twenty-five (25) feet.

3.7.2 **Surfacing**

Surfacing material is not required on the new access road driving surface. If the operator elects to surface the new access road or pad, the surfacing material may be required to be removed at the time of reclamation.

Where possible, no improvements will be made on the unsurfaced access road other than to remove vegetation as necessary, road irregularities, safety issues, or to fill low areas that may sustain standing water.

The Authorized Officer reserves the right to require surfacing of any portion of the access road at any time deemed necessary. Surfacing may be required in the event the road deteriorates, erodes, road traffic increases, or it is determined to be beneficial for future field development. The surfacing depth and type of material will be determined at the time of notification.

3.7.3 **Crowning**

Crowning shall be done on the access road driving surface. The road crown shall have a grade of approximately 2% (i.e., a 1" crown on a 14' wide road). The road shall conform to Figure 1; cross section and plans for typical road construction.

3.7.4 **Ditching**

Ditching shall be required on both sides of the road.

3.7.5 Turnouts

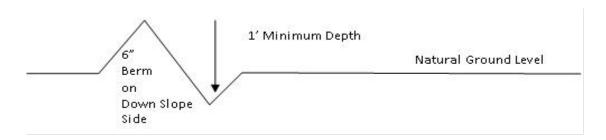
Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall conform to Figure 1; cross section and plans for typical road construction.

3.7.6 **Drainage**

Drainage control systems shall be constructed on the entire length of road (e.g. ditches, sidehill outsloping and insloping, leadoff ditches, culvert installation, and low water crossings).

A typical lead-off ditch has a minimum depth of 1 foot below and a berm of 6 inches above natural ground level. The berm shall be on the down-slope side of the lead-off ditch.

Cross Section of a Typical Lead-off Ditch



All lead-off ditches shall be graded to drain water with a 1 percent minimum to 3 percent maximum ditch slope. The spacing interval are variable for lead-off ditches and shall be determined according to the formula for spacing intervals of lead-off ditches, but may be amended depending upon existing soil types and centerline road slope (in %);

Formula for Spacing Interval of Lead-off Ditches

Example - On a 4% road slope that is 400 feet long, the water flow shall drain water into a lead-off ditch. Spacing interval shall be determined by the following formula:

3.7.7 **Public Access**

Public access on this road shall not be restricted by the operator without specific written approval granted by the Authorized Officer.

Construction Steps

- Salvage topsoil
- 3. Redistribute topsoil
- 2. Construct road
- 4. Revegetate slopes

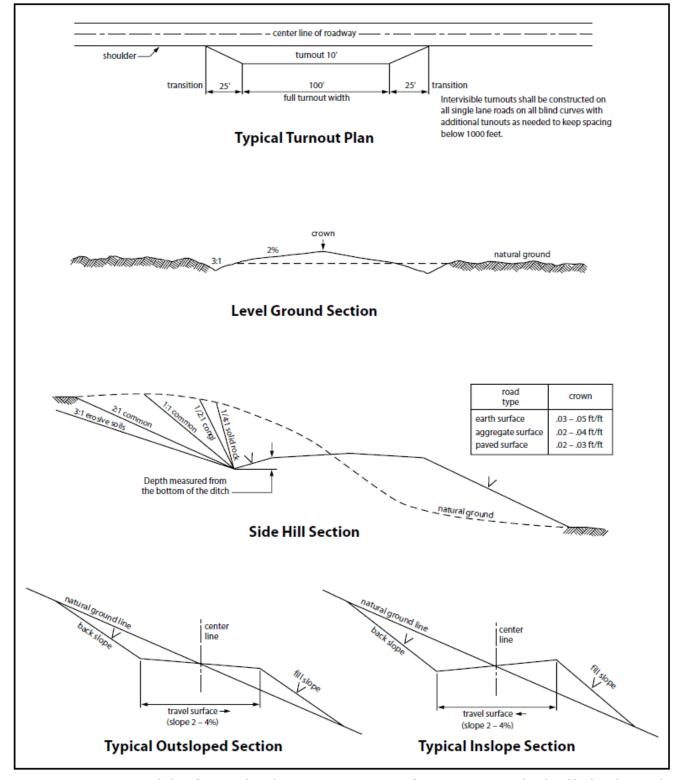


Figure 1. Cross-sections and plans for typical road sections representative of BLM resource or FS local and higher-class roads.

4. PIPELINES

- The BLM, Carlsbad Field Office, will be informed immediately if any subsurface drainage channels, passages, or voids are intersected by trenching, and no pipe will be laid in the trench at that point until clearance has been issued by the Authorized Officer.
- A leak detection plan <u>will be submitted to the BLM Carlsbad Field Office for approval</u> prior to pipeline installation. The method could incorporate gauges to detect pressure drops, situating values and lines so they can be visually inspected periodically or installing electronic sensors to alarm when a leak is present. The leak detection plan will incorporate an automatic shut off system that will be installed for proposed pipelines to minimize the effects of an undesirable event.
- Regular monitoring is required to quickly identify leaks for their immediate and proper treatment.
- All spills or leaks will be reported to the BLM immediately for their immediate and proper treatment.

4.1 BURIED PIPELINES

A copy of the application (APD, or Sundry Notice) and attachments, including conditions of approval, survey plat and/or map, will be on location during construction. BLM personnel may request a copy of your permit during construction to ensure compliance with all stipulations.

Operator agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

- 1. The Operator shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this APD.
- 2. The Operator shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the operator shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the pipeline corridor or on facilities authorized under this APD. (See 40 CFR Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.
- 3. The operator agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, et seq. or the Resource Conservation and Recovery Act, 42 U.S.C.6901, et seq.) on the Pipeline corridor (unless the release or threatened release is wholly unrelated to the operator's activity on the pipeline corridor), or resulting from the activity of the Operator on the pipeline corridor. This agreement applies without regard to whether a release is caused by the operator, its agent, or unrelated third parties.
- 4. If, during any phase of the construction, operation, maintenance, or termination of the pipeline, any oil or other pollutant is discharged from the pipeline system, impacting Federal lands, the control and total removal, disposal, and cleaning up of such oil or other pollutant, wherever found, shall be the responsibility of operator, regardless of fault. Upon failure of operator to control, dispose of, or clean up such discharge on or affecting Federal lands, or to repair all damages resulting therefrom, on the Federal lands, the Authorized Officer may take such measures as he deems necessary to control and clean up the discharge and restore the area, including where appropriate, the aquatic environment and

- fish and wildlife habitats, at the full expense of the operator. Such action by the Authorized Officer shall not relieve operator of any responsibility as provided herein.
- 5. All construction and maintenance activity will be confined to the authorized pipeline corridor.
- 6. The pipeline will be buried with a minimum cover of 36 inches between the top of the pipe and ground level.
- 7. The maximum allowable disturbance for construction in this pipeline corridor will be 30 feet:
 - Blading of vegetation within the pipeline corridor will be allowed: maximum width of blading operations will not exceed <u>20</u> feet. The trench is included in this area. (*Blading is defined as the complete removal of brush and ground vegetation*.)
 - Clearing of brush species within the pipeline corridor will be allowed: maximum width of clearing operations will not exceed 30 feet. The trench and bladed area are included in this area. (Clearing is defined as the removal of brush while leaving ground vegetation (grasses, weeds, etc.) intact. Clearing is best accomplished by holding the blade 4 to 6 inches above the ground surface.)
 - The remaining area of the pipeline corridor (if any) shall only be disturbed by compressing the vegetation. (Compressing can be caused by vehicle tires, placement of equipment, etc.)
- 8. The operator shall stockpile an adequate amount of topsoil where blading is allowed. The topsoil to be stripped is approximately ___6__ inches in depth. The topsoil will be segregated from other spoil piles from trench construction. The topsoil will be evenly distributed over the bladed area for the preparation of seeding.
- 9. Vegetation, soil, and rocks left as a result of construction or maintenance activity will be randomly scattered on this pipeline corridor and will not be left in rows, piles, or berms, unless otherwise approved by the Authorized Officer. The entire pipeline corridor shall be recontoured to match the surrounding landscape. The backfilled soil shall be compacted, and a 6-inch berm will be left over the ditch line to allow for settling back to grade.
- 10. The pipeline will be identified by signs at the point of origin and completion of the pipeline corridor and at all road crossings. At a minimum, signs will state the operator's name, BLM serial number, and the product being transported. All signs and information thereon will be posted in a permanent, conspicuous manner, and will be maintained in a legible condition for the life of the pipeline.
- 11. The operator shall not use the pipeline route as a road for purposes other than routine maintenance as determined necessary by the Authorized Officer in consultation with the operator before maintenance begins. The operator will take whatever steps are necessary to ensure that the pipeline route is not used as a roadway. As determined necessary during the life of the pipeline, the Authorized Officer may ask the operator to construct temporary deterrence structures.
- 12. The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes associated roads, pipeline corridor and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.
- 13. <u>Escape Ramps</u> The operator will construct and maintain pipeline/utility trenches [that are not otherwise fenced, screened, or netted] to prevent livestock, wildlife, and humans from becoming entrapped. At a minimum, the operator will construct and maintain escape ramps, ladders, or other methods of avian and terrestrial wildlife escape in the trenches according to the following criteria:

- a. Any trench left open for eight (8) hours or less is not required to have escape ramps; however, before the trench is backfilled, the contractor/operator shall inspect the trench for wildlife, remove all trapped wildlife, and release them alive at least 100 yards from the trench.
- b. For trenches left open for eight (8) hours or more, earthen escape ramps (built at no more than a 30-degree slope and spaced no more than 500 feet apart) shall be placed in the trench. Before the trench is backfilled, the contractor/operator shall inspect the trench for wildlife, remove all trapped wildlife, and release them alive at least 100 yards from the trench.

Timing Limitation Stipulation/Condition of Approval for Lesser Prairie-Chicken:

Oil and gas activities including 3-D geophysical exploration, and drilling will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Additionally, no new drilling will be allowed within up to 200 meters of leks known at the time of permitting. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.

Timing Limitation Exceptions:

The Carlsbad Field Office will publish an annual map of where the LPC timing and noise stipulations and conditions of approval (Limitations) will apply for the identified year (between March 1 and June 15) based on the latest survey information. The LPC Timing Area map will identify areas which are Habitat Areas (HA), Isolated Population Area (IPA), and Primary Population Area (PPA). The LPC Timing Area map will also have an area in red crosshatch. The red crosshatch area is the only area where an operator is required to submit a request for exception to the LPC Limitations. If an operator is operating outside the red crosshatch area, the LPC Limitations do not apply for that year and an exception to LPC Limitations is not required.

4.2 OVERHEAD ELECTRIC LINES

A copy of the APD and attachments, including stipulations, survey plat and/or map, will be on location during construction. BLM personnel may request to you a copy of your permit during construction to ensure compliance with all stipulations.

Operator agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

- 1. The operator shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this APD.
- 2. The operator shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the operator shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the powerline corridor or on facilities authorized under this powerline corridor. (See 40 CFR, Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR, Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.

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- 3. The operator agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, et seq. or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, et seq.) on the Powerline corridor(unless the release or threatened release is wholly unrelated to the operator's activity on the powerline corridor), or resulting from the activity of the Operator on the powerline corridor. This agreement applies without regard to whether a release is caused by the operator, its agent, or unrelated third parties.
- 4. There will be no clearing or blading of the powerline corridor unless otherwise agreed to in writing by the Authorized Officer.
- 5. Power lines shall be constructed and designed in accordance to standards outlined in "Suggested Practices for Avian Protection on Power lines: The State of the Art in 2006" Edison Electric Institute, APLIC, and the California Energy Commission 2006. The operator shall assume the burden and expense of proving that pole designs not shown in the above publication deter raptor perching, roosting, and nesting. Such proof shall be provided by a raptor expert approved by the Authorized Officer. The BLM reserves the right to require modification or additions to all powerline structures placed on this powerline corridor, should they be necessary to ensure the safety of large perching birds. Such modifications and/or additions shall be made by the operator without liability or expense to the United States.
- 6. Raptor deterrence will consist of but not limited to the following: triangle perch discouragers shall be placed on each side of the cross arms and a nonconductive perching deterrence shall be placed on all vertical poles that extend past the cross arms.
- 7. The operator shall minimize disturbance to existing fences and other improvements on public lands. The operator is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The operator will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting the fence. No permanent gates will be allowed unless approved by the Authorized Officer.
- 8. The BLM serial number assigned to this authorization shall be posted in a permanent, conspicuous manner where the power line crosses roads and at all serviced facilities. Numbers will be at least two inches high and will be affixed to the pole nearest the road crossing and at the facilities served.
- 9. Upon cancellation, relinquishment, or expiration of this APD, the operator shall comply with those abandonment procedures as prescribed by the Authorized Officer.
- 10. All surface structures (poles, lines, transformers, etc.) shall be removed within 180 days of abandonment, relinquishment, or termination of use of the serviced facility or facilities or within 180 days of abandonment, relinquishment, cancellation, or expiration of this APD, whichever comes first. This will not apply where the power line extends service to an active, adjoining facility or facilities.
- 11. Special Stipulations:
 - For reclamation remove poles, lines, transformer, etc. and dispose of properly. Fill in any holes from the poles removed.
- 12. Karst stipulations for overhead electric lines
 - Smaller powerlines will be routed around sinkholes and other karst features to avoid or lessen the
 possibility of encountering near surface voids and to minimize changes to runoff or possible leaks
 and spills from entering karst systems. Larger powerlines will adjust their pole spacing to avoid
 cave and karst features.
 - The BLM, Carlsbad Field Office, will be informed immediately if any subsurface drainage channels, cave passages, or voids are penetrated during construction.
 - No further construction will be done until clearance has been issued by the Authorized Officer.

Special restoration stipulations or realignment may be required.

Timing Limitation Stipulation/Condition of Approval for Lesser Prairie-Chicken:

Oil and gas activities including 3-D geophysical exploration, and drilling will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Additionally, no new drilling will be allowed within up to 200 meters of leks known at the time of permitting. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.

Timing Limitation Exceptions:

The Carlsbad Field Office will publish an annual map of where the LPC timing and noise stipulations and conditions of approval (Limitations) will apply for the identified year (between March 1 and June 15) based on the latest survey information. The LPC Timing Area map will identify areas which are Habitat Areas (HA), Isolated Population Area (IPA), and Primary Population Area (PPA). The LPC Timing Area map will also have an area in red crosshatch. The red crosshatch area is the only area where an operator is required to submit a request for exception to the LPC Limitations. If an operator is operating outside the red crosshatch area, the LPC Limitations do not apply for that year and an exception to LPC Limitations is not required.

4.3 RANGLAND MITIGATION FOR PIPELINES

4.5.1 Fence Requirement

Where entry is granted across a fence line, the fence must be braced and tied off on both sides of the passageway with H-braces prior to cutting. Once the work is completed, the fence will be restored to its prior condition, or better. The operator shall notify the private surface landowner or the grazing allotment operator prior to crossing any fence(s).

4.5.2 Cattleguards

An appropriately sized cattleguard(s) sufficient to carry out the project shall be installed and maintained at road-fence crossing(s). Any existing cattleguard(s) on the access road shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattleguard(s) that are in place and are utilized during lease operations. A gate shall be constructed on one side of the cattleguard and fastened securely to H-braces.

4.5.3 Livestock Watering Requirement

Structures that provide water to livestock, such as windmills, pipelines, drinking troughs, and earthen reservoirs, will be avoided by moving the proposed action.

Any damage to structures that provide water to livestock throughout the life of the well, caused by operations from the well site, must be immediately corrected by the operator. The operator must notify the BLM office (575-234-5972) and the private surface landowner or the grazing allotment operator if any damage occurs to structures that provide water to livestock.

• Livestock operators will be contacted, and adequate crossing facilities will be provided as needed to ensure livestock are not prevented from reaching water sources because of the open trench.

- Wildlife and livestock trails will remain open and passable by adding soft plugs (areas where the
 trench is excavated and replaced with minimal compaction) during the construction phase. Soft
 plugs with ramps on either side will be left at all well-defined livestock and wildlife trails along
 the open trench to allow passage across the trench and provide a means of escape for livestock and
 wildlife that may enter the trench.
- Trenches will be backfilled as soon as feasible to minimize the amount of open trench. The Operator will avoid leaving trenches open overnight to the extent possible and open trenches that cannot be backfilled immediately will have escape ramps (wooden) placed at no more than 2,500 feet intervals and sloped no more than 45 degrees.

5. PRODUCTION (POST DRILLING)

5.1 WELL STRUCTURES & FACILITIES

5.1.1 Placement of Production Facilities

Production facilities must be placed on the well pad to allow for maximum interim recontouring and revegetation of the well location.

5.1.2 Exclosure Netting (Open-top Tanks)

Immediately following active drilling or completion operations, the operator will take actions necessary to prevent wildlife and livestock access, including avian wildlife, to all open-topped tanks that contain or have the potential to contain salinity sufficient to cause harm to wildlife or livestock, hydrocarbons, or Resource Conservation and Recovery Act of 1976-exempt hazardous substances. At a minimum, the operator will net, screen, or cover open-topped tanks to exclude wildlife and livestock and prevent mortality. If the operator uses netting, the operator will cover and secure the open portion of the tank to prevent wildlife entry. The operator will net, screen, or cover the tanks until the operator removes the tanks from the location or the tanks no longer contain substances that could be harmful to wildlife or livestock. Use a maximum netting mesh size of 1 ½ inches. The netting must not be in contact with fluids and must not have holes or gaps.

5.1.3. Chemical and Fuel Secondary Containment and Exclosure Screening

The operator will prevent all hazardous, poisonous, flammable, and toxic substances from coming into contact with soil and water. At a minimum, the operator will install and maintain an impervious secondary containment system for any tank or barrel containing hazardous, poisonous, flammable, or toxic substances sufficient to contain the contents of the tank or barrel and any drips, leaks, and anticipated precipitation. The operator will dispose of fluids within the containment system that do not meet applicable state or U. S. Environmental Protection Agency livestock water standards in accordance with state law; the operator must not drain the fluids to the soil or ground. The operator will design, construct, and maintain all secondary containment systems to prevent wildlife and livestock exposure to harmful substances. At a minimum, the operator will install effective wildlife and livestock exclosure systems such as fencing, netting, expanded metal mesh, lids, and grate covers. Use a maximum netting mesh size of 1 ½ inches.

5.1.4. Open-Vent Exhaust Stack Exclosures

The operator will construct, modify, equip, and maintain all open-vent exhaust stacks on production equipment to prevent birds and bats from entering, and to discourage perching, roosting, and nesting. (*Recommended exclosure structures on open-vent exhaust stacks are in the shape of a cone.*) Production equipment includes, but may not be limited to, tanks, heater-treaters, separators, dehydrators, flare stacks, in-line units, and compressor mufflers.

5.1.5. Containment Structures

Proposed production facilities such as storage tanks and other vessels will have a secondary containment structure that is constructed to hold the capacity of 1.5 times the largest tank, plus freeboard to account for precipitation, unless more stringent protective requirements are deemed necessary.

6. RECLAMATION

Stipulations required by the Authorized Officer on specific actions may differ from the following general guidelines

6.1 ROAD AND SITE RECLAMATION

Any roads constructed during the life of the well will have the caliche removed or linear burial. If contaminants are indicated then testing will be required for chlorides and applicable contaminate anomalies for final disposal determination (disposed of in a manner approved by the Authorized Officer within Federal, State and Local statutes, regulations, and ordinances) and seeded to the specifications in sections 6.5 and 6.6.

6.2 EROSION CONTROL

Install erosion control berms, windrows, and hummocks. Windrows must be level and constructed perpendicular to down-slope drainage; steeper slopes will require greater windrow density. Topsoil between windrows must be ripped to a depth of at least 12", unless bedrock is encountered. Any large boulders pulled up during ripping must be deep-buried on location. Ripping must be perpendicular to down-slope. The surface must be left rough in order to catch and contain rainfall on-site. Any trenches resulting from erosion cause by run-off shall be addressed immediately.

6.3 INTERIM RECLAMATION

During the life of the development, all disturbed areas not needed for active support of production operations must undergo interim reclamation in order to minimize the environmental impacts of development on other resources and uses.

Within six (6) months of well completion, operators must work with BLM surface protection specialists (BLM_NM_CFO_Construction_Reclamation@blm.gov) to devise the best strategies to reduce the size of the location. Interim reclamation must allow for remedial well operations, as well as safe and efficient removal of oil and gas.

During reclamation, the removal of caliche and any other surface material is required. Removed caliche that is free of contaminants may be used for road repairs, fire walls or for building other roads and locations. In order to operate the well or complete workover operations, it may be necessary to drive, park and operate on restored interim vegetation within the previously disturbed area. Disturbing revegetated areas for production or workover operations will be allowed. If there is significant disturbance and loss of vegetation, the area will need to be revegetated. Communicate with the appropriate BLM office for any exceptions/exemptions if needed.

All disturbed areas after they have been satisfactorily prepared need to be reseeded with the seed mixture provided in section 6.6.

Upon completion of interim reclamation, the operator shall submit a Sundry Notice, Subsequent Report of Reclamation (Form 3160-5).

6.4 FINAL ABANDONMENT & RECLAMATION

Prior to surface abandonment, the operator shall submit a Notice of Intent Sundry Notice and reclamation plan.

At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land are restored.

Earthwork for final reclamation must be completed within six (6) months of well plugging. All pads, pits, facility locations and roads must be reclaimed to a satisfactory revegetated, safe, and stable condition, unless an agreement is made with the landowner or BLM to keep the road and/or pad intact.

After all disturbed areas have been satisfactorily prepared, these areas need to be revegetated with the seed mixture provided below. Seeding will be accomplished by drilling on the contour whenever practical or by other approved methods. Seeding may need to be repeated until revegetation is successful, as determined by the BLM. After earthwork and seeding is completed, the operator is required to submit a Sundry Notice, Subsequent Report of Reclamation.

Operators shall contact a BLM surface protection specialist prior to surface abandonment operations for site specific objectives (BLM NM CFO Construction Reclamation@blm.gov).

6.5 SEEDING TECHNIQUES

Seeds shall be hydro-seeded, mechanically drilled, or broadcast, with the broadcast-seeded area raked, ripped or dragged to aid in covering the seed. The seed mixture shall be evenly and uniformly planted over the disturbed area.

6.6 SOIL SPECIFIC SEED MIXTURE

The lessee/permitee shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the Authorized Officer.

Seed land application will be accomplished by mechanical planting using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area. Smaller/heavier seeds tend to drop the bottom of the drill and are planted first; the operator shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory BLM or Soil Conservation

District stand is established as determined by the Authorized Officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding or until several months of precipitation have occurred, enabling a full four months of growth, with one or more seed generations being established.

Seed Mixture 2, for Sandy Site

Species to be planted in pounds of pure live seed* per acre:

Species

	l <u>b/acre</u>
Sand dropseed (Sporobolus cryptandrus)	1.0
Sand love grass (Eragrostis trichodes)	1.0
Plains bristlegrass (Setaria macrostachya)	2.0

^{*}Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = pounds pure live seed

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME: | Cimarex Energy Company

LEASE NO.: NMNM26394

LOCATION: Section 28, T.25 S., R.33 E., NMPM

•

COUNTY: Lea County, New Mexico

WELL NAME & NO.: | Cascade 28 Federal 412H

SURFACE HOLE FOOTAGE: 210'/N & 2099'/E **BOTTOM HOLE FOOTAGE** 100'/S & 2132'/W **ATS/API ID: ATS-20-2274**

APD ID: 10400093849

Sundry ID: N/a

WELL NAME & NO.: | Cascade 28 Federal 413H

SURFACE HOLE FOOTAGE: 210'/N & 2059'/E **BOTTOM HOLE FOOTAGE** 100'/S & 2021'/W

ATS/API ID: ATS-20-2275 APD ID: 10400093858

Sundry ID: N/a

COA

H2S	Yes ▼				
Potash	None ▼				
Cave/Karst	Low				
Potential Cave/Karst	Critical				
Potential	_				
Variance	O None	© Flex Hose	C Other		
Wellhead	Conventional and Multibowl				
Other	4 String	Capitan Reef	□ WIPP		
		None			
Other	Pilot Hole	Open Annulus			
	None 🔻				
Cementing	Contingency Squeeze	Echo-Meter	Primary Cement		
	None	None ▼	Squeeze		
	_		None 🔻		
Special	■ Water	□ COM	☐ Unit		
Requirements	Disposal/Injection				
Special	☐ Batch Sundry				
Requirements					
Special	Break Testing	Offline	▼ Casing		
Requirements		Cementing	Clearance		
Variance					

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated 500 feet prior to drilling into the **Delaware** formation. As a result, the Hydrogen Sulfide area must meet **43 CFR part 3170 Subpart 3176** requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

- 1. The 10-3/4 inch surface casing shall be set at approximately 1140 feet (a minimum of 25 feet (Lea County) into the Rustler Anhydrite and above the salt when present, and below usable fresh water) and cemented to the surface. The surface hole shall be 14 3/4 inch in diameter.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of

- six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
- b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8** hours or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
- d. If cement falls back, remedial cementing will be done prior to drilling out that string.

Intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.

- 2. The minimum required fill of cement behind the 7-5/8 inch intermediate casing is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above.
- 3. The minimum required fill of cement behind the 5-1/2 inch production casing is:
 - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'

2.

Option 1:

- a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the 7-5/8 inch intermediate casing shoe shall be 10,000 (10M) psi. Variance is approved to use a 5000 (5M) Annular which shall be tested to 5000 (5M) psi.

Option 2:

Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the 10-3/4 inch surface casing. Minimum working

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pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 10,000 (10M) psi. Variance is approved to use a 5000 (5M) Annular which shall be tested to 5000 (5M) psi.

- a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
- b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
- c. Manufacturer representative shall install the test plug for the initial BOP test.
- d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.

D. SPECIAL REQUIREMENT (S)

Casing Clearance

Operator casing variance is approved.

Operator shall clean up cycles until wellbore is clear of cuttings and any large debris, ensure cutting sizes are less than 0.5 micron before cementing.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

✓ Lea CountyCall the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575) 689-5981

- 1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - Notify the BLM when moving in and removing the Spudder Rig.
 - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - BOP/BOPE test to be conducted per **43** CFR part **3170** Subpart **3172** as soon as 2nd Rig is rigged up on well.
- 2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
- 3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report when present.
- A. CASING

- 1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
- 2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
- 5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
- 6. 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. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
- 7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
- 8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.
- B. PRESSURE CONTROL

- 1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in 43 CFR part 3170 Subpart 3172 and API STD 53 Sec. 5.3.
- 2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
- 3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
- 4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
 - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- 5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-

- off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
- b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)
- c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to 43 CFR part 3170 Subpart 3172 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- e. The results of the test shall be reported to the appropriate BLM office.
- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per 43 CFR part 3170 Subpart 3172.
- C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

Long Vo (LVO) 5/8/2024



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

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 tmie
- 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.

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).

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 Ambulan	ce 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								
1	Sheriff's Office		Fire Departi		Hospital / Medical Care F				
	Andrews County	432-523-5545		432-523-3111	·	432-523-2200			
	Reagan County	325-884-2929	, i	325-884-3650	Reagan Memorial Hosp.	325-884-2561			
	Howard County	432-264-2244		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	Kermit	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	Mertzon						
	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 Aml	Fround Ambulance Services								
	Reeves County Medical				Pecos, TX	432-447-3551			
	TOOLS, TA								



U.S. Department of the Interior BUREAU OF LAND MANAGEMENT

SUPO Data Report

APD ID: 10400093858

Submission Date: 08/25/2023

Highlighted data reflects the most recent changes

Operator Name: CIMAREX ENERGY COMPANY

Well Name: CASCADE 28 FEDERAL

Well Number: 413H

Show Final Text

Well Type: OIL WELL

Well Work Type: Drill

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

CASCADE_28_FEDERAL_W2E2_85H___FINAL_PLAT_Access_Road_Plats_Existing_20231219110637.pdf

Existing Road Purpose: ACCESS,FLUID TRANSPORT

Row(s) Exist? YES

ROW ID(s)

ID: NMNM140896

Do the existing roads need to be improved? YES

Existing Road Improvement Description: Road resurfacing of existing roads will be done due to erosion and use.

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? YES

New Road Map:

CASCADE_28_FEDERAL_ACCESS_NETWORK___Road_Network_20231219110916.pdf

New road type: COLLECTOR, RESOURCE

Length: 480 Feet

Width (ft.): 30

Max slope (%): 0

Max grade (%): 0

Army Corp of Engineers (ACOE) permit required? N

ACOE Permit Number(s):

New road travel width: 20

New road access erosion control: Best management practices will be used for E&S controls.

New road access plan or profile prepared? Y

New road access plan

CASCADE_28_FEDERAL_ACCESS_NETWORK___Road_Network_20231219110958.pdf

Well Name: CASCADE 28 FEDERAL Well Number: 413H

Access road engineering design? N

Access road engineering design

Turnout? N

Access surfacing type: GRAVEL

Access topsoil source: BOTH

Access surfacing type description:

Access onsite topsoil source depth: 4

Offsite topsoil source description: Onsite and offsite materials will be used.

Onsite topsoil removal process: The topsoil shall be stripped and salvaged to provide for sufficient quantities to be respread to a depth of 4" as determined in the onsite, as needed to disturbed areas needed reclamation. Topsoil shall be stockpiled seperately from subsoil materials.

Access other construction information:

Access miscellaneous information:

Number of access turnouts:

Access turnout map:

Drainage Control

New road drainage crossing: CULVERT

Drainage Control comments: Best management practices will be used for E&S controls.

Road Drainage Control Structures (DCS) description: Drainage structures or drainage dips will be place in all natural

drainage ways.

Road Drainage Control Structures (DCS) attachment:

Access Additional Attachments

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

Cascade_413H_1_mile_Radius_20230825091201.pdf

Section 4 - Location of Existing and/or Proposed Production Facilities

Submit or defer a Proposed Production Facilities plan? SUBMIT

Production Facilities description: We will be constructing a satellite pad on the southeast side of the pad and will be running lines to existing CTB. All permanent (on site six months or longer) above the ground structures constructed or installed will be painted Carlsbad Tan as approved by the BLM.

Production Facilities map:

Facility_Layout_Plot_Plan_01302024_20240306075717.pdf

Well Name: CASCADE 28 FEDERAL Well Number: 413H

D_9299_20_100__PLOT_PLAN_Rev.1_CTB_Layout_20240423123907.pdf

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: MUNICIPAL

Water source use type: SURFACE CASING

INTERMEDIATE/PRODUCTION

CASING

Source latitude: Source longitude:

Source datum:

Water source permit type: WATER RIGHT

Permit Number:

Water source transport method: TRUCKING

Source land ownership: FEDERAL

Source transportation land ownership: FEDERAL

Water source volume (barrels): 5000 Source volume (acre-feet): 0.64446548

Source volume (gal): 210000

Water source and transportation

Cascade_403H_Drilling_Water_Route_20230803100939_20231219111337.pdf

Water source comments:

New water well? N

New Water Well Info

Well latitude: Well Longitude: Well datum:

Well target aquifer:

Est. depth to top of aquifer(ft): Est thickness of aquifer:

Aquifer comments:

Aquifer documentation:

Well depth (ft): Well casing type:

Well casing outside diameter (in.): Well casing inside diameter (in.):

New water well casing?

Used casing source:

Well Name: CASCADE 28 FEDERAL Well Number: 413H

Drilling method: Drill material:

Grout material: Grout depth:

Casing length (ft.): Casing top depth (ft.):

Well Production type: Completion Method:

Water well additional information:

State appropriation permit:

Additional information attachment:

Section 6 - Construction Materials

Using any construction materials: YES

Construction Materials description: Caliche and gravel will be obtained from the actual well site if available. In the event that no caliche is found onsite, caliche will be hauled in from BLM-approved caliche pit in Sec 20 NENE 25S 33E or Sec 5 NESE 26S 33E.

Construction Materials source location

Section 7 - Methods for Handling

Waste type: DRILLING

Waste content description: Drilling Fluids, drill cuttings, water and other waste produced from the well during drilling

operations.

Amount of waste: 15000 barrels

Waste disposal frequency : Weekly

Safe containment description: N/A

Safe containment attachment:

Waste disposal type: HAUL TO COMMERCIAL Disposal location ownership: COMMERCIAL

FACILITY

Disposal type description:

Disposal location description: : Haul to R360 Environmental Solutions, 4507 Carlsbad Hwy, Hobbs, NM 88240

Waste type: SEWAGE

Waste content description: Human Waste

Amount of waste: 300 gallons

Waste disposal frequency: Weekly

Safe containment description: Waste will be properly contained and disposed of properly at a state approved disposal

facility.

Safe containment attachment:

Waste disposal type: HAUL TO COMMERCIAL Disposal location ownership: PRIVATE

FACILITY

Disposal type description:

Disposal location description: A licensed 3rd party contractor will be used to haul and dispose human waste to City of

Toyah TX waste water facility.

Received by OCD: 5/23/2024 9:40:12 AM

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Operator Name: CIMAREX ENERGY COMPANY

Well Name: CASCADE 28 FEDERAL Well Number: 413H

Waste type: GARBAGE

Waste content description: Garbage and trash produced during drilling and completion operations

Amount of waste: 32500 pounds

Waste disposal frequency: Weekly Safe containment description: N/A

Safe containment attachment:

Waste disposal type: HAUL TO COMMERCIAL Disposal location ownership: COMMERCIAL

FACILITY

Disposal type description:

Disposal location description: A licensed 3rd party hauls trash to Lea County Landfill

Reserve Pit

Reserve Pit being used? NO

Temporary disposal of produced water into reserve pit? NO

Reserve pit length (ft.) Reserve pit width (ft.)

Reserve pit depth (ft.)

Reserve pit volume (cu. yd.)

Is at least 50% of the reserve pit in cut?

Reserve pit liner

Reserve pit liner specifications and installation description

Cuttings Area

Cuttings Area being used? NO

Are you storing cuttings on location? N

Description of cuttings location

Cuttings area length (ft.) Cuttings area width (ft.)

Cuttings area depth (ft.)

Cuttings area volume (cu. yd.)

Is at least 50% of the cuttings area in cut?

WCuttings area liner

Cuttings area liner specifications and installation description

Well Name: CASCADE 28 FEDERAL Well Number: 413H

Section 8 - Ancillary

Are you requesting any Ancillary Facilities?: N

Ancillary Facilities

Comments:

Section 9 - Well Site

Well Site Layout Diagram:

CASCADE_28_FEDERAL_W2E2_71H_Reclamation_Plat_20231219111458.pdf

Comments: The location showing access roads onto the pad and orientation of the rig with respect to the pad and other facilities are shown on Typical Rig Layout, Exhibit K for each well.

Section 10 - Plans for Surface Reclamation

Type of disturbance: New Surface Disturbance Multiple Well Pad Name: Cascade 28 Federal

Multiple Well Pad Number: W2E2-71H

Recontouring

CASCADE_28_FEDERAL_W2E2_71H_Reclamation_Plat_20231219111524.pdf

Drainage/Erosion control construction: Pad construction will include drainage control by re-routing drainages around the pad and installing culverts or low water crossings where needed. Erosion control techniques will be used where needed to minimize wind and water erosion and sedimentation loading prior to vegetation establishment.

Drainage/Erosion control reclamation: Area wide drainage will be stabilized and restored so that surface runoff flows, and gradients are returned to the condition present prior to development. Drainage basins will have similar features found in nearby, properly functioning basins.

Well pad proposed disturbance Well pad interim reclamation (acres): Well pad long term disturbance

(acres): 4.153 (acres): 1.022

Road proposed disturbance (acres): Road interim reclamation (acres): 0 Road long term disturbance (acres): 0.33

0.33

Powerline proposed disturbance Powerline interim reclamation (acres): Powerline long term disturbance

(acres): 1.28 1.28 (acres): 0

Pipeline proposed disturbance Pipeline interim reclamation (acres): Pipeline long term disturbance

(acres): 1.28 (acres): 0 Other proposed disturbance (acres): 0 Other interim reclamation (acres): 0 Other long term disturbance (acres): 0

Total proposed disturbance: 7.043 Total interim reclamation: 5.691 Total long term disturbance: 1.352

Disturbance Comments: BLM recommended seed mix will be used for reclamation purposes.

Reconstruction method: Areas to be reclaimed will be graded to approximate original contours and to blend in with adjacent topography. Graded surfaces will be suitable for the replacement of uniform depth of topsoil, will promote cohesion between subsoil and topsoil layers, will reduce wind erosion, and will facilitate moisture capture. Specialist grading techniques may be applied if warranted and could include slope rounding, star-step grading/tracing and/or contour furrowing.

Topsoil redistribution: After compaction relief (ripping/discing) all topsoil will be redistributed on the

Well Name: CASCADE 28 FEDERAL Well Number: 413H

reclaimed area to a pre-disturbance depth. Topsoil is typically redistributed with a scarper or front-end loader which leaves friable surface to work with. Waterbars and erosion control devices will be installed on reclaimed areas, as necessary, to control topsoil erosion.

Soil treatment: As needed.

Existing Vegetation at the well pad: N/A

Existing Vegetation at the well pad

Existing Vegetation Community at the road: N/A

Existing Vegetation Community at the road

Existing Vegetation Community at the pipeline: N/A

Existing Vegetation Community at the pipeline

Existing Vegetation Community at other disturbances: N/A

Existing Vegetation Community at other disturbances

Non native seed used? N

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? N

Seedling transplant description

Will seed be harvested for use in site reclamation? N

Seed harvest description:

Seed harvest description attachment:

Seed

Seed Table

Seed Summary

Total pounds/Acre:

Seed Type

Pounds/Acre

Seed reclamation

Operator Contact/Responsible Official

Well Name: CASCADE 28 FEDERAL Well Number: 413H

First Name: Laci Last Name: Luig

Phone: (432)425-0434 Email: laci.luig@coterra.com

Seedbed prep:

Seed BMP:

Seed method:

Existing invasive species? N

Existing invasive species treatment description:

Existing invasive species treatment

Weed treatment plan description: N/A

Weed treatment plan

Monitoring plan description: Monitoring will be done in accordance with BLM Reclamation guidelines

Monitoring plan

Success standards: Success standards will be in accordance with BLM Reclamation guidelines.

Pit closure description: N/A

Pit closure attachment:

Section 11 - Surface Ownership

Disturbance type: WELL PAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland:

USFS Ranger District:

Well Name: CASCADE 28 FEDERAL Well Number: 413H

Disturbance type: PIPELINE

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland:

USFS Ranger District:

Disturbance type: NEW ACCESS ROAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland:

USFS Ranger District:

Well Name: CASCADE 28 FEDERAL Well Number: 413H

Disturbance type: OTHER

Describe: Powerline

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland:

USFS Ranger District:

Section 12 - Other

Right of Way needed? N

Use APD as ROW?

ROW Type(s):

ROW

SUPO Additional Information:

Use a previously conducted onsite? Y

Previous Onsite information: Onsite on 1/18/2018 with Jeff Robertson and Barry Hunt Onsite on 9/12/2023 with Caroline Kaufman

Other SUPO

Operator Name: CIMAREX ENERGY COMPANY

Well Name: CASCADE 28 FEDERAL Well Number: 413H

CASCADE_28_FEDERAL_Road_Network_Final_03052024_20240423124043.pdf CASCADE_28_FEDERAL_W2E2_71H___Final_03052024_20240423124045.pdf

BEGINNING AT THE INTERSECTION OF J-1/ORLA ROAD AND PIPELINE ROAD TO THE EAST (LOCATED AT NAD 83 LATITUDE N32.0650° AND LONGITUDE W103.6743°), PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY, THEN NORTHEASTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 3.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE BEGINNING OF THE PROPOSED CASCADE 28 FEDERAL ACCESS NETWORK TO THE EAST; FOLLOW ROAD FLAGS IN AN EASTERLY, THEN NORTHERLY, THEN EASTERLY DIRECTION APPROXIMATELY 4,676 TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM THE INTERSECTION OF J-1/ORLA ROAD AND PIPELINE ROAD TO THE EAST (LOCATED AT NAD 83 LATITUDE N32.0650° AND LONGITUDE W103.6743°), TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 9.3 MILES.

CIMAREX ENERGY CO.

CASCADE 28 FEDERAL W2E2 85H NW 1/4 NE 1/4, SECTION 28, T25S, R33E, N.M.P.M. LEA COUNTY, NEW MEXICO



SURVEYED BY	С.Т., С.Н.	01-24	-18	
DRAWN BY	J.L.G.	02-08	-18	
ROAD DES	SCRIPTIO	N	EX	HIBIT A





UELS, LLC Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017

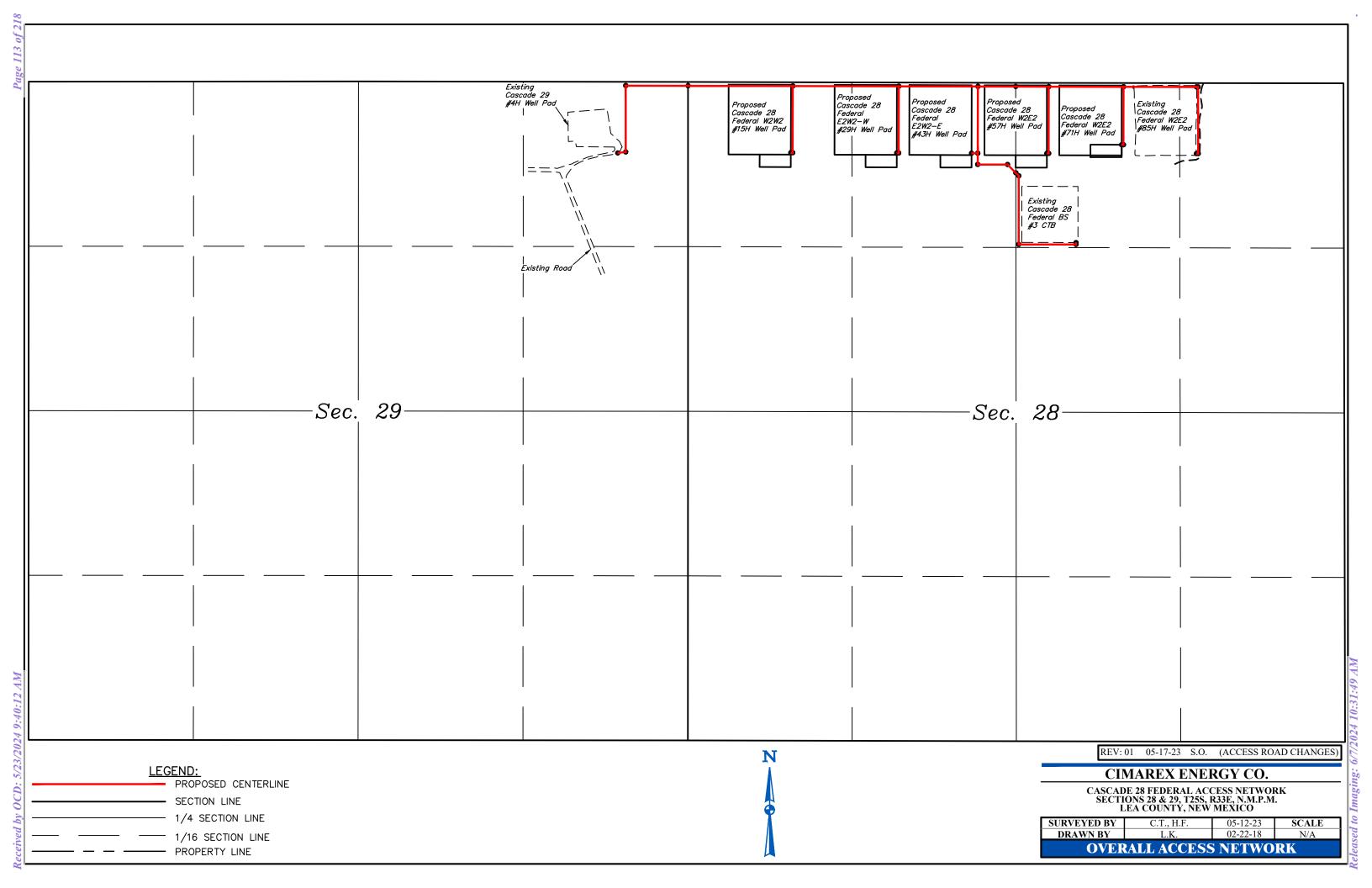
CASCADE 28 FEDERAL W2E2 85H NW 1/4 NE 1/4, SECTION 28, T25S, R33E, N.M.P.M. LEA COUNTY, NEW MEXICO

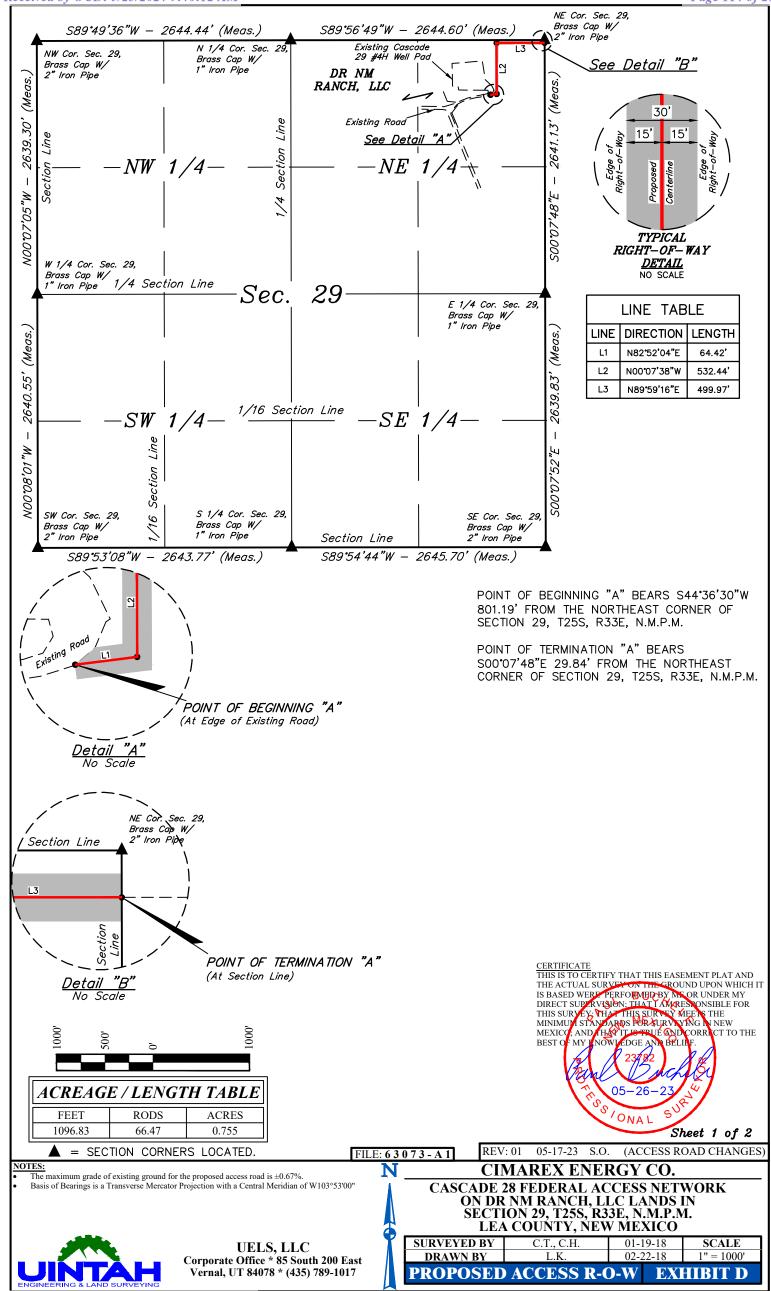
SURVEYED BY	С.Т., С.Н.	01-24	-18	SCALE
DRAWN BY	J.L.G.	02-08	-18	1:100,000
PUBLIC ACCE	SS ROAD	MAP	EX	HIBIT B

CIMAREX ENERGY CO. CASCADE 28 FEDERAL ACCESS NETWORK SECTIONS 28 & 29, T25S, R33E, N.M.P.M. LEA COUNTY, NEW MEXICO

DATE:	DESCRIPTION:
3/1/2018	FINAL PLATS ACCESS ROAD RE-ROUTE
5/25/2023	ACCESS ROAD RE-ROUTE







ACCESS ROAD "A" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTHEAST CORNER OF SECTION 29, T25S, R33E, N.M.P.M., FROM WHICH THE NORTH 1/4 CORNER OF SAID SECTION 29 BEARS S89'56'49"W 2644.60', THENCE S44'36'30"W 801.19' TO A POINT IN THE NE 1/4 NE 1/4 OF SAID SECTION 29 AND THE POINT OF BEGINNING; THENCE N82°52'04"E 64.42"; THENCE N00°07'38"W 532.44"; THENCE N89°59'16"E 499.97' TO A POINT ON THE EAST LINE OF THE NE 1/4 NE 1/4 OF SAID SECTION 29 AND THE POINT OF TERMINATION, WHICH BEARS S00°07'48"E 29.84' FROM THE NORTHEAST CORNER OF SAID SECTION 29. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 0.755 ACRES MORE OR LESS.

> CERTIFICATE
> THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND
> THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT
> IS BASED WERE PERFORMED BY ME OR UNDER MY
> DIRECT SUPPRYISION: THAT I AMARENDONSIBLE FOR
> THIS SURVEY, THAT THIS SURVEY MEET THE
> MINIMUM STANDARDS FOR SURVEYING IN NEW
> MEXICG: AND THAT IT IS TRUE AND CORRECT TO THE 05 - 26SIONAL

Sheet 2 of 2

FILE: 63073-A2

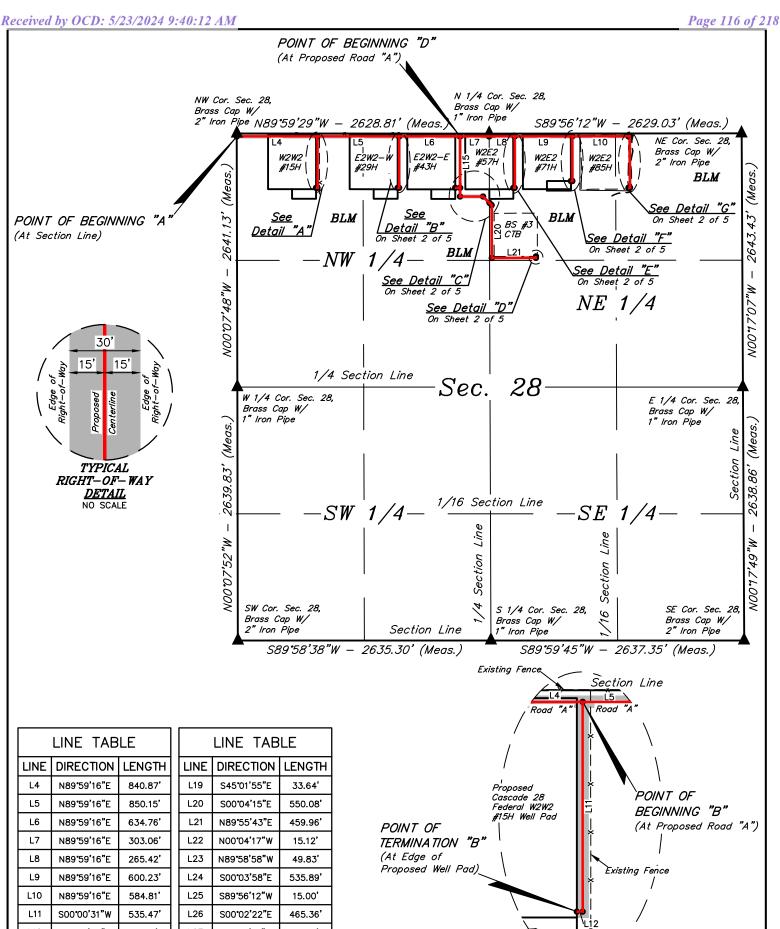
REV: 01 05-17-23 S.O. (ACCESS ROAD CHANGES)

NOTES:

CIMAREX ENERGY CO.

CASCADE 28 FEDERAL ACCESS NETWORK ON DR NM RANCH, LLC LANDS IN SECTION 29, T25S, R33E, N.M.P.M. LEA COUNTY, NEW MEXICO

SURVEYED BY C.T., C.H. 01-19-18 **SCALE** PROPOSED ACCESS R-O-W **EXHIBIT D**



LINE	DIRECTION	LENGTH
L4	N89°59'16"E	840.87
L5	N89°59'16"E	850.15
L6	N89°59'16"E	634.76
L7	N89*59'16"E	303.06'
L8	N89*59'16"E	265.42'
L9	N89°59'16"E	600.23
L10	N89°59'16"E	584.81'
L11	S00°00'31"W	535.47
L12	N89°59'29"W	15.00'
L13	S00°00'58"W	535.71'
L14	N90°00'00"W	15.08'
L15	S00°01'02"W	536.02'
L16	S00°01'02"W	89.94'
L17	S89*59'00"E	239.37
L18	S45*01'55"E	93.73'

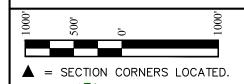
LINE TABLE			
LINE	DIRECTION	LENGTH	
L19	S45°01'55"E	33.64'	
L20	S00°04'15"E	550.08	
L21	N89°55'43"E	459.96'	
L22	N00°04'17"W	15.12	
L23	N89*58'58"W	49.83'	
L24	S00°03'58"E	535.89'	
L25	S89°56'12"W	15.00'	
L26	S00°02'22"E	465.36	
L27	S89*56'12"W	15.00'	
L28	N89°59'16"E	12.90'	
L29	S0016'56"E	534.83'	
L30	S89°57'13"W	14.94'	

TES:
The maximum grade of existing ground for the proposed access road "A" is ±4.72%.
The maximum grade of existing ground for the proposed access road "B" is ±16.63%.
The maximum grade of existing ground for the proposed access road "C" is ±4.45%.
The maximum grade of existing ground for the proposed access road "D" is ±7.06%.
The maximum grade of existing ground for the proposed access road "B" is ±0.25%.
The maximum grade of existing ground for the proposed access road "E" is ±8.22%.
The maximum grade of existing ground for the proposed access road "G" is ±24.23%.
The maximum grade of existing ground for the proposed access road "H" is ±7.70%.
Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

Proposea <u>"A"</u> <u>Detail "A</u> No Scale Cascade 28
Federal W2W2
#15H Satellite
Pad CERTIFICATE
THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND
THE ACTUAL SURVEY ON THE CROUND UPON WHICH IT
IS BASED WERP PERFORMED BY MS OR UNDER MY
DIRECT SUPPRYSION: THAT I AWARES ONSIBLE FOR
THIS SURVEY, THAT THIS SURVEY MEETS THE
MINIMUM STANDARDS FOR SURVEYING IN NEW
MEXICA. AND HEAT IT IS TRUE AND CORRICT TO THE
BEST OF MY INOWICEDER AND BELIEF.

> Sheet 1 of 5 REV: 01 05-17-23 S.O. (ACCESS ROAD CHANGES)

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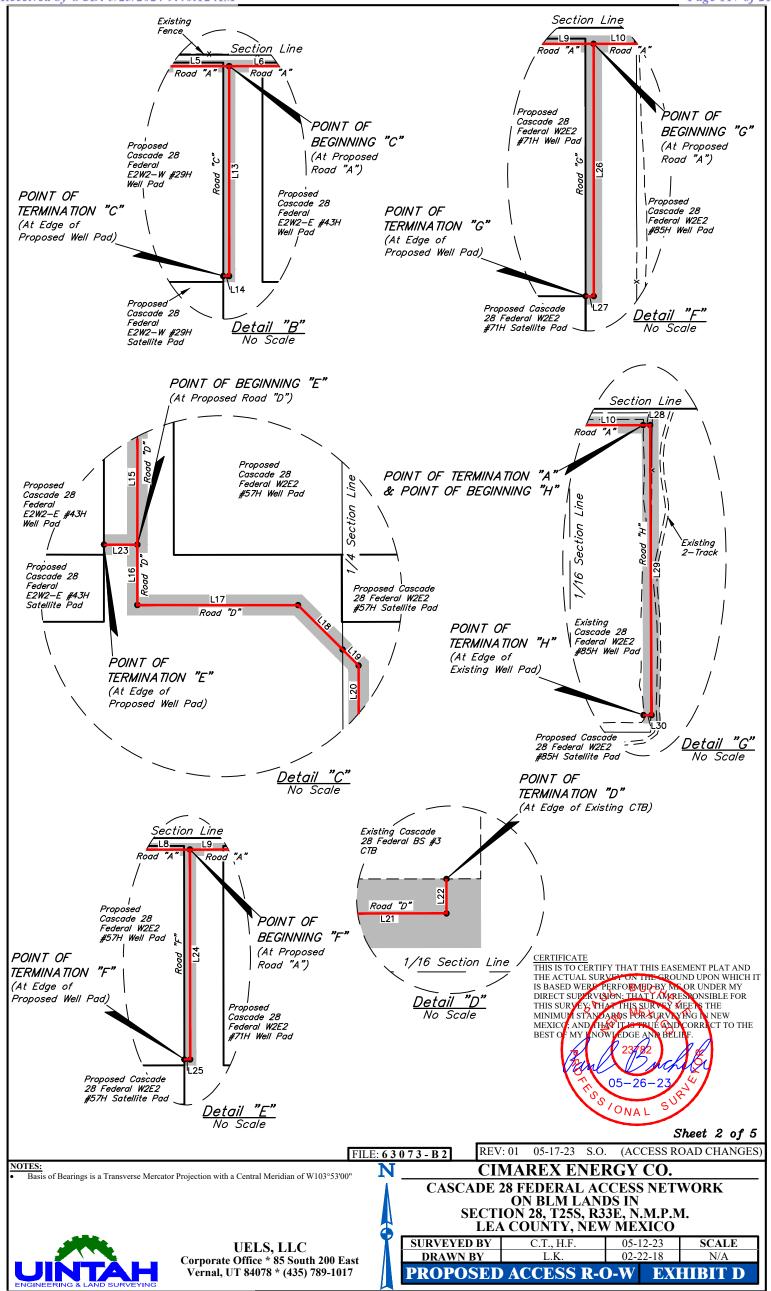
UELS, LLC Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017

FILE: 63073-B1

<u>CIMAREX ENERGY CO.</u> CASCADE 28 FEDERAL ACCESS NETWORK ON BLM LANDS IN SECTION 28, T25S, R33E, N.M.P.M. LEA COUNTY, NEW MEXICO

SCALE SURVEYED BY C.T., H.F. 05-12-23 PROPOSED ACCESS R-O-W EXHIBIT D

Released to Imaging: 6/7/2024 10:31:49 AM



POINT OF BEGINNING "A" BEARS S00°07'48"E 29.84' FROM THE NORTHWEST CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF TERMINATION "A" BEARS S88'28'14"W 1178.88' FROM THE NORTHEAST CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF BEGINNING "B" BEARS S87°58'49"E 841.46' FROM THE NORTHWEST CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF TERMINATION "B" BEARS S55'37'00"E 1000.70' FROM THE NORTHWEST CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF BEGINNING "C" BEARS S8813'27"W 938.17' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF TERMINATION "C" BEARS S59'20'47"W 1107.74' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF BEGINNING "D" BEARS S84°32'38"W 304.34' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF TERMINATION "D" BEARS \$20°50'15"E 1368.90' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF BEGINNING "E" BEARS S2812'55"W 641.14' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF TERMINATION "E" BEARS S31°59'42"W 666.14' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF BEGINNING "F" BEARS S83°48'22"E 267.08' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF TERMINATION "F" BEARS \$23*58'32"E 618.05' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF BEGINNING "G" BEARS S88°06'08"E 866.22' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF TERMINATION "G" BEARS S59*51'51"E 984.08' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF BEGINNING "H" BEARS S88°28'14"W 1178.88' FROM THE NORTHEAST CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF TERMINATION "H" BEARS S64*19'22"W 1306.94' FROM THE NORTHEAST CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

ACREAGE / LENGTH TABLE "A"					
LOCATION	FEET	RODS	ACRES		
SEC. 28 (NW 1/4)	2628.84	159.32	1.810		
SEC. 28 (NE 1/4)	1450.46	87.91	0.999		
TOTAL	4079.30	247.23	2.809		

ACREAGE / LENGTH TABLE "B"				
LOCATION	FEET	RODS	ACRES	
SEC. 28 (NW 1/4)	550.47	33.36	0.379	

ACREAGE / LENGTH TABLE "C"				
LOCATION	FEET	RODS	ACRES	
SEC. 28 (NW 1/4)	550.79	33.38	0.379	

ACREAGE / LENGTH TABLE "D"				
LOCATION	FEET	RODS	ACRES	
SEC. 28 (NW 1/4)	959.06	58.12	0.661	
SEC. 28 (NE 1/4)	1058.80		0.729	
TOTAL	2017.86	122.29	1.390	

ACREAGE / LENGTH TABLE "E"					
LOCATION	FEET	RODS	ACRES		
SEC. 28 (NW 1/4)	49.83	3.02	0.034		

ACREAGE / LENGTH TABLE "F"					
LOCATION	FEET	RODS	ACRES		
SEC. 28 (NE 1/4)	550.89	33.39	0.379		

ACREAGE / LENGTH TABLE "G"				
LOCATION	FEET	RODS	ACRES	
SEC. 28 (NE 1/4)	480.36	29.11	0.331	

ACREAGE / LENGTH TABLE "H"				
LOCATION	FEET	RODS	ACRES	
SEC. 28 (NE 1/4)	562.67	34.10	0.388	

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DIRECT SUPPLYSION: THAT I AWRESONSIBLE FOR
THIS SURVEY, THAT THIS SURVEY MEETS THE
MINIMUM STANDARDS FOR SURVEYING IN NEW
MEXICO, AND THAY IT IS THE AND CORRICT TO THE
BEST OF MY INOWLEDGE AND BELLIN.

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Sheet 3 of 5

FILE: 63073-B3

REV: 01 05-17-23 S.O. (ACCESS ROAD CHANGES)

CIMAREX ENERGY CO.

CASCADE 28 FEDERAL ACCESS NETWORK ON BLM LANDS IN SECTION 28, T25S, R33E, N.M.P.M. LEA COUNTY, NEW MEXICO

SURVEYED BY C.T., H.F. 05-12-23 **SCALE** PROPOSED ACCESS R-O-W **EXHIBIT D**

NOTES:

Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

ACCESS ROAD "A" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTHWEST CORNER OF SECTION 28, T25S, R33E, N.M.P.M., FROM WHICH THE WEST 1/4 CORNER OF SAID SECTION 28 BEARS S00°07'48"E 2641.13', THENCE S00°07'48"E 29.84' ALONG THE WEST LINE OF THE NW 1/4 NW 1/4 OF SAID SECTION 28 TO THE POINT OF BEGINNING; THENCE N89°59'16"E 840.87'; THENCE CONTINUING N89°59'16"E 850.15'; THENCE CONTINUING N89°59'16"E 303.06' TO A POINT ON THE EAST LINE OF THE NE 1/4 NW 1/4 OF SAID SECTION 28; THENCE CONTINUING N89°59'16"E 265.42'; THENCE CONTINUING N89'59'16"E 600.23'; THENCE CONTINUING N89'59'16"E 584.81' TO A POINT IN THE NE 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF TERMINATION, WHICH BEARS S88'28'14"W 1178.88' FROM THE NORTHEAST CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 2.809 ACRES MORE OR LESS.

ACCESS ROAD "B" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE

COMMENCING AT THE NORTHWEST CORNER OF SECTION 28, T25S, R33E, N.M.P.M., FROM WHICH THE WEST 1/4 CORNER OF SAID SECTION 28 BEARS S00°07'48"E 2641.13', THENCE S87°58'49"E 841.46' TO A POINT IN THE NW 1/4 NW 1/4 OF SAID SECTION 28 AND THE POINT OF BEGINNING; THENCE S00'00'31"W 535.47'; THENCE N89'59'29"W 15.00' TO A POINT IN THE NW 1/4 NW 1/4 OF SAID SECTION 28 AND THE POINT OF TERMINATION, WHICH BEARS S55'37'00"E 1000.70' FROM THE NORTHWEST CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 0.379 ACRES MORE OR LESS.

ACCESS ROAD "C" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M., FROM WHICH THE NORTHWEST CORNER OF SAID SECTION 28 BEARS N89°59'29"W 2628.81', THENCE S88°13'27"W 938.17' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 28 AND THE POINT OF BEGINNING; THENCE S00°00'58"W 535.71'; THENCE N90°00'00"W 15.08' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 28 AND THE POINT OF TERMINATION, WHICH BEARS S59'20'47"W 1107.74' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 0.379 ACRES MORE OR LESS.

ACCESS ROAD "D" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M., FROM WHICH THE NORTHWEST CORNER OF SAID SECTION 28 BEARS N89'59'29"W 2628.81', THENCE S84'32'38"W 304.34' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 28 BEARS NO9 39 29 W 2028.81, THENCE 384 32 38 W 304.34 TO A FOINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 28 AND THE POINT OF BEGINNING; THENCE S00°01'02"W 536.02'; THENCE CONTINUING S00°01'02"W 89.94'; THENCE S89°59'00"E 239.37'; THENCE S45°01'55"E 93.73' TO A POINT ON THE EAST LINE OF THE NE 1/4 NW 1/4 OF SAID SECTION 28; THENCE CONTINUING S45°01'55"E 33.64'; THENCE S00°04'15"E 550.08'; THENCE N89°55'43"E 459.96'; THENCE N00°04'17"W 15.12' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF TERMINATION, WHICH BEARS \$20°50'15"E 1368.90' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 1.390 ACRES MORE OR LESS.

ACCESS ROAD "E" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M., FROM WHICH THE NORTHWEST CORNER OF SAID SECTION 28 BEARS N89°59'29"W 2628.81', THENCE S28°12'55"W 641.14' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 28 AND THE POINT OF BEGINNING; THENCE N89'58'58"W 49.83' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 28 AND THE POINT OF TERMINATION, WHICH BEARS S31'59'42"W 666.14' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 0.034 ACRES MORE OR LESS.

> CERTIFICATE
> THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND
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> MINIMUM STANDARDS FOR SURVEYING IN NEW
> MEXICO: AND HEST THE AND CORRECT TO THE
> BEST OF MY LNOWLEDGE AND BELLIFF. 05-26 ONAL

> > Sheet 4 of 5

FILE: 63073-B4

REV: 01 05-17-23 S.O. (ACCESS ROAD CHANGES)

NOTES:
Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

CIMAREX ENERGY CO.

CASCADE 28 FEDERAL ACCESS NETWORK ON BLM LANDS IN SECTION 28, T25S, R33E, N.M.P.M. LEA COUNTY, NEW MEXICO

SURVEYED BY C.T., H.F. 05-12-23 **SCALE** 02-22-18 DRAWN BY 1'' = 1000'PROPOSED ACCESS R-O-W **EXHIBIT D**

Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017

UELS, LLC

ACCESS ROAD "F" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M., FROM WHICH THE NORTHEAST CORNER OF SAID SECTION 28 BEARS N89'56'12"E 2629.03', THENCE N83'48'22"W 267.08' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF BEGINNING; THENCE S00'03'58"E 535.89'; THENCE S89'56'12"W 15.00' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF TERMINATION, WHICH BEARS S23'58'32"E 618.05' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 0.379 ACRES MORE OR LESS.

ACCESS ROAD "G" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M., FROM WHICH THE NORTHEAST CORNER OF SAID SECTION 28 BEARS N89°56'12"E 2629.03', THENCE S88°06'08"E 866.22' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF BEGINNING; THENCE S00°02'22"E 465.36'; THENCE S89°56'12"W 15.00' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF TERMINATION, WHICH BEARS S59*51'51"E 984.08' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 0.331 ACRES MORE OR LESS.

ACCESS ROAD "H" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTHEAST CORNER OF SECTION 28, T25S, R33E, N.M.P.M., FROM WHICH THE NORTH 1/4 CORNER OF SAID SECTION 28 BEARS S89*56'12"W 2629.03', THENCE S88*28'14"W 1178.88' TO A POINT IN THE NE 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF BEGINNING; THENCE N89°59'16"E 12.90'; THENCE S00°16'56"E 534.83'; THENCE S89°57'13"W 14.94' TO A POINT IN THE NE 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF TERMINATION, WHICH BEARS S64°19'22"W 1306.94' FROM THE NORTHEAST CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 0.388 ACRES MORE OR LESS.

> CERTIFICATE
> THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND
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> DIRECT SUPPRIVISION: THAT I AMPRESSONSIBLE FOR
> THIS SURVEY, THAT THIS SURVEY MEETS THE
> MINIMUM STANDARDS FOR SURVEYING IN NEW UP EXTENSION: THAT I AMEN YEY; THAT THIS SURVEY A I STANDARDS FOR SURVE AND THAT IT IS TRUE AND MY KNOW LEDGE AND BELL NG IN NEW CORRECT TO THE

> > Sheet 5 of 5

FILE: 63073-B5

REV: 01 05-17-23 S.O. (ACCESS ROAD CHANGES)

05-26

ONA L

NOTES:

Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

CIMAREX ENERGY CO.

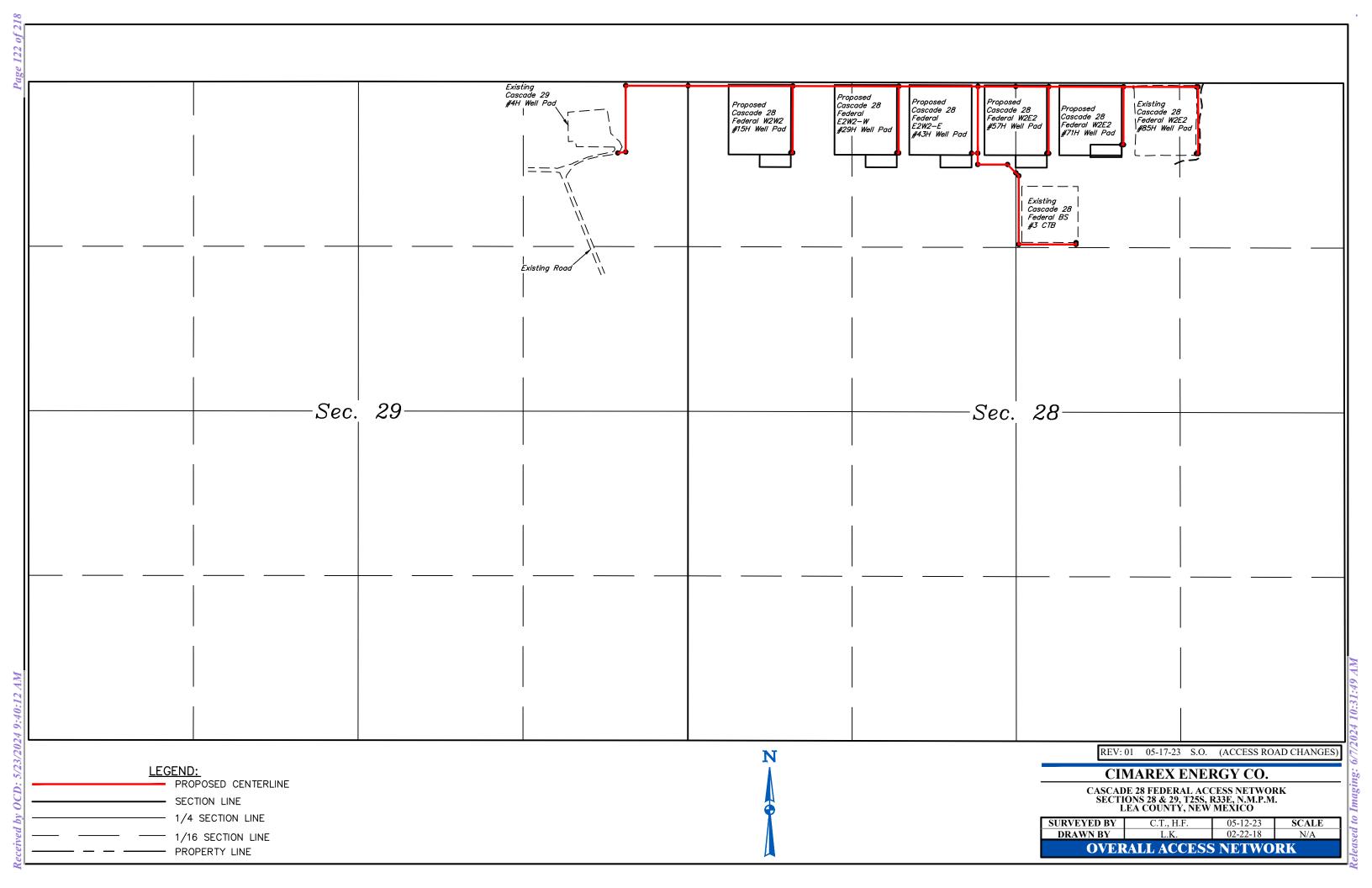
CASCADE 28 FEDERAL ACCESS NETWORK ON BLM LANDS IN SECTION 28, T25S, R33E, N.M.P.M. LEA COUNTY, NEW MEXICO

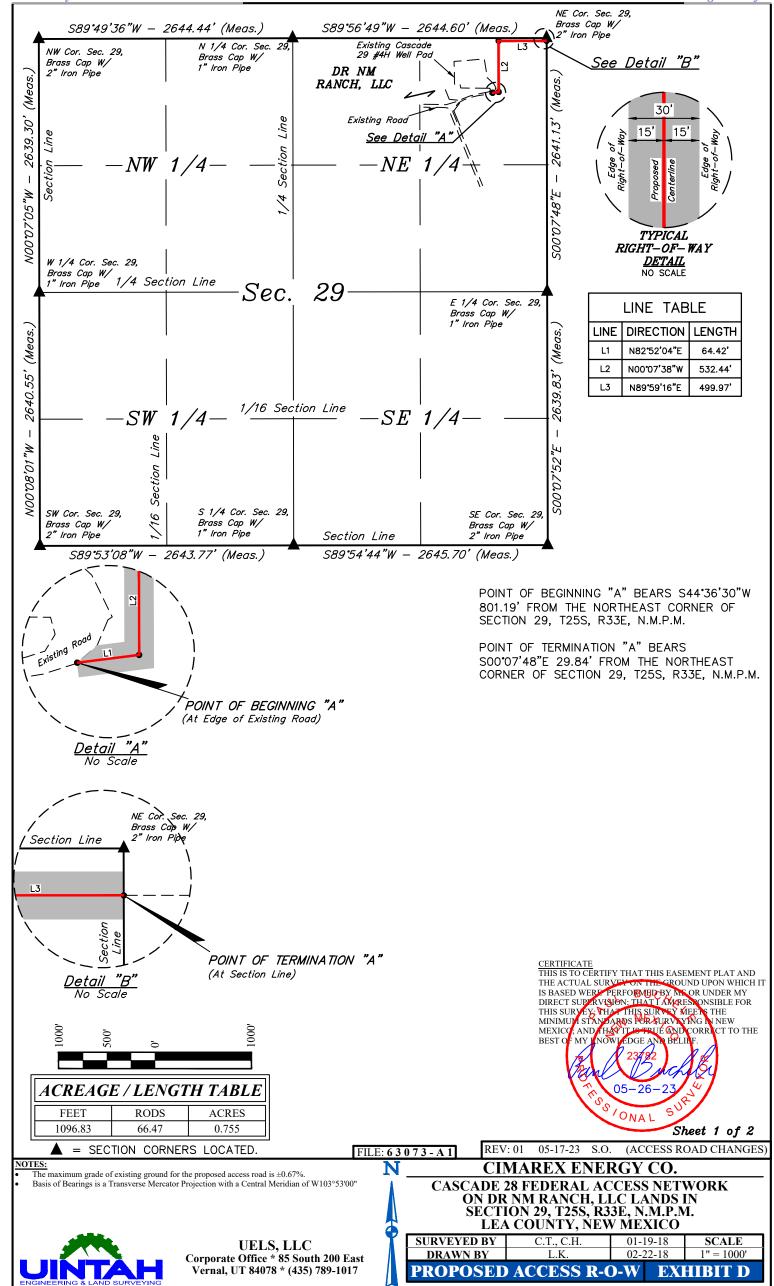
SURVEYED BY C.T., H.F. 05-12-23 **SCALE** 02-22-18 1'' = 1000'PROPOSED ACCESS R-O-W **EXHIBIT D**

CIMAREX ENERGY CO. CASCADE 28 FEDERAL ACCESS NETWORK SECTIONS 28 & 29, T25S, R33E, N.M.P.M. LEA COUNTY, NEW MEXICO

DATE:	DESCRIPTION:
3/1/2018	FINAL PLATS ACCESS ROAD RE-ROUTE
5/25/2023	ACCESS ROAD RE-ROUTE







ACCESS ROAD "A" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTHEAST CORNER OF SECTION 29, T25S, R33E, N.M.P.M., FROM WHICH THE NORTH 1/4 CORNER OF SAID SECTION 29 BEARS S89'56'49"W 2644.60', THENCE S44'36'30"W 801.19' TO A POINT IN THE NE 1/4 NE 1/4 OF SAID SECTION 29 AND THE POINT OF BEGINNING; THENCE N82°52'04"E 64.42"; THENCE N00°07'38"W 532.44"; THENCE N89°59'16"E 499.97' TO A POINT ON THE EAST LINE OF THE NE 1/4 NE 1/4 OF SAID SECTION 29 AND THE POINT OF TERMINATION, WHICH BEARS S00°07'48"E 29.84' FROM THE NORTHEAST CORNER OF SAID SECTION 29. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 0.755 ACRES MORE OR LESS.

> CERTIFICATE
> THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND
> THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT
> IS BASED WERE PERFORMED BY ME OR UNDER MY
> DIRECT SUPPRYISION: THAT I AMARENDONSIBLE FOR
> THIS SURVEY, THAT THIS SURVEY MEET THE
> MINIMUM STANDARDS FOR SURVEYING IN NEW
> MEXICG: AND THAT IT IS TRUE AND CORRECT TO THE 05 - 26SIONAL

Sheet 2 of 2

FILE: 63073-A2

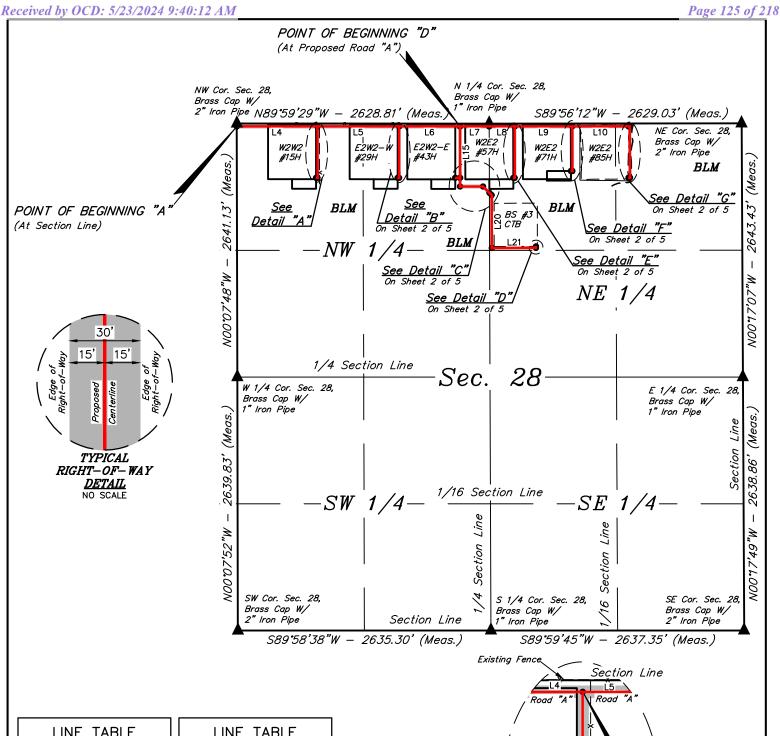
REV: 01 05-17-23 S.O. (ACCESS ROAD CHANGES)

NOTES:

CIMAREX ENERGY CO.

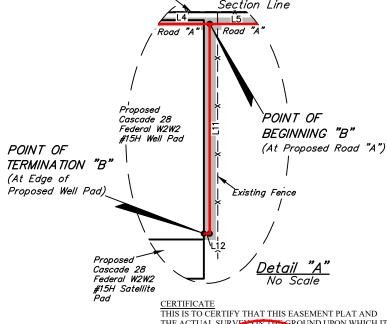
CASCADE 28 FEDERAL ACCESS NETWORK ON DR NM RANCH, LLC LANDS IN SECTION 29, T25S, R33E, N.M.P.M. LEA COUNTY, NEW MEXICO

SURVEYED BY C.T., C.H. 01-19-18 **SCALE** PROPOSED ACCESS R-O-W **EXHIBIT D**



LINE TABLE				
LINE	DIRECTION	LENGTH		
L4	N89°59'16"E	840.87		
L5	N89°59'16"E	850.15		
L6	N89°59'16"E	634.76		
L7	N89°59'16"E	303.06'		
L8	N89°59'16"E	265.42'		
L9	N89°59'16"E	600.23'		
L10	N89°59'16"E	584.81		
L11	S00°00'31"W	535.47		
L12	N89*59'29"W	15.00'		
L13	S00°00'58"W	535.71'		
L14	N90°00'00"W	15.08'		
L15	S00°01'02"W	536.02'		
L16	S00°01'02"W	89.94'		
L17	S89*59'00"E	239.37'		
L18	S45*01'55"E	93.73'		

LINE TABLE				
LINE	DIRECTION	LENGTH		
L19	S45°01'55"E	33.64'		
L20	S00°04'15"E	550.08'		
L21	N89°55'43"E	459.96'		
L22	N00°04'17"W	15.12'		
L23	N89*58'58"W	49.83'		
L24	S00°03'58"E	535.89'		
L25	S89*56'12"W	15.00'		
L26	S00°02'22"E	465.36'		
L27	S89*56'12"W	15.00'		
L28	N89°59'16"E	12.90'		
L29	S0016'56"E	534.83'		
L30	S89*57'13"W	14.94'		



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MINIMUM STANDARDS FOR SURVEYING IN NEW
MEXICA. AND HEAT IT IS TRUE AND CORRICT TO THE
BEST OF MY INOWICEDER AND BELIEF.

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REV: 01 05-17-23 S.O. (ACCESS ROAD CHANGES)

Sheet 1 of 5

•	The maximum grade of existing ground for the proposed access road "B" is $\pm 16.63\%$.
•	The maximum grade of existing ground for the proposed access road "C" is $\pm 4.45\%$.
•	The maximum grade of existing ground for the proposed access road "D" is $\pm 7.06\%$.

- The maximum grade of existing ground for the proposed access road "B" is ±0.25%.

 The maximum grade of existing ground for the proposed access road "F" is ±8.22%.

 The maximum grade of existing ground for the proposed access road "F" is ±8.22%.

 The maximum grade of existing ground for the proposed access road "F" is ±24.23%.

 The maximum grade of existing ground for the proposed access road "H" is ±7.70%.

 Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

00 500 SECTION CORNERS LOCATED.

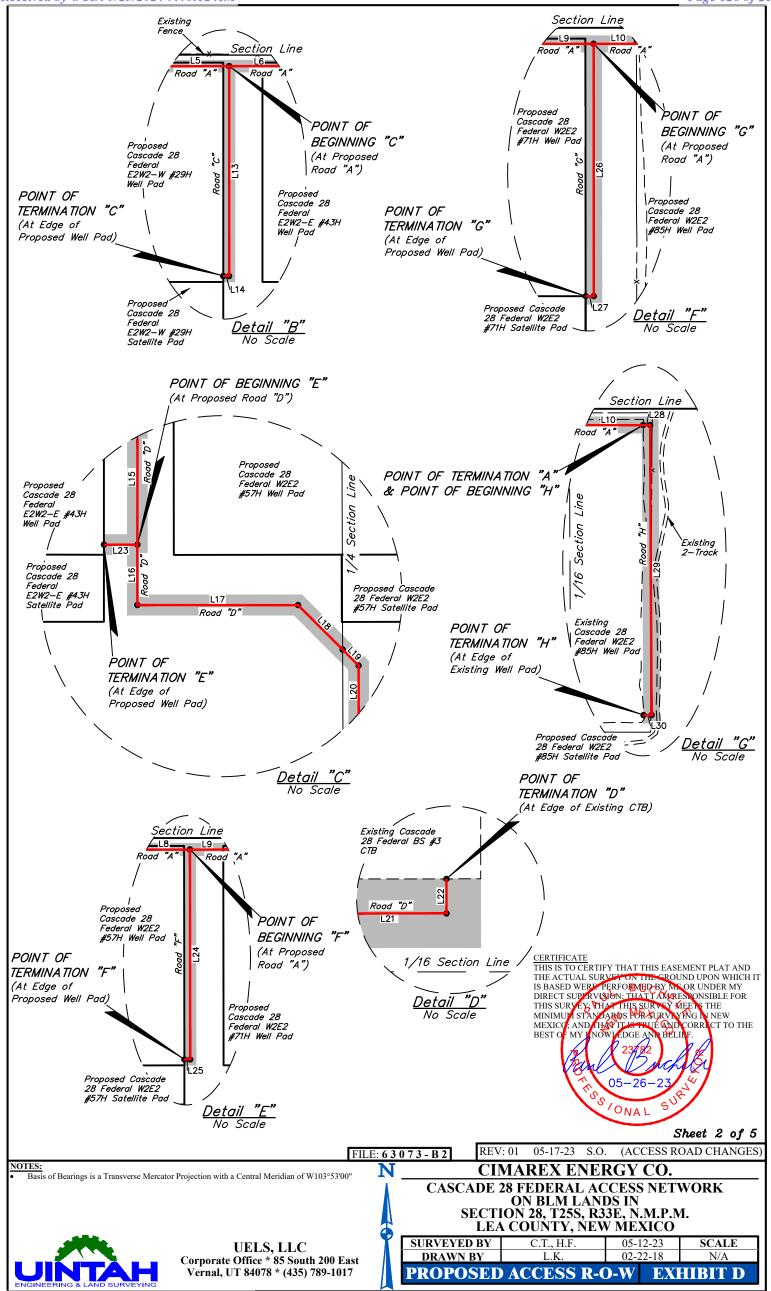
UELS, LLC Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017

FILE: 63073-B1

<u>CIMAREX ENERGY CO.</u> CASCADE 28 FEDERAL ACCESS NETWORK ON BLM LANDS IN SECTION 28, T25S, R33E, N.M.P.M. LEA COUNTY, NEW MEXICO

SCALE SURVEYED BY C.T., H.F. 05-12-23 1'' = 1000'PROPOSED ACCESS R-O-W EXHIBIT D

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POINT OF BEGINNING "A" BEARS S00°07'48"E 29.84' FROM THE NORTHWEST CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF TERMINATION "A" BEARS S88'28'14"W 1178.88' FROM THE NORTHEAST CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF BEGINNING "B" BEARS S87'58'49"E 841.46' FROM THE NORTHWEST CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF TERMINATION "B" BEARS S55'37'00"E 1000.70' FROM THE NORTHWEST CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF BEGINNING "C" BEARS S8813'27"W 938.17' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF TERMINATION "C" BEARS S59'20'47"W 1107.74' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF BEGINNING "D" BEARS S84*32'38"W 304.34' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF TERMINATION "D" BEARS \$20°50'15"E 1368.90' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF BEGINNING "E" BEARS S2812'55"W 641.14' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF TERMINATION "E" BEARS \$31°59'42"W 666.14' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF BEGINNING "F" BEARS S83*48'22"E 267.08' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF TERMINATION "F" BEARS \$23°58'32"E 618.05' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF BEGINNING "G" BEARS S88'06'08"E 866.22' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF TERMINATION "G" BEARS S59'51'51"E 984.08' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF BEGINNING "H" BEARS S88'28'14"W 1178.88' FROM THE NORTHEAST CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF TERMINATION "H" BEARS S64'19'22"W 1306.94' FROM THE NORTHEAST CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

ACREAGE / LENGTH TABLE "A"					
LOCATION	FEET	RODS	ACRES		
SEC. 28 (NW 1/4)	2628.84	159.32	1.810		
SEC. 28 (NE 1/4)	1450.46	87.91	0.999		
TOTAL	4079.30	247.23	2.809		

ACREAGE / LENGTH TABLE "B"					
LOCATION	FEET	RODS	ACRES		
SEC. 28 (NW 1/4) 550.47 33.36 0.379					

ACREAGE / LENGTH TABLE "C"					
LOCATION	LOCATION FEET RODS ACRES				
SEC. 28 (NW 1/4) 550.79 33.38 0.379					

ACREAGE / LENGTH TABLE "D"					
LOCATION	FEET	RODS	ACRES		
SEC. 28 (NW 1/4)	959.06	58.12	0.661		
SEC. 28 (NE 1/4)	1058.80	64.17	0.729		
TOTAL	2017.86	122.29	1.390		

ACREAGE / LENGTH TABLE "E"						
LOCATION	LOCATION FEET RODS ACRES					
SEC. 28 (NW 1/4) 49.83 3.02 0.034						

ACREAGE / LENGTH TABLE "F"					
LOCATION FEET RODS ACRES					
SEC. 28 (NE 1/4) 550.89 33.39 0.379					

ACREAGE / LENGTH TABLE "G"					
LOCATION	LOCATION FEET RODS ACRES				
SEC. 28 (NE 1/4)	480.36	29.11	0.331		

ACREAGE / LENGTH TABLE "H"							
LOCATION	FEET	RODS	ACRES				
SEC. 28 (NE 1/4)	562.67	34.10	0.388				

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MINIMUM STANDARDS FOR SURVEYING IN NEW
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BEST OF MY INOWLEDGE AND BELLIN.

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Sheet 3 of 5

REV: 01 05-17-23 S.O. (ACCESS ROAD CHANGES) CIMAREX ENERGY CO.

CASCADE 28 FEDERAL ACCESS NETWORK ON BLM LANDS IN SECTION 28, T25S, R33E, N.M.P.M. LEA COUNTY, NEW MEXICO

 SURVEYED BY
 C.T., H.F.
 05-12-23
 SCALE

 DRAWN BY
 L.K.
 02-22-18
 1" = 1000'

 PROPOSED ACCESS R-O-W
 EXHIBIT D

FILE: 63073-B3

NOTES:

Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00"



ACCESS ROAD "A" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTHWEST CORNER OF SECTION 28, T25S, R33E, N.M.P.M., FROM WHICH THE WEST 1/4 CORNER OF SAID SECTION 28 BEARS S00°07'48"E 2641.13', THENCE S00°07'48"E 29.84' ALONG THE WEST LINE OF THE NW 1/4 NW 1/4 OF SAID SECTION 28 TO THE POINT OF BEGINNING; THENCE N89°59'16"E 840.87'; THENCE CONTINUING N89°59'16"E 850.15'; THENCE CONTINUING N89°59'16"E 303.06' TO A POINT ON THE EAST LINE OF THE NE 1/4 NW 1/4 OF SAID SECTION 28; THENCE CONTINUING N89°59'16"E 265.42'; THENCE CONTINUING N89'59'16"E 600.23'; THENCE CONTINUING N89'59'16"E 584.81' TO A POINT IN THE NE 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF TERMINATION, WHICH BEARS S88'28'14"W 1178.88' FROM THE NORTHEAST CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 2.809 ACRES MORE OR LESS.

ACCESS ROAD "B" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE

COMMENCING AT THE NORTHWEST CORNER OF SECTION 28, T25S, R33E, N.M.P.M., FROM WHICH THE WEST 1/4 CORNER OF SAID SECTION 28 BEARS S00°07'48"E 2641.13', THENCE S87°58'49"E 841.46' TO A POINT IN THE NW 1/4 NW 1/4 OF SAID SECTION 28 AND THE POINT OF BEGINNING; THENCE S00'00'31"W 535.47'; THENCE N89'59'29"W 15.00' TO A POINT IN THE NW 1/4 NW 1/4 OF SAID SECTION 28 AND THE POINT OF TERMINATION, WHICH BEARS S55'37'00"E 1000.70' FROM THE NORTHWEST CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 0.379 ACRES MORE OR LESS.

ACCESS ROAD "C" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M., FROM WHICH THE NORTHWEST CORNER OF SAID SECTION 28 BEARS N89°59'29"W 2628.81', THENCE S88°13'27"W 938.17' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 28 AND THE POINT OF BEGINNING; THENCE S00°00'58"W 535.71'; THENCE N90°00'00"W 15.08' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 28 AND THE POINT OF TERMINATION, WHICH BEARS S59'20'47"W 1107.74' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 0.379 ACRES MORE OR LESS.

ACCESS ROAD "D" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M., FROM WHICH THE NORTHWEST CORNER OF SAID SECTION 28 BEARS N89'59'29"W 2628.81', THENCE S84'32'38"W 304.34' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 28 BEARS NO9 39 29 W 2028.81, THENCE 384 32 38 W 304.34 TO A FOINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 28 AND THE POINT OF BEGINNING; THENCE S00°01'02"W 536.02'; THENCE CONTINUING S00°01'02"W 89.94'; THENCE S89°59'00"E 239.37'; THENCE S45°01'55"E 93.73' TO A POINT ON THE EAST LINE OF THE NE 1/4 NW 1/4 OF SAID SECTION 28; THENCE CONTINUING S45°01'55"E 33.64'; THENCE S00°04'15"E 550.08'; THENCE N89°55'43"E 459.96'; THENCE N00°04'17"W 15.12' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF TERMINATION, WHICH BEARS \$20°50'15"E 1368.90' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 1.390 ACRES MORE OR LESS.

ACCESS ROAD "E" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M., FROM WHICH THE NORTHWEST CORNER OF SAID SECTION 28 BEARS N89°59'29"W 2628.81', THENCE S28°12'55"W 641.14' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 28 AND THE POINT OF BEGINNING; THENCE N89'58'58"W 49.83' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 28 AND THE POINT OF TERMINATION, WHICH BEARS S31'59'42"W 666.14' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 0.034 ACRES MORE OR LESS.

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> MEXICO: AND HEST THE AND CORRECT TO THE
> BEST OF MY LNOWLEDGE AND BELLIFF. 05-26

> > Sheet 4 of 5

FILE: 63073-B4

REV: 01 05-17-23 S.O. (ACCESS ROAD CHANGES)

ONAL

NOTES:
Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

CIMAREX ENERGY CO.

CASCADE 28 FEDERAL ACCESS NETWORK ON BLM LANDS IN SECTION 28, T25S, R33E, N.M.P.M. LEA COUNTY, NEW MEXICO

SURVEYED BY C.T., H.F. 05-12-23 **SCALE** 02-22-18 DRAWN BY 1'' = 1000'PROPOSED ACCESS R-O-W **EXHIBIT D**

Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017

UELS, LLC

ACCESS ROAD "F" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M., FROM WHICH THE NORTHEAST CORNER OF SAID SECTION 28 BEARS N89'56'12"E 2629.03', THENCE N83'48'22"W 267.08' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF BEGINNING; THENCE S00'03'58"E 535.89'; THENCE S89'56'12"W 15.00' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF TERMINATION, WHICH BEARS S23'58'32"E 618.05' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 0.379 ACRES MORE OR LESS.

ACCESS ROAD "G" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M., FROM WHICH THE NORTHEAST CORNER OF SAID SECTION 28 BEARS N89°56'12"E 2629.03', THENCE S88°06'08"E 866.22' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF BEGINNING; THENCE S00°02'22"E 465.36'; THENCE S89°56'12"W 15.00' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF TERMINATION, WHICH BEARS S59*51'51"E 984.08' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 0.331 ACRES MORE OR LESS.

ACCESS ROAD "H" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTHEAST CORNER OF SECTION 28, T25S, R33E, N.M.P.M., FROM WHICH THE NORTH 1/4 CORNER OF SAID SECTION 28 BEARS S89*56'12"W 2629.03', THENCE S88*28'14"W 1178.88' TO A POINT IN THE NE 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF BEGINNING; THENCE N89°59'16"E 12.90'; THENCE S00°16'56"E 534.83'; THENCE S89°57'13"W 14.94' TO A POINT IN THE NE 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF TERMINATION, WHICH BEARS S64°19'22"W 1306.94' FROM THE NORTHEAST CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 0.388 ACRES MORE OR LESS.

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> MINIMUM STANDARDS FOR SURVEYING IN NEW UP EXTENSION: THAT I AMEN YEY; THAT THIS SURVEY A I STANDARDS FOR SURVE AND THAT IT IS TRUE AND MY KNOW LEDGE AND BELL NG IN NEW CORRECT TO THE

> > Sheet 5 of 5

FILE: 63073-B5

REV: 01 05-17-23 S.O. (ACCESS ROAD CHANGES)

05-26

ONA L

NOTES:

Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

CIMAREX ENERGY CO.

CASCADE 28 FEDERAL ACCESS NETWORK ON BLM LANDS IN SECTION 28, T25S, R33E, N.M.P.M. LEA COUNTY, NEW MEXICO

SURVEYED BY C.T., H.F. 05-12-23 **SCALE** 02-22-18 1'' = 1000'PROPOSED ACCESS R-O-W **EXHIBIT D**



N

LEGEND:

• EXISTING WELLS

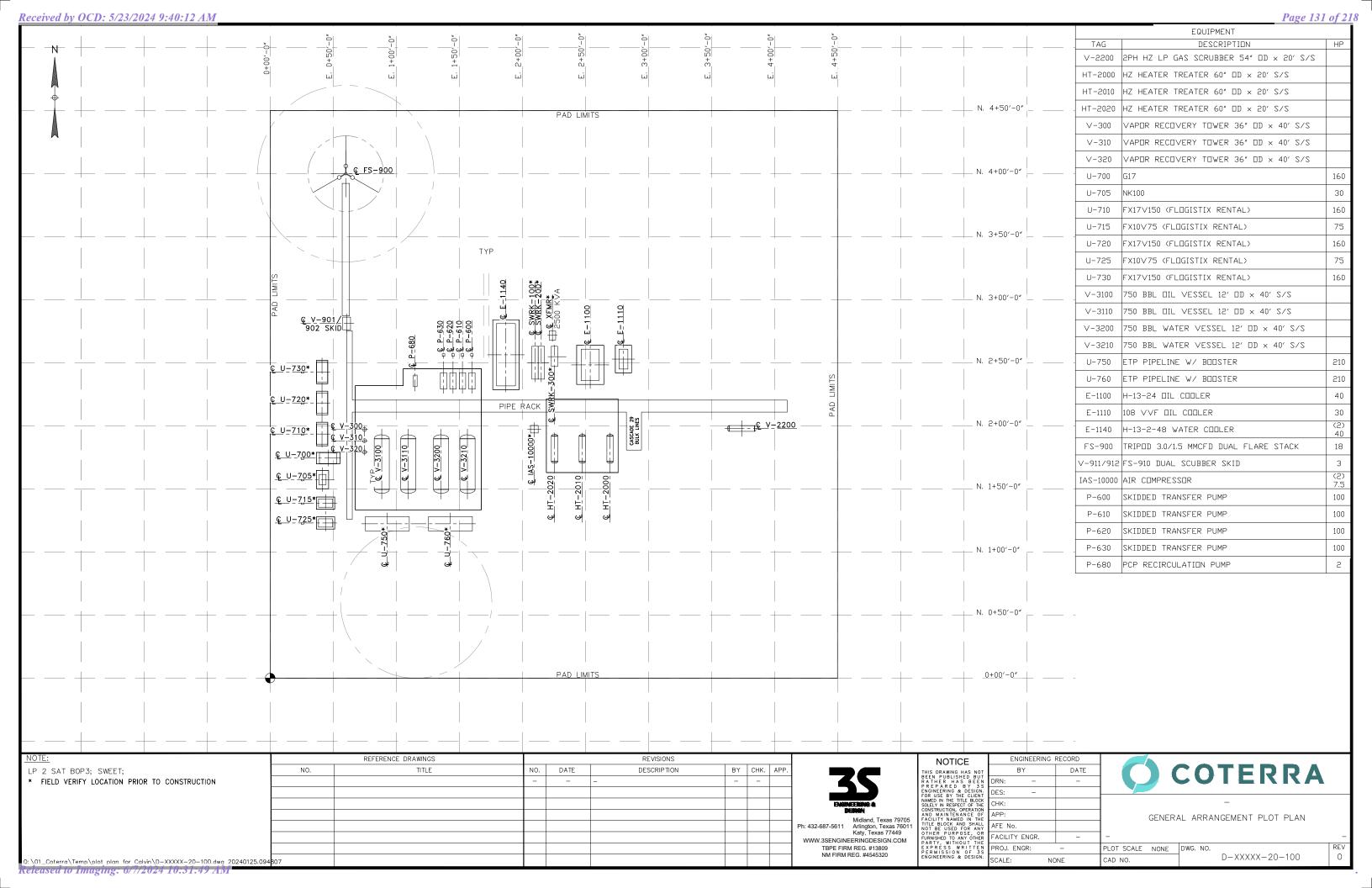


UELS, LLC Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017

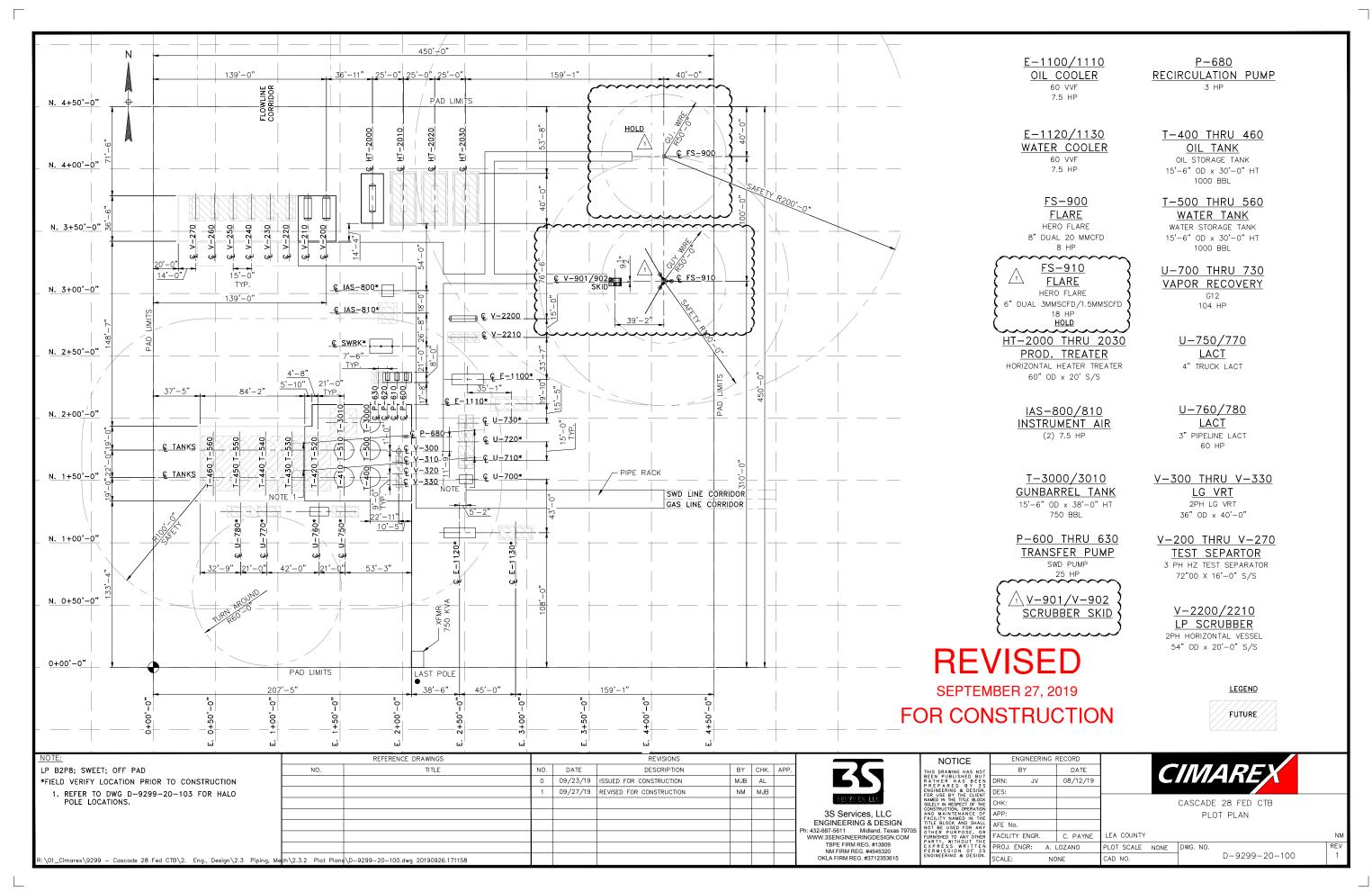
CIMAREX ENERGY CO.

CASCADE 28 FEDERAL W2E2-71H NW 1/4 NE 1/4, SECTION 28, T25S, R33E, N.M.P.M. LEA COUNTY, NEW MEXICO

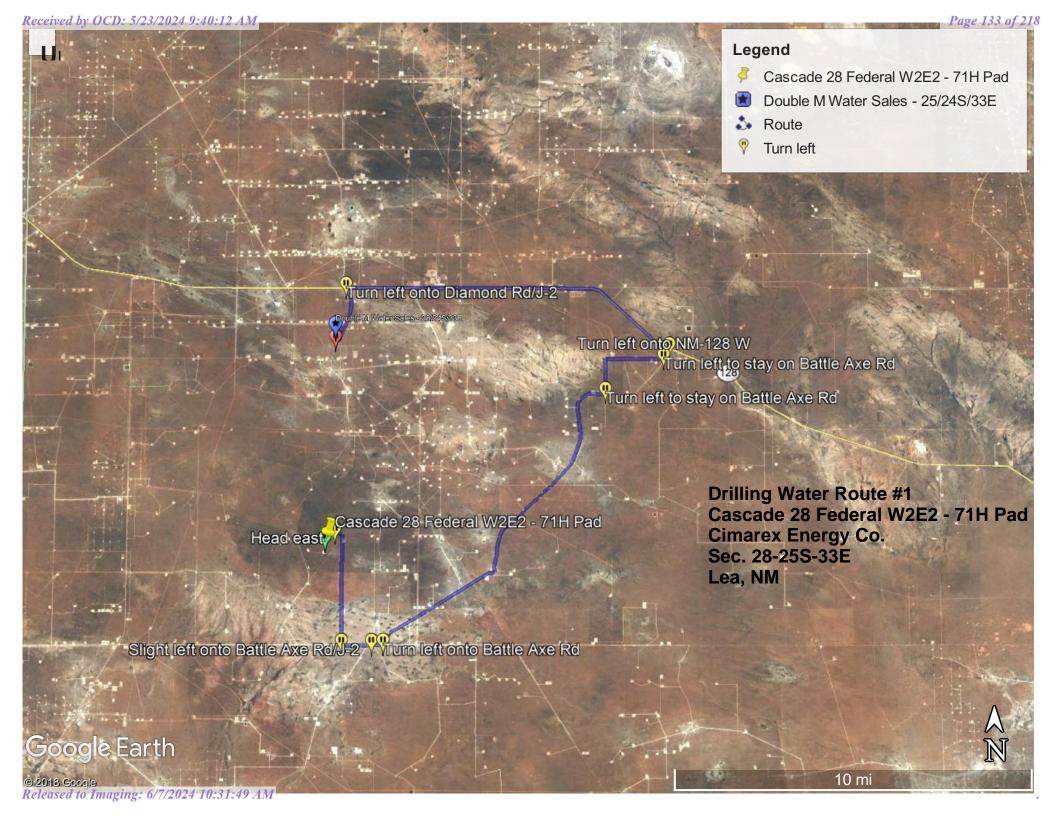
SURVEYED BY	С.Т., С.Н.	01-24	1-18	SCALE	
DRAWN BY	J.L.G.	02-08	3-18	1:24,000	
1 MILE RADIUS MAP EXHIBIT E					

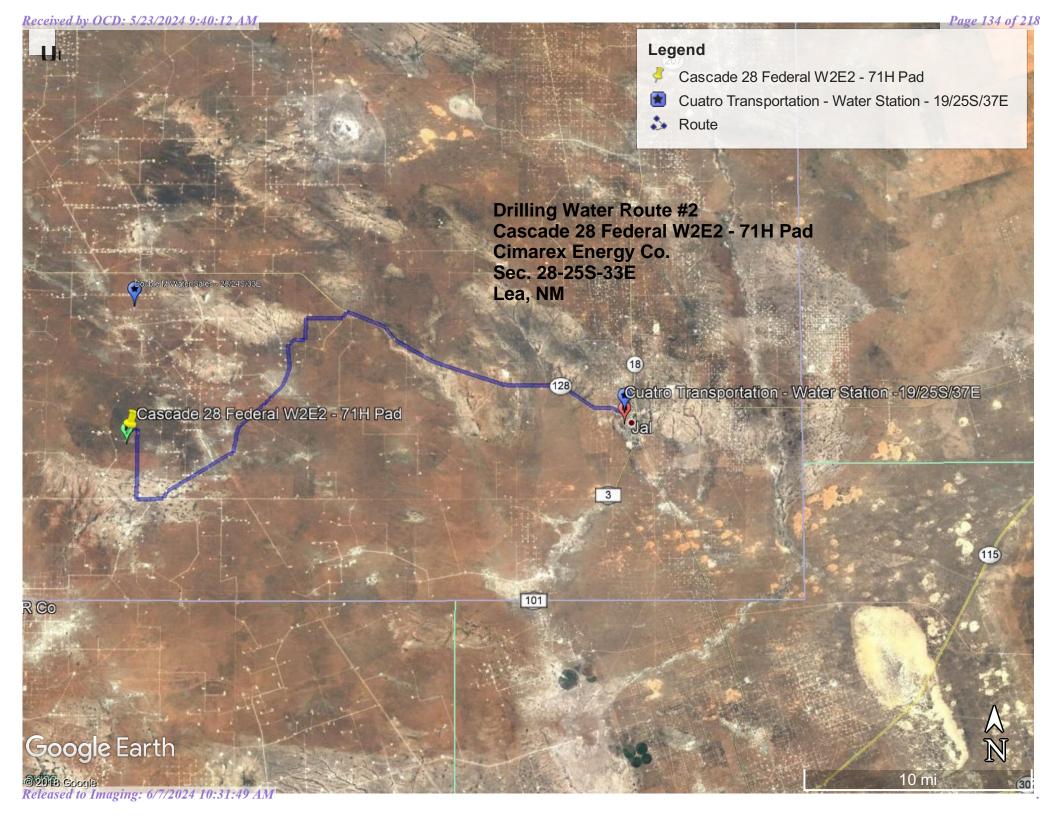


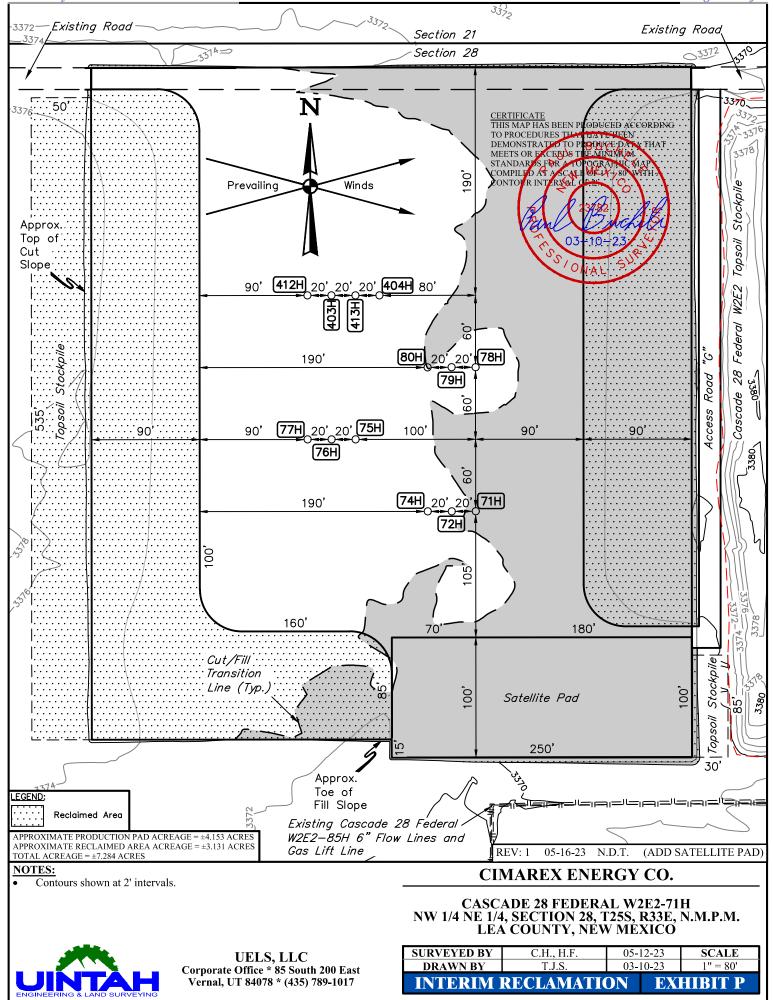
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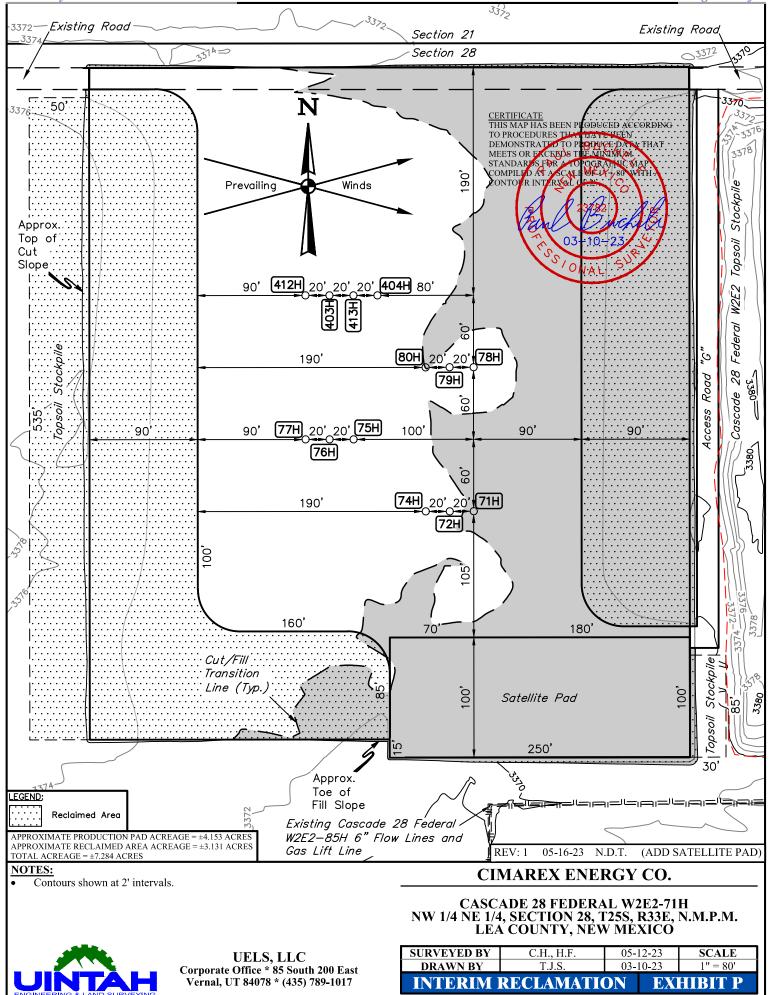


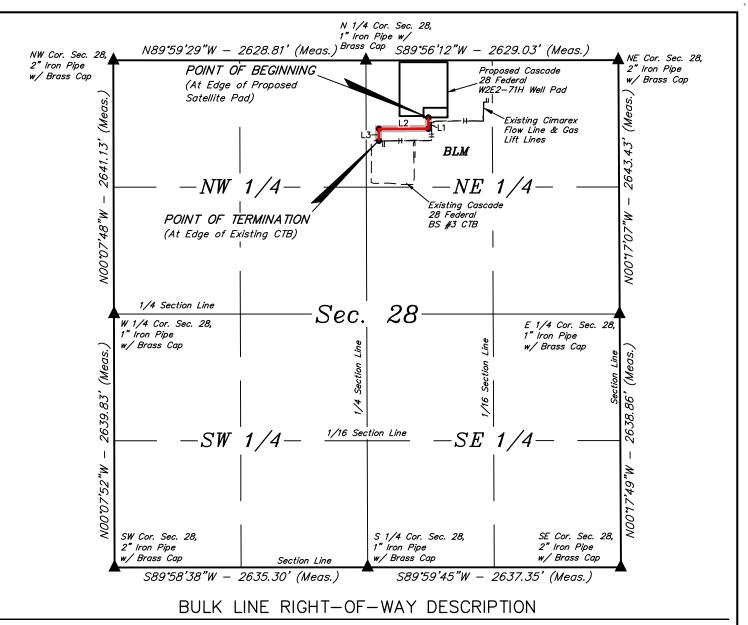
Page 132 of 218











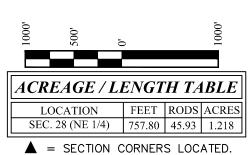
A 70' WIDE RIGHT-OF-WAY 35' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M., FROM WHICH THE NORTHEAST CORNER OF SAID SECTION 28 BEARS N89'56'12"E 2629.03', THENCE S47'36'57"E 881.59' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF BEGINNING; THENCE S00'09'20"E 117.09'; THENCE S89'50'41"W 515.42'; THENCE S00'09'18"E 125.29' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF TERMINATION, WHICH BEARS S09'14'44"E 849.09' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 1.218 ACRES MORE OR LESS.

POINT OF BEGINNING BEARS S47°36'57"E 881.59' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF TERMINATION BEARS S09"14'44"E 849.09' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

LINE TABLE				
LINE	DIRECTION	LENGTH		
L1	S00°09'20"E	117.09'		
L2	S89°50'41"W	515.42'		
L3	S00°09'18"E	125.29'		



70 35' 35' **TYPICAL** RIGHT-OF-WAY **DETAIL**NO SCALE

 \mathbf{N}

CERTIFICATE
THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND THE ACTUAL SURVE IS BASED WERE PER DIRECT SUPERVISION THIS SURVEY: THA MINIMUM STANDAR CROUND UPON WHICH IT BY ME OR UNDER MY AMRESIONSIBLE FOR NG IN NEW CORRECT TO THE MEXICO AND 05 - 17ONAL

sis of Bearings is a Transverse Mercator Projection with a Central Meridian of 103°53'00" (NAD 83) Water bars to be constructed along route every 6' of elevation change



UELS, LLC Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017

CIMAREX ENERGY CO.

CASCADE 28 FEDERAL W2E2-71H ON BLM LANDS IN SECTION 28, T25S, R33E, N.M.P.M. LEA COUNTY, NEW MEXICO

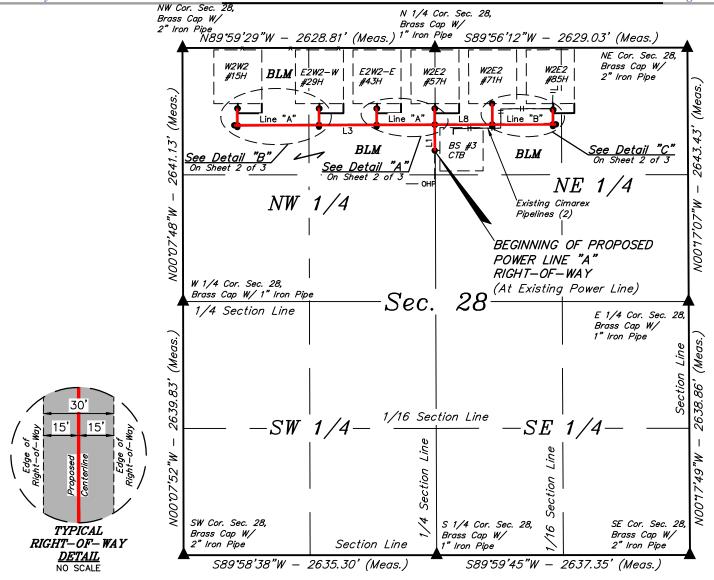
SURVEYED BY	C.H., H.F.	05-12-23	SCALE
DRAWN BY	L.K.	05-17-23	1" = 1000'
FILE	C-6620-A1		

BULK LINE R-O-W

CIMAREX ENERGY CO. CASCADE 28 FEDERAL POWER LINE NETWORK SECTION 28, T25S, R33E, N.M.P.M., LEA COUNTY, NEW MEXICO

DATE:	DESCRIPTION:
6/21/2023	DESCRIPTION: FINAL PLATS





BEGINNING OF POWER LINE "A" BEARS S00'07'04"W 1067.75' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

END OF POWER LINE "A" BEARS S42'28'31"E 852.24' FROM THE NORTHWEST CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

BEGINNING OF POWER LINE "B" BEARS $500^\circ5'30"W$ 798.41' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

END OF POWER LINE "B" BEARS S62'27'27"E 1390.66' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

BEGINNING OF POWER LINE "C" BEARS \$36'49'26"E 995.18' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

END OF POWER LINE "C" BEARS S45'49'11"E 831.29' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

BEGINNING OF POWER LINE "D" BEARS S00"15'30"W 798.41' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

END OF POWER LINE "D" BEARS S00'06'37"E 630.00' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

BEGINNING OF POWER LINE "E" BEARS \$37"12'22"W 1004.66' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

END OF POWER LINE "E" BEARS \$43'44'52"W 871.98' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

BEGINNING OF POWER LINE "F" BEARS \$56"24'30"W 1449.46' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

END OF POWER LINE "F" BEARS S62'21'54"W 1357.76' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

BEGINNING OF POWER LINE "G" BEARS S57'05'41"E 1462.98' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

END OF POWER LINE "G" BEARS S57'45'59"E 1489.89' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

BEGINNING OF POWER LINE "H" BEARS S57'05'41"E 1462.98' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

END OF POWER LINE "H" BEARS S56'30'26"E 1472.85' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

BEGINNING OF POWER LINE "I" BEARS \$36'49'26"E 995.18' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

END OF POWER LINE "I" BEARS S3612'46"E 1009.67' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

BEGINNING OF POWER LINE "J" BEARS \$37'12'22"W 1004.66' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

END OF POWER LINE "J" BEARS \$36'35'31"W 1019.02' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

BEGINNING OF POWER LINE "K" BEARS S56°24'30"W 1449.46' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

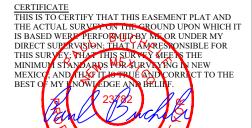
END OF POWER LINE "K" BEARS S55'49'07"W 1459.46' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

BEGINNING OF POWER LINE "L" BEARS \$35'22'08"E 987.01' FROM THE NORTHWEST CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

END OF POWER LINE "L" BEARS \$34'46'31"E 1001.77' FROM THE NORTHWEST CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

BEGINNING OF POWER LINE "M" BEARS \$35°22'08"E 987.01' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

END OF POWER LINE "M" BEARS \$33'49'21"E 968.92' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.



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Sheet 1 of 4

= SECTION CORNERS LOCATED.

NOTES:
Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of 103°53'00" (NAD 83)



UELS, LLC Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017

CIMAREX ENERGY CO.

CASCADE 28 FEDERAL POWER LINE NETWORK
ON BLM LANDS IN
SECTION 28, T25S, R33E, N.M.P.M.
LEA COUNTY, NEW MEXICO

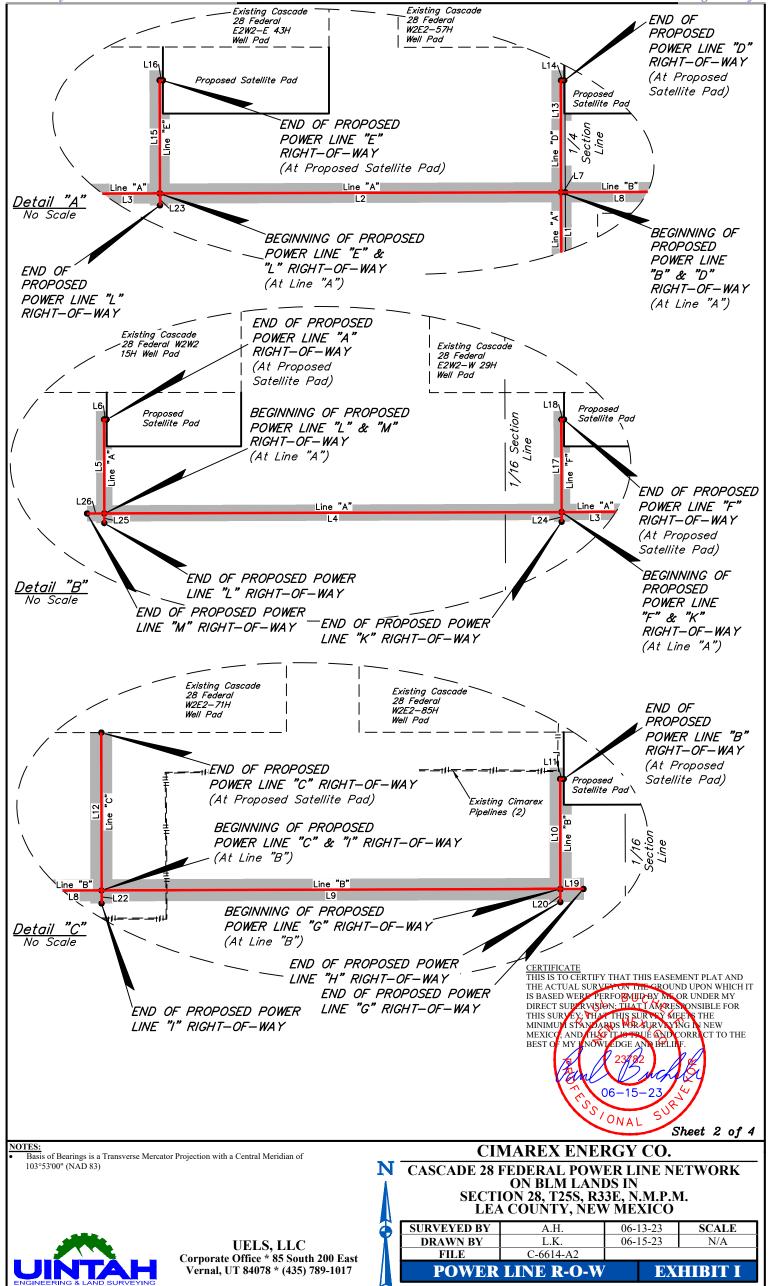
 SURVEYED BY
 A.H.
 06-13-23
 SCALE

 DRAWN BY
 L.K.
 06-15-23
 1" = 1000'

 FILE
 C-6614-A1

POWER LINE R-O-W

EXHIBIT I



POWER LINE "A" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NE 1/4 NW 1/4 OF SECTION 28, T25S, R33E, N.M.P.M., WHICH BEARS S00°07'04"W 1067.75' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28, THENCE NO0°17'54"W 269.36'; THENCE S89°49'52"W 603.90'; THENCE CONTINUING S89°49'52"W 599.91'; THENCE CONTINUING S89°49'52"W 850.09'; THENCE NO0°09'17"W 174.76'; THENCE S89°59'19"E 5.00' TO A POINT IN THE NW 1/4 NW 1/4 OF SAID SECTION 28, WHICH BEARS S42°25'29"E 853.59' FROM THE NORTHWEST CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103°53'00". CONTAINS 1.716 ACRES MORE OR

POWER LINE "B" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NE 1/4 NW 1/4 OF SECTION 28, T25S, R33E, N.M.P.M., WHICH BEARS S00°15'30"W 798.41' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28, THENCE N89°49'52"E 6.40'; THENCE CONTINUING N89°49'52"E 631.80'; THENCE N00°04'52"W 151.71'; THENCE N89°55'52"E 5.00' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 28, WHICH BEARS S62'27'27"E 1390.66' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT—OF—WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103°53'00". CONTAINS 0.956 ACRES MORE OR LESS.

POWER LINE "C" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NE 1/4 OF SECTION 28, T255, R33E, N.M.P.M., WHICH BEARS S36'49'26"E 995.18' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28, THENCE NOO'04'51"W 217.29' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 28, WHICH BEARS S45'49'11"E 831.29' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103"53'00". CONTAINS 0.150 ACRES MORE OR LESS.

"D" RIGHT-OF-WAY DESCRIPTION POWER LINE

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NE 1/4 NW 1/4 OF SECTION 28, T25S, R33E, N.M.P.M., WHICH BEARS S00°15'30"W 798.41' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28, THENCE N00°03'49"W 168.39'; THENCE N89°56'34"E 5.00' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 28, WHICH BEARS S00°06'37"E 630.00' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103°53'00". CONTAINS 0.112 ACRES MORE OR LESS.

POWER LINE "E" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE

BEGINNING AT A POINT IN THE NE 1/4 NW 1/4 OF SECTION 28, T25S, R33E, N.M.P.M., WHICH BEARS S3712'22"W 1004.66' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28, THENCE NO0'09'17"W 170.27'; THENCE S89'59'19"E 5.00' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 28, WHICH BEARS S43'44'52"W 871.98' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103°53'00". CONTAINS 0.121 ACRES

POWER LINE "F" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NE 1/4 NW 1/4 OF SECTION 28, T25S, R33E, N.M.P.M., WHICH BEARS S56"24"30"W 1449.46' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28, THENCE NOO"09"17"W 172.17'; THENCE N90"00"00"E 5.00' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 28, WHICH BEARS S62"21"54"W 1357.76' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT—OF—WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103"53"00". CONTAINS 0.122 ACRES MORE OR LESS.

POWER LINE "G" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NE 1/4 OF SECTION 28, T25S, R33E, N.M.P.M., WHICH BEARS S57"05"41"E 1462.98" FROM THE NORTH 1/4 CORNER OF SAID SECTION 28, THENCE N89"49"52"E 32.00" TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 28, WHICH BEARS S57"45"59"E 1489.89" FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT—OF—WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103"53"300". CONTAINS 0.022 ACRES MORE OR LESS.

POWER LINE "H" RIGHT—OF—WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NE 1/4 OF SECTION 28, T25S, R33E, N.M.P.M., WHICH BEARS S57'05'41"E 1462.98' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28, THENCE SO0'04'52"E 18.00' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 28, WHICH BEARS S56'30'26"E 1472.85' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103'53'00". CONTAINS 0.012 ACRES MORE OR LESS.

POWER LINE "I" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NE 1/4 OF SECTION 28, T25S, R33E, N.M.P.M., WHICH BEARS S36'49'26"E 995.18' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28, THENCE SOO'04'51"E 18.00' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 28, WHICH BEARS S36'12'46"E 1009.67' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103'53'00". CONTAINS 0.012 ACRES MORE OR LESS.

POWER LINE "J" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE

BEGINNING AT A POINT IN THE NE 1/4 NW 1/4 OF SECTION 28, T25S, R33E, N.M.P.M., WHICH BEARS \$37"12'22"W 1004.66' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28, THENCE \$00"09"17"E 18.00' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 28, WHICH BEARS \$36"35"31"W 1019.02' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103"53"00". CONTAINS 0.012 ACRES MORE OR LESS.

CERTIFICATE
THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND
THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT
IS BASED WERP PERFORMED BY MS OR UNDER MY
DIRECT SUPPRISON: THAT I AMPRESSONSIBLE FOR
THIS SURVEY, THAT THIS SURVEY MEETS THE
MINIMUM STANDARDS FOR SURVEYING IN NEW
MEXICG: AND THAT IT STRUE AND CORRICT TO THE
BEST OF MY INOWIGED AND BELIEF.

06-15-23

SIONAL

Sheet 3 of 4

Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of 103°53'00" (NAD 83)

CIMAREX ENERGY CO.

CASCADE 28 FEDERAL POWER LINE NETWORK ON BLM LANDS IN SECTION 28, T25S, R33E, N.M.P.M. LEA COUNTY, NEW MEXICO

SURVEYED BY A.H. 06-13-23 SCALE 06-15-23 DRAWN BY C-6614-A3 FILE POWER LINE R-O-W EXHIBIT



POWER LINE "K" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NE 1/4 NW 1/4 OF SECTION 28, T25S, R33E, N.M.P.M., WHICH BEARS S56"24"30"W 1449.46' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28, THENCE S00"09"17"E 18.00' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 28, WHICH BEARS S55"49"07"W 1459.46' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103"53"00". CONTAINS 0.012 ACRES MORE OR LESS.

POWER LINE "L" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NW 1/4 OF SECTION 28, T25S, R33E, N.M.P.M., WHICH BEARS S35'22'08"E 987.01' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28, THENCE S00'09'17"E 18.00' TO A POINT IN THE NW 1/4 NW 1/4 OF SAID SECTION 28, WHICH BEARS S34'46'31"E 1001.77' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103'53'00". CONTAINS 0.012 ACRES MORE OR LESS.

"M" RIGHT-OF-WAY DESCRIPTION POWER LINE

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NW 1/4 OF SECTION 28, T25S, R33E, N.M.P.M., WHICH BEARS S35"22'08"E 987.01' FROM THE NORTHWEST CORNER OF SAID SECTION 28, THENCE S89"49"52"W 32.00' TO A POINT IN THE NW 1/4 NW 1/4 OF SAID SECTION 28, WHICH BEARS S33"49'21"E 968.92' FROM THE NORTHWEST CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103"53"00". CONTAINS 0.022 ACRES MORE OR LESS.

ACREAGE / LENGTH TABLE "A"						
OWNERSHIP FEET RODS ACRES						
SEC. 28 (NW 1/4)	BLM	2503.02	151.70	1.658		
SEC. 28 (NE 1/4)	BLM	N/A	N/A	0.058		
TOTAL 2503.			151.70	1.716		

ACREAGE / LENGTH TABLE - "G"						
	OWNERSHIP	FEET	RODS	ACRES		
SEC. 28 (NE 1/4)	BLM	32.00	1.94	0.022		

ACREAGE / LENGTH TABLE "B"						
	OWNERSHIP FEET RODS ACRES					
SEC. 28 (NW 1/4)	BLM	6.40	0.39	0.004		
SEC. 28 (NE 1/4) BLM 1382.18 83.77 0.95						
TOTA	L	1388.58	84.16	0.956		

ACKEAGE / LENGIH TABLE - "H"						
OWNERSHIP FEET RODS ACRES						
SEC. 28 (NW 1/4) BLM 18.00 1.09 0.012						

DE ACE / LENCTH TADEE

ACREAGE / LENGTH TABLE - "C"						
	OWNERSHIP	FEET	RODS	ACRES		
SEC. 28 (NE 1/4)	BLM	217.29	13.17	0.150		

ACREAGE / LENGTH TABLE - "I"							
OWNERSHIP FEET RODS ACRE							
SEC. 28 (NW 1/4)	BLM	18.00	1.09	0.012			

ACREAGE / LENGTH TABLE "D"						
	OWNERSHIP	FEET	RODS	ACRES		
SEC. 28 (NW 1/4)	BLM	173.39	10.51	0.088		
SEC. 28 (NE 1/4)	BLM	N/A	N/A	0.024		

ACREAGE / LENGTH TABLE - "J"				
	OWNERSHIP	FEET	RODS	ACRES
SEC. 28 (NW 1/4)	BLM	18.00	1.09	0.012

ACKEAGE / LENGTH TABLE D				
	OWNERSHIP	FEET	RODS	ACRES
SEC. 28 (NW 1/4)	BLM	173.39	10.51	0.088
SEC. 28 (NE 1/4)	BLM	N/A	N/A	0.024
TOTAL		173.39	10.51	0.112
· ·				

ACREAGE A	/ LENGTH TA	BLE -	"K"	
	OWNERSHIP	FEET	RODS	ACRES
SEC. 28 (NW 1/4)	BLM	18.00	1.09	0.012

ACREAGE / LENGTH TABLE - "E"				
	OWNERSHIP	FEET	RODS	ACRES
SEC. 28 (NW 1/4)	BLM	175.27	10.62	0.121

ACREAGE .	/ LENGTH TA	BLE -	· "L"	
	OWNERSHIP	FEET	RODS	ACRES
SEC. 28 (NW 1/4)	BLM	18.00	1.09	0.012

ACREAGE / LENGTH TABLE - "F"				
	OWNERSHIP	FEET	RODS	ACRES
SEC. 28 (NW 1/4)	BLM	177.17	10.74	0.122

ACREAGE /	LENGTH TA	BLE -	"M"	'
	OWNERSHIP	FEET	RODS	ACRES
SEC. 28 (NE 1/4)	BLM	32.00	1.94	0.022

LINE TABLE			LINE TABLE		
LINE	DIRECTION	LENGTH	LINE	DIRECTION	LENGTH
L1	N00°17'54"W	269.36'	L14	N89°56'34"E	5.00'
L2	S89*49'52"W	603.90'	L15	N00°09'17"W	170.27
L3	S89*49'52"W	599.91'	L16	S89°59'19"E	5.00'
L4	S89°49'52"W	850.09'	L17	N00°09'17"W	172.17
L5	N00°09'17"W	174.76'	L18	N90°00'00"E	5.00'
L6	S89*59'19"E	5.00'	L19	N89*49'52"E	32.00'
L7	N89°49'52"E	6.40'	L20	S00°04'52"E	18.00'
L8	N89°49'52"E	593.67	L22	S00°04'51"E	18.00'
L9	N89°49'52"E	631.80'	L23	S00°09'17"E	18.00'
L10	N00°04'52"W	151.71'	L24	S00°09'17"E	18.00'
L11	N89*55'52"E	5.00'	L25	S00°09'17"E	18.00'
L12	N00°04'51"W	217.29'	L26	S89*49'52"W	32.00'
L13	N00°03'49"W	168.39'			

CERTIFICATE
THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND
THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT
IS BASED WERP PERFORMED BY ME OR UNDER MY
DIRECT SUPPLIES OF THE TAY OF THE FOR
THIS SURVEY, THE THIS SURVEY MEETS THE
MINIMUM STANDARDS WERE SURVEYING IN NEW
MEXICO, AND THAT IT IS THE AND CORRECT TO THE

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Sheet 4 of 4

Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of 103°53'00" (NAD 83)

CIMAREX ENERGY CO.

CASCADE 28 FEDERAL POWER LINE NETWORK ON BLM LANDS IN SECTION 28, T25S, R33E, N.M.P.M. LEA COUNTY, NEW MEXICO

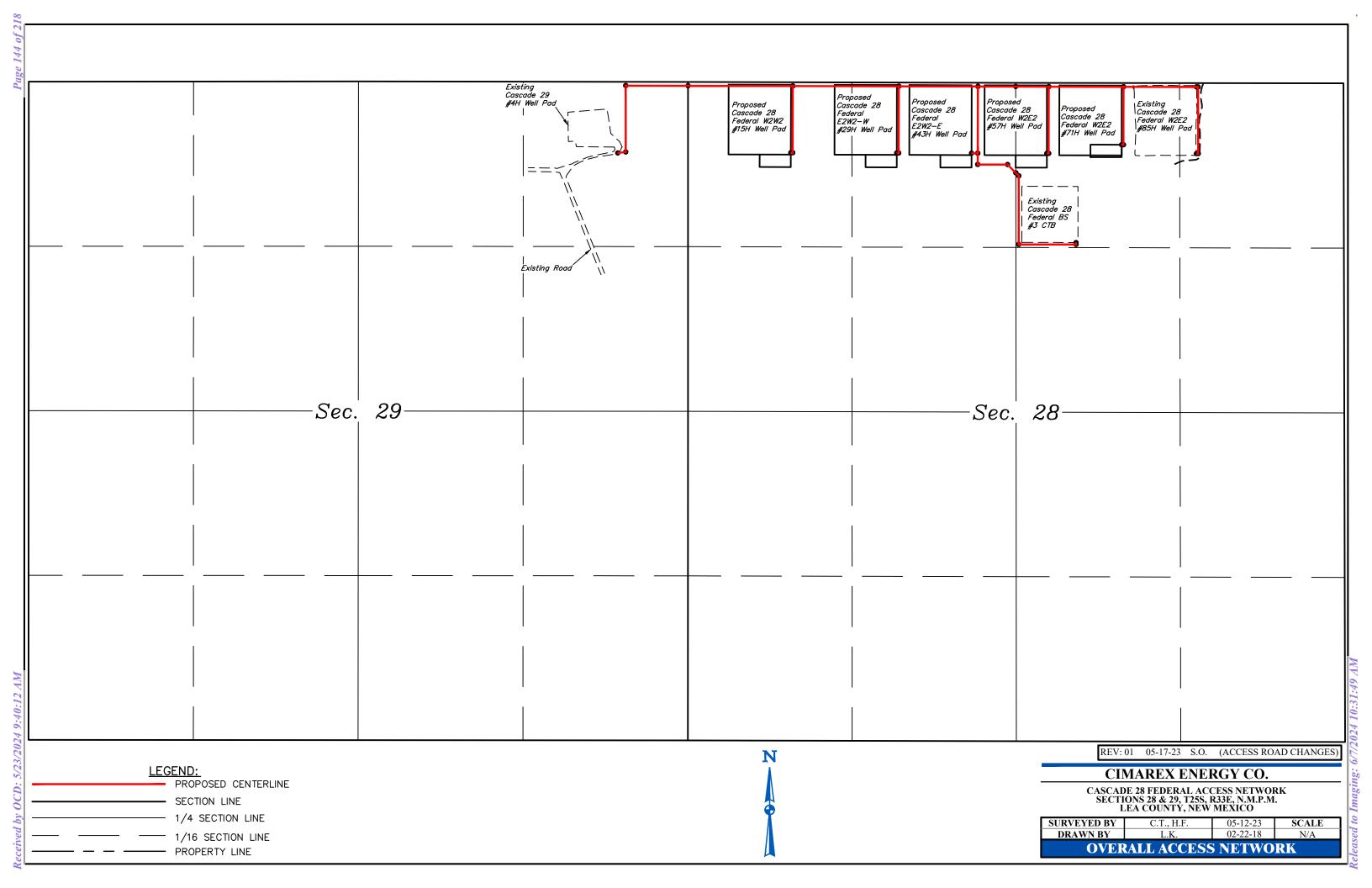
SURVEYED BY A.H. 06-13-23 SCALE 06-15-23 DRAWN BY C-6614-A4 FILE POWER LINE R-O-W EXHIBIT

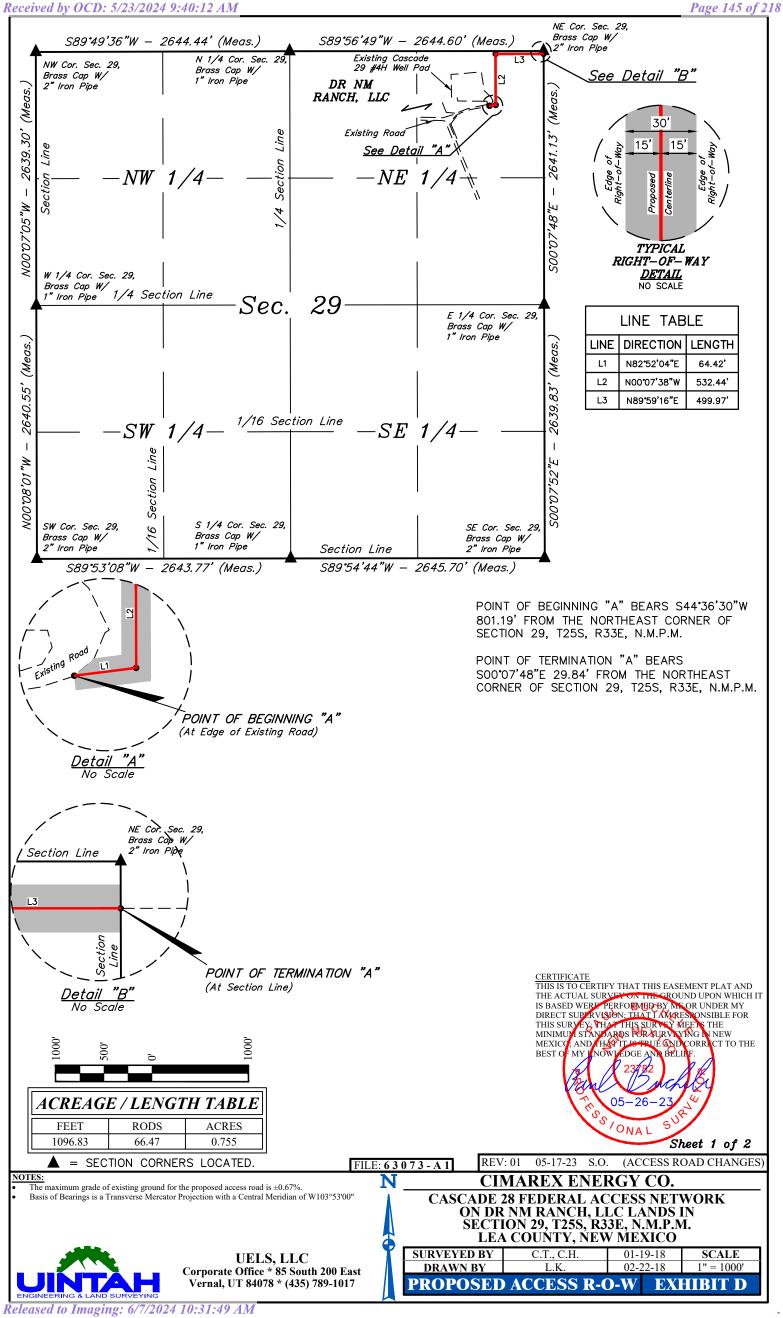


CIMAREX ENERGY CO. CASCADE 28 FEDERAL ACCESS NETWORK SECTIONS 28 & 29, T25S, R33E, N.M.P.M. LEA COUNTY, NEW MEXICO

DATE:	DESCRIPTION:
3/1/2018	FINAL PLATS
5/25/2023	ACCESS ROAD RE-ROUTE







ACCESS ROAD "A" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTHEAST CORNER OF SECTION 29, T25S, R33E, N.M.P.M., FROM WHICH THE NORTH 1/4 CORNER OF SAID SECTION 29 BEARS S89'56'49"W 2644.60', THENCE S44'36'30"W 801.19' TO A POINT IN THE NE 1/4 NE 1/4 OF SAID SECTION 29 AND THE POINT OF BEGINNING; THENCE N82°52'04"E 64.42"; THENCE N00°07'38"W 532.44"; THENCE N89°59'16"E 499.97' TO A POINT ON THE EAST LINE OF THE NE 1/4 NE 1/4 OF SAID SECTION 29 AND THE POINT OF TERMINATION, WHICH BEARS S00°07'48"E 29.84' FROM THE NORTHEAST CORNER OF SAID SECTION 29. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 0.755 ACRES MORE OR LESS.

> CERTIFICATE
> THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND
> THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT
> IS BASED WERE PERFORMED BY ME OR UNDER MY
> DIRECT SUPPRYISION: THAT I AMARENDONSIBLE FOR
> THIS SURVEY, THAT THIS SURVEY MEET THE
> MINIMUM STANDARDS FOR SURVEYING IN NEW
> MEXICG: AND THAT IT IS TRUE AND CORRECT TO THE 05 - 26SIONAL

Sheet 2 of 2

FILE: 63073-A2

REV: 01 05-17-23 S.O. (ACCESS ROAD CHANGES)

NOTES:

CIMAREX ENERGY CO.

CASCADE 28 FEDERAL ACCESS NETWORK ON DR NM RANCH, LLC LANDS IN SECTION 29, T25S, R33E, N.M.P.M. LEA COUNTY, NEW MEXICO

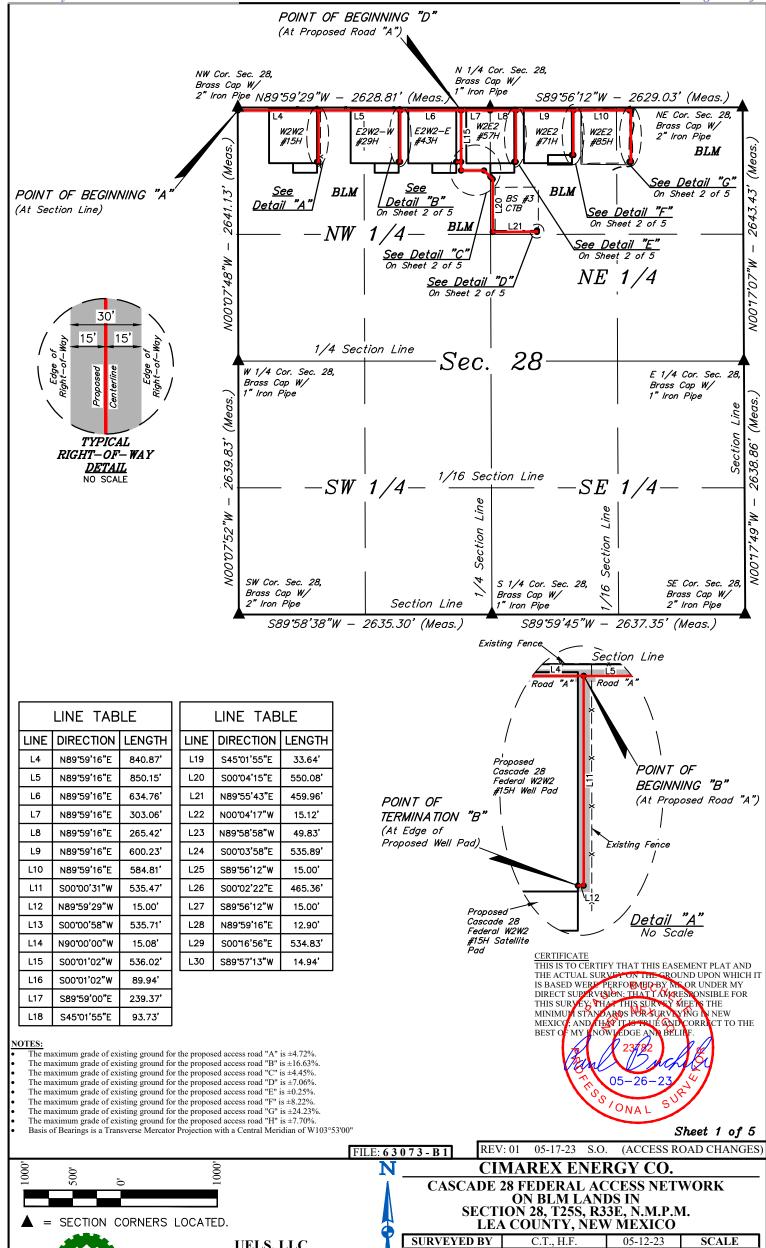
SURVEYED BY C.T., C.H. 01-19-18 **SCALE** PROPOSED ACCESS R-O-W **EXHIBIT D**

UELS, LLC Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017

02-22-18

1'' = 1000'

EXHIBIT D

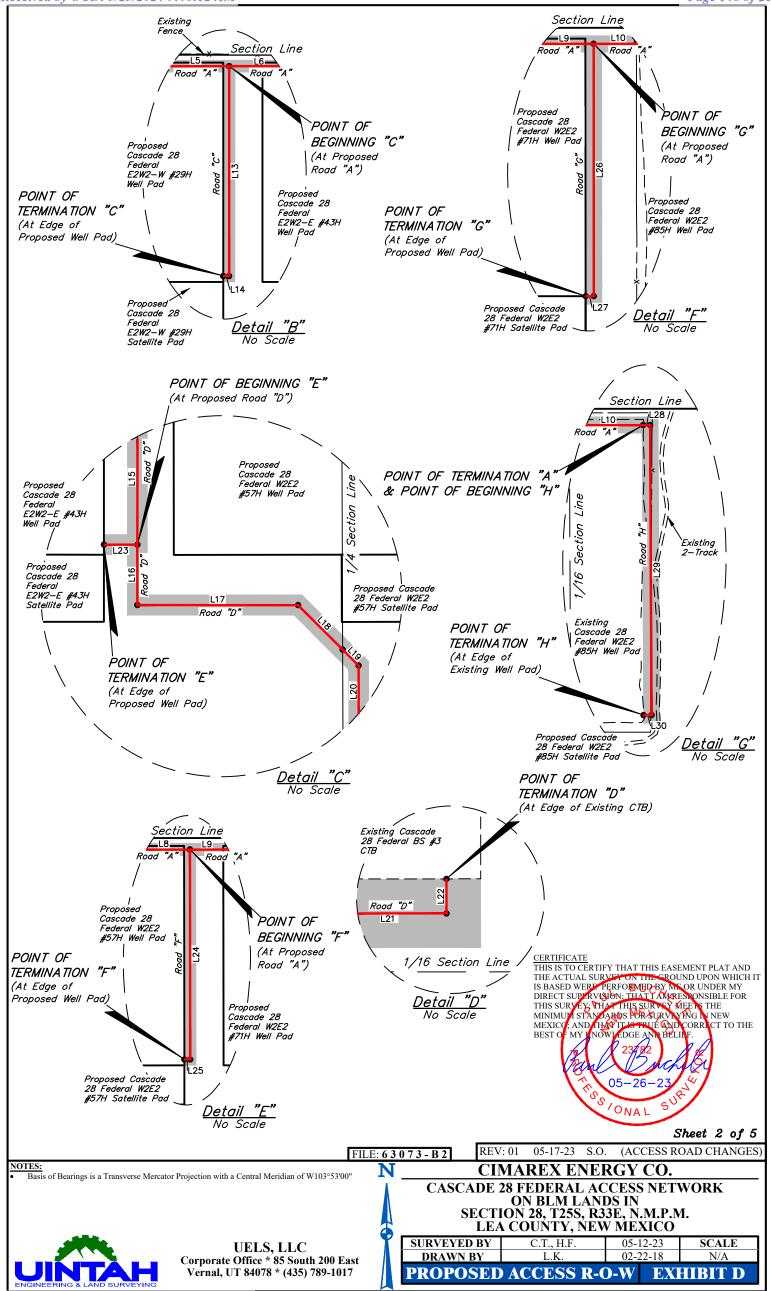


UELS, LLC

Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017

DRAWN BY

PROPOSED ACCESS R-O-W



POINT OF BEGINNING "A" BEARS S00'07'48"E 29.84' FROM THE NORTHWEST CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF TERMINATION "A" BEARS S88'28'14"W 1178.88' FROM THE NORTHEAST CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF BEGINNING "B" BEARS S87°58'49"E 841.46' FROM THE NORTHWEST CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF TERMINATION "B" BEARS S55'37'00"E 1000.70' FROM THE NORTHWEST CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF BEGINNING "C" BEARS S8813'27"W 938.17' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF TERMINATION "C" BEARS S59'20'47"W 1107.74' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF BEGINNING "D" BEARS S84°32'38"W 304.34' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF TERMINATION "D" BEARS \$20°50'15"E 1368.90' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF BEGINNING "E" BEARS S2812'55"W 641.14' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF TERMINATION "E" BEARS S31°59'42"W 666.14' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF BEGINNING "F" BEARS S83°48'22"E 267.08' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF TERMINATION "F" BEARS \$23*58'32"E 618.05' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF BEGINNING "G" BEARS S88°06'08"E 866.22' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF TERMINATION "G" BEARS S59*51'51"E 984.08' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF BEGINNING "H" BEARS S88°28'14"W 1178.88' FROM THE NORTHEAST CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF TERMINATION "H" BEARS S64*19'22"W 1306.94' FROM THE NORTHEAST CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

ACREAGE / LENGTH TABLE "A"				
LOCATION	FEET	RODS	ACRES	
SEC. 28 (NW 1/4)	2628.84	159.32	1.810	
SEC. 28 (NE 1/4)	1450.46	87.91	0.999	
TOTAL	4079.30	247.23	2.809	

ACREAGE / LENGTH TABLE "B"						
LOCATION FEET RODS ACRES						
SEC. 28 (NW 1/4)						

ACREAGE / LENGTH TABLE "C"					
LOCATION FEET RODS ACRES					
SEC. 28 (NW 1/4)					

ACREAGE / LENGTH TABLE "D"			
LOCATION	FEET	RODS	ACRES
SEC. 28 (NW 1/4)	959.06	58.12	0.661
SEC. 28 (NE 1/4)	1058.80	64.17	0.729
TOTAL	2017.86	122.29	1.390

ACREAGE / LENGTH TABLE "E"					
LOCATION	LOCATION FEET RODS ACRES				
SEC. 28 (NW 1/4) 49.83 3.02 0.034					

ACREAGE / LENGTH TABLE "F"				
LOCATION FEET RODS ACRES				
SEC. 28 (NE 1/4)	550.89	33.39	0.379	

ACREAGE / LENGTH TABLE "G"				
LOCATION FEET RODS ACRES				
SEC. 28 (NE 1/4)	480.36	29.11	0.331	

ACREAGE / LENGTH TABLE "H"			
LOCATION	FEET	RODS	ACRES
SEC. 28 (NE 1/4)	562.67	34.10	0.388

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THIS SURVEY, THAT THIS SURVEY MEETS THE
MINIMUM STANDARDS FOR SURVEYING IN NEW
MEXICO, AND THAY IT IS THE AND CORRICT TO THE
BEST OF MY INOWLEDGE AND BELLIN.

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Sheet 3 of 5

FILE: 63073-B3 NOTES:

Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

REV: 01 05-17-23 S.O. (ACCESS ROAD CHANGES)

CIMAREX ENERGY CO.

CASCADE 28 FEDERAL ACCESS NETWORK ON BLM LANDS IN SECTION 28, T25S, R33E, N.M.P.M. LEA COUNTY, NEW MEXICO

SURVEYED BY C.T., H.F. 05-12-23 **SCALE** PROPOSED ACCESS R-O-W **EXHIBIT D**

UELS, LLC Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017

ACCESS ROAD "A" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTHWEST CORNER OF SECTION 28, T25S, R33E, N.M.P.M., FROM WHICH THE WEST 1/4 CORNER OF SAID SECTION 28 BEARS S00°07'48"E 2641.13', THENCE S00°07'48"E 29.84' ALONG THE WEST LINE OF THE NW 1/4 NW 1/4 OF SAID SECTION 28 TO THE POINT OF BEGINNING; THENCE N89°59'16"E 840.87'; THENCE CONTINUING N89°59'16"E 850.15'; THENCE CONTINUING N89°59'16"E 303.06' TO A POINT ON THE EAST LINE OF THE NE 1/4 NW 1/4 OF SAID SECTION 28; THENCE CONTINUING N89°59'16"E 265.42'; THENCE CONTINUING N89'59'16"E 600.23'; THENCE CONTINUING N89'59'16"E 584.81' TO A POINT IN THE NE 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF TERMINATION, WHICH BEARS S88'28'14"W 1178.88' FROM THE NORTHEAST CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 2.809 ACRES MORE OR LESS.

ACCESS ROAD "B" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE

COMMENCING AT THE NORTHWEST CORNER OF SECTION 28, T25S, R33E, N.M.P.M., FROM WHICH THE WEST 1/4 CORNER OF SAID SECTION 28 BEARS S00°07'48"E 2641.13', THENCE S87°58'49"E 841.46' TO A POINT IN THE NW 1/4 NW 1/4 OF SAID SECTION 28 AND THE POINT OF BEGINNING; THENCE S00'00'31"W 535.47'; THENCE N89'59'29"W 15.00' TO A POINT IN THE NW 1/4 NW 1/4 OF SAID SECTION 28 AND THE POINT OF TERMINATION, WHICH BEARS S55'37'00"E 1000.70' FROM THE NORTHWEST CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 0.379 ACRES MORE OR LESS.

ACCESS ROAD "C" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M., FROM WHICH THE NORTHWEST CORNER OF SAID SECTION 28 BEARS N89°59'29"W 2628.81', THENCE S88°13'27"W 938.17' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 28 AND THE POINT OF BEGINNING; THENCE S00°00'58"W 535.71'; THENCE N90°00'00"W 15.08' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 28 AND THE POINT OF TERMINATION, WHICH BEARS S59'20'47"W 1107.74' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 0.379 ACRES MORE OR LESS.

ACCESS ROAD "D" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M., FROM WHICH THE NORTHWEST CORNER OF SAID SECTION 28 BEARS N89'59'29"W 2628.81', THENCE S84'32'38"W 304.34' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 28 BEARS NO9 39 29 W 2028.81, THENCE 384 32 38 W 304.34 TO A FOINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 28 AND THE POINT OF BEGINNING; THENCE S00°01'02"W 536.02'; THENCE CONTINUING S00°01'02"W 89.94'; THENCE S89°59'00"E 239.37'; THENCE S45°01'55"E 93.73' TO A POINT ON THE EAST LINE OF THE NE 1/4 NW 1/4 OF SAID SECTION 28; THENCE CONTINUING S45°01'55"E 33.64'; THENCE S00°04'15"E 550.08'; THENCE N89°55'43"E 459.96'; THENCE N00°04'17"W 15.12' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF TERMINATION, WHICH BEARS \$20°50'15"E 1368.90' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 1.390 ACRES MORE OR LESS.

ACCESS ROAD "E" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M., FROM WHICH THE NORTHWEST CORNER OF SAID SECTION 28 BEARS N89°59'29"W 2628.81', THENCE S28°12'55"W 641.14' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 28 AND THE POINT OF BEGINNING; THENCE N89'58'58"W 49.83' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 28 AND THE POINT OF TERMINATION, WHICH BEARS S31'59'42"W 666.14' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 0.034 ACRES MORE OR LESS.

> CERTIFICATE
> THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND
> THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT
> IS BASED WERP PERFORMED BY MS OR UNDER MY
> DIRECT SUPPRYISION: THAT I AWRES PONSIBLE FOR
> THIS SURVEY, THAT THIS SURVEY MEETS THE
> MINIMUM STANDARDS FOR SURVEYING IN NEW
> MEXICO: AND HEST THE AND CORRECT TO THE
> BEST OF MY LNOWLEDGE AND BELLIF. 05-26

> > Sheet 4 of 5

FILE: 63073-B4

REV: 01 05-17-23 S.O. (ACCESS ROAD CHANGES)

ONAL

NOTES:
Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

CIMAREX ENERGY CO.

CASCADE 28 FEDERAL ACCESS NETWORK ON BLM LANDS IN SECTION 28, T25S, R33E, N.M.P.M. LEA COUNTY, NEW MEXICO

SURVEYED BY C.T., H.F. 05-12-23 **SCALE** 02-22-18 DRAWN BY 1'' = 1000'PROPOSED ACCESS R-O-W **EXHIBIT D**

Vernal, UT 84078 * (435) 789-1017

UELS, LLC

Corporate Office * 85 South 200 East

ACCESS ROAD "F" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M., FROM WHICH THE NORTHEAST CORNER OF SAID SECTION 28 BEARS N89'56'12"E 2629.03', THENCE N83'48'22"W 267.08' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF BEGINNING; THENCE S00'03'58"E 535.89'; THENCE S89'56'12"W 15.00' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF TERMINATION, WHICH BEARS S23'58'32"E 618.05' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 0.379 ACRES MORE OR LESS.

ACCESS ROAD "G" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M., FROM WHICH THE NORTHEAST CORNER OF SAID SECTION 28 BEARS N89°56'12"E 2629.03', THENCE S88°06'08"E 866.22' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF BEGINNING; THENCE S00°02'22"E 465.36'; THENCE S89°56'12"W 15.00' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF TERMINATION, WHICH BEARS S59*51'51"E 984.08' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 0.331 ACRES MORE OR LESS.

ACCESS ROAD "H" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTHEAST CORNER OF SECTION 28, T25S, R33E, N.M.P.M., FROM WHICH THE NORTH 1/4 CORNER OF SAID SECTION 28 BEARS S89*56'12"W 2629.03', THENCE S88*28'14"W 1178.88' TO A POINT IN THE NE 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF BEGINNING; THENCE N89°59'16"E 12.90'; THENCE S00°16'56"E 534.83'; THENCE S89°57'13"W 14.94' TO A POINT IN THE NE 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF TERMINATION, WHICH BEARS S64°19'22"W 1306.94' FROM THE NORTHEAST CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 0.388 ACRES MORE OR LESS.

> CERTIFICATE
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> DIRECT SUPPRIVISION: THAT I AMPRESSONSIBLE FOR
> THIS SURVEY, THAT THIS SURVEY MEETS THE
> MINIMUM STANDARDS FOR SURVEYING IN NEW UP EXTENSION: THAT I AMEN YEY; THAT THIS SURVEY A I STANDARDS FOR SURVE AND THAT IT IS TRUE AND MY KNOW LEDGE AND BELL NG IN NEW CORRECT TO THE

> > Sheet 5 of 5

FILE: 63073-B5

REV: 01 05-17-23 S.O. (ACCESS ROAD CHANGES)

05-26

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NOTES:

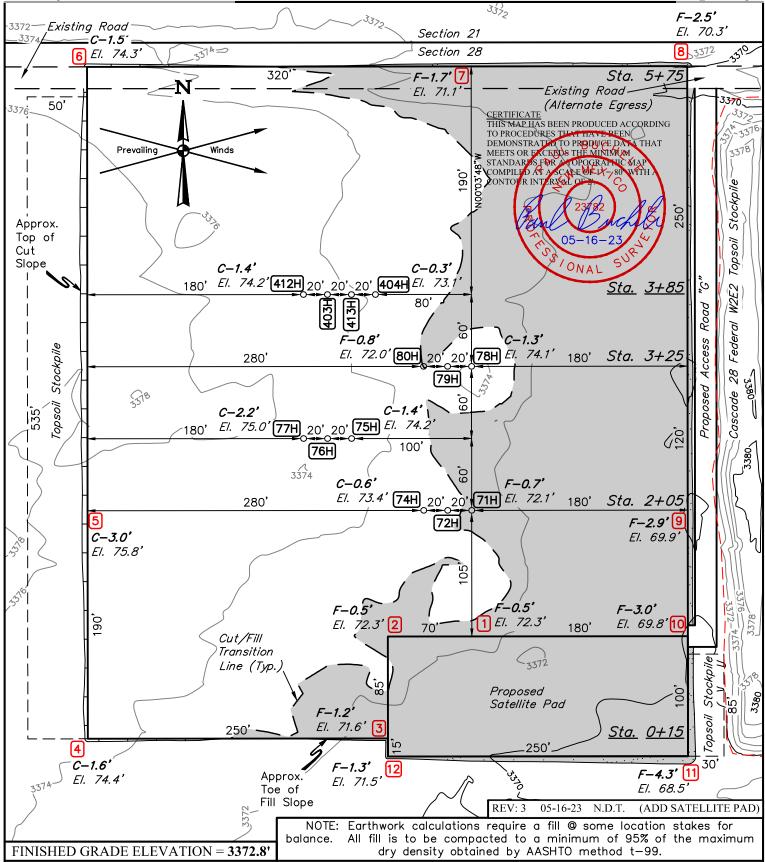
Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

CIMAREX ENERGY CO.

CASCADE 28 FEDERAL ACCESS NETWORK ON BLM LANDS IN SECTION 28, T25S, R33E, N.M.P.M. LEA COUNTY, NEW MEXICO

SURVEYED BY C.T., H.F. 05-12-23 **SCALE** 02-22-18 1'' = 1000'PROPOSED ACCESS R-O-W **EXHIBIT D**

UELS, LLC Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017



NOTES:

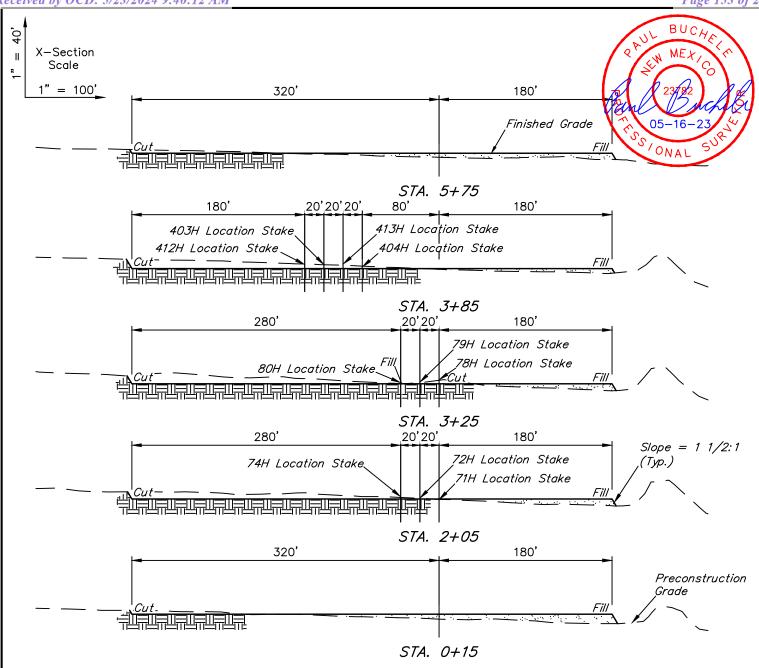
- Contours shown at 2' intervals.
- Cut/Fill slopes 1 1/2:1 (Typ.)
- Underground utilities shown on this sheet are for visualization purposes only, actual locations to be determined prior to construction.



UELS, LLC Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017

CIMAREX ENERGY CO.

SURVEYED BY	C.H., H.F.	05-1	12-23	SCALE
DRAWN BY	S.F.	01-2	25-18	1" = 80'
LOCATI	ON LAYOUT		EX	HIBIT J



APPROXIMATE EARTHWORK QUANTITIES			
(4") TOPSOIL STRIPPING	3,590 Cu. Yds.		
REMAINING LOCATION	8,700 Cu. Yds.		
TOTAL CUT	12,290 Cu. Yds.		
FILL	8,700 Cu. Yds.		
EXCESS MATERIAL	3,590 Cu. Yds.		
TOPSOIL	3,590 Cu. Yds.		
EXCESS UNBALANCE (After Interim Rehabilitation)	0 Cu. Yds.		

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
WELL SITE DISTURBANCE	NA	±7.284
70' WIDE BULK LINE R-O-W DISTURBANCE	±757.80'	±1.218
TOTAL SURFACE USE AREA		±8.502

REV: 3 05-16-23 N.D.T. (ADD SATELLITE PAD)

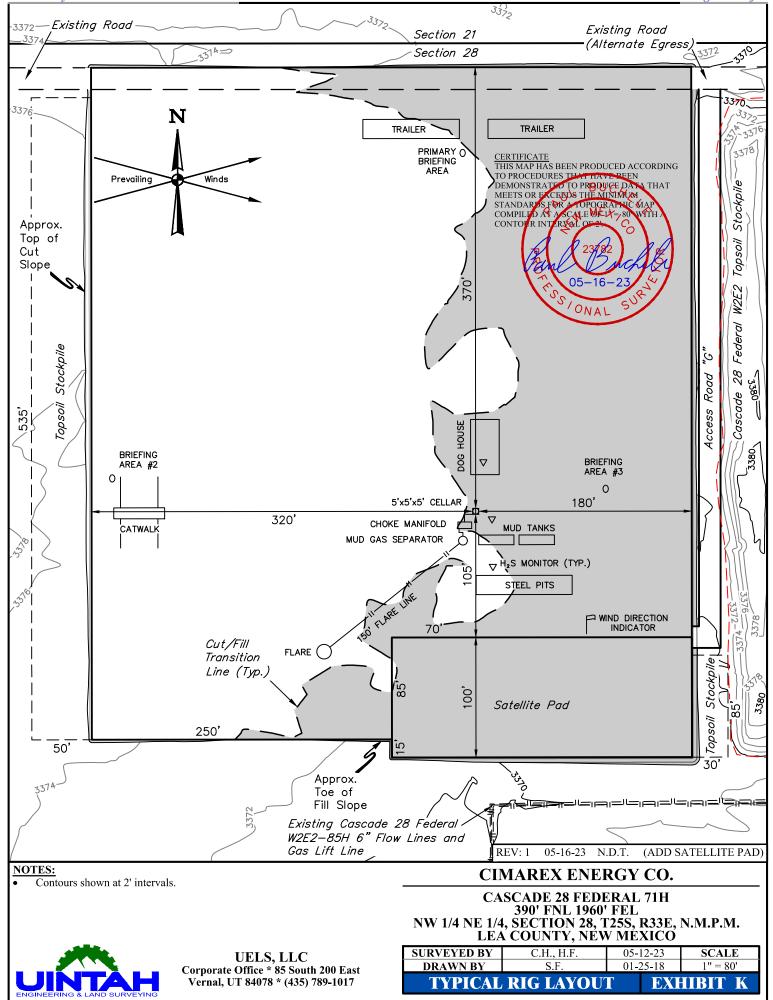
NOTES:

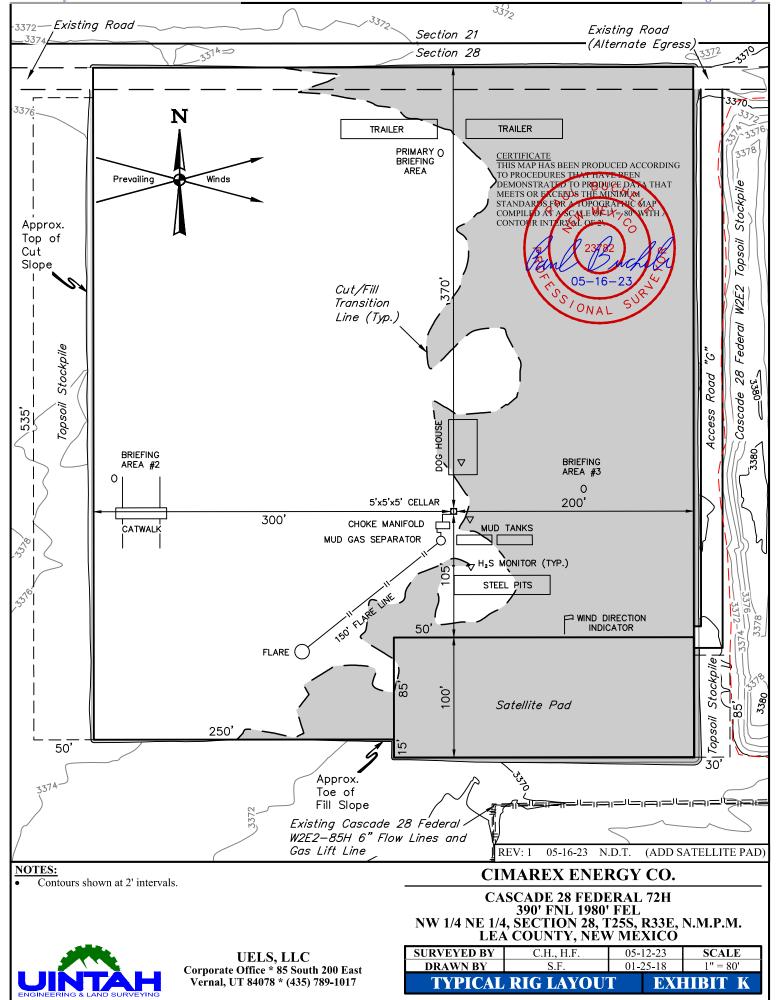
- Fill quantity includes 5% for compaction.
- Cut/Fill slopes 1 1/2:1 (Typ. except where noted)

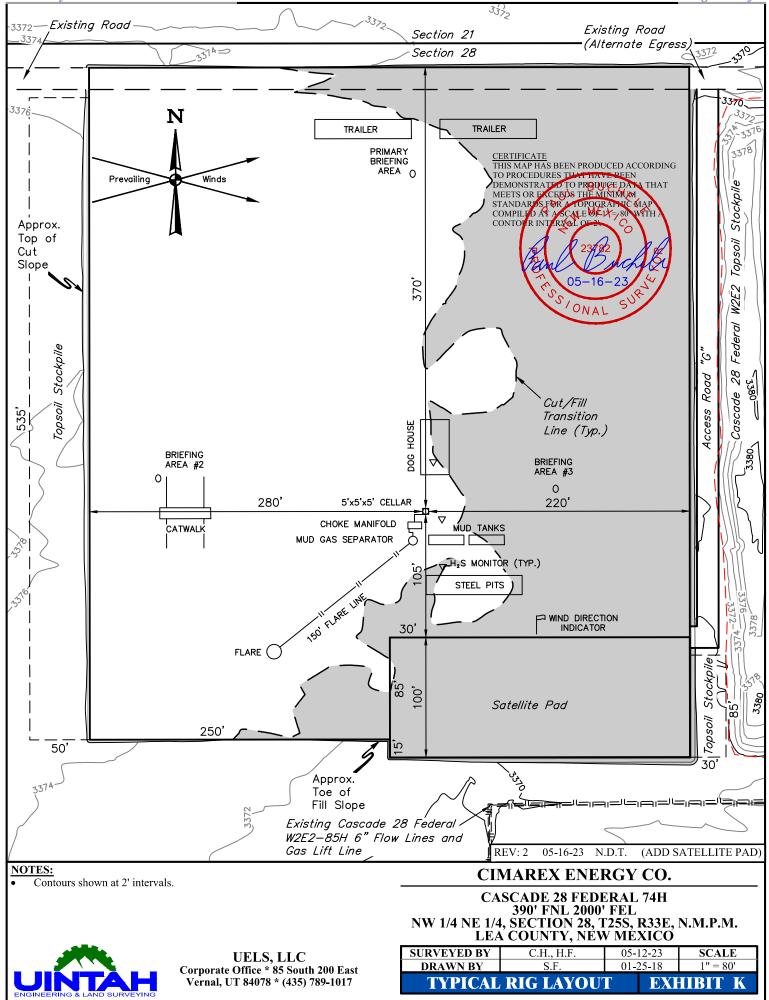
UELS, LLC Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017

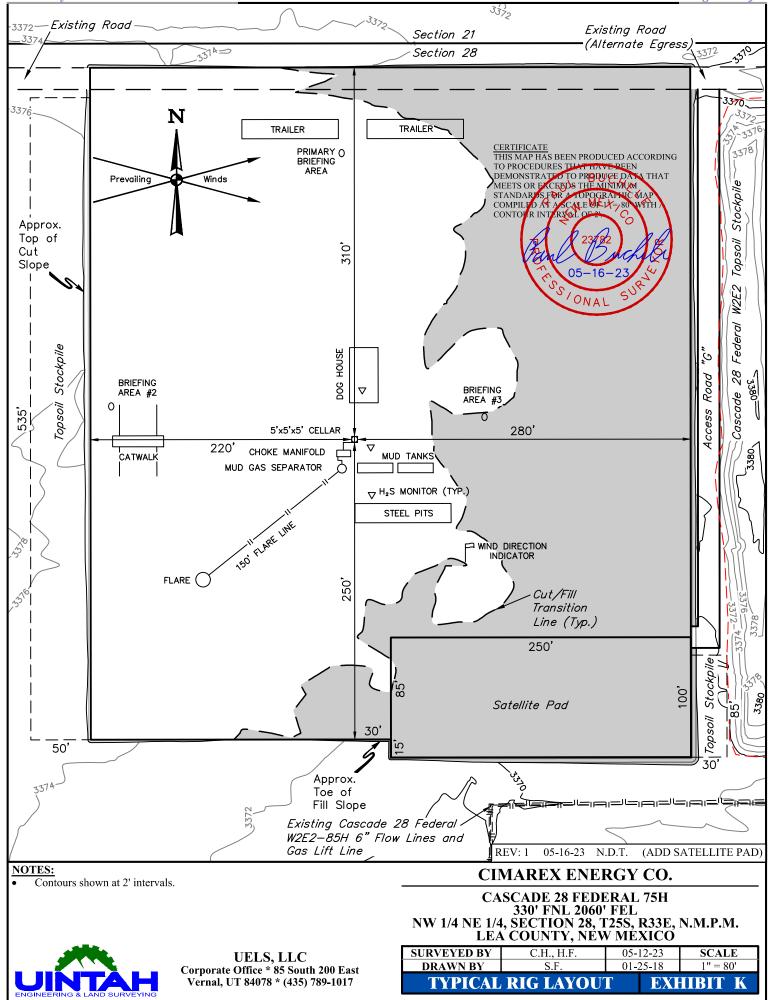
CIMAREX ENERGY CO.

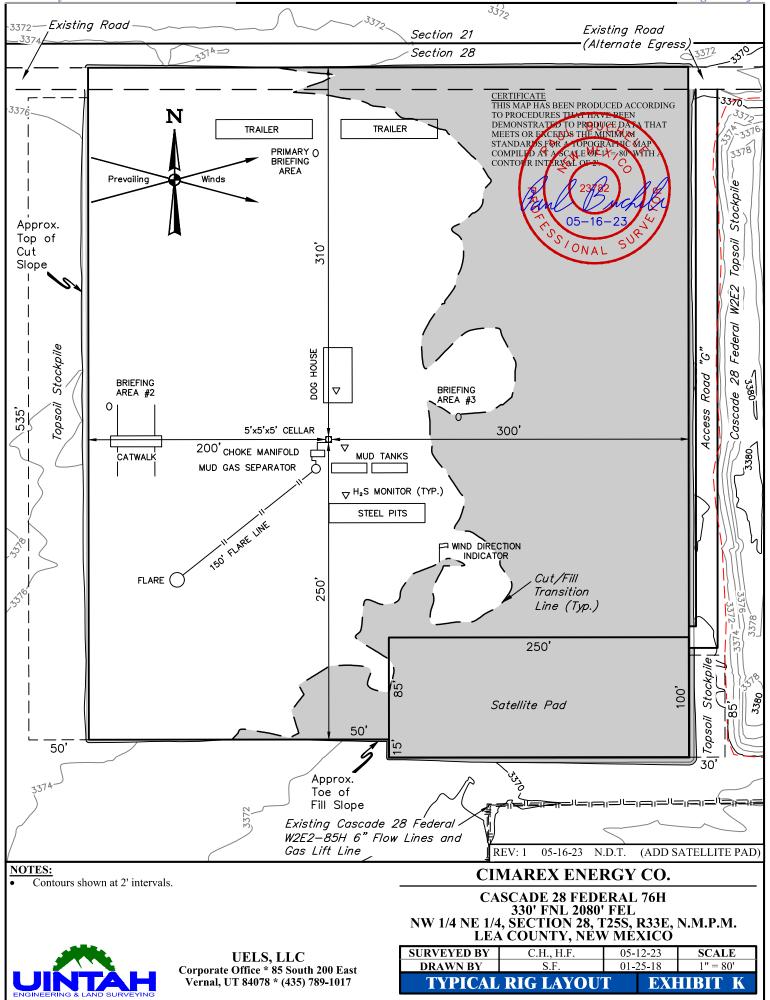
SURVEYED BY	C.H., H.F.	05-12-23	SCALE
DRAWN BY	S.F.	01-25-18	AS SHOWN
TYPICAL CH	ROSS SECTION	DNS EX	HIBIT J

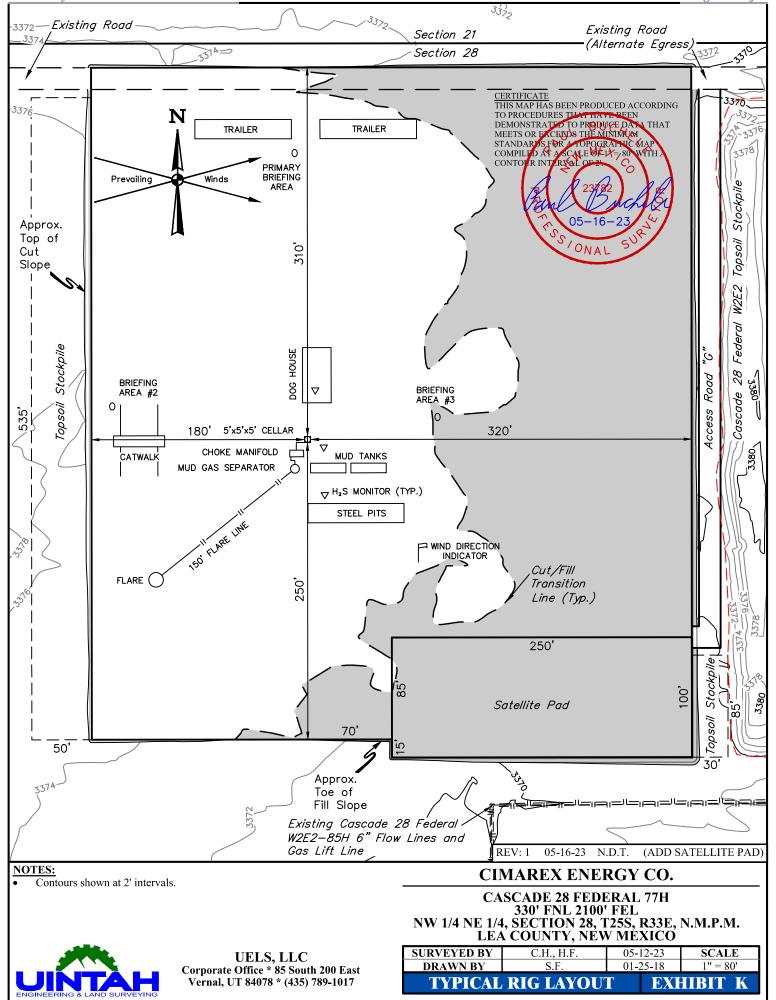


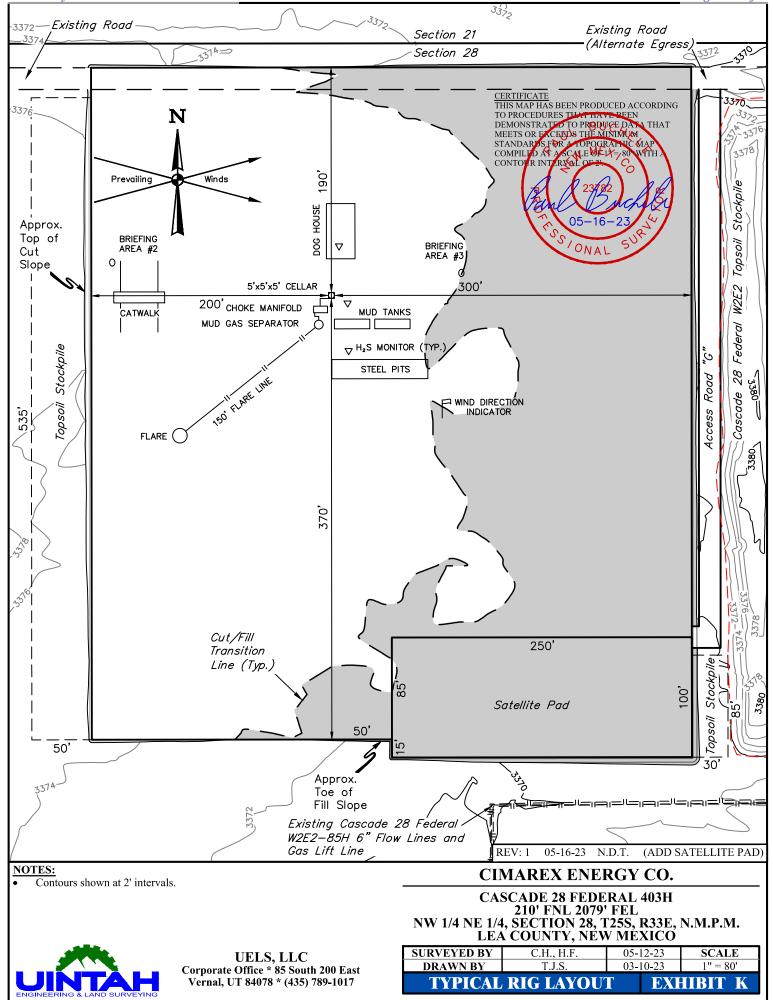


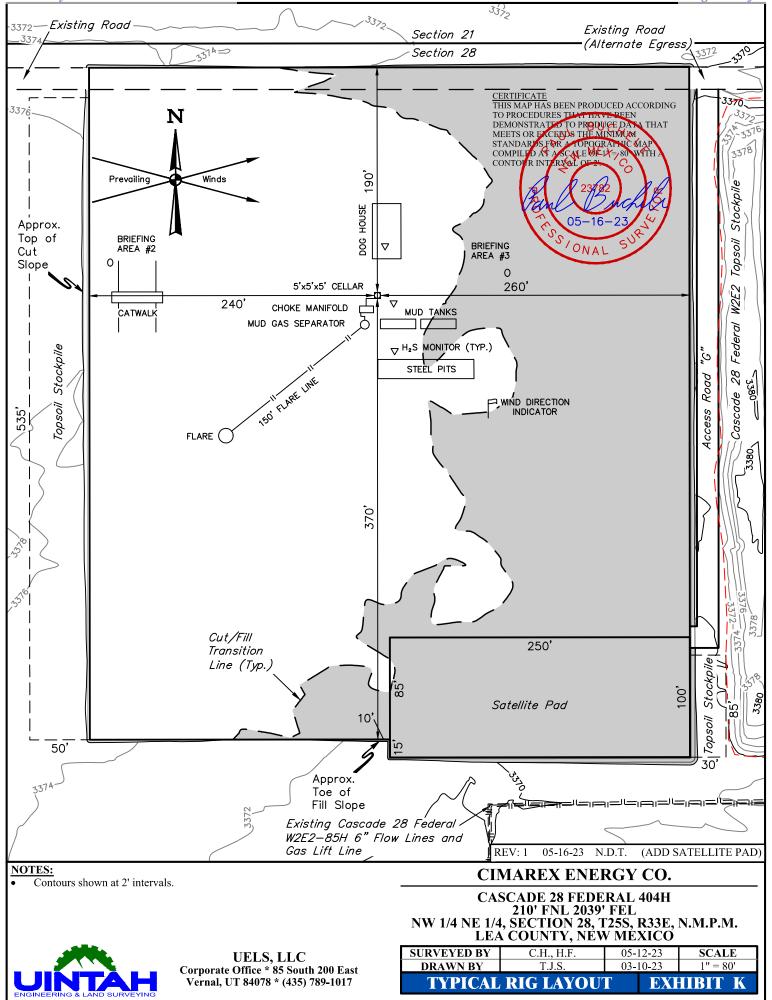


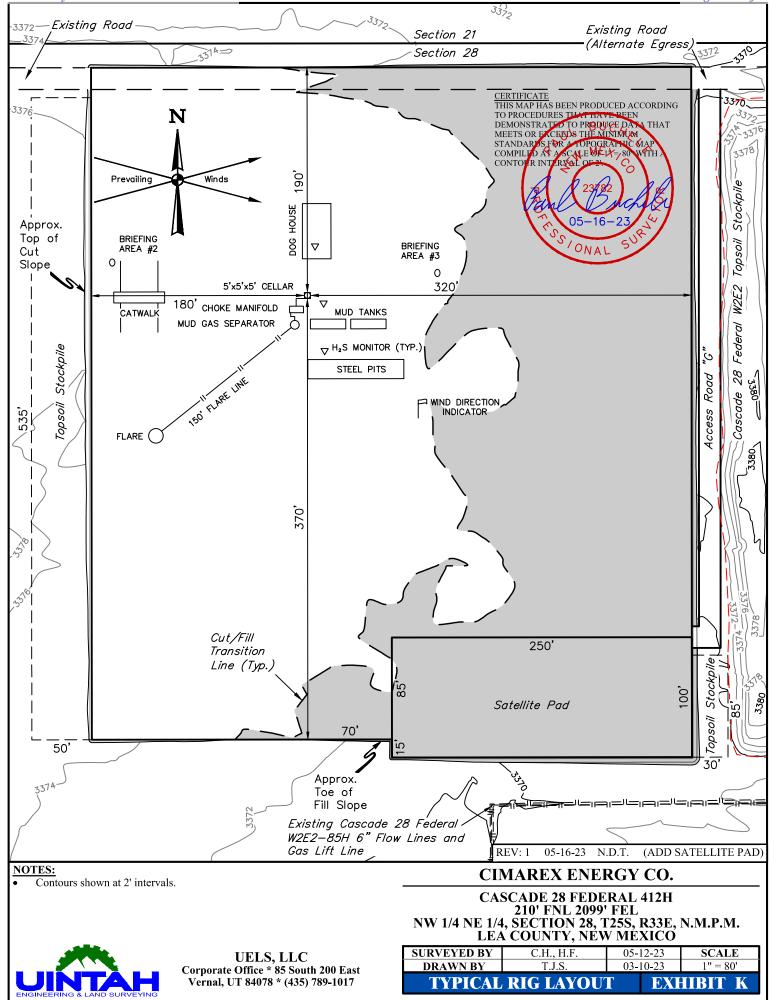


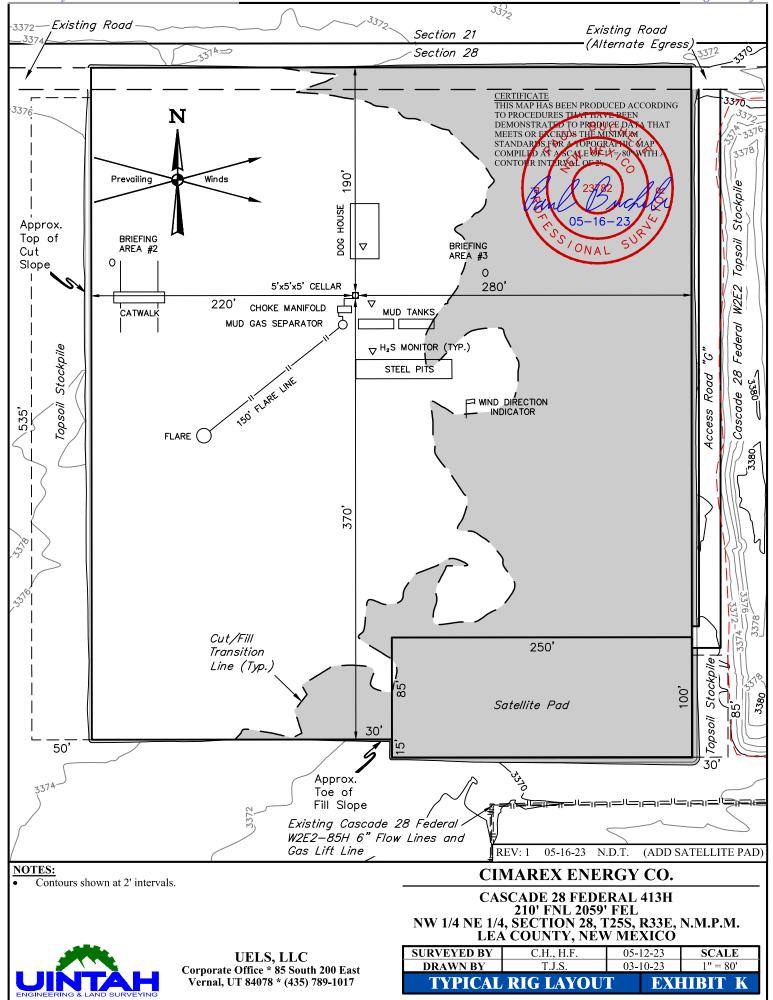


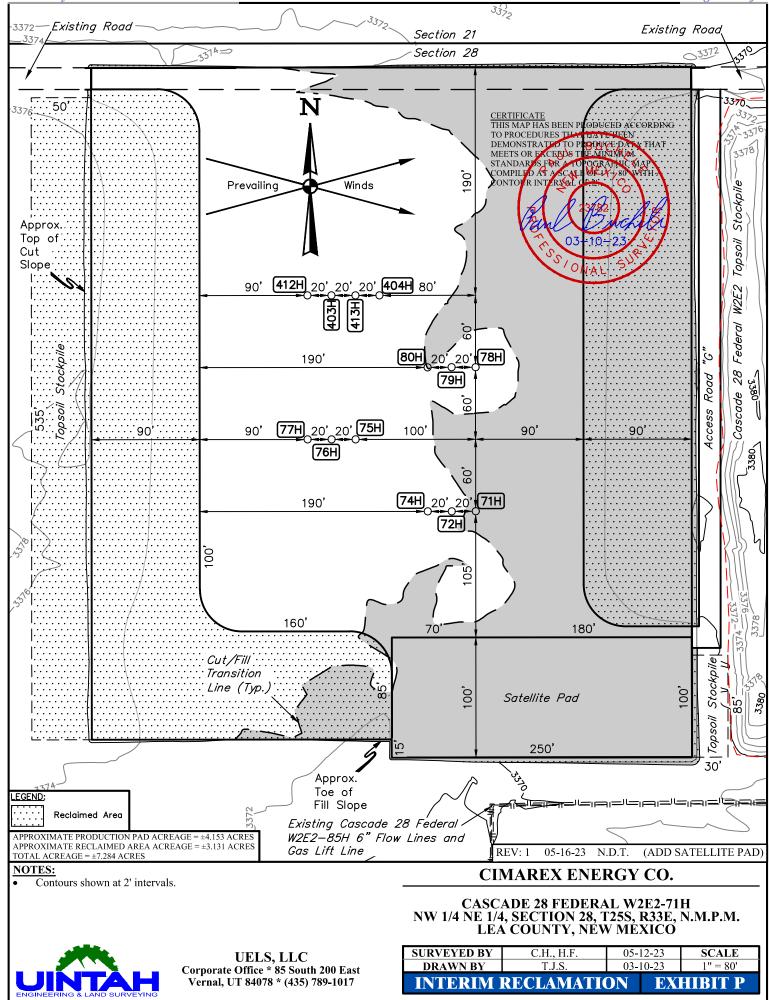


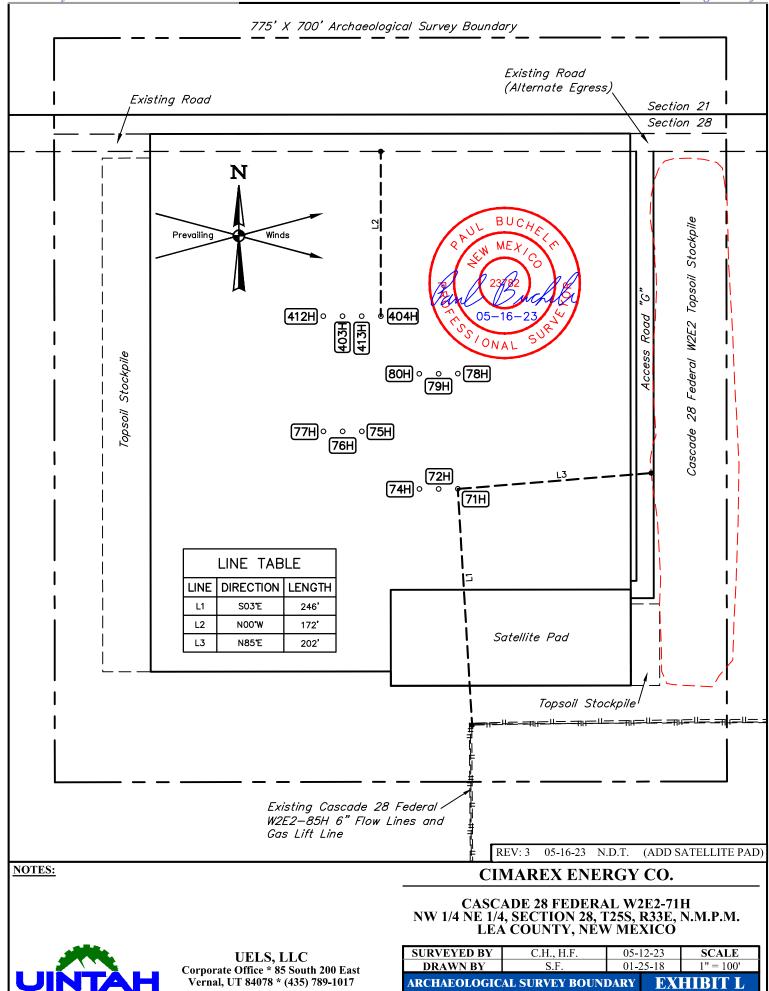


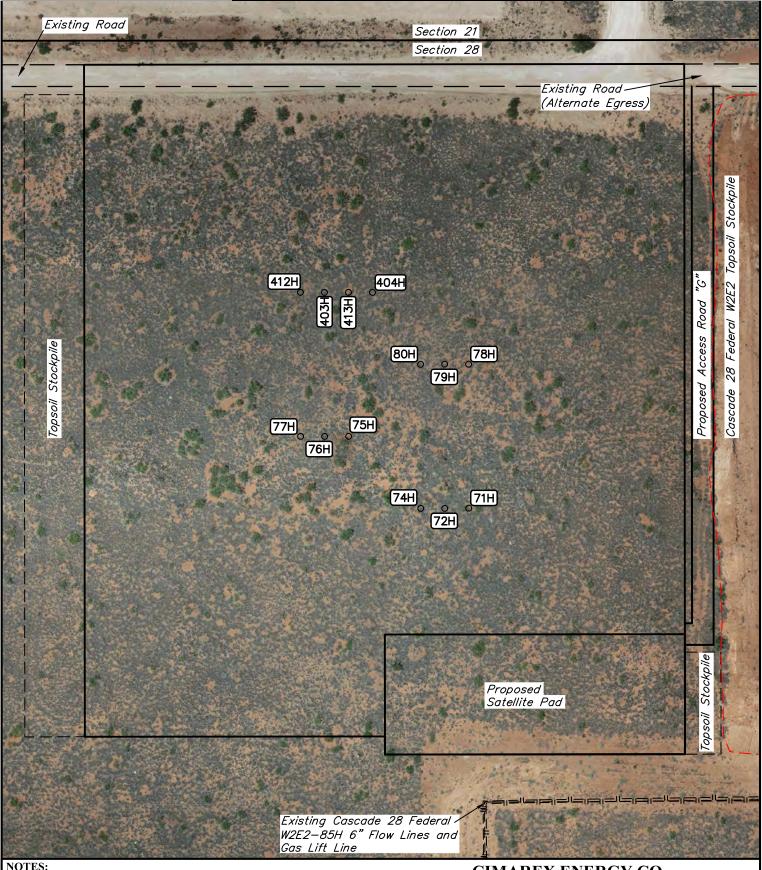












- Underground utilities shown on this sheet are for visualization purposes only, actual locations to be determined prior to construction.
- Re-route existing utilities as needed.
- Drone survey performed May 12, 2023.

ENGINEERING & LAND SURVEYING

UELS, LLC Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017

CIMAREX ENERGY CO.

SURVEYED BY	C.H., H.F.	05-12-23	SCALE				
DRAWN BY	N.D.T.	05-16-23	1" = 80'				
DRONE AERIAL							

BEGINNING AT THE INTERSECTION OF J-1/ORLA ROAD AND PIPELINE ROAD TO THE EAST (LOCATED AT NAD 83 LATITUDE N32.0650° AND LONGITUDE W103.6743°), PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY, THEN NORTHEASTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 3.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN A EASTERLY DIRECTION TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; IN AN EASTERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM THE INTERSECTION OF J-1/ORLA ROAD AND PIPELINE ROAD TO THE EAST (LOCATED AT NAD 83 LATITUDE N32.0650° AND LONGITUDE W103.6743°), TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 9.2 MILES.

REV: 01 05-16-23 N.D.T. (ADD PROPOSED ROAD)

CIMAREX ENERGY CO.

CASCADE 28 FEDERAL W2E2-71H NW 1/4 NE 1/4, SECTION 28, T25S, R33E, N.M.P.M. LEA COUNTY, NEW MEXICO



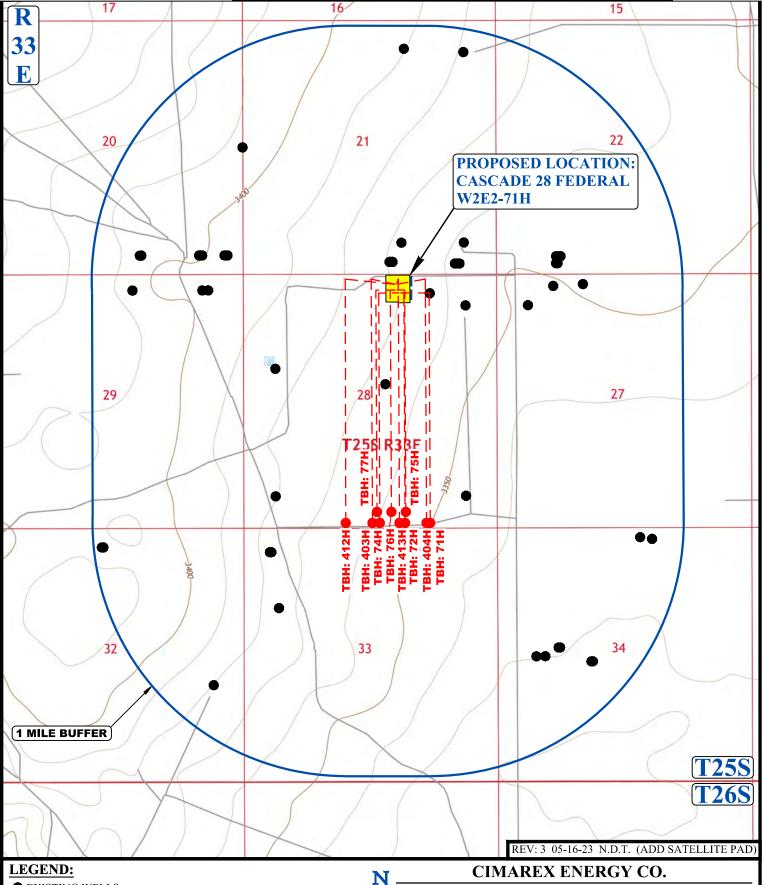
UELS, LLC Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017

SURVEYED BY	С.Т., С.Н.	01-24	-18	
DRAWN BY	J.L.G.	02-08	-18	
ROAD DES	SCRIPTIO	N	EX	HIBIT A



UELS, LLC Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017

SURVEYED BY	C.H., H.F.	05-12-23	SCALE
DRAWN BY	J.L.G.	02-08-18	1:12,000
NEW RC	DAD MAP	K	XHIBIT D

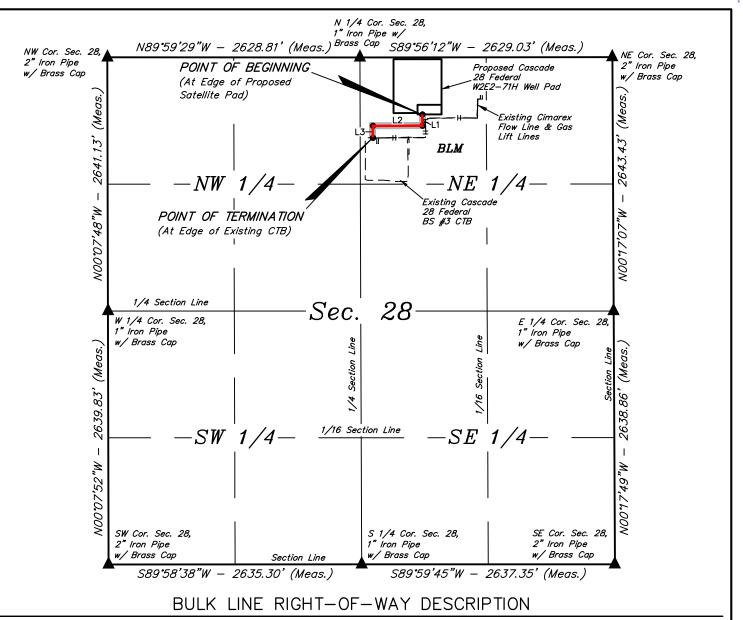


EXISTING WELLS



UELS, LLC Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017

SURVEYED BY	C.T., C.H.	01-2	4-18	SCALE			
DRAWN BY	J.L.G.	02-0	1:24,000				
1 MILE RADIUS MAP EXHIBIT E							



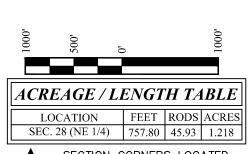
A 70' WIDE RIGHT-OF-WAY 35' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

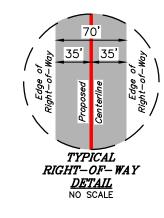
COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M., FROM WHICH THE NORTHEAST CORNER OF SAID SECTION 28 BEARS N89'56'12"E 2629.03', THENCE S47'36'57"E 881.59' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF BEGINNING; THENCE S00'09'20"E 117.09'; THENCE S89'50'41"W 515.42'; THENCE S00'09'18"E 125.29' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 28 AND THE POINT OF TERMINATION, WHICH BEARS S09'14'44"E 849.09' FROM THE NORTH 1/4 CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 1.218 ACRES MORE OR LESS.

POINT OF BEGINNING BEARS S47°36'57"E 881.59' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

POINT OF TERMINATION BEARS S09"14'44"E 849.09' FROM THE NORTH 1/4 CORNER OF SECTION 28, T25S, R33E, N.M.P.M.

LINE TABLE								
LINE	DIRECTION	LENGTH						
L1	S00°09'20"E	117.09'						
L2	S89°50'41"W	515.42'						
L3	S00°09'18"E	125.29'						





 \mathbf{N}

CERTIFICATE
THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND THE ACTUAL SURVE IS BASED WERE PER DIRECT SUPERVISION THIS SURVEY: THA MINIMUM STANDAR CROUND UPON WHICH IT BY ME OR UNDER MY AMRESIONSIBLE FOR NG IN NEW CORRECT TO THE MEXICO AND 05 - 17ONAL

SECTION CORNERS LOCATED

sis of Bearings is a Transverse Mercator Projection with a Central Meridian of 103°53'00" (NAD 83) Water bars to be constructed along route every 6' of elevation change



UELS, LLC Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017

CIMAREX ENERGY CO.

CASCADE 28 FEDERAL W2E2-71H ON BLM LANDS IN SECTION 28, T25S, R33E, N.M.P.M. LEA COUNTY, NEW MEXICO

SURVEYED BY	C.H., H.F.	05-12-23	SCALE
DRAWN BY	L.K.	05-17-23	1" = 1000'
FILE	C-6620-A1		

BULK LINE R-O-W EXHIBIT



U.S. Department of the Interior BUREAU OF LAND MANAGEMENT

PWD Data Report

PWD disturbance (acres):

Operator Name: CIMAREX ENERGY COMPANY

Well Name: CASCADE 28 FEDERAL Well Number: 413H
Well Type: OIL WELL Well Work Type: Drill

Section 1 - General

Would you like to address long-term produced water disposal? NO

Section 2 - Lined

Would you like to utilize Lined Pit PWD options? N

Produced Water Disposal (PWD) Location:

Lined pit PWD discharge volume (bbl/day):

Lined pit PWD on or off channel:

Lined pit

Pit liner description:

PWD surface owner:

Pit liner manufacturers

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule

Lined pit reclamation description:

Lined pit reclamation

Leak detection system description:

Leak detection system

Well Name: CASCADE 28 FEDERAL Well Number: 413H

Lined pit Monitor description:

Lined pit Monitor

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information

Section 3 - Unlined

Would you like to utilize Unlined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD disturbance (acres):

PWD surface owner:

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule

Unlined pit reclamation description:

Unlined pit reclamation

Unlined pit Monitor description:

Unlined pit Monitor

Do you propose to put the produced water to beneficial use?

Beneficial use user

Estimated depth of the shallowest aquifer (feet):

Does the produced water have an annual average Total Dissolved Solids (TDS) concentration equal to or less than that of the existing water to be protected?

TDS lab results:

Geologic and hydrologic

State

Unlined Produced Water Pit Estimated

Unlined pit: do you have a reclamation bond for the pit?

Well Name: CASCADE 28 FEDERAL Well Number: 413H

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information

Section 4 -

Would you like to utilize Injection PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: PWD disturbance (acres):

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

Injection well type:

Injection well number: Injection well name:

Assigned injection well API number? Injection well API number:

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection

Underground Injection Control (UIC) Permit?

UIC Permit

Section 5 - Surface

Would you like to utilize Surface Discharge PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: PWD disturbance (acres):

Surface discharge PWD discharge volume (bbl/day):

Surface Discharge NPDES Permit?

Surface Discharge NPDES Permit attachment:

Surface Discharge site facilities information:

Surface discharge site facilities map:

Section 6 -

Would you like to utilize Other PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: PWD disturbance (acres):

Other PWD discharge volume (bbl/day):

Released to Imaging: 6/7/2024 10:31:49 AM

Well Name: CASCADE 28 FEDERAL Well Number: 413H

Other PWD type description:

Other PWD type

Have other regulatory requirements been met?

Other regulatory requirements



U.S. Department of the Interior BUREAU OF LAND MANAGEMENT

Bond Info Data

05/23/2024

APD ID: 10400093858

Operator Name: CIMAREX ENERGY COMPANY

Well Name: CASCADE 28 FEDERAL

Well Type: OIL WELL

Submission Date: 08/25/2023

Highlighted data reflects the most recent changes

Show Final Text

Well Number: 413H

Well Work Type: Drill

Bond

Federal/Indian APD: FED

BLM Bond number: NMB001188

BIA Bond number:

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond

Reclamation bond number:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information

District I

1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III

1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	r	98094	FCAMP				
⁴ Property Code 314104			operty Name DE 28 FEDERAL	6 Well Number 413H			
⁷ OGRID No. 215099			perator Name EX ENERGY CO.	⁹ Elevation 3374.3'			

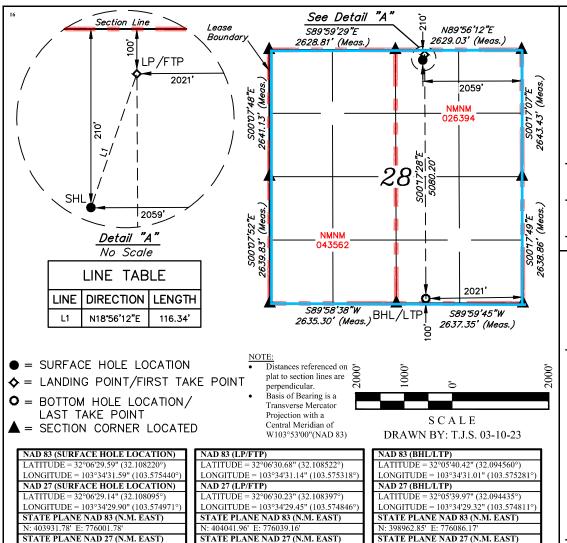
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
В	28	25S	33E		210	NORTH	2059	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

_											
	UL or lot no.	Sec	tion	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	О		28	25S	33E		100	SOUTH	2021	WEST	LEA
	12 Dedicated Acre 640	es	13 Jo	oint or Infill	14 Conso	olidation Code	15 Order No	•			

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



N: 403984.21' E: 734852

¹⁷OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Shelly M. Bowen 7/10/23

Ci-natura Data

Shelly M. Bowen

Printed Name

shelly.bowen@coterra.com

E-mail Address

¹⁸SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

January 24, 2018

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number:

N: 398905.22' E: 734899.69'

N: 403874.03' E: 734815.63'



U.S. Department of the Interior **BUREAU OF LAND MANAGEMENT**

Well Name: CASCADE 28 FEDERAL

Drilling Plan Data Report 05/23/2024

APD ID: 10400093858

Submission Date: 08/25/2023

Highlighted data reflects the most recent changes

Operator Name: CIMAREX ENERGY COMPANY

Well Number: 413H

Well Type: OIL WELL

Well Work Type: Drill

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical		Lithologies	Mineral Resources	Producing Formatio
13409371	RUSTLER	0	995	Depth 995	ANHYDRITE, SANDSTONE	USEABLE WATER	N
13409372	TOP SALT	-1340	1340	1340	ANHYDRITE	NONE	N
13409365	LAMAR	-4930	4930	4958	LIMESTONE	NONE	N
13409373	BASE OF SALT	-4930	4930	4958	ANHYDRITE	NONE	N
13409375	BELL CANYON	-4970	4970	4999	SANDSTONE	NONE	N
13409376	CHERRY CANYON	-5985	5985	6019	SANDSTONE	NONE	N
13409377	BRUSHY CANYON	-7575	7575	7610	SANDSTONE	NATURAL GAS, OIL	N
13409366	BRUSHY CANYON LOWER	-8920	8920	8955	SANDSTONE	NATURAL GAS	N
13409378	BONE SPRING	-9090	9090	9125	LIMESTONE	NATURAL GAS, OIL	N
13409379	UPPER AVALON SHALE	-9330	9330	9364	SHALE	NATURAL GAS, OIL	N
13409367	BONE SPRING 1ST	-10105	10105	10139	SANDSTONE	NATURAL GAS	N
13409368	BONE SPRING 2ND	-10685	10685	10719	SANDSTONE	NATURAL GAS	N
13409369	BONE SPRING 3RD	-11120	11120	11154	OTHER : Carbonate	NATURAL GAS	N
13409370	BONE SPRING 3RD	-11785	11785	11820	SANDSTONE	NATURAL GAS	N
13409380	WOLFCAMP	-12360	12360	17197	SHALE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

Well Name: CASCADE 28 FEDERAL Well Number: 413H

Pressure Rating (PSI): 10M Rating Depth: 12590

Equipment: A BOP consisting of three rams, including one blind ram and two pipe rams and one annular preventer. An accumulator that meets the requirements in Onshore Order #2 for the pressure rating of the BOP stack. A rotating head may be installed as needed. A Kelly clock will be installed and maintained in operable condition and a drill string safety valve in the open position will be available on the rig floor.

Requesting Variance? NO

Variance request:

Testing Procedure: A multi-bowl wellhead will be utilized and will be tested per 43 CFR 3172 after the installation on the surface casing. The testing interval shall be for 30 days. Whenever any seal subject to pressure is broken, a full BOPE test shall be performed.

Choke Diagram Attachment:

CHOKE_MANIFOLD_DIAGRAM_413H_20240423124723.pdf

COTERRA_10M_MBU_3T_CFL_10.34_X_7.58_X_5.5_413H_20240423124724.pdf

CIMAREX_10K_PROD_TREE_413H_20240423124724.pdf

CHOKE_HOSE_M14856_413H_20240423124727.pdf

BOP Diagram Attachment:

BOP_DIAGRAM_413H_20240423124736.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	14.7 5	10.75	NEW	API	N	0	1170	0	1170	3374	2204	1170	J-55	40.5	BUTT	3.12	6.18	BUOY	13.2 7	BUOY	13.2 7
2	PRODUCTI ON	6.75	5.5	NEW	API	Y	0	11952	0	11952	3374	-8578	11952	P- 110	20	BUTT	1.43	1.59	BUOY	2.83	BUOY	2.83
3	INTERMED IATE	9.87 5	7.625	NEW	API	N	0	12515	0	12456	3374	-9082	12515	L-80	29.7	BUTT	2.44	1.18	BUOY	1.79	BUOY	1.79
4	PRODUCTI ON	6.75	5.0	NEW	API	Y	11952	17441	11952	12590	-8578	-9216	l	P- 110	18	BUTT	1.64	1.66	BUOY	50.5 1	BUOY	50.5 1

Casing Attachments

Well Name: CASCADE 28 FEDERAL Well Number: 413H

Casing A	Attachments
----------	-------------

Casing ID: 1

String

SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing ID: 2

String

PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Spec_Sheet_for_Tapered_Prod_5.5_23__P110RY_20240423125401.pdf

Casing Design Assumptions and Worksheet(s):

Casing ID: 3

String

INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing_Assumptions_413H_20240423125214.pdf

Well Name: CASCADE 28 FEDERAL Well Number: 413H

Casing Attachments

Casing ID: 4

String

PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

 $5.0_in_18.00_Tapered_Prod_Spec_Sheet_20240423125600.pdf$

Casing Design Assumptions and Worksheet(s):

Spec_Sheet_for_Tapered_Prod_5_18__P110RY_03262024_20240423125611.pdf

Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Lead		0	0	0	0	0	0	0	0	0
PRODUCTION	Tail		1195 2	1744 1	711	1.3	14.2	924	25	Tail: 50:50 (Poz:H)	Salt + Bentonite + Fluid Loss + Dispersant + SMS
PRODUCTION	Lead		0	0	0	0	0	0	0	0	0

SURFACE	Lead	0	745	455	1.72	13.5	782	45	Class C	Bentonite
SURFACE	Tail	745	1045	121	1.34	14.8	162	45	Class C	LCM
INTERMEDIATE	Lead	0	1251 5	991	3.64	10.3	3607	49	Tuned Light	LCM
INTERMEDIATE	Tail	1251 5	1351 5	207	1.3	14.2	269	49	50:50 POZ:H	Salt, Bentonite, Fluid Loss, Dispersant, SMS

Operator Name: CIMAREX ENERGY COMPANY

Well Name: CASCADE 28 FEDERAL Well Number: 413H

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

Describe what will be on location to control well or mitigate other conditions: Sufficient mud materials will be kept on location at all times in order to combat lost circulation or unexpected kicks. In order to run DSTs, open hole logs, and casing, the viscosity and water loss may have to be adjusted in order to meet these needs.

Describe the mud monitoring system utilized: PVT/Pason/Visual Monitoring

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	ЬН	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	1170	OTHER : Fresh Water	7.83	8.33				25			
1170	1251 5	OTHER : Brine Diesel Emulsion	8.5	9				25			
1251 5	1744 1	OIL-BASED MUD	12	12.5				25			

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

No DST Planned

List of open and cased hole logs run in the well:

GAMMA RAY LOG, DIRECTIONAL SURVEY,

Coring operation description for the well:

N/A

Operator Name: CIMAREX ENERGY COMPANY

Well Name: CASCADE 28 FEDERAL Well Number: 413H

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 8183 Anticipated Surface Pressure: 5472

Anticipated Bottom Hole Temperature(F): 193

Anticipated abnormal pressures, temperatures, or potential geologic hazards? YES

Describe:

Lost circulation may be encountered in the Delaware mountain group. Abnormal pressure as well as hole stability issues may be encountered in the Wolfcamp.

Contingency Plans geoharzards description:

Lost circulation material will be available, as well as additional drilling fluid along with the fluid volume in the drilling rig pit system. Drilling fluid can be mixed on location or mixed in vendor mud plant and trucked to location if needed. Sufficient barite will be available to maintain appropriate mud weight for the Wolfcamp interval.

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

H2S_PLAN_REV.0_20240423131025.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Cascade_413H_Directional_Plan_20230825090741.pdf

Cascade_413H_AC_Summary_20230825090903.pdf

WELL CONTROL PLAN REV.0 20240423131204.pdf

Drilling_Plan_New_Mexico_413H_updated_Drilling_Plan_04222024_20240423131216.pdf

Other proposed operations facets description:

Other proposed operations facets attachment:

Cascade_413H_NGMP_20230825090751.pdf

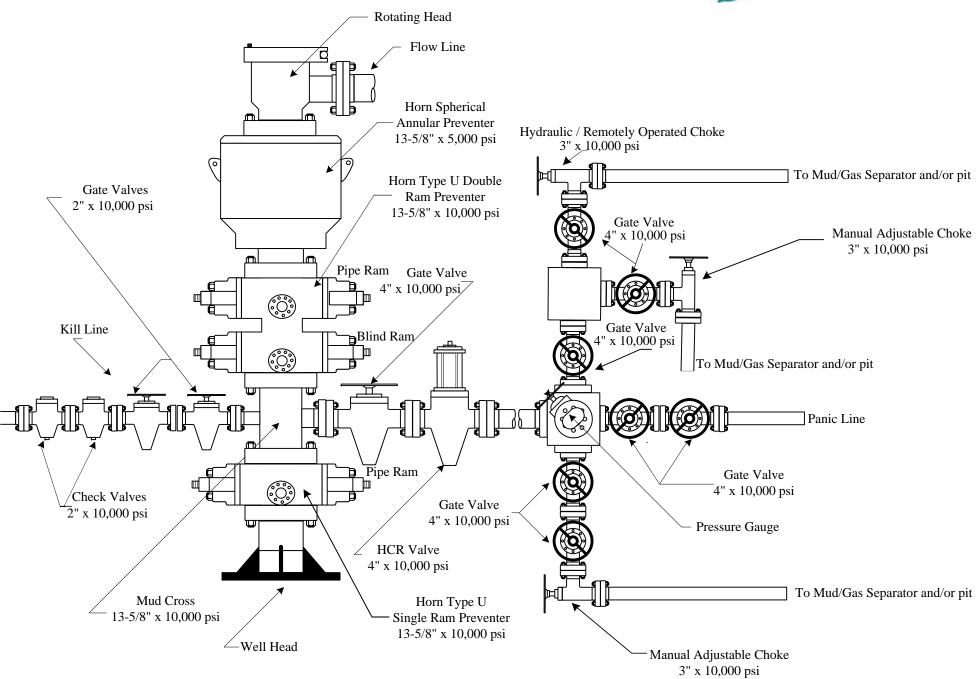
Other Variance attachment:

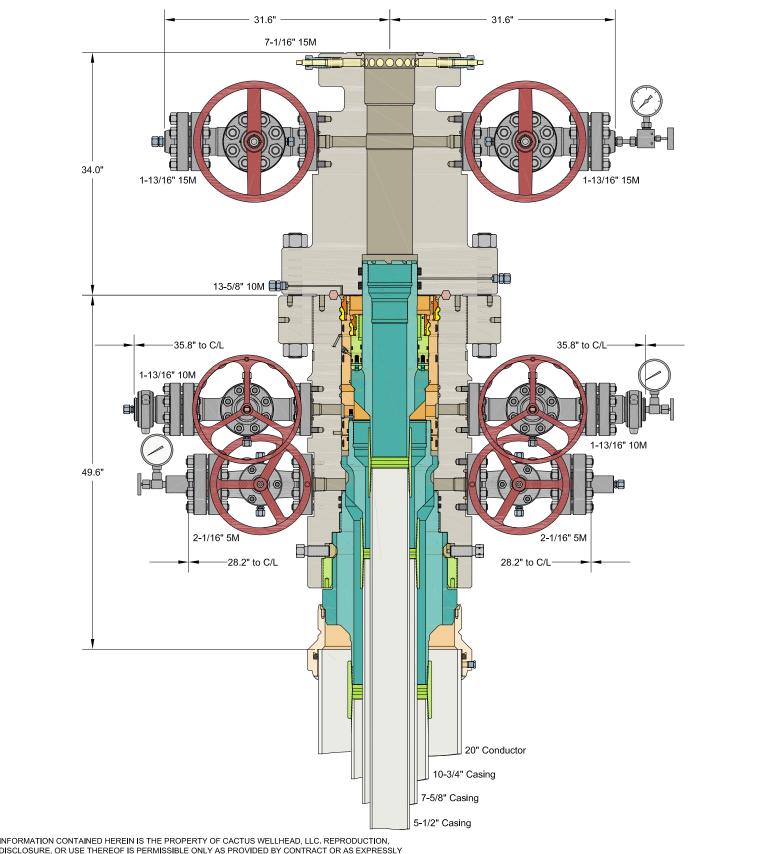
NEW_MEXICO_STANDARD_VARIANCES_Cascade_Wells_20240423131231.pdf CHOKE_HOSE_M14856_413H_20240423131246.pdf



Received by OCD: 5/23/2024 9:40:12 AM







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ALL DIMENSIONS APPROXIMATE

COTERRA ENERGY INC CACTUS WELLHEAD LLC HOBBS, NM VJK 07JUL23 DRAWN 20" x 10-3/4" x 7-5/8" x 5-1/2" MBU-3T-CFL-R-DBLO-SF Wellhead APPRV With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS-SB Tubing Head DRAWING NO. HBE0000965 And 7-5/8" & 5-1/2" Mandrel Casing Hangers



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

Quote Number: HBE0000965

Date: 07/07/2023

Valid For 30 Days

Page 1 of 8

Bill To: 7035 Ship To:

COTERRA ENERGY INC PO BOX 4544 Attn: GULF COAST OFFICE **HOUSTON TX 77210** US

COTERRA ENERGY INC PO BOX 4544 Attn: GULF COAST OFFICE HOUSTON TX 77210

0

US

Price **Ext Price** Quantity

COTERRA ENERGY INC DAVID SHAW

HOBBS, NM

MBU-3T-CFL-R SAFEDRILL® WELLHEAD SYSTEM 20" X 10-3/4" X 7-5/8" X 5-1/2"

QUOTATION SUMMARY:

- MBU-3T-CFL ASSEMBLY \$29,839.64
- CASING HANGERS & PACKOFFS \$12,581.24
- TUBING HEAD ASSEMBLY \$19,367.17

CACTUS CONTACT: RILEY STAFFORD OFFICE: 405.708.7217 MOBILE: 405.445.2222

EMAIL: riley.stafford@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 PRO RATA FREIGHT AND OTHER APPLICABLE MILEAGE AND SERVICE CHARGES THAT MAY BE CHARGED AT TIME OF INVOICING.



Hobbs, NM 4120 W Carlsbad Hwy Hobbs NM 88240 Phone: 817-682-8336 Quote Number: HBE0000965

Price

Quantity

Date: 07/07/2023

Valid For 30 Days

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Ext Price

		Quantity	11100	Extrice
	MBU-3T-CFL ASSEMBLY			
		1.00	12.02 (0.0	10.00 (0.0
1	122079P2	1.00	12,026.00	12,026.00
	HSG,CW,MBU-3T-CFL-R-DBLO-SF,13-3/8,13-5/8 10M,W/TWO 1-13/16 10M FP UPR & TWO 2-10M THD FLG,6A-PU-AA-2-2	1/16 3M FP L	WK,W/O 13-5/8	
2	126808P2	0.00	12,168.80	0.00
	$\label{eq:hsg_cwmbu-3T-cfl-roblo-sf_13-3/8_13-5/8_10M_w/two_1-13/16_10M_{FP}\ upr\&\ two_2-10M_{THD}\ FLG, TEMP_{PU,MATL}\ EE, PSL2, PR2$	1/16 5M FP L	WR,W/O 13-5/8	
3	110578	1.00	2,590.00	2,590.00
	FLG,THD,13-5/8 10M W/21.750-2 STUB ACME-2G L.H. BOX THD,31.00 OD,4130 75K & I/T @	-75 DEG F		
4	120455	1.00	2,789.92	2,789.92
	LANDING RING,CW,CTF/MBU-T/3T,20 SOW X 20 SN X 18.13 ID,750K MAX LOAD CAPACIT	Y		
5	130791	1.00	3,990.00	3,990.00
	CSGHGR,CW,MBU-3T-CFL-R,13-3/8,10-3/4 (40.5#) BC PIN BTM X 14.000-2 STUB ACME-2G L BORE,4140 110K,TEMP U,MATL AA,PSL2,PR2	EFT HAND F	PIN TOP,10.040	MIN
6	NOTE: ACCEPTABLE FOR USE WITH 10-3/4 (45.5#) BC J/K-55 CASING 133772	2.00	950.00	1,900.00
U	VLV,AOZE,GEN,M-EXP-FB,2-1/16 3/5M FE DD (6A LU DD PSL2 PR1) QPQ TRIM & 4130 STEI		930.00	1,900.00
7	200002	2.00	120.00	240.00
/	FLG,COMP,CW,2-1/16 5M X 2 LP,6A-KU-EE-1	2.00	120.00	240.00
8	BP2T	2.00	42.48	84.96
0	BULL PLUG,CW,2 LP X 1/2 NPT,API 6A DD	2.00	42.40	64.90
9	100048	1.00	59.74	59.74
9	FTG,GRS,VENTED CAP,1/2 NPT,4140 -50F W/ELECTROLESS NICKEL COATING NACE,K-M			
	SPRING	JNEL DALL,	INCONEL A-73	U
10	R24	4.00	8.82	35.28
	RING GASKET,R24,2-1/16 3/5M			
11	780067-20E1	16.00	14.70	235.20
	STUD,ALL-THD W/2 HVY HEX NUTS,BLK,7/8-9UNC X 6-1/2,API 20E BSL-1 ASTM A193 GR API 20E BSL-1 ASTM A194 GR 2H HEAVY HEX NUTS,NO PLATING	B7 ALL THR	EAD STUD W/2	
12	107412MV	2.00	2,017.00	4,034.00
	VLV,CW,SB100,1-13/16 10M FE BB/EE-0,5 (API 6A LU BB/EE-0,5 PSL2 PR2) QPQ TRIM, API 6 HOLE)	A PR2 ANNE	EX F (BORE VE	NT
13	122007	2.00	685.00	1,370.00
	ADPT,CW,CFH,1-13/16 10M X 2 FIG 1502 X 1/2 NPT,NACE SVC,TEMP PU, PSL2			
14	100048	1.00	59.74	59.74
	FTG,GRS,VENTED CAP,1/2 NPT,4140 -50F W/ELECTROLESS NICKEL COATING NACE,K-M0 SPRING	ONEL BALL,	INCONEL X-75	0
15	BX151	4.00	12.77	51.08
	RING GASKET,BX151,1-13/16 10/15/20M			



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		Quantity	Price	Ext Price
16	780080-20E1	16.00	9.13	146.08
	STUD,ALL-THD W/2 HVY HEX NUTS,BLK,3/4-10UNC X 5-1/2,API 20E BSL-1 ASTM A1 API 20E BSL-1 ASTM A194 GR 2H HEAVY HEX NUTS,NO PLATING	93 GR B7 ALL THR	READ STUD W/	2
17	NVA	2.00	55.58	111.16
	NEEDLE VALVE,MFA,1/2 10M			
18	PG5M	1.00	58.24	58.24
	PRESSURE GAUGE,5M,4-1/2 FACE,LIQUID FILLED,1/2 NPT			
19	PG10M	1.00	58.24	58.24
	PRESSURE GAUGE,10M,4-1/2 FACE, LIQUID FILLED,1/2 NPT			
20	132804	0.00	8,024.00	0.00
	RISER ADPT,CW,LRA,20.12 DBLO X 20 SOW TOP X 19.5 ID,8.5 LG,W/8 1-8 UNC-2B TA ORINGS & 1/2 NPT TEST PORT,300 PSI MAX WP,A/F 20.12 LANDING RING	P HOLES,5.00 DEE	P PKT W/1/2	
	NOTE: THE AFOREMENTIONED ITEM IS A ONE TIME CHARGE PER RIG; PRICE NOT	INCLUDED IN TH	E TOTAL.	29,839.64
	CASING HANGERS & PACKOFFS			
21	130916	1.00	2,075.00	2,075.00
	CSGHGR,CW,MBU-3T-LWR-TP8,FLUTED,13-5/8 X 7-5/8 (29.7#) BC PIN BTM X 10.250-4 TOP,W/11-1/2 OD NECK,4140 110K,TEMP U,MATL AA,PSL2,PR2	STUB ACME-2G R	RIGHT HAND B	OX
22	130570	1.00	4,006.24	4,006.24
	PACKOFF,CW,MBU-3T,MANDREL,13-5/8 NESTED X 11,W/11.250-4 STUB ACME-2G LI DEEPER GALLERY,4140 110K,STD SVC,NON-NACE			
23	137978	1.00	4,550.00	4,550.00
24	CSGHGR,CW,MBU-3T-TP8-UPR,SN,7-5/8,FLUTED,11 NESTED X 5-1/2 (23#) BK-HT PIN RIGHT HAND BOX TOP & 5 HBPV THD,SPEC FOR ROTATING CASING STRING,4140 131863			0.00
	RUN TOOL,CW,CSGHGR,TP8,6.125-4 STUB ACME-2G RIGHT HAND PIN BTM X 5-1/2 BORE & MAX LOAD CAPACITY 580K,MAX TORQUE 33000 FT-LBS,SPEC FOR ROTAT	(23#) BK-HT BOX T	OP,W/4.654 MI	
	NOTE:MAX CASING CONNECTION TORQUE PER THREADERS SPEC			
25	115867	1.00	1,950.00	1,950.00
	PACKOFF,CW,CTF-MBU-3T,11,A/F 7.75 SEAL PREP,W/8.750-4 STUB ACME-2G LH BO: SHOULDER ON HANGER,4130 80K,NACE SVC,PSL2	X TOP,A/F LANDIN	IG ON 45 DEG	
	SHOULDER ON HANGLE, 4130 BUR, NACE SVC, 13L2			12,581.24
	RENTAL TOOLS			
26	AR4 3T-CFL DT 10-3/4 X 7-5/8 X 5-1/2 MAN	0.00	2,250.00	0.00
	MBU-3T-R RENTAL TOOLS = \$2,250.00 PER WELL FOR THE FIRST 45 DAYS; \$195.00 PER WELL FOR THE FIRST 45 DAYS 45 DA	PER DAY THEREA	FTER	
	RENTAL TOOLS INCLUDE THE FOLLOWING ITEMS:			
	PN 119126: LIFT RING,CSGHGR,CFL-R,W/14.000-2 STUB ACME-2G LEFT HAND THDS	,4140 110K		

PN 121275: RUN TOOL,CW,CSGHGR,MBU-3T-CFL-R,10-3/4 BC BOX TOP X 14.000-2 STUB ACME-2G LH BOX LANDING



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THD,10.00 MIN BORE

PN 118178: TORQUE COLLAR, CW, CSGHGR, MBU-3T-CFL-R, F/16 NECK, 4140 110K

PN 104467: COMB TEST PLUG/RET TOOL,CW,13-5/8 X 4-1/2 IF (NC50) BOX BTM & TOP,W/1-1/4 LP BYPASS & SPRING LOADED DOGS

PN 122539: WBUSH,CW,MBU-3T,LWR,13-5/8 X 10. 00 ID X 27.0 LG,W/3/8 UPR ORING & W/O 2.38 GROOVE

PN 121602: RUN TOOL,CW,CSGHGR,TP4,13-5/8 X 7-5/8 BC BOX TOP,10.250-4 STUB ACME-2G RIGHT HAND PIN BTM,MAX LOAD CAPACITY 1000K,MAX TORQUE 18000FT-LBS,SPEC FOR ROTATING CASING STRING

PN 118906: TORQUE COLLAR, CW, F/USE W RUN TOOL, TP, 10.250-4 STUB ACME-2G RIGHT HAND PIN BTM AND A/F 11.50 OD X 5.00 LG BOX HGR NECK, MAXIMUM TORQUE 48000 LBF-FT

PN 106277: WASH TOOL,CW,MBU-3T-LR,MBS2 & FLUTED,13-5/8 X 4-1/2 IF (NC50) BOX TOP THD,W/BRUSHES

PN 119451: RUN TOOL,CW,PACKOFF,MBU-3T-UPR,13-5/8 STACK,W/11.250-4 STUB ACME-2G LEFT HAND PIN BTM X 4-1/2 IF (NC50) BOX TOP,W/3/8 BALL BEARINGS

PN 125190: TEST PLUG,CW,MBU-3T INNER,11 X 4-1/2 IF (NC50) BOX BTM & TOP,W/1-1/4 LP BYPASS

PN 123959: WBUSH,CW,MBU-3T(-ONE),UPR,NESTED,13-5/8 X 11 X 7.00 ID X 20.0 LG,A/F 13-5/8 RET TOOL,W/1/4 DRILL HOLES

PN 117319: TORQUE COLLAR, CW, CSGHGR, F/USE W/7.62 OD X 15.38 LG BOX HGR NECK AND 10.83 OD RUNNING TOOL, MAXIMUM TORQUE 35000 LBF-FT

PN 103164: WASH TOOL, CW, CSGHGR, MBU-2LR/MBS2-R (3T), FLUTED, 11 X 4-1/2 IF (NC50) BOX TOP THDS, FAB, 200 PSI MAX WP

PN 117306: RUN TOOL,CW,PACKOFF,MBU-3T-SN,7-5/8,W/8.750-4 STUB ACME-2G LEFT HAND PIN BTM X 4-1/2 IF (NC50) BOX TOP,W/BALL BEARINGS

PN 116240: SUB,CROSSOVER,CW,5 HBPV PIN THD BTM X 4-1/2 IF (NC50) BOX TOP,18.0 LG,4140 110K

NOTE: CUSTOMER RESPONSIBLE FOR LOST OR DAMAGED BEYOND REPAIR TOOLS. RENTAL CHARGES MAY NOT BE APPLIED TO THE PURCHASE PRICE OF EQUIPMENT.

0.00

SAFEDRILL® DRILLING ADAPTER

27 8Q 13 10M X 13 10M CQC ADPT (45D)

0.00 1,700.00

0.00

SAFEDRILL® DRILLING ADAPTER RENTAL PACKAGE = \$1,700.00 PER WELL FOR THE FIRST 45 DAYS; \$65.00 PER DAY THEREAFTER.

RENTAL TOOLS CONSIST OF THE FOLLOWING ITEMS:

PN 116966: ADPT,DRLG,CW,MBU-3T,13-5/8 10M QUICK CONNECT BTM X 13-5/8 10M STD TOP,TEMP RATING PU

PN 116992: HUB,CW,THD,MBU-3T,13-5/8 10M,W/21.750-2 STUB ACME-2G L.H. BOX THD

NOTE: CUSTOMER RESPONSIBLE FOR LOST, DAMAGED, OR BEYOND REPAIR RENTAL EQUIPMENT. RENTAL Released to Imaging: 6/7/2024 10:31:49 AM



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	Quantity	Price	Ext Price
CHARGES MAY NOT BE APPLIED TO THE PURCHASE PRICE OF EQUIPMENT. ACCESSOF INCLUDED IN RENTAL RATE.	RIES FOR ASSE	EMBLY ARE	ENOT
			0.00

7-5/8" OFFLINE CEMENT

28 5O 3T OLC - 7-5/8 RT DAILY RENTAL

0.00 950.00

0.00

MBU-3T - 7-5/8" OFFLINE CEMENTING RENTAL PACKAGE = \$950.00 PER WELL

RENTAL TOOLS CONSIST OF THE FOLLOWING ITEMS:

PN 133817: CEMENT TOOL,CW,CSGHGR/PACKOFF,MBU-3T-LWR-OLC,NESTED,7-5/8 BC PIN TOP,W/11.250-4 STUB ACME-2G LH PIN THD HOLD DOWN RING,6.964 MIN BORE,5000 PSI MAX WP,4140 125K

PN 124993: CIRCULATION PLUG, CW, CTF/MBU-3T, 11 NOM, W/ONE WAY 3 HBPV, 6A-U-AA-1-1

PN 107010: RUN TOOL,CW,PACKOFF,MBU-LR-LWR,11 X 3-1/2 IF (NC38) BTM & TOP,W/7.500-4 STUB ACME-2G LH PIN BTM

NOTE: CUSTOMER RESPONSIBLE FOR LOST OR DAMAGE BEYOND REPAIR TOOLS. RENTAL CHARGES MAY NOT BE APPLIED TO THE PURCHASE PRICE OF EQUIPMENT.

0.00

SAFEDRILL® TA CAP

29 7T 13 10M CQC TA CAP (90D)

0.00

1,300.00

0.00

SAFEDRILL® TA CAP RENTAL PACKAGE = \$1,300.00 PER WELL FOR THE FIRST 90 DAYS; \$85.00 PER DAY THEREAFTER.

PN 117347: TA CAP,CW,MBU-3T-HPS,9,13-5/8 10M QUICK CONNECT,W/ONE 1-13/16 10M FP,VR THD & 1/2 NPT PORT,6A-U-AA-1-1

PN 108499: SECSEAL, CW, TA-HPS, 9 X 7-5/8 X 4.31 LG, W/7.731 BORE, 6A-U-AA-1-1

PN 116992: HUB,CW,THD,MBU-3T,13-5/8 10M,W/21.750-2 STUB ACME-2G L.H. BOX THD

NOTE: CUSTOMER IS RESPONSIBLE FOR LOST, DAMAGED OR BEYOND REPAIR RENTAL EQUIPMENT. RENTAL CHARGES MAY NOT BE APPLIED TO THE PURCHASE PRICE OF EQUIPMENT. ACCESSORIES FOR ASSEMBLY ARE NOT INCLUDED IN RENTAL RATE.

0.00

TUBING HEAD ASSEMBLY

30	126002-21MG	1.00	11,108.00	11,108.00
	TBGHD,CW,CTH-DBLHPS-SB,7-5/8,13-5/8 10M X 7-1/16 15M,W/2 1-13/16 15M FP,W/6.375 MIN E LG,216A-PU-EE-0,5-3-2	ORE & 17-	4PH LDS,34.0	
31	113880MV	2.00	2,792.00	5,584.00
	VLV,CW,SB100,1-13/16 15M FE BB/EE-0,5 (API 6A LU BB/EE-0,5 PSL3 PR2F) QPQ TRIM, API 6A HOLE)	PR2 ANNI	EX F (BORE VEN	Т
32	127140	2.00	150.00	300.00

FLG,BLIND,CW,1-13/16 15M X 9/16 AUTOCLAVE,REC F/VR PLUG,6A-LU-EE-3



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		Quantity	Price	Ext Price
33	100326	1.00	89.73	89.73
	FTG,GRS,VENTED CAP,9/16 AUTOCLAVE,17-4PH BODY, 316SS VENT CAP,INCONEL X-7 BALL,20,000 PSI SERVICE	50 SPRING & T	UNGSTEN CA	ARBIDE
34	BX151	4.00	12.77	51.08
	RING GASKET,BX151,1-13/16 10/15/20M			
35	105477-20E1	16.00	9.76	156.16
	STUD,ALL-THD W/2 HVY HEX NUTS,BLK,7/8-9UNC X 6,API 20E BSL-1 ASTM A193 GR B 20E BSL-1 ASTM A194 GR 2H HEAVY HEX NUTS,NO PLATING			
36	BX159	1.00	117.60	117.60
	RING GASKET,BX159,13-5/8 10/15/20M			
37	102825-20E1	20.00	67.63	1,352.60
20	STUD,ALL-THD W/2 HVY HEX NUTS,BLK,1-7/8-8UN X 17-3/4,API 20E BSL-1 ASTM A193 (API 20E BSL-1 ASTM A194 GR 2H HEAVY HEX NUTS,NO PLATING			
38	106012	1.00	120.00	120.00
	ADPT,AUTOCLAVE,HIGH PRESSURE, 9/16 MALE TO 9/16 MALE,316SS,SOUR SERVICE			
39	810023	1.00	289.00	289.00
	NEEDLE VALVE,2 WAY ANGLE,9/16,20KSI,SOUR SERVICE,W/O COLLARS & GLANDS			
40	PG15M	1.00	199.00	199.00
	PRESSURE GAUGE,15M,9/16 AUTOCLAVE,LIQUID FILLED			
				19,367.17
	CONTINGENCY EQUIPMENT			
	EMERGENCY EQUIPMENT; INVOICED AS REQUIRED:			
41	116998	0.00	2,200.00	0.00
	CSGHGR,CW,MBU-3T-LWR,EMERG,13-5/8 X 9-5/8,6A-PU-DD-3-2			
42	130829	0.00	5,160.00	0.00
	PACKOFF,CW,MBU-3T,EMERG,13-5/8 NESTED X 11 X 9-5/8,W/11.250-4 STUB ACME-2G L	H BOX TOP W/I	RUPTURE DIS	SK &
	DEEPER GALLERY,4140 110K,STD SVC,NON-NACE			
43	108211	0.00	1,750.00	0.00
	CSGHGR,CW,MBU-3T,UPR/MBU-2LR,UPR,11 X 5-1/2,6A-PU-DD-3-2			
44	117298	0.00	1,800.00	0.00
	PACKOFF, CW, MBU-3T, INNER, EMERG, NESTED, 11 X 5-1/2, W/7-5/8 SEAL NECK, 5 HBPV TI	HDS & 4.93 MIN	BORE,A/F H	OLD
45	DOWN RING,4130 75K,NACE SVC 104726	0.00	550.00	0.00
15	HOLD DOWN,RING,F/22 CSGHGR 11 X 5-1/2,A/F PACKOFF MBU-LR,13-5/8 10M,W/11.250-			
	ID X 2.62 LG,4140 110K	TOTOB HOME	20 EII I II (II)	0.00
				0.00
	ORMATION CONTAINED HEREIN IS THE PROPERTY OF CACTUS WELLHEAD, LLC. REPRODUCTION, DISCLO MISSIBI F ONLY AS PROVIDED BY CONTRACT OR AS EXPRESSLY AUTHORIZED BY CACTUS WELLHEAD. LL		HEREOF IS	
For	Acceptance of this Quotation		Matl:	61,788.05
Plea	ase Contact Fred Stafford Ph: 713-626-8800	L	abor:	0.00
riley	v.stafford@cactuswellhead.com		Misc:	0.00
		Sales	Tax:	0.00
	al 4a Francisco (/7/2024 10:21:40 43)	7	Total:	61,788.05

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CACTUS WELLHEAD. LLC PURCHASE TERMS AND CONDITIONS

- 1. <u>ACCEPTANCE</u>: 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. <u>TERMS OF PAYMENT</u>. 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. <u>LIMITED WARRANTY</u>. 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 FILEL 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 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 AND 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
- 6. <u>INSPECTION.</u> 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, 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 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



Hobbs, NM 4120 W Carlsbad Hwy Hobbs NM 88240 Phone: 817-682-8336 Quote Number: HBE0000965

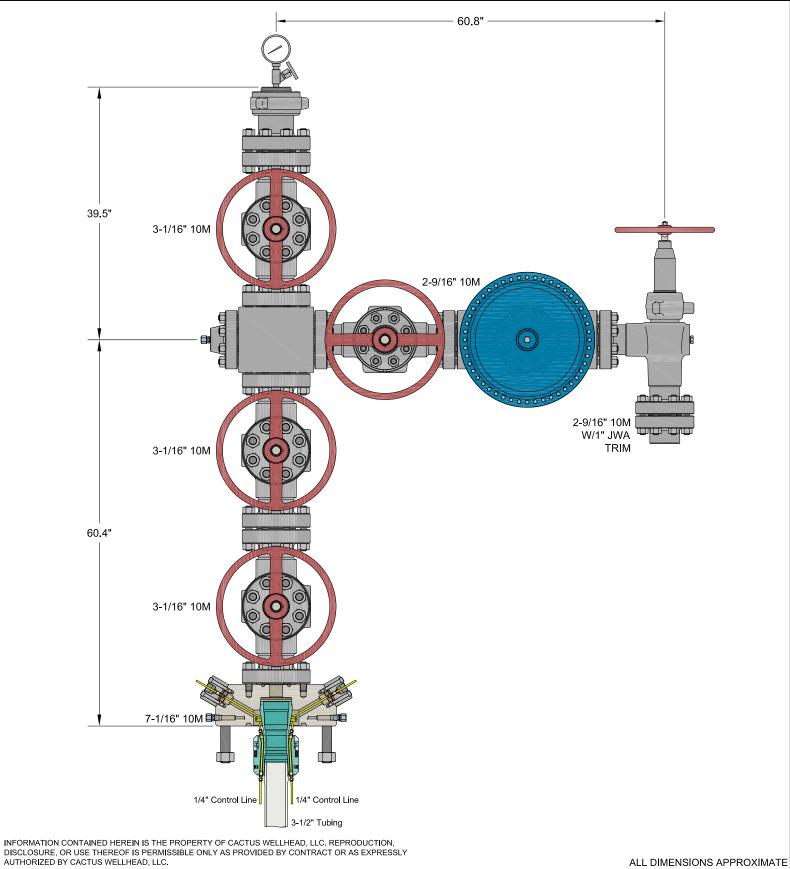
Date: 07/07/2023

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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. <u>DELIVERY.</u> 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 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. <u>RETURNS/REFUND.</u> 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. <u>DELAYS</u>. 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. <u>LIMITATION OF DAMAGES</u>. 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).
- 15. <u>SECURITY INTEREST</u>. 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. <u>DECEPTIVE TRADE PRACTICES</u>. 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. <u>AUTHORITY.</u> 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. <u>FORCE MAJEURE</u>. 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. <u>CONFIDENTIALITY</u>. 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.

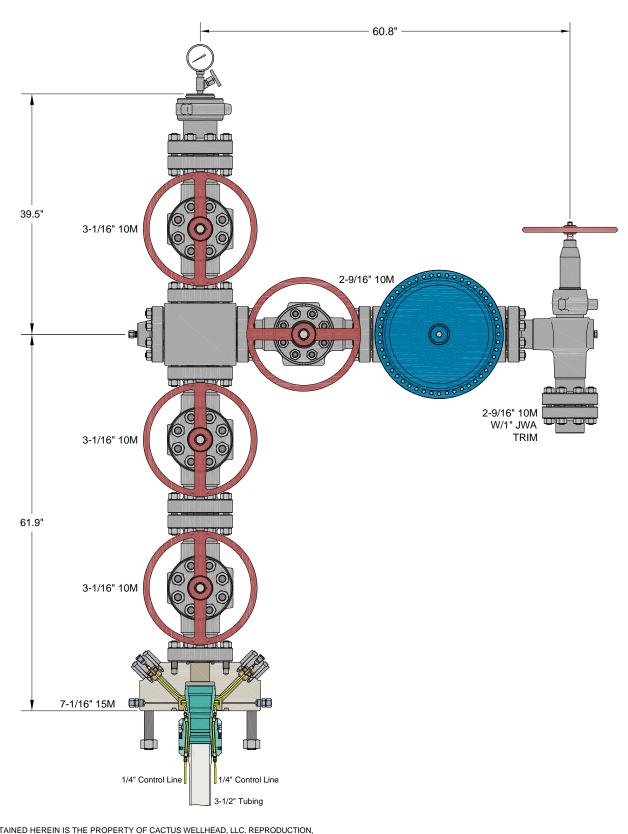


CIMAREX

CACTUS WELLHEAD LLC		ŀ
7-1/16" 10M x 3-1/16" x 2-9/16" 10M Production Tree Assembly	DRAWN	
•	APPRV	
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	DRAWING NO	0.

	HOBBS, NM	
DRAWN	VJK	05SEP23
APPRV		

HBE0001018



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 APPROXIMAT

CACTUS WELLHEAD LLC		CIMAREX HOBBS, NM	
7-1/16" 15M x 3-1/16" x 2-9/16" 10M Production Tree Assembly	DRAWN	VJK	13DEC23
•	APPRV		
With 7-1/16" 15M x 3-1/16" 10M T40-CCL Tubing Head Adapter		LIDEOO	1010
And 7-1/16" 3-1/2" T40-CCL Tubing Hanger	DRAWING NO	o. HBE000	1018



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Bill To: 7050 **Ship To:** 1016

CIMAREX ATTN: DAVID SHAW 202 S CHEYENNE AVENUE SUITE 1000 TULSA OK 74103 US 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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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 12042MW			Quantity	Price	Ext Price
ADPT,TBGIID,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,PS12_PR2 2 120242MV		PRODUCTION TREE ASSEMBLY			
WP.TEMP PU_MATL EE_PSL2_PR2 1.00 4,343.00 4,3 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 4,3 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 4,3 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) 1.20242MV 1.00 4,343.00 4,3 VLV_CW_SB100,3-1/16 10M X 2-9/16 10M,6A-LU-EE-3 1.20242MV 1.00 4,343.00 4,3 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) 1.20242MV 1.00 4,343.00 4,3 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) 1.20242MV 1.00 1,270.00	1	124314P2	1.00	4,830.00	4,830.00
120242MV			LP INLETS,10000	PSI MAX	
VENT HOLE) 1 120242MV	2		1.00	4,343.00	4,343.00
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) 4 128365 1.00 2,650.00 2,6 CRSS,STD,AOZE,3-1/16 10M X 2-9/16 10M,6A-LU-EE-3 5 120242MV 1.00 4,343.00 4,3 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) 6 142800 1.00 1,270.00 1,2 TREECAP,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 7 BX154 5.00 10.44 RING GASKET,BX154,3-1/16 10/15/20M 8 780077-20E1 16.00 19.83 3 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 9 132879 1.00 495.00 4 FLG,BLIND,AOZE,3-1/16 10M X 1/2 NPT,W/HUB,TEMP LU,MATL EE,PSL3 10 100048 1.00 59.74 FTG,GRS,VENTED CAP,1/2 NPT,4/140 -50F W/ELECTROLESS NICKEL COATING NACE,K-MONEL BALL,INCONEL X-750 SPRING 11 115900MV 1.00 3,285.00 3,2 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) 12 128567 1.00 8,292.00 8,2 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) 12 128567 1.00 8,292.00 8,2 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) 13 130652 1.00 7,500.00 7,5 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			I 6A PR1 SECTIO	ON 10.5.2 (BOR	RE
VENT HOLE) 128365	3	120242MV	1.00	4,343.00	4,343.00
CRSS,STD,AOZE,3-1/16 10M X 2-9/16 10M,6A-LU-EE-3 120242MV		VENT HOLE)			
5 120242MV	4	128365	1.00	2,650.00	2,650.00
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) 142800 1.00 1,270.00 1,2 TREECAP,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 7 BX154 5.00 10.44 RING GASKET,BX154,3-1/16 10/15/20M 8 780077-20E1 16.00 19.83 3 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 9 132879 1.00 495.00 4 FLG,BLIND,AOZE,3-1/16 10M X 1/2 NPT,W/HUB,TEMP LU,MATL EE,PSL3 10 100048 1.00 59.74 FTG,GRS,VENTED CAP,1/2 NPT,4140 -50F W/ELECTROLESS NICKEL COATING NACE,K-MONEL BALL,INCONEL X-750 SPRING 11 115900MV 1.00 3,285.00 3,2 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) 12 128567 1.00 8,292.00 8,2 VLV/ACT,OMNL,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 EB, TEMP P (-20F TO 180F) PR-2 (FC TYPE) W/MANUAL OVERRIDE,ACTUATOR REQUIRES 112 PSI TO OPEN AT FULL 10,000 PSI 13 130652 1.00 7,500.00 7,5 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		CRSS,STD,AOZE,3-1/16 10M X 2-9/16 10M,6A-LU-EE-3			
VENT HOLE) 142800 1.270.00 1.27 TREECAP,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 7 BX154 5.00 10.44 RING GASKET,BX154,3-1/16 10/15/20M 8 780077-20E1 16.00 19.83 3 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 9 132879 1.00 495.00 4 FIG.BLIND,AOZE,3-1/16 10M X 1/2 NPT,W/HUB,TEMP LU,MATL EE,PSL3 10 100048 1.00 59.74 FTG,GRS,VENTED CAP,1/2 NPT,4140 -50F W/ELECTROLESS NICKEL COATING NACE,K-MONEL BALL,INCONEL X-750 SPRING 11 115900MV 1.00 3,285.00 3,2 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) 12 128567 1.00 8,292.00 8,2 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 13 130652 1.00 7,500.00 7,5 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	5	120242MV	1.00	4,343.00	4,343.00
TREECAP,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 BX154 RING GASKET,BX154,3-1/16 10/15/20M 8 780077-20E1 16.00 19.83 3 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 9 132879 1.00 495.00 4 FLG,BLIND,AOZE,3-1/16 10M X 1/2 NPT,W/HUB,TEMP LU,MATL EE,PSL3 10 100048 1.00 59.74 FTG,GRS,VENTED CAP,1/2 NPT,4140 -50F W/ELECTROLESS NICKEL COATING NACE,K-MONEL BALL,INCONEL X-750 SPRING 11 115900MV 1.00 3,285.00 3,2 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) 12 128567 1.00 8,292.00 8,2 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 13 130652 1.00 7,500.00 7,5 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		VENT HOLE)		`	
PU,MATL EE,PSL2 RIS154 RING GASKET,BX154,3-1/16 10/15/20M 8 780077-20E1 16.00 19.83 3 STUD,ALL-THD W/2 HVY HEX NUTS,BLK,1-SUNC 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 9 132879 1.00 495.00 4 FLG,BLIND,AOZE,3-1/16 10M X 1/2 NPT,W/HUB,TEMP LU,MATL EE,PSL3 10 100048 1.00 59.74 FTG,GRS,VENTED CAP,1/2 NPT,4140 -50F W/ELECTROLESS NICKEL COATING NACE,K-MONEL BALL,IN-CONEL X-750 SPRING 11 115900MV 1.00 3,285.00 3,2 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) 12 128567 1.00 8,292.00 8,2 VLV/ACT,OMNI,FS-R,2-9/16 10M FE EE HF C/W MODEL DX-18 DIAPHRAGM PNEUMATIC ACTUATOR, FO-RGED 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 13 130652 1.00 7,500.00 7,5 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	6			•	1,270.00
RING GASKET,BX154,3-1/16 10/15/20M 780077-20E1 16.00 19.83 3 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 132879 1.00 495.00 4 FLG,BLIND,AOZE,3-1/16 10M X 1/2 NPT,W/HUB,TEMP LU,MATL EE,PSL3 10 100048 1.00 59.74 FTG,GRS,VENTED CAP,1/2 NPT,4140 -50F W/ELECTROLESS NICKEL COATING NACE,K-MONEL BALL,INCONEL X-750 SPRING 11 115900MV 1.00 3,285.00 3,2 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) 12 128567 1.00 8,292.00 8,2 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 13 130652 1.00 7,500.00 7,5 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	_	PU,MATL EE,PSL2			
8 780077-20E1 16.00 19.83 3 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 9 132879 1.00 495.00 4 FLG,BLIND,AOZE,3-1/16 10M X 1/2 NPT,W/HUB,TEMP LU,MATL EE,PSL3 10 100048 1.00 59.74 FTG,GRS,VENTED CAP,1/2 NPT,4140 -50F W/ELECTROLESS NICKEL COATING NACE,K-MONEL BALL,INCONEL X-750 SPRING 11 115900MV 1.00 3,285.00 3,2 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) 12 128567 1.00 8,292.00 8,2 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 13 130652 1.00 7,500.00 7,5 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	7		5.00	10.44	52.20
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 132879 1.00 495.00 4 FLG,BLIND,AOZE,3-1/16 10M X 1/2 NPT,W/HUB,TEMP LU,MATL EE,PSL3 10 100048 1.00 59.74 FTG,GRS,VENTED CAP,1/2 NPT,4140 -50F W/ELECTROLESS NICKEL COATING NACE,K-MONEL BALL,INCONEL X-750 SPRING 11 115900MV 1.00 3,285.00 3,2 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) 12 128567 1.00 8,292.00 8,2 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 13 130652 1.00 7,500.00 7,5 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					
BSL-1 ASTM A194 GR 2H HEAVY HEX NUTS,NO PLATING 132879 1.00 495.00 4 FLG,BLIND,AOZE,3-1/16 10M X 1/2 NPT,W/HUB,TEMP LU,MATL EE,PSL3 10 100048 1.00 59.74 FTG,GRS,VENTED CAP,1/2 NPT,4140 -50F W/ELECTROLESS NICKEL COATING NACE,K-MONEL BALL,INCONEL X-750 SPRING 11 115900MV 1.00 3,285.00 3,2 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) 12 12 128567 1.00 8,292.00 8,2 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 13 130652 1.00 7,500.00 7,5 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	8				317.28
FLG,BLIND,AOZE,3-1/16 10M X 1/2 NPT,W/HUB,TEMP LU,MATL EE,PSL3 10 100048 1.00 59.74 FTG,GRS,VENTED CAP,1/2 NPT,4140 -50F W/ELECTROLESS NICKEL COATING NACE,K-MONEL BALL,INCONEL X-750 SPRING 11 115900MV 1.00 3,285.00 3,2 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) 12 128567 1.00 8,292.00 8,2 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 13 130652 1.00 7,500.00 7,5 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	•	BSL-1 ASTM A194 GR 2H HEAVY HEX NUTS,NO PLATING			
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FTG,GRS,VENTED CAP,1/2 NPT,4140 -50F W/ELECTROLESS NICKEL COATING NACE,K-MONEL BALL,INCONEL X-750 SPRING 11 115900MV		FLG,BLIND,AOZE,3-1/16 10M X 1/2 NPT,W/HUB,TEMP LU,MATL EE,PSL3			
SPRING 11 115900MV 1.00 3,285.00 3,2 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) 12 128567 1.00 8,292.00 8,2 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 13 130652 1.00 7,500.00 7,5 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	10				59.74
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) 12 128567 1.00 8,292.00 8,2 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 13 130652 1.00 7,500.00 7,5 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		SPRING			
HOLE) 12 128567 1.00 8,292.00 8,2 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 13 130652 1.00 7,500.00 7,5 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	11			,	3,285.00
12 128567 1.00 8,292.00 8,2 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 13 130652 1.00 7,500.00 7,5 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			I 6A PR2 ANNEX	AF (BORE VEI	NT
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 13 130652 1.00 7,500.00 7,5 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	12		1.00	8,292.00	8,292.00
13 130652 1.00 7,500.00 7,5 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		REVERSE ACTING SLAB GATE, FLOATING SEATS & DIRECTIONAL FLOW BODY BUS LEFT): MAT'L CLASS EE, HARDFACE TRIM, TEMP PU (-20 TO 250 F), PSL-2, PR-2; ACTU TEMP P (-20F TO 180F) PR-2 (FC TYPE) W/MANUAL OVERRIDE, ACTUATOR REQUIRES	HING (FLOW FR JATOR: MATER	OM RIGHT TO IAL CLASS BI) B,
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	12		1.00	7 500 00	7 500 00
MONOGRAMMED,PSL-2 PR-2 TEMP-PU MATL-EE-1.5	13			7,500.00	7,500.00
14 120734 1.00 399.00 3	14	MONOGRAMMED,PSL-2 PR-2 TEMP-PU MATL-EE-1.5		200.00	399.00
FLG,COMP,AOZE,2-9/16 10M X 2-7/8 EU,5000 PSI MAX WP,TEMP LU,PSL3,PR1	14		1.00	399.00	399.00



Hobbs, NM 4120 W Carlsbad Hwy Hobbs NM 88240 Phone: 817-682-8336 **Quote Number: HBE0001018**

Date: 09/08/2023

Valid For 30 Days

Page 3 of 5

			Quantity	Price	Ext Price			
15	BX153		5.00	11.54	57.70			
	RING GASKE	Г,ВХ153,2-9/16 10/15/20М						
16	780067-20E1		24.00	14.70	352.80			
	•	ID W/2 HVY HEX NUTS,BLK,7/8-9UNC X 6-1/2,API 20E BSL-1 ASTM A194 GR 2H HEAVY HEX NUTS,NO PLATING	ASTM A193 GR B7 ALL THRE	AD STUD W/	2			
17	135166		1.00	4,490.00	4,490.00			
		T40-CCL,7-1/16 X 3-1/2 EU API MOD BOX BTM X 3-1/2 EU BO EAL,CF 124316P2,10000 PSI MAX WP,17-4PH SS,TEMP PU,MA		O 1/4 CCL &				
18	BX156		1.00	62.48	62.48			
	RING GASKE	Γ,BX156,7-1/16 10/15/20M						
19	NVS		1.00	61.16	61.16			
	NEEDLE VALVE,MFS,1/2 NPT MXF,10M PSI WP,CARBON STEEL BODY, 304/316SS STEM, TFE PACKING (NON-NACE)							
20	PG10M		1.00	58.24	58.24			
	PRESSURE GA	AUGE,10M,4-1/2 FACE, LIQUID FILLED,1/2 NPT						
21	PRO	Prorata Freight	0.75	2,768.56	2,076.42			
					49,338.02			
	OPTIONAL	15M ADAPTER						
22	124999P2		0.00	7,423.00	0.00			
	,	,CW,T40-CCL,7-1/16 15M STD X 3-1/16 10M STD,W/TWO #14 I MAT'L EE,PSL2,PR2	DHCV W/1/4 NPT INLET,10000	PSI MAX				
					0.00			

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.

For Acceptance of this Quotation Please Contact Ph: 713-626-8800	Matl: Labor:	47,261.60 0.00
sales@cactuswellhead.com Sale	Misc:	2,076.42 0.00
	Total:	49,338.02



Hobbs, NM 4120 W Carlsbad Hwy Hobbs NM 88240 Phone: 817-682-8336 Quote Number: HBE0001018

Date:

Valid For 30 Days

Page 4 of 5

09/08/2023

CACTUS WELLHEAD. LLC PURCHASE TERMS AND CONDITIONS

- 1. <u>ACCEPTANCE</u>: 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. <u>TERMS OF PAYMENT</u>. 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. <u>LIMITED WARRANTY</u>. 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 FILE DEXPERIENCE 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 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 AND 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
- 6. <u>INSPECTION.</u> 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) nigury 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 WILLIFUL 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 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



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

Quote Number: HBE0001018

Date:

Valid For 30 Days

Page 5 of 5

09/08/2023

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. <u>DELIVERY.</u> 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. <u>RETURNS/REFUND.</u> 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. <u>DELAYS</u>. 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. <u>LIMITATION OF DAMAGES</u>. 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).
- 15. <u>SECURITY INTEREST</u>. 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. <u>DECEPTIVE TRADE PRACTICES</u>. 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. <u>AUTHORITY.</u> 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. <u>FORCE MAJEURE</u>. 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. <u>CONFIDENTIALITY</u>. 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.

Gates Engineering	
Doc. Ref.	Form-056
Revision	4

CERTIFICATE OF CONFORMITY



Gates SO No. 31675	Customer Name & Address:
Cutes 66 110: 61010	Gates Engineering & Services North America
Clients PO No: 1714987/ 0	7603, Prairie Oak Drive
	—— Suite 190
Description: 3" Choke & Kill Hose x 35ft	Houston, TX 77086
Bootipiloni o onoko a kin nobo x obit	United States

This is to certify that the components listed below have been supplied in accordance API 16C & with the referenced order number above. The assemblies listed below have been manufactured and tested in the UK

SPECIFICATION

ITEM DESCRIPTION Drawing Num QTY 3" Choke & Kill Hose x 35ft complete with 4.1/16" API 6A 10K Fixed Flange 31675-DW-001, 2 with BX155 Inlaid Ring Groove on one end & 4.1/16" API 6A 10K Swivel 1 Rev 0 Flange with BX155 Inlaid Ring Groove On the other end Hose Batch: 120839 Hose Assembly: 120840 Customer Tag: N/A Working Pressure: 10000 PSI Test Pressure: 15000 PSI Standard: API 16C PSL: FSL 3 Material Grade: F Temperature Rating: -25 to +100 Deg C

Accepted by S.A.Tait

. for and on behalf of Gates Engineering & Services UK Ltd

Gates Engineering & Services UK Ltd				
Doc. Ref.	Form-051			
Revision	9			

PRESSURE TEST CERTIFICATE



						Certificate No:
BURST	▽ HYD	ROSTATIC		CYCLIC	С	31675-002
Product:	3" Choke &	Kill Hose	ı	Hose WO/B	atch:	120839
Assembly WO:	120840	20840 Length: 3		35Ft		
SO No:	31675	Date:		11/02/20		
Client:		Engineering & Client Reference:		1714987/ 0		
		· .				
Inner Diameter:	3	Inch				
Working Pressure:	10000	Psi		690	bar	
Test Pressure:	15000	Psi		1034	bar	
Burst Pressure:	22500	Psi		1551	bar	
Hose Description:				•		API 6A 10K Fixed Flange

Hose	Descriptio	n: with BX155 Inlaid Ring Groove o	ete with 4.1/16" API 6A 10K Fixed Flange n one end & 4.1/16" API 6A 10K Swivel I Ring Groove On the other end
Item No	Qty	Part Code	Customer Tag No (if applicable)
2	1	HA31623-001	N/A

Details of Test:	Pressure tested with water at ambient temperature for 60 minutes at test pressure 1034 BAR, Chart recording done with Yokagawa Data Logger S/N: S5NC08915 Transducer ESI GS4200EX3000DE ID:TD/DC-002, S/N: 2018-741502 Calibration Certificate No: IKMCERTL9111
Results:	Pressure Loss: 11.4 Bar Acceptance Criteria: Pressure loss not to exceed - 34.47 Bar or 500 PSI

GESUK Ltd	Third Party
17/02/20	

Received by OCD: 5/23/2024 9:40:12 AM

Serial No. : S5NC08915

Print Groups : GROUP 1

Print Range : 11/02/2020 18:06:20.000 - 11/02/2020 21:08:10.000

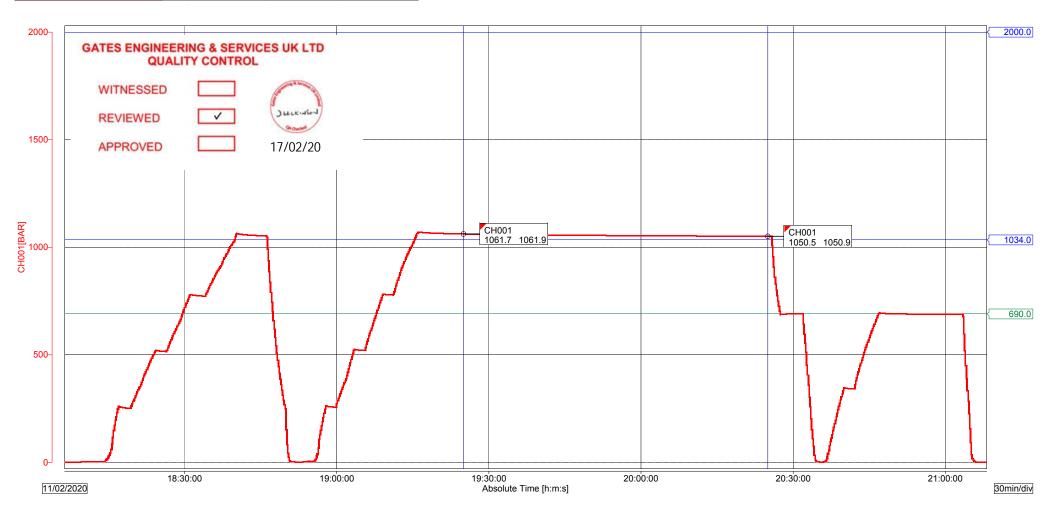
: Factory Acceptance Test Comment

		Cursor A	Cursor B	Difference
Data No.		472	832	360
Absolute Time		11/02/2020 19:25:00.000	11/02/2020 20:25:00.000	01:00:00.000
Channel		Value A	Value B	Value B-A
CH001	Max	1061.9	1050.9	-11.0
[BAR] Min		1061.7	1050.5	-11.2

Section	472	- 83	11/02/20	20 19:25:00.000	- 11/02/20	20 20:25:00.000	
Channel		MIN	MAX	P-P	Mean	RMS	
CH001[BAR]		1050.5	1061.9	11.4	1055.0	1055.1	

: 11/02/2020 18:06:20.000

: 11/02/2020 21:08:10.000



Start Time

Stop Time

REPORT OF THOROUGH EXAMINATION OF LIFTING EQUIPMENT

IN ACCORDANCE WITH LIFTING OPERATIONS AND LIFTING EQUIPMENT REGULATIONS 1998

ALL ITEMS ON THIS REPORT ARE SAFE TO USE

NAME & ADDRESS OF COMPANY FOR WHOM THE EXAMINATION WAS MADE	ADDRESS OF THE PREMISES WHER	PREMISES WHERE THE EXAMINATION WAS MADE	N WAS MADE	DATE OF REPORT	08/01/2020	0
Gates Engineering & Services UK Ltd Bassington Drive	Tusk Lifting Ltd 49D Sadler Forster Way			REPORT NO	13322	
Bassington Industrial Estate Cramlington	Teesside Industrial Estate Stockton-On-Tees			CUSTOMER REFERENCE	ICE 052628	
Gates	176 /181			CONTRACT NO.	0000059501)1
TOTY ID NO. DESCRIPTION OF EQUIPMENT INCLUDING MANUFACTURER AND DATE OF MANUFACTURE	JFACTURER AND DATE OF MANUFACTURE	SWL / WLL	EWL	EXAM REASON (SEE BELOW)	TEST APPLIED	LATEST DATE OF NEXT THOROUGH EXAMINATION
Solution Sing c/w 4.75t Safety Pin Bow Shackle each end c/w 4.75t Safety	id - WITHIN 6 MONTHS; C - WITHIN 12 M	4 TONNE	6 FT EN SCHEME; E -	4 TONNE 6 FT B VISUAL C - WITHIN 12 MONTHS; D - WRITTEN SCHEME; E - EXCEPTIONAL CIRCUMSTANCES.	VISUAL	08/07/2020
⊕ Oname and qualification of person making the report		E PERSON AUTHENTICATING THE REPORT	E REPORT			
S Jimmy Joyce, Company Approved Examiner	Julie Montgomery, Planner	10				

Jimmy Joyce, Company Approved Examiner

SIGNATURE

SIGNATURE

DATE OF THOROUGH EXAMINATION 08/01/2020

THE ORIGINAL MANUFACTURERS EC DECLARATION OF CONFORMITY IS HELD ON FILE AT OUR PREMISES AND IS AVAILABLE UPON REQUEST OPERATING INSTRUCTIONS CAN BE FOUND ON OUR WEBSITE, HTTP://www.TUSKLIFTING.CO.UK

Tusk Lifting Ltd.

49D Sadler Forster Way. Teesside Industrial Estate. Stockton On Tees. TS17 9JY

E. teesside@tusklifting.co.uk W. tusklifting.co.uk T. 01642 915330

VAT. GB258876247 **REG.** 10497383





IMB52628

LEEA Full Member 4

Villiam Hackett



























4S DESCRIBED PLY WITH THE

CONF	DECLARE THAT THOON THIS DOCUMEN REQUIREMENTS OIRECTIVE	MANUFA	CERTIFIED ON B
60 50			

8

FICATE

COMPANY	
EHALF OF THE	3
ERTIFIED ON BEHALF OF THE COMPAN	N N

PRODUCTS REQUIRING A DECLARATION OF CONFORMITY

Date Received: 17/12/2019

Certificate Number: L072222 Supplied To: TUS002

Customer Order No: 7557

(STOCK)

TUSK LIFTING LTD

Delivery Address

TEESIDE INDUSTRIAL ESTATE 49D SADLER FORSTER WAY

STOCKTON ON TEES

TS17 9JY

ARE INDICATED BY (A)

THOSE REQUIRING JUST A MANUFACTURER'S

CERTIFICATE BY (B)

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Authorised per	son for the config	Authorised person for the configuration of the declaration documents: Tim Burgess, William Hackett Lifting Products, Alnwick, UK	Hackett Liff	ting Products, Al	nwick, UK	
Lot No / Serial No	Product	Description	Qty	Working Load Limit	Proof Load	Min Breaking Load
643615/1-50	HNZZZ.100.TUSK	643615/1-50 HNZZZ.100.TUSK 10mm grade 10 chain sling assembly. Comprising of: 1 x 4.75t Safety Bow Shackle, 1 x 10mm connector, 10mm grade 10 chain, 1 x 10mm connector and 1 x 4.75t Safety Bow	50	44		
		5/25/20				

Report Version 2-5

IMB52628

Website: www.williamhackett.co.uk Co. Registration No. 09679580 VAT Reg. No. 217 3508 23 Tel. + 44 (0) 1655 604200 Fax. + 44 (0) 1665 604204 Email: info@williamhackett.co.uk OAK DRIVE, LIONHEART ENTERPRISE PARK, ALNWICK, NORTHUMBERLAND NE66 2EU

Page 1 of 1

Batch P02637

A/B Ø







3.1 Material Certificate

DATE: 18.12.2019	PURCHASE ORDER NO. 7557
Street Head to the second seco	

CUSTOMER	TUSK LIFTING LIMITED
ADDRESS	49D SADLER FORSTER WAY TEESIDE IND EST STOCKTON ON TEES TS17 9JY

PRODUCT CODE: ASV.100.5 Marking: 1235

DESCRIPTION: 10MM GRADE 10 LIFTING CHAIN – Q61076

Chemical Composition –

	%
С	0,215
Si	0,216
Mn	1,222
Р	0,0076
S	0,0071
Ni	0,947
Cr	0,554
Cu	-
Mo	0,595
AL	0,0337

Trading & Registered Office: Oak Drive, Lionheart Enterprise Park, Alnwick, Northumberland NE66 2EU

Tel: +44 (0) 1665 604200 Website: www.williamhackett.co.uk

Received by OCD: 5/23/2024 9:40:12 AM

Fax: +44 (0) 1665 604204 CRN: 09679580 Email: info@williamhackett.co.uk VAT Registration No. 217 3508 23

YOKE INDUSTRIAL CORP.

#39,33rd Road, Taichung Industrial Park, TAICHUNG 407, TAIWAN TEL:+886-4-2350 8088

Safety is our first priority

Test Certificate

Oak Drive OKE YOKE YOKE Lionheart Enterprise Park, Alnwick, Northumberland, NE66 2EU United Kingdom Tel: 44-1665604200

G100, Connecting Link, 10mm, 3/8 Batch No . YUA Quantity : 1,800

7	KE \$ YOKE 9 YOK	SYOKS YOKE	OKE Mn (E)YC	ENYOPENYORE	TOKES OKEO	OKEEYCKERYO	Eevokmo voices	OKE# NIKE#YO	EAYOK F. CYOKE S
等甚代	0.18~0.30	0.15~0.40	0.70~1.30	<0.035	EeYOKEEYOKE	0.40~1.10	0.15~0.40	0.40~1.00	MESYOMESTON ONE Other

Mini. Breaking Magnetic Flux

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子を行う事	Fatigue Rate	NESACKESACKESACKESACKESACKESACKESACKES KESACKESACKESACKESACKESACKESACKESACKESAC
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YOKE INDUSTRIAL CORP

Gates Engineeing & Services UK Limited Cerified

YOKE INDUSTRIAL CORP.

#39,33rd Road, Taichung Industrial Park, TAICHUNG 407, TAIWAN TEL:+886-4-2350 8088 FAX:+886-4-2350 1001

Test Certificate

Oak Drive, Restokes yokes Lionheart Enterprise Park, Alnwick, Northumberland, NE66 2EU United Kingdom Te1: 44-1665604200 ITEM: DA-808-19 DA Bolt Pin Anchor Shackle, 3/4 (Your PO no. 601644) Batch No : AAA/AA Quantity: 1,142

Mini, Breaking Load Magnetic Flux Crack Tested: Working Load

Proof Load Test	ESADKESAOKESADKEPADKESAOKESAOKESAOKESAOKESAOKESAOKESAOKESAO
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TESTING ACCORDING TO EN 13889 RR-C-271F DNVGL-ST-E273 EN 12079-2 IMO/MSC Circular 860 ISO 9001:2015 Certification by DNVGL and API Inspection Test Certificate meet the EN 10204 3.1 These shackle have been designed, approved and tested in accordance with DNVGL-ST-E271 Offshore Containers.

YOKE INDUSTRIAL CORP

IN ACCORDANCE WITH LIFTING OPERATIONS AND LIFTING EQUIPMENT REGULATIONS 1998 REPORT OF THOROUGH EXAMINATION OF LIFTING EQUIPMENT

ALL ITEMS ON THIS REPORT ARE SAFE TO USE

	20.00	30.00	γΓQ	NE23 8AS		Cran	Bass	Bass	Gate	NAME
IML52690/20	IMK52690/30 IML52690/01 -	IMK52690/01 -	ID NO.	8 8AS		Cramlington	Bassington Industrial Estate	Bassington Drive	Gates Engineering & Services UK Ltd	& ADDRESS OF COMPANY
Material CERT : GI9268	Material CERT : GI9268 3.6T Safety Clamp CS Galv - 195MM	3.6T Safety Clamp CS Galv - 195MM	DESCRIPTION OF EQUIPMENT INCLUDING MANUFACTURER AND DATE OF MANUFACTURE				ite		ices UK Ltd	NAME & ADDRESS OF COMPANY FOR WHOM THE EXAMINATION WAS MADE
			ACTURER AND DATE OF MANUFACTURE		TS17 9JY	Stockton-On-Tees	Teesside Industrial Estate	49D Sadler Forster Way	Tusk Lifting Ltd	ADDRESS OF THE PREMISES WHERE THE EXAMINATION WAS MADE
	3.6 TONNE	3.6 TONNE	SWL / WLL							E THE EXAMINATION WA
		•	EWL							S MADE
	B	В	EXAM REASON (SEE BELOW)	CONTRACT NO.		CUSTOMER REFERENCE		REPORT NO		DATE OF REPORT
	PROOF LOAD	PROOF LOAD	TEST APPLIED	0000059627		NCE 052690		13586		21/01/2020
	21/07/2020	21/07/2020	LATEST DATE OF NEXT THOROUGH EXAMINATION	27						0

REASON FOR EXAMINATION: A - NEW INSTALLATION OR NEW LOCATION; B - WITHIN 6 MONTHS; C - WITHIN 12 MONTHS; D - WRITTEN SCHEME; E - EXCEPTIONAL CIRCUMSTANCES

NAME OF THE PERSON AUTHENTICATING THE REPORT

NAME AND QUALIFICATION OF PERSON MAKING THE REPORT

immy Joyce, Company Approved Examiner

25 GNATURE

SIGNATURE

DATE OF THOROUGH EXAMINATION

21/01/2020

Julie Montgomery, Planner

RERATING INSTRUCTIONS CAN BE FOUND ON OUR WEBSITE, HTTP://WWW.TUSKLIFTING.CO.UK

VAT. GB258876247

REG. 10497383

Pusk Lifting Ltd.

9D Sadler Forster Way. Teesside Industrial Estate.

Received by 190 Sadler Forster Way. Teesside Industrial Estate.

191 Sadler Forster Way. Teesside Industrial Estate.

W. tusklifting.co.uk

E. teesside@tusklifting.co.uk

T. 01642 915330





The materials has been evaluated and radiation is within national limits product suitable for galvanizing 0.14<=51<=0.251 k p<=0.035)

Steel making

ssapodd

Certified that the material detailed hereon meets the requirements of the specified standard.

Cardiff,

20.08.2019

Stuart Thomas Quality Manager

Electric arc

Pag 2

IML52690

CELSA STEEL UK
OFFICES: Build. 58, Castle Works, East Moors Road
OFFICES: Build. 58, Castle Works, East Moors Road

OCF24 5NN Cardiff (United Kingdom)

MANUFACTURING UK

UK MADE

Hot rolled structural steel products Cert No: 0038/CPR/LRQ4002811/1 DOP: CELSAUK001

Customer: CARTER STEEL LTD TS18 3SA STOCKTON YARM ROAD, STOCKTON

Standard BS-EN 10025-2004

Hot rolled structural steel products

S275 JR+AR FL130X10 L.6m

CM124288 0.10 CM124288

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S275 JR+AR

FL130X10 L.6m

S275 JR+AR FL130X12 L.6m S275 JR+AR FL130X12 L.6m

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CM124647 0.08

CM124647 -0-08 - 0-53 - - 0-14 - - 0-023

JR+AR FL150X12 L.6m

S275 JR+AR FL150X12 L.6m

S275 JR+AR FL150X6 L.6m S275 JR+AR FL150X6 L.6m

S275 JR+AR FL150X6 L.6m

JR+AR FL50X15 L.6m

S275 JR+AR FL50X15 L.6m

S275 JR+AR FL50X15 L.6m

JR+AR FL50X15-01-6m

MATERIAL

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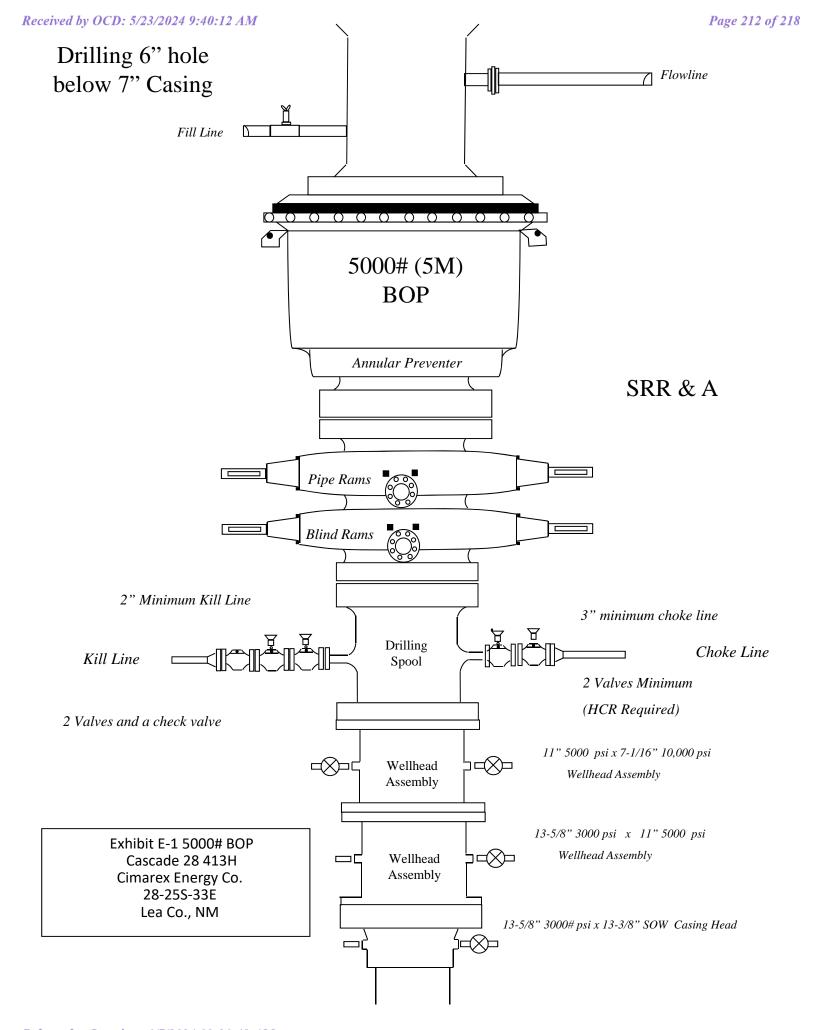
United Kingdom

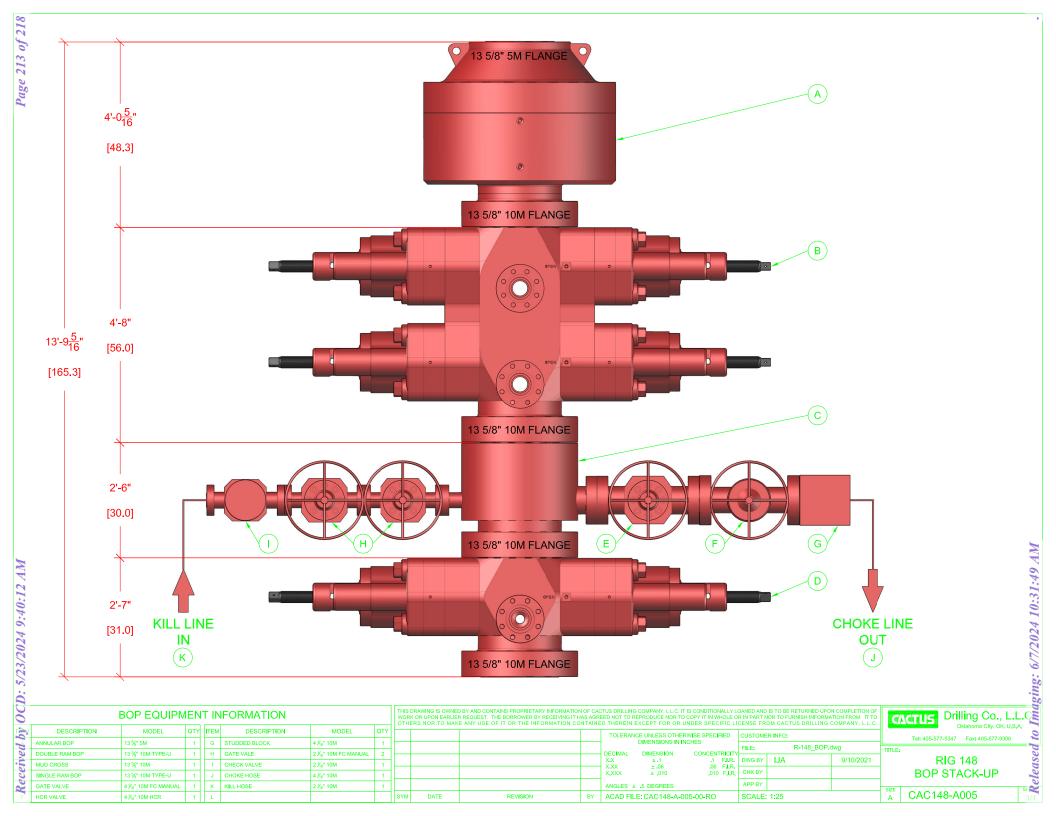
Destination: YARM ROAD, STOCKTON CARTER STEEL LTD United Kingdom TS18 3SA STOCKTON

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Your order Order number Delivery number: 2550169238 :15705941 :11049

Engineering & Services Released to Imaging: 6/7/2024 10:31:49 AM

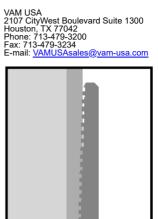


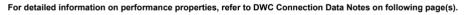


Technical Specifications

Connection Type:Size(O.D.):Weight (Wall):Grade:DWC/C-IS PLUS Casing
STANDARD5-1/2 in23.00 lb/ft (0.415 in)VST P110 RY

C/C-IS PLUS Ca	sing	5-1/2 in	23.00 lb/ft (0.415
VST P110 RY 110,000 125,000		Yield Strength (psi.) Ultimate Strength (p:	si.)
5.500 4.670 0.415 23.00 22.56 6.630	Nominal F Nominal V Nominal V Plain End	ensions Pipe Body O.D. (in.) Pipe Body I.D. (in.) Vall Thickness (in.) Veight (lbs./ft.) Weight (lbs./ft.) Pipe Body Area (sq. i	n.)
729,000 14,540 14,530 13,300	Minimum Minimum Minimum	y Performance Prop Pipe Body Yield Stre Collapse Pressure (p Internal Yield Pressure (psi ic Test Pressure (psi	ength (lbs.) osi.) ure (psi.)
6.300 4.670 4.545 4.13 6.630 100.0	Connectic Connectic Connectic Make-up I	ea (sq. in.))
729,000 22,640 759,000 729,000 14,540 14,530 91.7	Joint Strein Reference API Joint Compress API Collar API Intern	on Performance Prongth (lbs.) e String Length (ft) 1. Strength (lbs.) sion Rating (lbs.) ose Pressure Rating al Pressure Resistar Uniaxial Bend Ratin	.4 Design Factor (psi.) nce (psi.)
17,700 20,400	Minimum	rated Field End Toro Final Torque (ftlbs.) Final Torque (ftlbs.))





Connection Yield Torque (ft.-lbs.)

Connection specifications within the control of VAM USA were correct as of the date printed. Specifications are subject to change without notice. Certain connection specifications are dependent on the mechanical properties of the pipe. Mechanical properties of mill proprietary pipe grades were obtained from mill publications and are subject to change. Properties of mill proprietary grades should be confirmed with the mill. Users are advised to obtain current connection specifications and verify pipe mechanical properties for each application.

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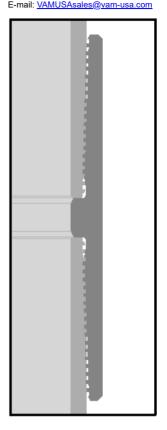
23,000



VAM USA 2107 CityWest Boulevard Suite 1300 Houston, TX 77042 Phone: 713-479-3200 Fax: 713-479-3234

DWC Connection Data Notes:

- 1. DWC connections are available with a seal ring (SR) option.
- All standard DWC/C connections are interchangeable for a given pipe OD. DWC connections are interchangeable with DWC/C-SR connections of the same OD and wall.
- Connection performance properties are based on nominal pipe body and connection dimensions.
- DWC connection internal and external pressure resistance is calculated using the API rating for buttress connections. API Internal pressure resistance is calculated from formulas 31, 32, and 35 in the API Bulletin 5C3.
- DWC joint strength is the minimum pipe body yield strength multiplied by the connection critical area.
- API joint strength is for reference only. It is calculated from formulas 42 and 43 in the API Bulletin 5C3.
- 7. Bending efficiency is equal to the compression efficiency.
- The torque values listed are recommended. The actual torque required may be affected by field conditions such as temperature, thread compound, speed of make-up, weather conditions, etc.
- 9. Connection yield torque is not to be exceeded.
- 10. Reference string length is calculated by dividing the joint strength by both the nominal weight in air and a design factor (DF) of 1.4. These values are offered for reference only and do not include load factors such as bending, buoyancy, temperature, load dynamics, etc.
- 11. DWC connections will accommodate API standard drift diameters.



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Connection Data Sheet

 OD (in.)
 WEIGHT (lbs./ft.)
 WALL (in.)
 GRADE
 API DRIFT (in.)
 RBW%
 CONNECTION

 5.000
 Nominal: 18.00
 0.362
 VST P110RY
 4.151
 87.5
 DWC/C-IS PLUS

 Plain End: 17.95

	PIPE PROPERTIES			
Outside Diameter		5.000	in.	Connection Typ
Inside Diameter		4.276	in.	Connection O.0
Nominal Area		5.275	sq.in.	Connection I.D.
Grade Type		API 5CT		Make-Up Loss
Min. Yield Strength		110	ksi	Coupling Lengt
Max. Yield Strength		125	ksi	Critical Cross S
Min. Tensile Strength		125	ksi	Tension Efficie
Yield Strength		580	klb	Compression E
Ultimate Strength		659	klb	Internal Pressu
Min. Internal Yield		13,940	psi	External Pressi
Collapse		13,470	psi	

CONNECTION PRO	OPERTIES .	
Connection Type	Semi-Prem	ium T&C
Connection O.D. (nom)	5.800	in.
Connection I.D. (nom)	4.276	in.
Make-Up Loss	4.063	in.
Coupling Length	9.125	in.
Critical Cross Section	5.275	sq.in.
Tension Efficiency	100.0%	of pipe
Compression Efficiency	100.0%	of pipe
Internal Pressure Efficiency	100.0%	of pipe
External Pressure Efficiency	100.0%	of pipe
		- 1

CONNECTION PERFORMANCES				
Yield Strength	580	klb		
Parting Load	659	klb		
Compression Rating	580	klb		
Min. Internal Yield	13,940	psi		
External Pressure	13,470	psi		
Maximum Uniaxial Bend Rating	100.8	°/100 ft		
Reference String Length w 1.4 Design Factor	23,020	ft.		

FIELD END TORQUE \	/ALUES	
Min. Make-up torque	13,300	ft.lb
Opti. Make-up torque	14,200	ft.lb
Max. Make-up torque	15,100	ft.lb
Min. Shoulder Torque	1,330	ft.lb
Max. Shoulder Torque	10,640	ft.lb
Min. Delta Turn	-	Turns
Max. Delta Turn	0.200	Turns
Maximum Operational Torque	16,900	ft.lb
Maximum Torsional Value (MTV)	18,590	ft.lb

Need Help? Contact: tech.support@vam-usa.com Reference Drawing: 8084PP Rev.01 & 8084BP Rev.01

Date: 03/03/2020 Time: 01:10:05 PM



For detailed information on performance properties, refer to DWC Connection Data Notes on following page(s).

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VAM USA

2107 CityWest Boulevard Suite 1300

Houston, TX 77042 Phone: 713-479-3200 Fax: 713-479-3234

VAM[®] USA Sales E-mail: <u>VAMUSAsales@vam-usa.com</u> Tech Support Email: <u>tech.support@vam-usa.com</u>

DWC Connection Data Sheet Notes:

- DWC connections are available with a seal ring (SR) option.
- All standard DWC/C connections are interchangeable for a given pipe OD. DWC connections are interchangeable with DWC/C-SR connections of the same OD and wall.
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- API joint strength is for reference only. It is calculated from formulas 42 and 43 in the API Bulletin 5C3.
- Bending efficiency is equal to the compression efficiency.
- The torque values listed are recommended. The actual torque required may be affected by field conditions such as temperature, thread compound, speed of make-up, weather conditions, etc.
- Connection yield torque is not to be exceeded.
- 10. Reference string length is calculated by dividing the joint strength by both the nominal weight in air and a design factor (DF) of 1.4. These values are offered for reference only and do not include load factors such as bending, buoyancy, temperature, load dynamics, etc.
- DWC connections will accommodate API standard drift diameters.
- DWC/C family of connections are compatible with API Buttress BTC connections. Please contact tech.support@vam-usa.com for details on connection ratings and make-up.

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indirect, special, incidental, punitive, exemplary or consequential loss or damage (including without limitation, loss of use, loss of bargain, loss of revenue, profit or anticipated profit) however caused or arising, and whether such losses or damages were foreseeable or VAM USA or its affiliates was advised of the possibility of such damages.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 347051

CONDITIONS

Operator:	OGRID:
CIMAREX ENERGY CO.	215099
	Action Number:
Midland, TX 79706	347051
	Action Type:
	[C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104	6/7/2024
pkautz	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	6/7/2024
pkautz	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	6/7/2024
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing	6/7/2024
pkautz	If cement does not circulate on any string, a CBL is required for that string of casing	6/7/2024