AFMSS

U.S. Department of the Interior
Bureau of Land Management

Application for Permit to Drill

APD Package Report

Date Printed: 06/22/2026 02:38 PM

APD ID:	10400092266	Well Status:	AAPD
APD Received Date:	05/15/2023 08:22 AM	Well Name:	JS 24 22 FED COM
Operator:	CHEVRON USA INCORPORATED	Well Number:	411H

APD Package Report Contents

- Form 3160-3

- Operator Certification Report

- Application Report
- Application Attachments
  -- Well Plat: 1 file(s)

- Drilling Plan Report
- Drilling Plan Attachments
  -- Blowout Prevention Choke Diagram Attachment: 2 file(s)
  -- Blowout Prevention BOP Diagram Attachment: 3 file(s)
  -- Casing Design Assumptions and Worksheet(s): 5 file(s)
  -- Hydrogen sulfide drilling operations plan: 1 file(s)
  -- Proposed horizontal/directional/multi-lateral plan submission: 2 file(s)
  -- Other Facets: 6 file(s)
  -- Other Variances: 1 file(s)

- SUPO Report
- SUPO Attachments
  -- New Road Map: 1 file(s)
  -- Attach Well map: 1 file(s)
  -- Production Facilities map: 3 file(s)
  -- Water source and transportation map: 1 file(s)
  -- Well Site Layout Diagram: 1 file(s)
  -- Recontouring attachment: 1 file(s)
  -- Other SUPO Attachment: 1 file(s)

- PWD Report
- PWD Attachments
  -- None

- Bond Report

- Bond Attachments
  -- None

Form 3160-3
(October 2024)

FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 2027

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: NMNM113943

6. If Indian, Allotee or Tribe Name:

1a. Type of work: [✔] DRILL [ ] REENTER

1b. Type of Well: [ ] Oil Well [✔] Gas Well [ ] Other

1c. Type of Completion: [ ] Hydraulic Fracturing [✔] Single Zone [ ] Multiple Zone

7. If Unit or CA Agreement, Name and No.:

8. Lease Name and Well No.: JS 24 22 FED COM 411H

2. Name of Operator: CHEVRON USA INCORPORATED

9. API Well No.: 30-015-58764

3a. Address: PO BOX 1392, BAKERSFIELD, CA 93302

3b. Phone No. *(include area code)*: (661) 633-4000

10. Field and Pool, or Exploratory: PURPLE SAGE/WOLFCAMP (GAS)

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface: SWNW / 2267 FNL / 825 FWL / LAT 32.028956 / LONG -104.235117

At proposed prod. zone: NWSW / 1380 FSL / 25 FWL / LAT 32.024263 / LONG -104.289176

11. Sec., T. R. M. or Blk. and Survey or Area: SEC 19/T26S/R27E/NMP

14. Distance in miles and direction from nearest town or post office*: 35 miles

12. County or Parish: EDDY

13. State: NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any): 825 feet

16. No of acres in lease: 1280

17. Spacing Unit dedicated to this well: 960.0

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.: 200 feet

19. Proposed Depth: 8707 feet / 25178 feet

20. BLM/BIA Bond No. in file: FED: ES0022

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 3365 feet

22. Approximate date work will start*: 03/13/2027

23. Estimated duration: 147 days

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.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be requested by the BLM.

25. Signature: (Electronic Submission)

Name *(Printed/Typed)*: CAROL ADLER / Ph: (432) 687-7866

Date: 05/15/2023

Title: Sr Regulatory Affairs Coordinator

Approved by *(Signature)*: (Electronic Submission)

Name *(Printed/Typed)*: CODY LAYTON / Ph: (575) 234-5959

Date: 06/22/2026

Title: Assistant Field Manager Lands & Minerals

Office: Carlsbad Field 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

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 06/22/2026

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.

(Continued on page 3)

Additional Operator Remarks

Location of Well

0. SHL: SWNW / 2267 FNL / 825 FWL / TWSP: 26S / RANGE: 27E / SECTION: 19 / LAT: 32.028956 / LONG: -104.235117 (TVD: 0 feet, MD: 0 feet)

PPP: NESE / 1380 FSL / 330 FEL / TWSP: 26S / RANGE: 26E / SECTION: 24 / LAT: 32.024329 / LONG: -104.238805 (TVD: 8976 feet, MD: 9564 feet)

BHL: NWSW / 1380 FSL / 25 FWL / TWSP: 26S / RANGE: 26E / SECTION: 22 / LAT: 32.024263 / LONG: -104.289176 (TVD: 8707 feet, MD: 25178 feet)

BLM Point of Contact

Name: CANDY VIGIL

Title: LLE

Phone: (575) 234-5982

Email: CVIGIL@BLM.GOV

JS 24 22 FED COM 411H

APD - Geology COAs (Not in Potash or WIPP)

- For at least one well per pad (deepest well within initial development preferred) the record of the drilling rate (ROP) along with the Gamma Ray (GR) and Neutron (CNL) well logs run from TVD to surface in the vertical section of the hole shall be submitted to the BLM office as well as all other logs run on the full borehole 30 days from completion. Any other logs run on the wellbore, excluding cement remediation, should also be sent. Only digital copies of the logs in .TIF or .LAS formats are necessary; paper logs are no longer required. Logs shall be emailed to blm-cfo-geology@doimspp.onmicrosoft.com. Well completion report should have .pdf copies of any CBLs or Temp Logs run on the wellbore.

- Exceptions: In areas where there is extensive log coverage (in particular the salt zone adjacent to a pad), Operators are encouraged to contact BLM Geologists to discuss if additional GR and N logs are necessary on a pad. Operator may request a waiver of the GR and N log requirement due to good well control or other reasons to be approved by BLM Geologist prior to well completion. A waiver approved by BLM must be attached to completion well report to satisfy COAs.

- The top of the Rustler, top and bottom of the Salt, and the top of the Capitan Reef (if present) are to be recorded on the Completion Report.

Be aware that:

- No H2S has been reported within one mile of the proposed project.

Questions? Contact Thomas Evans, BLM Geologist at 575-234-5965 or tvevans@blm.gov

PECOS DISTRICT
SURFACE USE
CONDITIONS OF APPROVAL

CHEVRON USA INCORPORATED
LEASE NO.: NMNM114970, NMNM113943, NMNM141002, and NMNM113944
Eddy XXX County, New Mexico

Well Pad 1

JS 30 19 FED 401H
Surface Hole Location: 847' FSL & 1888' FEL, Section 30, T. 26S., R. 27E.
Bottom Hole Location: 25' FNL & 380' FWL, Section 19, T. 26S, R 27E.

JS 30 19 FED 402H
Surface Hole Location: 847' FSL & 1868' FEL, Section 30, T. 26S., R. 27E.
Bottom Hole Location: 25' FNL & 1260' FWL, Section 19, T. 26S, R 27E.

JS 30 19 FED 403H
Surface Hole Location: 847' FSL & 1848' FEL, Section 30, T. 26S., R. 27E.
Bottom Hole Location: 25' FNL & 2140' FWL, Section 19, T. 26S, R 27E.

JS 30 19 FED 404H
Surface Hole Location: 847' FSL & 1828' FEL, Section 30, T. 26S., R. 27E.
Bottom Hole Location: 25' FNL & 2260' FEL, Section 19, T. 26S, R 27E.

JS 30 19 FED 405H
Surface Hole Location: 847' FSL & 1808' FEL, Section 30, T. 26S., R. 27E.
Bottom Hole Location: 25' FNL & 1380' FEL, Section 19, T. 26S, R 27E.

JS 30 19 FED 406H
Surface Hole Location: 847' FSL & 1788' FEL, Section 30, T. 26S., R. 27E.
Bottom Hole Location: 25' FNL & 500' FEL, Section 19, T. 26S, R 27E.

Well Pad 2

JS 24 22 FED COM 407H
Surface Hole Location: 2187' FNL & 825' FWL, Section 19, T. 26S., R. 27E.
Bottom Hole Location: 380' FNL & 25' FWL, Section 22, T. 26S, R 26E.

JS 24 22 FED COM 408H
Surface Hole Location: 2207' FNL & 825' FWL, Section 19, T. 26S., R. 27E.
Bottom Hole Location: 1260' FNL & 25' FWL, Section 22, T. 26S, R 26E.

JS 24 22 FED COM 409H
Surface Hole Location: 2227' FNL & 825' FWL, Section 19, T. 26S., R. 27E.
Bottom Hole Location: 2140' FNL & 25' FWL, Section 22, T. 26S, R 26E.

JS 24 22 FED COM 410H
Surface Hole Location: 2247' FNL & 825' FWL, Section 19, T. 26S., R. 27E.
Bottom Hole Location: 2260' FSL & 25' FWL, Section 22, T. 26S, R 26E.

JS 24 22 FED COM 411H
Surface Hole Location: 2267' FNL & 825' FWL, Section 19, T. 26S., R. 27E.
Bottom Hole Location: 1380' FSL & 25' FWL, Section 22, T. 26S, R 26E.

JS 24 22 FED COM 412H
Surface Hole Location: 2287' FNL & 825' FWL, Section 19, T. 26S., R. 27E.
Bottom Hole Location: 500' FSL & 25' FWL, Section 22, T. 26S, R 26E.

Well Pad 4

JS 35 34 FED COM 201H
Surface Hole Location: 707' FNL & 270' FEL, Section 35, T. 26S., R. 26E.
Bottom Hole Location: 330' FNL & 25' FWL, Section 34, T. 26S, R 26E.

JS 35 34 FED COM 202H
Surface Hole Location: 822' FNL & 271' FEL, Section 35, T. 26S., R. 26E.
Bottom Hole Location: 1600' FNL & 25' FWL, Section 34, T. 26S, R 26E.

JS 35 34 FED COM 251H

Surface Hole Location: 722' FNL & 270' FEL, Section 35, T. 26S., R. 26E.

Bottom Hole Location: 720' FNL & 25' FWL, Section 34, T. 26S, R 26E.

JS 35 34 FED COM 252H

Surface Hole Location: 842' FNL & 271' FEL, Section 35, T. 26S., R. 26E.

Bottom Hole Location: 1770' FNL & 25' FWL, Section 34, T. 26S, R 26E.

JS 35 34 FED COM 419H

Surface Hole Location: 762' FNL & 270' FEL, Section 35, T. 26S., R. 26E.

Bottom Hole Location: 380' FNL & 25' FWL, Section 34, T. 26S, R 26E.

JS 35 34 FED COM 420H

Surface Hole Location: 802' FNL & 271' FEL, Section 35, T. 26S., R. 26E.

Bottom Hole Location: 1260' FNL & 25' FWL, Section 34, T. 26S, R 26E.

JS 35 34 FED COM 601H

Surface Hole Location: 742' FNL & 270' FEL, Section 35, T. 26S., R. 26E.

Bottom Hole Location: 380' FNL & 25' FWL, Section 34, T. 26S, R 26E.

JS 35 34 FED COM 602H

Surface Hole Location: 782' FNL & 270' FEL, Section 35, T. 26S., R. 26E.

Bottom Hole Location: 1260' FNL & 25' FWL, Section 34, T. 26S, R 26E.

Well Pad 5

JS 21 16 FED COM 421H

Surface Hole Location: 644' FNL & 2498' FWL, Section 28, T. 26S., R. 26E.

Bottom Hole Location: 25' FNL & 380' FWL, Section 16, T. 26S, R 26E.

JS 21 16 FED COM 422H

Surface Hole Location: 644' FNL & 2518' FWL, Section 28, T. 26S., R. 26E.

Bottom Hole Location: 25' FNL & 1260' FWL, Section 16, T. 26S, R 26E.

JS 21 16 FED COM 423H

Surface Hole Location: 644' FNL & 2538' FWL, Section 28, T. 26S., R. 26E.

Bottom Hole Location: 25' FNL & 2140' FWL, Section 16, T. 26S, R 26E.

JS 21 16 FED COM 424H

Surface Hole Location: 644’ FNL & 2558’ FWL, Section 28, T. 26S., R. 26E.

Bottom Hole Location: 25’ FNL & 2260’ FEL, Section 16, T. 26S, R 26E.

JS 21 16 FED COM 425H

Surface Hole Location: 643’ FNL & 2578’ FWL, Section 28, T. 26S., R. 26E.

Bottom Hole Location: 25’ FNL & 1380’ FEL, Section 16, T. 26S, R 26E.

JS 21 16 FED COM 426H

Surface Hole Location: 643’ FNL & 2598’ FWL, Section 28, T. 26S., R. 26E.

Bottom Hole Location: 25’ FNL & 500’ FEL, Section 16, T. 26S, R 26E.

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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).

- Figure 1. Pipe H-brace specifications

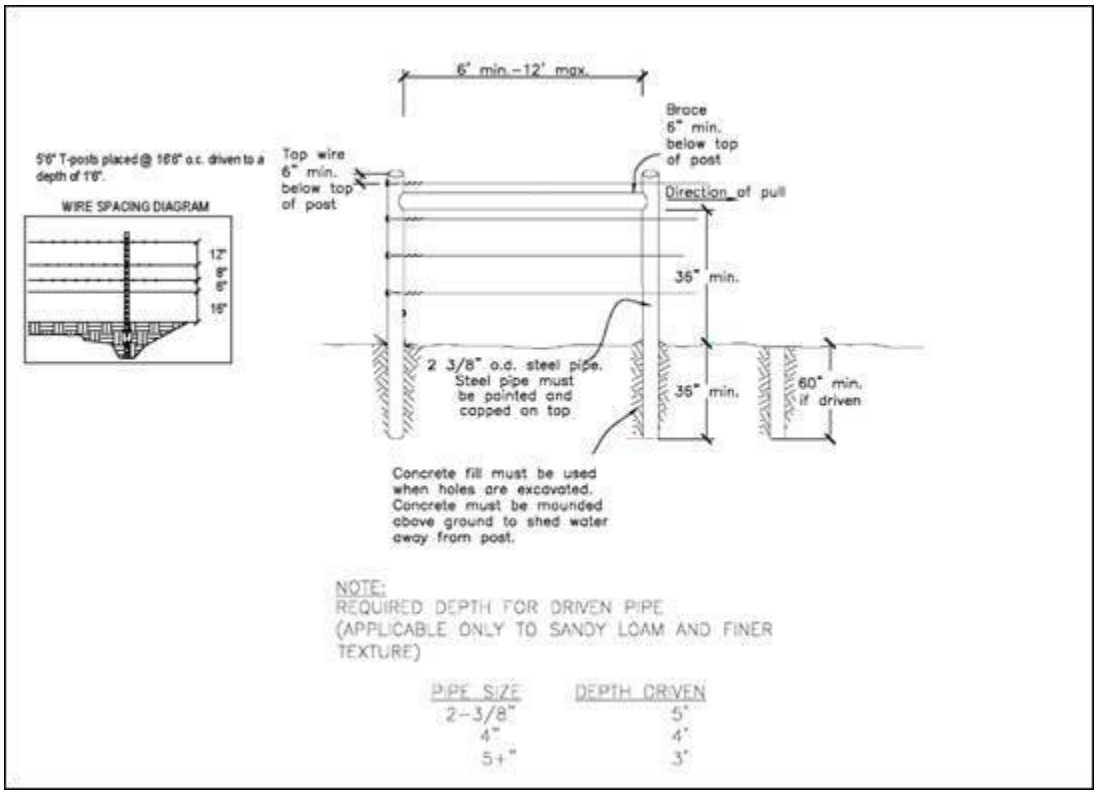
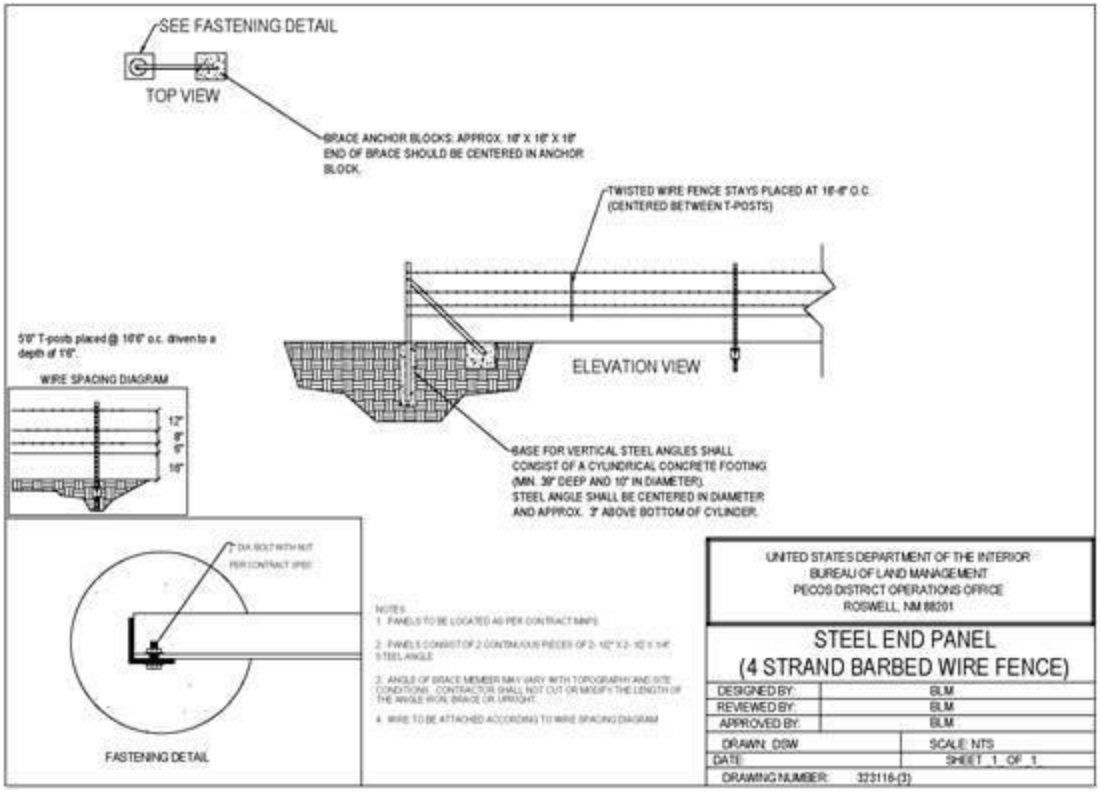


Figure 2. Angle iron brace specifications



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.

Blading would not be conducted in areas of gypsum soils.

LIGHT POLLUTION

Shielding: All permanent exterior lighting fixtures associated with the project shall be full-cutoff (zero up-light) as defined by the Illuminating Engineering Society of North America (IESNA). Fixtures shall be installed such that no light is emitted above 80 degrees nadir and light distribution is confined to the intended work area.

Lighting Intensity: Lighting intensity shall not exceed 0.5 foot-candles at the project boundary unless higher levels are required to meet OSHA or MUTCD safety standards.

Correlated Color Temperature (CCT): All permanent lighting fixtures shall have a CCT of 3000 Kelvin or lower. High-intensity discharge fixtures (mercury vapor, metal halide) are prohibited. Acceptable fixtures include low-pressure sodium or warm-spectrum LED.

Temporary Lighting: The Operator shall remove all temporary lighting within 30 days of construction completion or cessation of nighttime work unless otherwise approved in writing by the AO.

2. SPECIAL REQUIREMENTS

2.1. WATERSHED

2.1.1. **General Construction**

- Any water erosion that may occur due to the construction of ROW/surface site and during the life of the ROW/surface site will be quickly corrected and proper measures will be taken to prevent future erosion.
    - Erosion control structures such as curled (plastic free and weed free) wood/straw fiber wattles/logs, silt fences, diversion berms, or other soil erosion controls to slow water migration across disturbed areas should be installed during construction and reclamation or as needed.
    - Regular monitoring of any erosion control structures placed in or along the ROW/surface site is recommended, both following precipitation events and regularly during monsoon season (June – September).
- Any spills or leaks will be reported to the BLM immediately for their immediate and proper treatment.

2.1.2. **Access Road(s)**

- The submitter is responsible for maintenance of the road during the proposed ROW term.

- When crossing ephemeral drainages, low water crossings or culverts should be installed as appropriate.
    - Low water crossings should be adequately armored with gabions, rock aprons and/or riprap.
    - Culvert pipes shall be used for crossing ephemeral streams where drainage dips or low water crossings are not feasible. The minimum culvert diameter must be 18 inches. Due to flash floods, increased overland flow, and related debris, the BLM strongly recommends the operator increases the culvert diameter to 24 inches or larger. Flared culvert, rock armoring, and gravel are recommended for culvert stability. Culvert location and required diameter are shown on the attached map. If culverts or drainage crossings are needed, they should be designed for a 25-year or greater storm frequency, without development of a static head at the pipe inlet. Any culvert pipe installed shall be of sufficient diameter to pass the anticipated flow of water.
    - As appropriate, rock check dams should be installed above and/or below the drainage crossing to further reduce erosion potential.
- Turnout ditches/drainage leadoffs should be installed along the ROW at every 5-foot change in elevation. Turnout ditches and drainage leadoffs should not be constructed in such a manner as to alter the natural flow of water into or out of naturally occurring drainage features.
- Water bars should be placed within the ROW to divert and dissipate surface runoff.

2.1.3. **Well Pad/Surface Site(s)**

- The entire surface site/pad(s) will be bermed to prevent oil, salt, and other chemical contaminants from leaving the well pad. No waterflow from the uphill side(s) of the pad shall be allowed to enter the well pad.
- Topsoil shall not be used to construct the berm. The compacted berm should be constructed at a minimum of 12 inches with impermeable mineral material (e.g. caliche).
- The integrity of the berm shall be maintained around the surfaced pad throughout the life of the well and around the downsized pad after interim reclamation has been completed.
- Any water erosion that may occur due to the construction of the well pad during the life of the well will be immediately corrected and proper measures will be taken to prevent future erosion.
- Stockpiling of topsoil is required. The topsoil shall be stockpiled in an appropriate location with wattles (recommended minimum 9” height) surrounding the stockpiled soil to prevent soil loss due to water/wind erosion. The wattles are to be maintained throughout the life of the project.
- If fluid collects within the bermed area, the fluid must be vacuumed into a safe container and disposed of properly at a state-approved facility.

2.1.4. **Tank Battery**

- Tank battery locations will be lined and bermed. Tank battery berms should be large enough to contain 1 ½ times the content of the largest tank or 24-hour production, whichever is greater. Liners should be permanently installed, at least 20 mm thick with a 4 oz. felt backing to prevent tears or punctures.
- Automatic shut off, check valves, or similar systems will be installed for tanks to minimize the effects of catastrophic line failures used in production or drilling.

2.1.5. **Buried/Surface Line(s)**

- When crossing ephemeral drainages (marked and unmarked), the pipeline(s) will be buried to a minimum depth of **48 inches** from the top of pipe to ground level. In ephemeral flow paths, rivers, and streams excess soil is to be compacted, contoured, and level to ground surface, allowing water to flow in its natural state. Additional seeding may be required in floodplains and drainages to restore energy dissipating vegetation.

- Prior to pipeline installation/construction, a leak detection plan will be developed. The method(s) could incorporate gauges to detect pressure drops, situating valves and lines so they can be visually inspected periodically or installing electronic sensors to alarm when a leak is present. The leak detection plan should incorporate an automatic shut-off system or manual shut-off valves with active monitoring to minimize the effects of an undesirable event.
- Regular monitoring is required to quickly identify leaks for their immediate and proper treatment.

2.1.6. **Electric Line(s)**

- A power pole should not be placed in drainages, playas, wetlands, riparian areas, or floodplains and must span across the features at a distance away that would not promote further erosion.

2.1.7. **Temporary Use Fresh Water Frac Line(s)**

- Once the temporary use exceeds the timeline of 180 days and/or with a 90-day extension status; further analysis will be required if the applicant pursues to turn the temporary ROW into a permanent ROW.
- The pipeline is to not obstruct ephemeral drainages or streams, allowing water to flow in its natural state unobstructed.
- Prior to pipeline installation/construction, a leak detection plan will be developed. The method(s) could incorporate gauges to detect pressure drops, situating valves and lines so they can be visually inspected periodically or installing electronic sensors to alarm when a leak is present. The leak detection plan should incorporate an automatic shut-off system or manual shut-off valves with active monitoring to minimize the effects of an undesirable event.
- Regular monitoring is required to quickly identify leaks for their immediate and proper treatment.

2.1.8. **Ephemeral Streams and Drainages**

- Due to the sensitive gypsum soils, erosion control structures will be installed at the following locations to reduce erosion potential and sediment transport into nearby drainages and/or karst features. Regular monitoring of any erosion control structures is recommended, both following precipitation events and regularly during monsoon season (June 15 – September 15).
    - For the below identified well pads, erosion control measures will be employed on the exterior of the pad berm between the listed approximate locations and on any cut/fill slopes which have a slope greater than 4:1. Erosion control structures such as (plastic-free and weed-free) wood/straw fiber wattles/logs, erosion control mats (coco fiber, straw, or similar), and/or rock armor will be placed on the downslope side of disturbed areas for sediment control during construction and maintained until soils and vegetation have stabilized.

Hydrologic Feature	Project Component	Approximate Location	Map Reference
Unnamed drainage	Well Pad 1, SW corner	104.2277938°W 32.0076936°N to 104.2253739°W 32.0070589°N	Appx A Figure 2-2, JS 30 19 FED Pad Plat
Unnamed drainage	Well Pad 2, NW corner	104.2352566°W 32.0302824°N to 104.2365672°W 32.0291444°N	Appx A Figure 2-2, JS 24 22 FED Pad Plat
Unnamed drainage	Well Pad 4, SW corner	104.2563938°W 32.0037585°N to 104.2554265°W 32.0029834°N	Appx A Figure 2-2, JS 35-34 Fed Com Pad Plat
Unnamed drainage	Well Pad 5, SW corner	104.2995464°W 32.0191766°N to 104.2973249°W 32.0179485°N	Appx A Figure 2-2, JS 21-16 Fed Com Pad Plat

- Erosion control measures will be employed between the below listed points along the identified ROWs. Along this stretch, excess soil and fill material will be compacted, contoured, and level to ground surface, allowing water to flow in its natural state. Erosion control structures such as (plastic-free and weed-free) wood/straw fiber wattles/logs and/or

silt fences will be placed on the downstream side of disturbed areas for sediment control during construction and maintained until soils and vegetation have stabilized.

Hydrologic Feature	Project Component	Approximate Location	Map Reference
Unnamed drainage	Pipeline SegmentA6, B6, D4	104.2249755°W 32.0115712°N to 104.2282136°W 32.0170030°N	Appx A Figure 2-2, JS 30 19 FED Pipeline EDS Plat
Unnamed drainage	Pipeline Segment A11, A12, B11, B12	104.2452164°W 32.0205168°N to 104.2437966°W 32.0188740°N	Appx A Figure 2-2, Pipeline/EDS Plat JS Compression Station & CTB
Unnamed drainage	Pipeline Segment A6-A8	104.2563938°W 32.0037585°N to 104.2560990°W 32.0029469°N	Appx A Figure 2-2, JS 35-34 Fed Com Pad Plat
Unnamed drainage	Pipeline Segment A16, A17	104.2995464°W 32.0191766°N to 104.2996337°W 32.0181050°N	Appx A Figure 2-2, JS 21-16 Fed Com Pad Plat

2.2. CAVE/KARST

2.2.1. **General Construction**

- No blasting
- The BLM, Carlsbad Field Office, will be informed immediately if any subsurface drainage channels, cave passages, or voids are penetrated during construction, and no additional construction shall occur until clearance has been issued by the Authorized Officer.
- All linear surface disturbance activities will avoid sinkholes and other karst features to lessen the possibility of encountering near surface voids during construction, minimize changes to runoff, and prevent untimely leaks and spills from entering the karst drainage system.
- This is a sensitive area and all spills or leaks will be reported to the BLM immediately for their immediate and proper treatment, as defined in NTL 3A for Major Undesirable Events.

2.2.2. **Pad Construction**

- The pad will be constructed and leveled by adding the necessary fill and caliche. No blasting will be used for any construction or leveling activities.
- The entire perimeter of the well pad will be bermed to prevent oil, salt, and other chemical contaminants from leaving the well pad.
- The compacted berm shall be constructed at a minimum of 12 inches high with impermeable mineral material (e.g., caliche).
- No water flow from the uphill side(s) of the pad shall be allowed to enter the well pad.
- The topsoil stockpile shall be located outside the bermed well pad.
- Topsoil, either from the well pad or surrounding area, shall not be used to construct the berm.
- No storm drains, tubing or openings shall be placed in the berm.
- If fluid collects within the bermed area, the fluid must be vacuumed into a safe container and disposed of properly at a state approved facility.
- The integrity of the berm shall be maintained around the surfaced pad throughout the life of the well and around the downsized pad after interim reclamation has been completed.

- Any access road entering the well pad shall be constructed so that the integrity of the berm height surrounding the well pad is not compromised (i.e. an access road crossing the berm cannot be lower than the berm height).
- Following a rain event, all fluids will be vacuumed off of the pad and hauled off-site and disposed at a proper disposal facility.

2.2.3. **Road Construction**

- Turnout ditches and drainage leadoffs will not be constructed in such a manner as to alter the natural flow of water into or out of cave or karst features.
- Special restoration stipulations or realignment may be required if subsurface features are discovered during construction.

2.2.4. **Buried Pipeline/Cable Construction**

- Rerouting of the buried line(s) may be required if a subsurface void is encountered during construction to minimize the potential subsidence/collapse of the feature(s) as well as the possibility of leaks/spills entering the karst drainage system.

2.2.5. **Powerline Construction**

- 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.
- Special restoration stipulations or realignment may be required if subsurface voids are encountered.

2.2.6. **Surface Flowlines Installation**

- Flowlines will be routed around sinkholes and other karst features to minimize the possibility of leaks/spills from entering the karst drainage system.

2.2.7. **Production Mitigation**

- Tank battery locations and facilities will be bermed and lined with a 20-mil thick permanent liner that has a 4 oz. felt backing, or equivalent, to prevent tears or punctures. Secondary containment holding capacity must be large enough to contain 1 ½ times the content of the largest tank or 24-hour production, whichever is greater (displaced volume from all tanks within the berms MUST be subtracted from total volume of containment in calculating holding capacity).
- Implementation of a leak detection system to provide an early alert to operators when a leak has occurred.
- Automatic shut off, check values, or similar systems will be installed for pipelines and tanks to minimize the effects of catastrophic line failures used in production or drilling.

2.2.8. **Residual and Cumulative Mitigation**

The operator will perform annual pressure monitoring on all casing annuli. If the test results indicate a casing failure has occurred, contact a BLM Engineer immediately, and take remedial action to correct the problem.

2.2.9. **Plugging and Abandonment Mitigation**

Upon well abandonment in high cave karst areas, additional plugging conditions of approval may be required. The BLM will assess the situation and work with the operator to ensure proper plugging of the wellbore.

2.3 WILDLIFE

2.3.1. **Texas Hornshell Mussel**

Oil and Gas and Associated Infrastructure Mitigation Measures for Zone D – CCA Boundary Requirements:

- Provide CEHMM with the permit, lease, or other authorization form BLM, if applicable.
- Provide CEHMM with plats or other electronic media describing the new surface disturbance for the project.

SPECIAL STATUS PLANT SPECIES

- Fence all SSPS within 30 meters of disturbance while construction is occurring.
- Remove all fencing materials after construction has concluded from public land.
- If Scheer's beehive cactus is observed during the construction, cease activities and obtain a "take" permit from the State Forester's office.

2.4 VISUAL RESOURCE MANAGEMENT

2.5.1 **VRM IV**

Performance Standard by VRM Class: The Operator shall design, construct, operate, and reclaim lease developments to meet the VRM IV Class objectives for the site. Change may be high; the Operator shall minimize contrast through careful location, limited disturbance, and repetition of native form/line/color/texture.

Painting: All permanent surface structures, including treatment facilities, storage tanks, buildings, compressors, piping 4 inches or greater, and power facilities (except those subject to safety-color requirements), shall be painted with a flat, non-reflective finish selected from the BLM Standard Environmental Color Chart (CC-001: June 2008). The color specified for this project is Shale Green.

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.

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

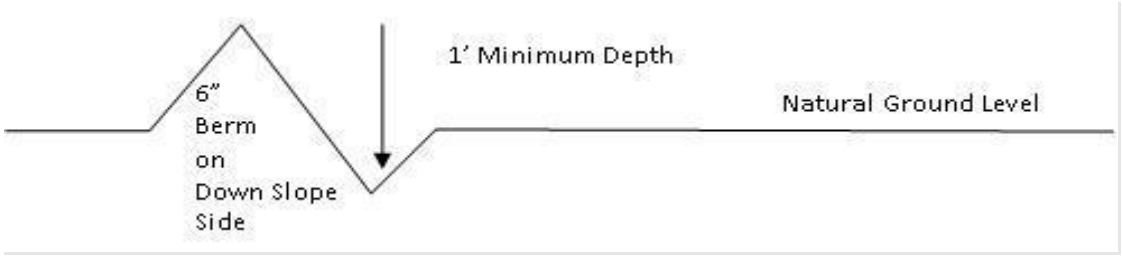
Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall conform to Figure 1; cross section and plans for typical road construction.

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:

400 foot road with 4% road slope: $\frac{400'}{4}$ + 100' = 200' lead-off ditch interval

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

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

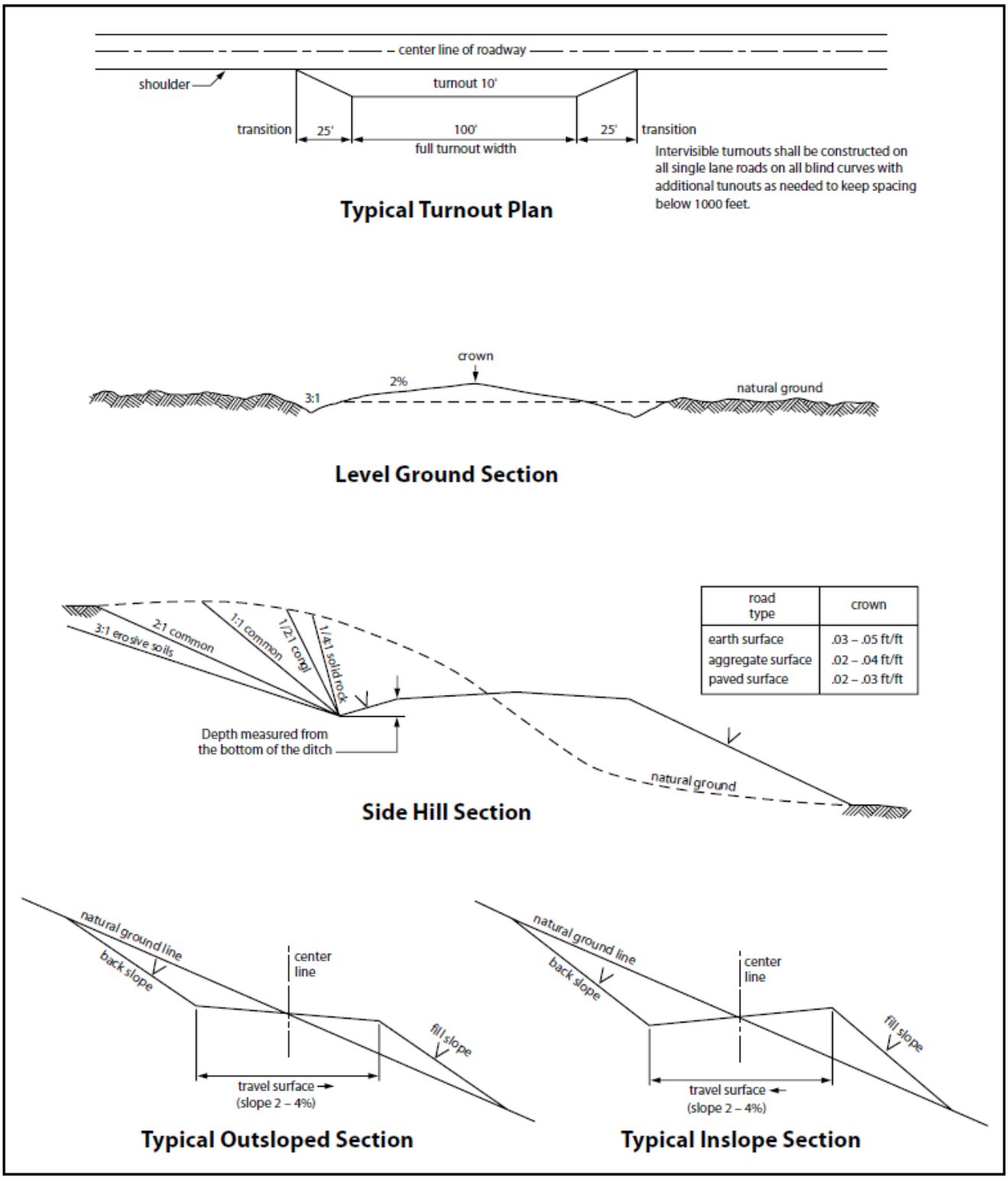


Figure 1. Cross-sections and plans for typical road sections representative of BLM resource or FS local and higher-class roads.

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 **will be submitted to the BLM Carlsbad Field Office for approval** 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 TEMPORARY FRESHWATER PIPELINES

Subject to the terms and conditions which are shown below, is hereby approved:

1. Surface pipelines 6.5 inch to 12 inch OD may be in place for no more than 180 days not including installation. In accordance with your request, this 180 day period would begin when the SF-299 is submitted.

2. Surface pipeline will be in operation for no more than 180 days; a maximum of seven (7) days authorized for installation of the lay flat poly line prior to operation.

3. Surface pipelines larger than 6.5 inch to 12 inch OD may be in place for no more than 180 days from date of authorization, unless a SF-299 is submitted within 30 days of this decision expiring requesting a long term buried fresh water pipeline, and processing of the SF-299 is not yet complete at the end of 30 days, in which case the line(s) may be left in place until a decision is made on the SF-299.
    - All lines will be removed when no longer in use.
    - Width of authorized use is 15-feet.

4. No blading and/or earthwork will be allowed in order to place the pipeline except burying the line under crossings.

5. The pipeline will be buried under all intersecting routes, including BLM-designated trails and access roads into caliche pits, rancher watering stations, etc. All such buried crossings will be removed when the pipeline is removed, unless otherwise approved by the Authorized Officer.

6. Pipelines larger than 6.5-inch OD may utilize other crossing methodologies (but any fill placed over pipeline must be brought in from off-site).

7. Pipeline crossings of fences must be avoided where possible. If a crossing is necessary, contact fence owner [usually the grazing permittee] prior to installation, and install by threading pipeline under the lowest wire of the fence; pipeline must never cross on top of any fence wires.

8. The pipeline shall stay within 10 feet maximum of existing disturbance (e.g. lease road, pipeline corridor etc.); placement must be within 5 feet whenever possible.

9. Placement of pumps or other high-maintenance equipment shall be installed along maintained lease roads.
10. Gas or diesel pumps, generators, or compressors shall be placed on geosynthetic lining [or 20 mil plastic] and in a containment structure capable of containing all potentially released fuels. Containments must be protected against wildlife deaths in accordance with oilfield best management practices.

11. Due to potential damage to natural resources, no work is allowed during inclement weather.

12. Pipeline will be marked with your company's name and contact number, at beginning and ending points, at all public-road crossings, and at intervals not exceeding every 0.6 mile, unless otherwise approved by the Authorized Officer.

13. Should unforeseen damage occur to resources, BLM will require reclamation of the impacted land.

14. No water may be released into the environment without BLM consent.

15. Placement of surface pipelines along or under public roadways may require permits from the road authority.

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 **20** 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. Escape Ramps - 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.
    c. Holder shall ensure safe passage for livestock and wildlife during construction of the welded pipe on surface prior to laying in the trench every quarter of a mile or at grazing permittees reasonable discretion.

14. Special Stipulations:
    Karst:

- 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.
- If a void is encountered, alignments may be rerouted to avoid the karst feature and lessen the potential of subsidence or collapse of karst features, buildup of toxic or combustible gas, or other possible impacts to cave and karst resources from the buried pipeline.
- Special restoration stipulations or realignment may be required at such intersections, if any.
- A leak detection plan **will be submitted to the BLM Carlsbad Field Office for approval** 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.

SURFACE PIPELINES

A copy of the APD and attachments, including stipulations, survey plat(s) and/or map(s), shall be on location during construction. BLM personnel may request to review 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. 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. Operator shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, Operator shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC § 2601 et seq. (1982) with regard to any toxic substances that are used, generated by or stored on the pipeline corridoror on facilities authorized under this APD (see 40 CFR, Part 702-799 and in particular, 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. 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 activity of the Operator's activity on the Pipeline corridor), or resulting from the activity of the Operator on the pipeline corridor. This provision applies without regard to whether a release is caused by Operator, its agent, or unrelated third parties.

4. Operator shall be liable for damage or injury to the United States to the extent provided by 43 CFR Sec. 2883.1-4. Operator shall be held to a standard of strict liability for damage or injury to the United States resulting from pipe rupture, fire, or spills caused or substantially aggravated by any of the following within the pipeline corridor or permit area:

    a. Activities of Operator including, but not limited to: construction, operation, maintenance, and termination of the facility;

    b. Activities of other parties including, but not limited to:
        (1) Land clearing
        (2) Earth-disturbing and earth-moving work
        (3) Blasting
        (4) Vandalism and sabotage

    c. Acts of God.

The maximum limitation for such strict liability damages shall not exceed one million dollars ($1,000,000) for any one event, and any liability in excess of such amount shall be determined by the ordinary rules of negligence of the jurisdiction in which the damage or injury occurred.

This section shall not impose strict liability for damage or injury resulting primarily from an act of war or from the negligent acts or omissions of the United States.

5. If, during any phase of the construction, operation, maintenance, or termination of the pipeline, any oil, salt water, or other pollutant is discharged from the pipeline system, impacting Federal lands, the control and total removal, disposal, and cleaning up of such oil, salt water, 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 they deem 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 Operator. Such action by the Authorized Officer shall not relieve Operator of any responsibility as provided herein.

6. All construction and maintenance activity shall be confined to the authorized pipeline corridor width of 30-feet. If the pipeline route follows an existing road or buried pipeline corridor, the surface pipeline shall be installed no farther than 10 feet from the edge of the road or buried pipeline corridor. If existing surface pipelines prevent this distance, the proposed surface pipeline shall be installed immediately adjacent to the outer surface pipeline. All construction and maintenance activity shall be confined to existing roads or pipeline corridors.

7. No blading or clearing of any vegetation shall be allowed unless approved in writing by the Authorized Officer.

8. Operator shall install the pipeline on the surface in such a manner that will minimize suspension of the pipeline across low areas in the terrain. In hummocky of duney areas, the pipeline shall be "snaked" around hummocks and dunes rather than suspended across these features.

9. The pipeline shall be buried with a minimum of 36 inches under all roads, "two-tracks," and trails. Burial of the pipe will continue for 20 feet on each side of each crossing. The condition of the road, upon completion of construction, shall be returned to at least its former state with no bumps or dips remaining in the road surface.

10. 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 of the fence. No permanent gates will be allowed unless approved by the Authorized Officer.

11. In those areas where erosion control structures are required to stabilize soil conditions, the operator will install such structures as are suitable for the specific soil conditions being encountered and which are in accordance with sound resource management practices.

12. Excluding the pipe, all above-ground structures not subject to safety requirement shall be painted by the operator to blend with the natural color of the landscape. The paint used shall be a color which simulates "Standard Environmental Colors" – Shale Green, Munsell Soil Color No. 5Y 4/2; designated by the Rocky Mountain Five State Interagency Committee.

13. 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. Signs will be maintained in a legible condition for the life of the pipeline.

14. 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. The operator will take whatever steps are necessary to ensure that the pipeline route is not used as a roadway.

15. 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, powerline 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.

16. Surface pipelines shall be less than or equal to 4 inches and a working pressure below 125 psi.

4.2 RANGELAND 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).

- Figure 1. Pipe H-brace specifications

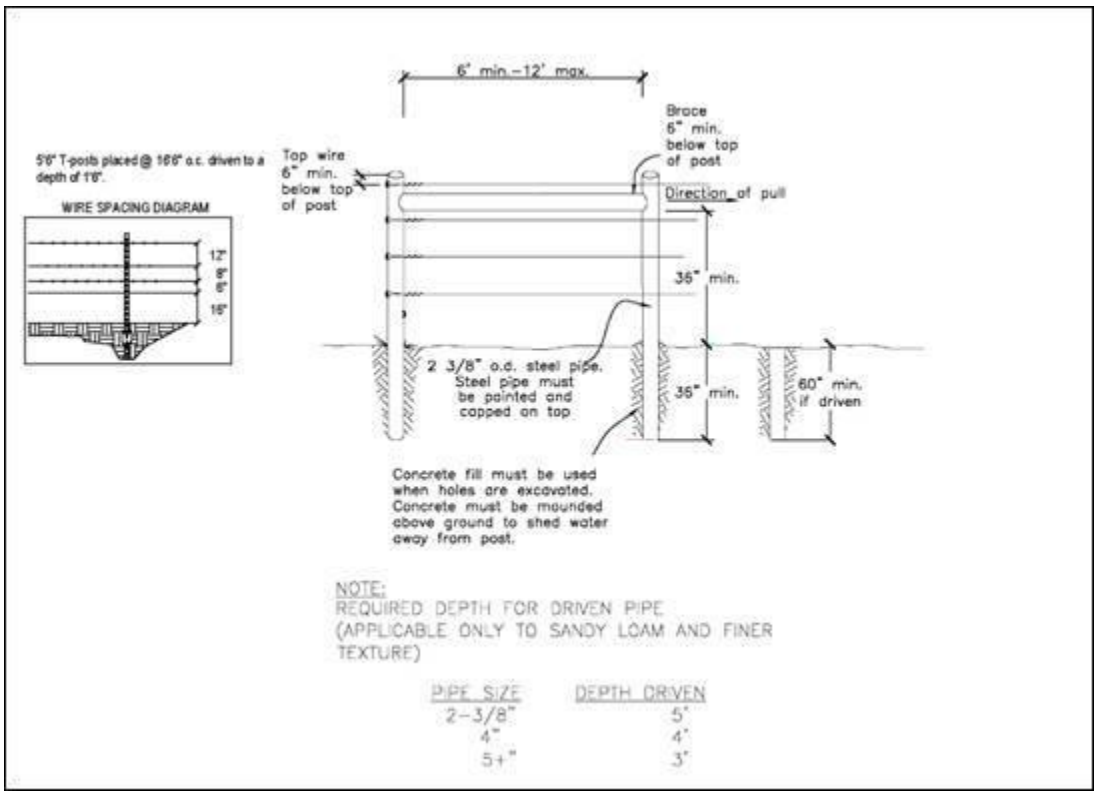
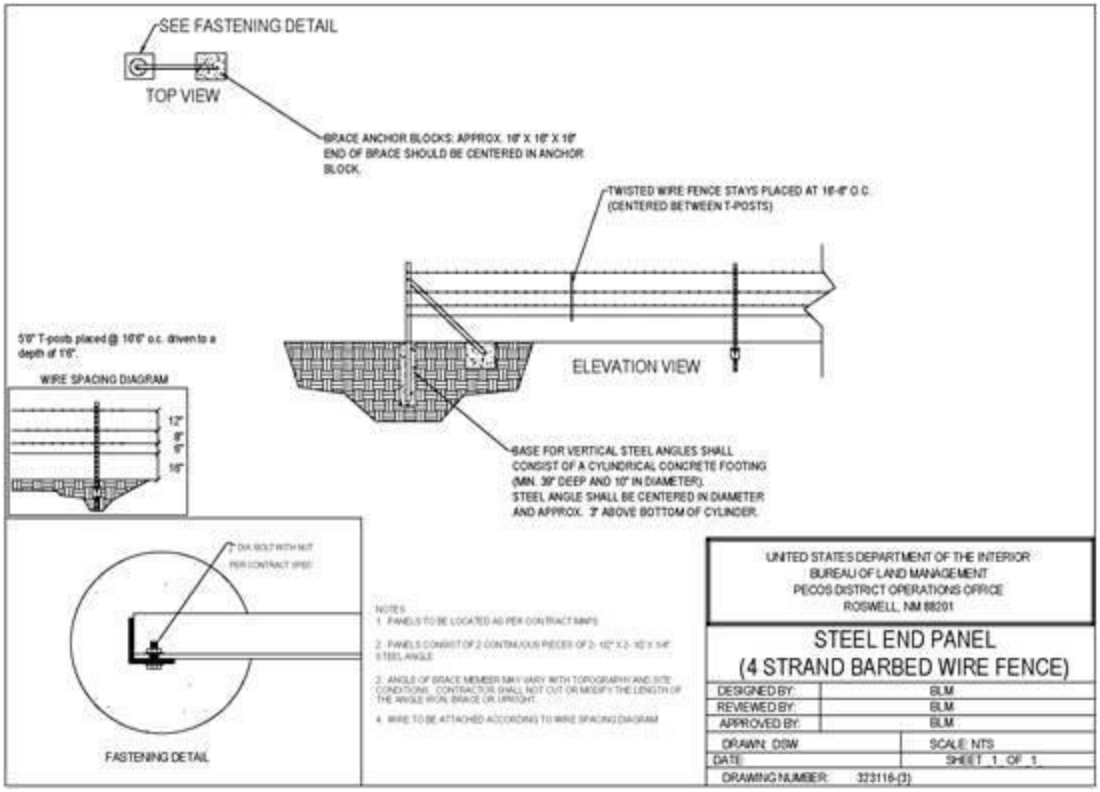


Figure 2. Angle iron brace specifications



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 (earthen) placed at no more than 2,500 feet intervals and sloped no more than 30 degrees.

Blading would not be conducted in areas of gypsum soils.

5. 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.
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.

6. 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.

7. 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/permittee 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 1 for Loamy Sites

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

Species	lb/acre
Plains lovegrass (Eragrostis intermedia)	0.5
Sand dropseed (Sporobolus cryptandrus)	1.0
Sideoats grama (Bouteloua curtipendula)	5.0
Plains bristlegrass (Setaria macrostachya)	2.0

*Pounds of pure live seed:

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

Mixture 4, for Gypsum Sites

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

Species	lb/acre
Alkali Sacaton (*Sporobolus airoides*)	1.5
DWS~ Four-wing saltbush (*Atriplex canescens*)	8.0

~DWS: DeWinged Seed

*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:	CHEVRON USA INCORPORATED
WELL NAME & NO.:	JS 24 22 FED COM 411H
SURFACE HOLE FOOTAGE:	2267'/N & 825'/W
BOTTOM HOLE FOOTAGE	1380'/S & 25'/W
LOCATION:	Section 19, T.26 S., R.27 E., NMP
COUNTY:	Eddy County, New Mexico

COA

H2S	(•) Yes	( ) No	
Potash	(•) None	( ) Secretary	( ) R-111-P
Cave/Karst Potential	( ) Low	( ) Medium	(•) High
Cave/Karst Potential	( ) Critical		
Variance	( ) None	(•) Flex Hose	( ) Other
Wellhead	( ) Conventional	(•) Multibowl	( ) Both
Wellhead Variance	( ) Diverter		
Other	[ ] 4 String	[ ] Capitan Reef	[ ] WIPP
Other	[ ] Fluid Filled	[ ] Pilot Hole	[ ] Open Annulus
Cementing	[ ] Contingency Cement Squeeze	[ ] EchoMeter	[ ] Primary Cement Squeeze
Special Requirements	[ ] Water Disposal	[x] COM	[ ] Unit
Special Requirements	[ ] Batch Sundry		
Special Requirements Variance	[x] Break Testing	[ ] Offline Cementing	[ ] Casing Clearance

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated AT SPUD. As a result, the Hydrogen Sulfide area must meet 43 CFR part 3170 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

Primary Casing Design:

1. The **13-3/8** inch surface casing shall be set at approximately **400 feet** per BLM Geologist (a minimum of **70 feet (Eddy County)** into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface. The surface hole shall be **16 inch** in diameter.

Approval Date: 06/22/2026

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.

Operator is approved to use contingency cementing for the Intermediate and Production section. Operator shall notify the BLM before proceeding with contingency operation.

2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:

- Cement to surface. If cement does not circulate see B.1.a, c-d above. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

❖ In High Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

3. The minimum required fill of cement behind the **7** inch intermediate casing is:

- Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.
  Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.
  Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.

4. The minimum required fill of cement behind the **5 X 4-1/2** inch production liner is:

- Cement should tie-back **100 feet** into the previous casing. Operator shall provide method of verification.
  Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.

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. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the **13-3/8** inch surface casing. 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. **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)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- The operator will submit an as-drilled survey well plat of the well completion, but are not limited to, those specified in 43 CFR 3170.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

(Note: For a minimum 5M BOPE or less (Utilizing a 10M BOPE system)
BOPE Break Testing Variance

- BOPE Break Testing is ONLY permitted for 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP)**
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer **(575-706-2779)** prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (575-361-2822 Eddy County) 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per 43 CFR 3170.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

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)

☒ Eddy County
EMAIL or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,
BLM_NM_CFO_DrillingNotifications@BLM.GOV
(575) 361-2822

☒ Lea County
Call 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.

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 intergrity 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 intergrity 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 OOGO2.III.A.2.i 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.

JS 12/5/2023

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	CHEVRON USA INCORPORATED
WELL NAME & NO.:	JS 24 22 FED COM 411H
SURFACE HOLE FOOTAGE:	2267'/N & 825'/W
BOTTOM HOLE FOOTAGE	1380'/S & 25'/W
LOCATION:	Section 19, T.26 S., R.27 E., NMP
COUNTY:	Eddy County, New Mexico

COA

H2S	(•) Yes	( ) No	
Potash	(•) None	( ) Secretary	( ) R-111-P
Cave/Karst Potential	( ) Low	( ) Medium	(•) High
Cave/Karst Potential	( ) Critical		
Variance	( ) None	(•) Flex Hose	( ) Other
Wellhead	( ) Conventional	(•) Multibowl	( ) Both
Wellhead Variance	( ) Diverter		
Other	[ ] 4 String	[ ] Capitan Reef	[ ] WIPP
Other	[ ] Fluid Filled	[ ] Pilot Hole	[ ] Open Annulus
Cementing	[ ] Contingency Cement Squeeze	[ ] EchoMeter	[ ] Primary Cement Squeeze
Special Requirements	[ ] Water Disposal	[x] COM	[ ] Unit
Special Requirements	[ ] Batch Sundry		
Special Requirements Variance	[x] Break Testing	[ ] Offline Cementing	[ ] Casing Clearance

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated AT SPUD. As a result, the Hydrogen Sulfide area must meet 43 CFR part 3170 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

Primary Casing Design:

1. The **13-3/8** inch surface casing shall be set at approximately **400 feet** per BLM Geologist (a minimum of **70 feet (Eddy County)** into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface. The surface hole shall be **16 inch** in diameter.

Approval Date: 06/22/2026

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.

Operator is approved to use contingency cementing for the Intermediate and Production section. Operator shall notify the BLM before proceeding with contingency operation.

2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:

- Cement to surface. If cement does not circulate see B.1.a, c-d above. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

❖ In High Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

3. The minimum required fill of cement behind the **7** inch intermediate casing is:

- Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.
  Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.
  Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.

4. The minimum required fill of cement behind the **5 X 4-1/2** inch production liner is:

- Cement should tie-back **100 feet** into the previous casing. Operator shall provide method of verification.
  Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.

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. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the **13-3/8** inch surface casing. 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. **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)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- The operator will submit an as-drilled survey well plat of the well completion, but are not limited to, those specified in 43 CFR 3170.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

(Note: For a minimum 5M BOPE or less (Utilizing a 10M BOPE system)
BOPE Break Testing Variance

- BOPE Break Testing is ONLY permitted for 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP)**
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer **(575-706-2779)** prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (575-361-2822 Eddy County) 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per 43 CFR 3170.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

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)

☒ Eddy County
EMAIL or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,
BLM_NM_CFO_DrillingNotifications@BLM.GOV
(575) 361-2822

☒ Lea County
Call 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).
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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.

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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.

JS 12/5/2023

AFMSS

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

Operator Certification Data Report

06/22/2026

Operator

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

NAME: CAROL ADLER **Signed on:** 05/15/2023

Title: Sr Regulatory Affairs Coordinator

Street Address: 6301 DEAUVILLE BLVD

City: MIDLAND **State:** TX **Zip:** 79706

Phone: (432)687-7148

Email address: CAROLADLER@CHEVRON.COM

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

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

Application Data
06/22/2026

APD ID: 10400092266 **Submission Date:** 05/15/2023

Operator Name: CHEVRON USA INCORPORATED

Well Name: JS 24 22 FED COM **Well Number:** 411H

Well Type: CONVENTIONAL GAS WELL **Well Work Type:** Drill

Highlighted data reflects the most recent changes
Show Final Text

Section 1 - General

APD ID: 10400092266 **Tie to previous NOS?** N **Submission Date:** 05/15/2023

BLM Office: Carlsbad **User:** CAROL ADLER **Title:** Sr Regulatory Affairs Coordinator

Federal/Indian APD: FED **Is the first lease penetrated for production Federal or Indian?** FED

Lease number: NMNM113943 **Lease Acres:** 1280

Surface access agreement in place? **Allotted?** **Reservation:**

Agreement in place? NO **Federal or Indian agreement:**

Agreement number:

Agreement name:

Keep application confidential? N

Permitting Agent? NO **APD Operator:** CHEVRON USA INCORPORATED

Operator letter of

Operator Info

Operator Organization Name: CHEVRON USA INCORPORATED

Operator Address: 26251 HIGHWAY 33

Zip: 93224

Operator PO Box:

Operator City: FELLOWS **State:** CA

Operator Phone: (661)768-3465

Operator Internet Address:

Section 2 - Well Information

Well in Master Development Plan? EXISTING **Master Development Plan name:** JUMPING SPRING MDP-2023-3

Well in Master SUPO? **Master SUPO name:**

Well in Master Drilling Plan? **Master Drilling Plan name:**

Well Name: JS 24 22 FED COM **Well Number:** 411H

Field/Pool or Exploratory? Field and Pool **Field Name:** PURPLE SAGE **Pool Name:** WOLFCAMP (GAS)

Operator Name: CHEVRON USA INCORPORATED

Well Name: JS 24 22 FED COM **Well Number:** 411H

Is the proposed well in an area containing other mineral resources? NATURAL GAS,OIL

Is the proposed well in a Helium production area? N **Use Existing Well Pad?** N **New surface disturbance?**

Type of Well Pad: MULTIPLE WELL **Multiple Well Pad Name:** JS 24 22 FED COM **Number:** 407H; 408H; 409H; 410H; 411H; 412H

Well Class: HORIZONTAL **Number of Legs:** 1

Well Work Type: Drill

Well Type: CONVENTIONAL GAS WELL

Describe Well Type:

Well sub-Type: OTHER

Describe sub-type: DEFINING

Distance to town: 35 Miles **Distance to nearest well:** 200 FT **Distance to lease line:** 825 FT

Reservoir well spacing assigned acres Measurement: 960 Acres

Well plat: JS_24_22_FED_COM_411H_C_102_SIGNED_CERT_20260316190705.pdf

Well work start Date: 03/13/2027 **Duration:** 147 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83 **Vertical Datum:** NAVD88

Survey number: 2225457 **Reference Datum:** GROUND LEVEL

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this
SHL Leg #1	2267	FNL	825	FWL	26S	27E	19	Aliquot SWNW	32.028956	-104.235117	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 114970	3365			N
KOP Leg #1	1380	FSL	330	FEL	26S	26E	24	Aliquot NESE	32.024329	-104.238805	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 113943	-5038	8654	8403	Y
PPP Leg #1-1	1380	FSL	330	FEL	26S	26E	24	Aliquot NESE	32.024329	-104.238805	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 113943	-5611	9564	8976	Y

Operator Name: CHEVRON USA INCORPORATED

Well Name: JS 24 22 FED COM **Well Number:** 411H

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this
EXIT Leg #1	1376	FSL	330	FWL	26S	26E	22	Aliquot NWSW	32.024264	-104.288192	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 113942	-5347	24873	8712	Y
BHL Leg #1	1380	FSL	25	FWL	26S	26E	22	Aliquot NWSW	32.024263	-104.289176	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 113942	-5342	25178	8707	Y

Santa Fe Main Office
Phone: (505) 476-3441 Fax: (55) 476-3462
General Information
Phone: (505) 629-6116

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

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

C-102
Revised January 22, 2026
Submit Electronically via OCD Permitting

Submittal Type: ☒ Initial Submittal ☐ Amended Report ☐ As Drilled

WELL LOCATION INFORMATION

API Number PENDING 30-015-58764	Pool Code 98220	Pool Name PURPLE SAGE;WOLFCAMP (GAS)
Property Code PENDING 339466	Property Name JS 24 22 FEDERAL COM	Well Number 411H
OGRID No. 4323	Operator Name CHEVRON U.S.A. INC.	Ground Level Elevation 3365'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal	Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal	

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
E	19	26 SOUTH	27 EAST, N.M.P.M	N/A	2267' NORTH	825' WEST	32.028956° N	104.235117° W	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
L	22	26 SOUTH	26 EAST, N.M.P.M	N/A	1380' SOUTH	25' WEST	32.024263° N	104.289176° W	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
960	DEFINING	PENDING-Defining Well is JS 24 22 Federal Com 411H	NO	P

Order Numbers. N/A

Well setbacks are under Common Ownership: ☐Yes ☐No ☒N/A

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
I	24	26 SOUTH	26 EAST, N.M.P.M	N/A	1380' SOUTH	330' EAST	32.024329° N	104.238805° W	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
I	24	26 SOUTH	26 EAST, N.M.P.M	N/A	1380' SOUTH	330' EAST	32.024329° N	104.238805° W	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
L	22	26 SOUTH	26 EAST, N.M.P.M	N/A	1376' SOUTH	330' WEST	32.024264° N	104.288192° W	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation:
N/A		3365'

OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Carol Adler 2/26/2026
Signature Date

Carol Adler
Printed Name

caroladler@chevron.com
Email Address

SURVEYOR CERTIFICATIONS

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.

See Sheet 2 of 2 for plat.

ROBERT L. LASTRAPES NEW MEXICO 23006 PROFESSIONAL SURVEYOR 01/28/2026

Signature and Seal of Professional Surveyor

Certificate Number

02/01/2023
Date of Survey

T:\2022\2225457\DWG\JS 24 22 FED COM #411H C-102_New Format.dwg

Released to Imaging: 8/14/2026 4:51:24 PM
Received by OCD: 6/22/2026 3:28:06 PM

ACREAGE DEDICATION PLATS

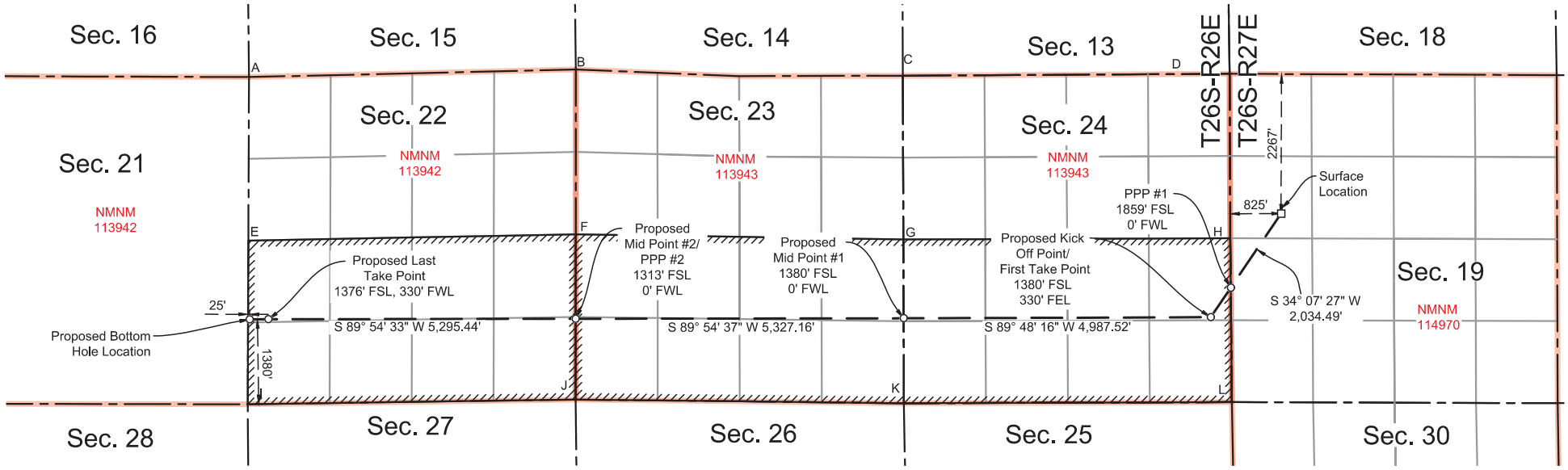
This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.

See Sheet 1 of 2 for notes & certification.

CORNER COORDINATES
TABLE (NAD 27)

A - Y=376447.53, X=513828.74
B - Y=376569.94, X=519137.46
C - Y=376470.02, X=524447.78
D - Y=376500.30, X=529755.23
E - Y=373791.13, X=513818.90
F - Y=373893.23, X=519135.86
G - Y=373809.38, X=524457.10
H - Y=373828.22, X=529767.22
I - Y=371131.37, X=513808.72
J - Y=371207.80, X=519133.08
K - Y=371148.74, X=524466.42
L - Y=371166.80, X=529791.87



PROPOSED BOTTOM HOLE LOCATION
X = 513,839.01' (NAD27 NM E)
Y = 372,512.00'
LAT. 32.024142° N (NAD27)
LONG. 104.288679° W
X = 555,022.16' (NAD83/2011 NM E)
Y = 372,568.46'
LAT. 32.024263° N (NAD83/2011)
LONG. 104.289176° W

PROPOSED LAST TAKE POINT
X = 514,144.01' (NAD27 NM E)
Y = 372,512.48'
LAT. 32.024143° N (NAD27)
LONG. 104.287695° W
X = 555,327.17' (NAD83/2011 NM E)
Y = 372,568.95'
LAT. 32.024264° N (NAD83/2011)
LONG. 104.288192° W

PROPOSED MID POINT #2/ PPP #2
X = 519,134.44' (NAD27 NM E)
Y = 372,520.38'
LAT. 32.024158° N (NAD27)
LONG. 104.271592° W
X = 560,317.63' (NAD83/2011 NM E)
Y = 372,576.93'
LAT. 32.024279° N (NAD83/2011)
LONG. 104.272089° W

PROPOSED MID POINT #1
X = 524,461.59' (NAD27 NM E)
Y = 372,528.74'
LAT. 32.024171° N (NAD27)
LONG. 104.254403° W
X = 565,644.82' (NAD83/2011 NM E)
Y = 372,585.37'
LAT. 32.024293° N (NAD83/2011)
LONG. 104.254899° W

PROPOSED KICK OFF POINT/ FIRST TAKE POINT
X = 529,449.08' (NAD27 NM E)
Y = 372,545.76'
LAT. 32.024207° N (NAD27)
LONG. 104.238310° W
X = 570,632.42' (NAD83/2011 NM E)
Y = 372,602.46'
LAT. 32.024329° N (NAD83/2011)
LONG. 104.238805° W

PPP #1
X = 529,774.65' (NAD27 NM E)
Y = 373,026.18'
LAT. 32.025527° N (NAD27)
LONG. 104.237258° W
X = 570,957.99' (NAD83/2011 NM E)
Y = 373,082.89'
LAT. 32.025649° N (NAD83/2011)
LONG. 104.237753° W

JS 24 22 FEDERAL COM NO. 411H WELL
X = 530,590.41' (NAD27 NM E)
Y = 374,229.96'
LAT. 32.028834° N (NAD27)
LONG. 104.234622° W
X = 571,773.75' (NAD83/2011 NM E)
Y = 374,286.70'
LAT. 32.028956° N (NAD83/2011)
LONG. 104.235117° W

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

Drilling Plan Data Report
06/22/2026

APD ID: 10400092266
Submission Date: 05/15/2023
Operator Name: CHEVRON USA INCORPORATED
Well Name: JS 24 22 FED COM
Well Number: 411H
Well Type: CONVENTIONAL GAS WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
18326238	SALADO	3364	28	28	ANHYDRITE, SALT	NONE	N
18326239	CASTILE	2884	480	480	ANHYDRITE, SALT	NONE	N
18326240	LAMAR	1341	2023	2045	LIMESTONE, SHALE	NONE	N
18326241	BELL CANYON	1311	2053	2076	LIMESTONE, SANDSTONE	NONE	N
18326242	CHERRY CANYON	439	2925	2993	SANDSTONE, SILTSTONE	NONE	N
18326243	BRUSHY CANYON	-643	4007	4131	LIMESTONE, SANDSTONE	NONE	N
18326244	BONE SPRING LIME	-2291	5655	5864	SHALE, SILTSTONE	NONE	N
18326245	AVALON SAND	-2405	5769	6367	SHALE	NONE	N
18326246	BONE SPRING 1ST	-3212	6576	6991	SANDSTONE, SHALE	NATURAL GAS, OIL	N
18326250	BONE SPRING 2ND	-3715	7079	7792	SANDSTONE, SHALE	NATURAL GAS, OIL	N
18326248	BONE SPRING 3RD	-4765	8129	8599	SANDSTONE, SHALE	NATURAL GAS, OIL	N
18326249	WOLFCAMP	-5339	8703	8969	SANDSTONE, SHALE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M
Rating Depth: 8976

Equipment: Chevron will have a minimum of a 5,000 psi rig stack for drill out below surface casing

Requesting Variance? YES

Variance request: Chevron respectfully request to vary from the 43 CFR 3172 where it states: “(A full BOP Test) shall be performed: when initially installed and whenever any seal subject to test pressure is broken.” We propose to break test if able to finish the next hole section within 21 days of the previous full BOP test. No BOP components nor any break will ever surpass 21 days between testing. A break test will consist of a 250

Operator Name: CHEVRON USA INCORPORATED

Well Name: JS 24 22 FED COM **Well Number:** 411H

psi low / 5,000 psi high for 10 min each test against the connection that was broken when skidding the rig. Upon the first nipple up of the pad a full BOP test will be performed. A full BOP test will be completed prior to drilling the production lateral sections unless the BOP connection was not broken prior to drilling that hole section (example: drilling straight from production into production liner hole section). A break test will only be performed on operations where BLM documentation states a 5M or less BOP can be utilized. Chevron respectfully requests a variance to use a FMC Technologies UH-S Multibowl wellhead, which will be run through the rig floor on surface casing. BOPE will be nippled up and tested after cementing surface casing. Subsequent tests will be performed as needed, not to exceed 30 days. The field report from FMC Technologies and BOP test information will be provided in a subsequent report at the end of the well. Please see the attached wellhead schematic. An installation manual has been placed on file with the BLM office and remains unchanged from previous submittal. All tests performed by third party. Chevron respectfully requests a variance from the 0.422" annular clearance requirement per 43 CFR3172 for the intermediate 1 (salt) section under the following condition:1. Annular clearance to meet or exceed 0.422" between intermediate casing ID and production casing connection OD for the first 500' of overlap between both strings.

Testing Procedure: The stack will be tested as specified in the attached testing requirements. Batch drilling of the surface, production, and production liner will take place. A full BOP test will be performed per hole section, unless approval from BLM is received otherwise (see variance request). Flex choke hose will be used for all wells on the pad (see attached specs and variance). BOP test pressures and other documented tests may be recorded and documented via utilization of the Digital BOP Test Method in lieu of the standard test chart. In the event the digital system is unavailable, the standard test chart will be used.

Choke Diagram Attachment:

BLM_5M_Choke_Manifold_Diagram_20260316191449.pdf

Choke_and_Flex_Hose_COC_7660103_20260316191504.pdf

BOP Diagram Attachment:

MultiBowl_Wellhead_Specs_20260316191522.pdf

BLM_5M_Intermediate_BOP_and_Choke_Manifold_NEW_20260316191530.pdf

Digital_BOP_Testing__1__20260316191538.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	17.5	13.375	NEW	API	N	0	300	0	300	3365	3065	300	J-55	54.5	BUTT	8.14	4.54	BUOY	55.6	BUOY	52.17
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	2025	0	2003	3364	1362	2025	L-80	40	BUTT	3.39	2.5	BUOY	11.82	BUOY	11.43
3	INTERMEDIATE	8.75	7.0	NEW	API	N	0	8654	0	8403	3364	-5038	8654	P-110	29	OTHER - BLUE	2.05	3.19	BUOY	3.81	BUOY	3.81
4	PRODUCTION	6.125	5.0	NEW	API	N	8454	9104	8203	8707	-4838	-5342	650	P-110	18	OTHER - W513	1.38	3.04	BUOY	2.33	BUOY	3.66
5	PRODUCTION	6.125	4.5	NEW	API	N	9104	25178	8803	8803	-5438	-5438	16074	P-110	11.6	OTHER - W521	1.38	3.04	BUOY	2.33	BUOY	3.66

Operator Name: CHEVRON USA INCORPORATED

Well Name: JS 24 22 FED COM **Well Number:** 411H

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

13.375in_BTC_54.5ppf_J55_20230515064142.pdf

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

9.625in_BTC_40ppf_L80_20260402161718.pdf

Casing ID: 3 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

7in_Blue_SD_29ppf_P110_20260402161836.pdf

Operator Name: CHEVRON USA INCORPORATED

Well Name: JS 24 22 FED COM **Well Number:** 411H

Casing Attachments

Casing ID: 4 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

5in_Wedge_513_18ppf_P110_20260402161638.pdf

Casing ID: 5 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

4.5in_Wedge_521_11.6ppf_P110_20260402161934.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
SURFACE	Lead		0	0	0	0	0	0	0	CLASS C	Extender, Antifoam, Retarder, Viscosifier
SURFACE	Tail		0	300	194	1.34	14.8	261	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier
INTERMEDIATE	Lead		0	1025	183	2.29	11.5	420	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier
INTERMEDIATE	Tail		1025	2025	263	1.63	13.6	429	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier
INTERMEDIATE	Lead		0	7654	522	2.64	11.5	1379	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier

Operator Name: CHEVRON USA INCORPORATED

Well Name: JS 24 22 FED COM **Well Number:** 411H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
INTERMEDIATE	Tail		7656	8654	134	1.4	14.5	188	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier
PRODUCTION	Lead		8454	25178	1165	1.69	13.2	1969	25	CLASS H	Extender, Antifoam, Retarder, Viscosifier

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 43 CFR 3172:

Diagram of the equipment for the circulating system in accordance with 43 CFR 3172:

Describe what will be on location to control well or mitigate other conditions: A weighting agent and lost circulating material (LCM) will be onsite to mitigate pressure or lost circulation as hole conditions dictate. If an open reserve pit is not approved by OCD, a closed system will be used consisting of above ground steel tanks and all wastes accumulated during drilling operations will be contained in a portable trash cage and removed from location and deposited in an approved sanitary landfill. If an open reserve pit is in place, pit construction, operation, and closure will follow all applicable rules and regulation. Sanitary wastes will be contained in a chemical porta-toilet and then hauled to an approved sanitary landfill. All fluids and cuttings will be disposed of in accordance with New Mexico Oil Conservation Division rules and regulations. And transporting of E&P waste will follow EPA regulations and accompanying manifests.

Describe the mud monitoring system utilized: A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, filtration, and pH. Visual mud monitoring equipment shall be in place to detect volume changes indicating loss or gain of circulating fluid volume. When abnormal pressures are anticipated -- a pit volume totalizer (PVT), stroke counter, and flow sensor will be used to detect volume changes indicating loss or gain of circulating fluid volume.

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)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	300	WATER-BASED MUD	8.3	8.9							Fresh water Viscosity: 26-36 Filtrate: 15-25
300	2025	SALT SATURATED	8.9	10							Saturated brine would be used through salt sections. Viscosity: 26-36 Filtrate: 15-25

Operator Name: CHEVRON USA INCORPORATED

Well Name: JS 24 22 FED COM **Well Number:** 411H

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
2025	8654	OTHER : WBM/BRINE	8.7	9.5							Viscosity: 26-36 Filtrate: 15-25
8654	25178	OIL-BASED MUD	9.5	12							Due to wellbore instability in the lateral, may exceed the MW window needed to maintain overburden stresses Viscosity: 50-70 Filtrate: 5-10

Section 6 - Test, Logging, Coring

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

6. TESTING, LOGGING, AND CORING
a. Production tests are not planned.
b. Logs run include: Gamma Ray Log, Directional Survey
c. Coring Operations are not planned.

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

GAMMA RAY LOG,DIRECTIONAL SURVEY,

Coring operation description for the well:

Coring Operations are not planned.

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 5601 **Anticipated Surface Pressure:** 3626

Anticipated Bottom Hole Temperature(F): 154

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

Describe:

Pressure ramp begins in the bottom of the Third Bone Spring formation

Contingency Plans geoharzards description:

Contingency plan(s) description:
- Casing design accounts for pressure ramp
- Mud weighting agents available on location to increase drilling fluid density
- BOP, choke, and well control drills
- BOP functioned and pressure tested

Hydrogen sulfide gas is not anticipated: However the H2S Contingency plan is attached with this APD in the event that H2S is encountered

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Operator Name: CHEVRON USA INCORPORATED

Well Name: JS 24 22 FED COM **Well Number:** 411H

Hydrogen sulfide drilling operations

Chevron_Standard_H2S_Contingency_Plan_2022_20230512083803.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

DefPlan100ft_JS2422FedComNo.411H_R0_20260402162255.pdf

JS_24_22_Fed_Com_411H___9_Point_20260402162310.pdf

Other proposed operations facets description:

a. Batch drilling will be employed whereby the drilling rig may drill a specific hole section on all wells prior to moving to the next hole section.
b. Shallow rig may be utilized to drill surface or intermediate sections. The production section will not be drilled by the shallow rig.
c. Wait on cement duration for surface and intermediate string(s) will be based on time for tail slurry to develop 500 psi compressive strength and will follow rules as laid out in 43 CFR 3172
d. Offline cementing will be employed on the hole sections that run a long string casing to surface. Offline cementing schematic below.

Other proposed operations facets attachment:

CUSA_Spudder_Rig_Data_20230512084205.pdf

Jumping_Spring_Pad_2_Gas_Management_Plan___NMOCD_20230512084055.pdf

Visio_Patterson_Mock_Pad_v.2_20230512084155.pdf

JS_PAD_2___Waste_Minimization_Plan___WC_20260316192548.pdf

FINAL_Operational_Best_Management_Practices_20260316192610.pdf

Closed_Loop_layout_20260316192622.pdf

Other Variance request(s)?: Y

Other Variance attachment:

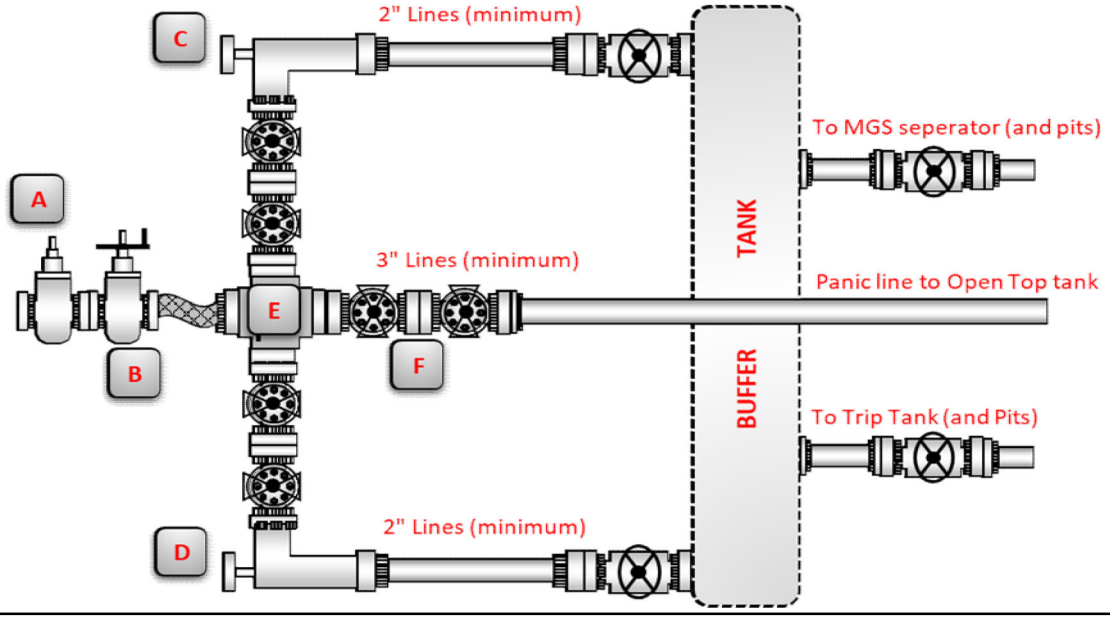
Chevron_Offline_Cementing_Schematic_20260316192640.pdf

CHOKE MANIFOLD SCHEMATIC

Operation:	Intermediate & Production
Minimum System operation pressure	5,000 psi

Choke Manifold

Part	Size	Pressure Rating	Description
A	3"	10,000	HCR (remotely operated)
B	3"	10,000	HCR (manually operated)
C	2"	10,000	Remotely operated choke
D	2"	10,000	Adjustable choke
E	3"	10,000	Crown valve with pressure gage
F	3"	10,000	Panic line valves

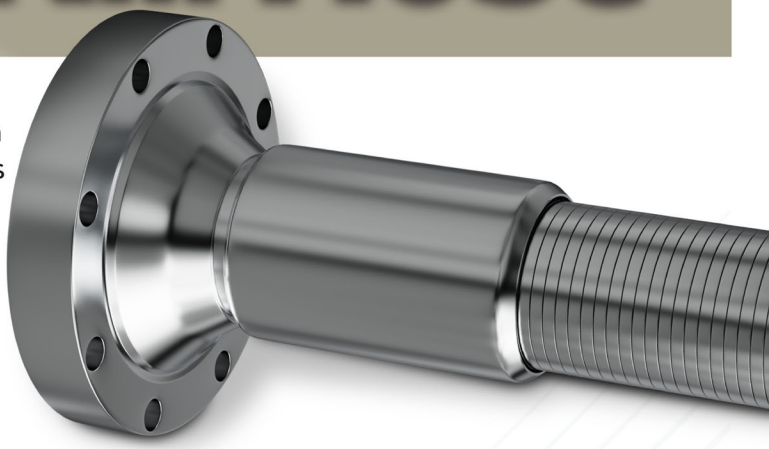


Choke Manifold Installation Checklist: *The following items must be verified and checked off prior to pressure testing BOP equipment*
The installed BOP equipment meets at least the minimum requirements (rating, type, size, configuration) as shown on this schematic. Components may be substituted for equivalent equipment rated to higher pressures. Additional components may be put into place as long as they meet or exceed the minimum pressure rating of the system.
Adjustable chokes may be remotely operated but will have backup hand pump for hydraulic actuation in case of loss of rig air or power.
Flare and panic lines will terminate a minimum of 150' from the wellhead. These lines will terminate at a location as per approved APD.
All valves (except chokes) on choke line, kill line and choke manifold will be full opening and will allow straight through flow. This excludes any valves between the mud gas separator and shale shakers.
All manual valves will have hand wheels installed.
Flare systems will have an effective method for ignition.
All connections will be flanged, welded or clamped
If buffer tank is used, a valve will be used on all lines at any entry or exit point to or from the buffer tank.

Choke/Kill Hose

Flexible connection hose for delivery of oil-gas mixtures that contains hydrogen sulfide (H_2S) and other dangerous gases including various water-based and oil-based fluids under high pressure.

Meets API Spec. Standards
16C FSL0 FSL1 FSL2 FSL3 | ABS



INNER TUBE	*HNBR*
REINFORCEMENT	*Multiple Layers of High Tensile Super Flexible Spiral Steel Wire or Steel Cable*
COVER	*Synthetic Rubber - High Temperature & Fire Resistant (Resistant to 1299°F open fire for 30 minutes)*
PROTECTIVE LAYER	*Stainless Steel Armor*
TEMPERATURE	*-20°F to +250°F*

I.D. *(inch)*	O.D. *(inch)*	Working Pressure *(PSI)*	Test Pressure *(PSI)*	Minimum Bend Radius *(inch)*	Lbs./FT
2"	4"	10,000 PSI	15,000 PSI	55.11"	14.78 Lbs/FT
3"	7"	10,000 PSI	15,000 PSI	62.99"	20.16 Lbs/FT

ALSO IN STOCK



Lifting Eye Clamp



Safety Clamps



Sling Cables and Shackles

POWERTRACK USA

nationalsales@powertrackhose.com

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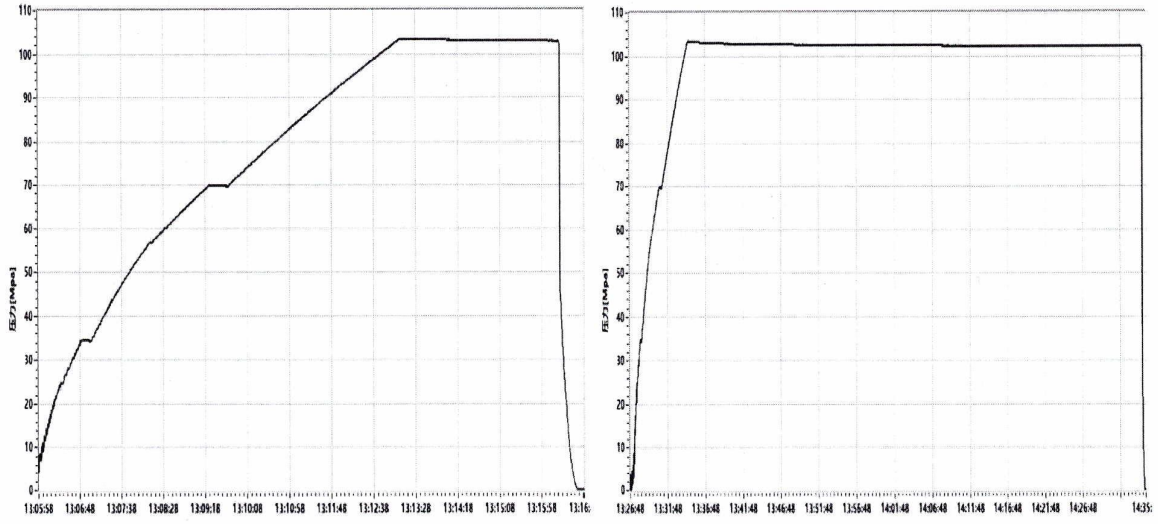
LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

HYDROSTATIC TESING REPORT

LTYY/QR-5.7.1-28 №: 230422006

Product Name	Choke And Kill Hose	Standard	API Spec 16C 3rd edition
Product Specification	3″×10000psi×35ft (10.67m)	Serial Number	7660103
Inspection Equipment	MTU-BS-1600-3200-E	Test medium	Water
Inspection Department	Q.C. Department	Inspection Date	2023.04.20
Rate of length change			
Standard requirements	At working pressure ,the rate of length change should not more than ±2%		
Testing result	10000psi (69.0MPa) ,Rate of length change 0.8%		
Hydrostatic testing			
Standard requirements	At 1.5 times working pressure, the initial pressure-holding period of not less than three minutes, the second pressure-holding period of not less than one hour, no leaks.		
Testing result	15000psi (103.5MPa), 3 min for the first time, 60 min for the second time, no leakage		

Graph of pressure testing:



Conclusion	The inspected items meet standard requirements of API Spec 16C 3rd edition				
Approver	Jiaolong Chen	Auditor	Hliqing Dong	Inspector	Zhansheng Wang

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CERTIFICATE OF QUALITY

LTYY/QR-5.7.1-19B №: LT2023-052-006

Customer Name	Austin Hose		
Product Name	Choke And Kill Hose		
Product Specification	3″×10000psi×35ft (10.67m)	Quantity	8PCS
Serial Number	7660103~7660110	FSL	FSL3
Temperature Range	-29℃～+121℃	Standard	API Spec 16C 3rd edition
Inspection Department	Q.C. Department	Inspection date	2023.04.22

Inspection Items	Inspection results
Appearance Checking	In accordance with API Spec 16C 3rd edition
Size and Lengths	In accordance with API Spec 16C 3rd edition
Dimensions and Tolerances	In accordance with API Spec 16C 3rd edition
End Connections: 4-1/16″×10000psi Integral flange for sour gas service	In accordance with API Spec 6A 21st edition
Hydrostatic Testing	In accordance with API Spec 16C 3rd edition
product Marking	In accordance with API Spec 16C 3rd edition
Inspection conclusion	The inspected items meet standard requirements of API Spec 16C 3rd edition
Remarks	

Approver	Jiaolong Chen	Auditor	Hliqing Dong	Inspector	Zhansheng Wang

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LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

CERTIFICATE OF CONFORMANCE

№:LT230422014

Product Name：Choke And Kill Hose

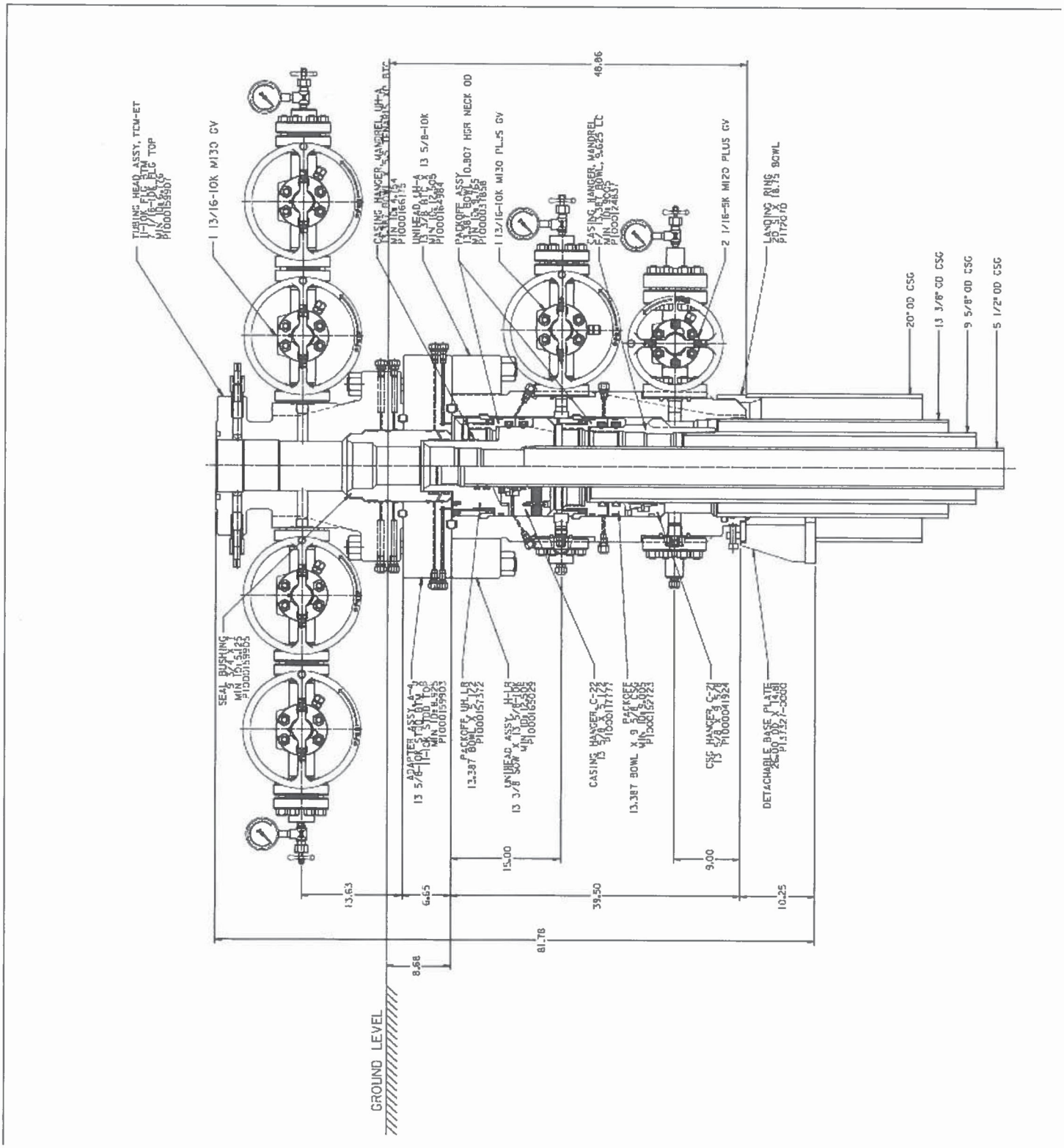
Product Specification：3″×10000psi×35ft(10.67m)

Serial Number：7660103~7660110

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

The Choke And Kill Hose assembly was produced by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD . in April 2023, and inspected by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD. according to API Spec 16C 3rd edition on April 22, 2023. The overall condition is good. This is to certify that the high pressure steel wire drilling hose assembly complies with all current standards and specifications for API Spec 16C 3rd edition .

QC Manager：Jiaolong Chen Date:April 22, 2023


TUBING HEAD ASSY, TCM-ET
11-10K FLG BTM
13 5/8-10K FLG TOP
P100015990?
13/16-10K M130 GV
CASING HANGER, MANDREL UH-A
13 5/8-10K
P100016619
UNIHEAD UH-4
13 5/8-10K
P100016419
PACKOFF ASSY
P100031858
13/16-10K M130 PLUS GV
CASING HANGER, MANDREL
P100012483?
2 1/16-5K M120 PLUS GV
LANDING RING
P1172?0
20" OD CSG
13 3/8" OD CSG
9 5/8" OD CSG
5 1/2" OD CSG
SEAL BUSHING
P100015990?
13 5/8-10K
P100015990?
13.387 PACKOFF UH-LR
P100015722
UNIHEAD ASSY H-LR
P100016502
CASING HANGER C-22
P100031777
13.387 BOWL X 9 PACKOFF
P100012972?
CSG HANGER C-21
P100004192?
DETACHABLE BASE PLATE
P1172?-2000
GROUND LEVEL
46.86
15.00
9.00
13.63
6.65
39.50
10.25
81.78
8.68

BLOWOUT PREVENTER SCHEMATIC

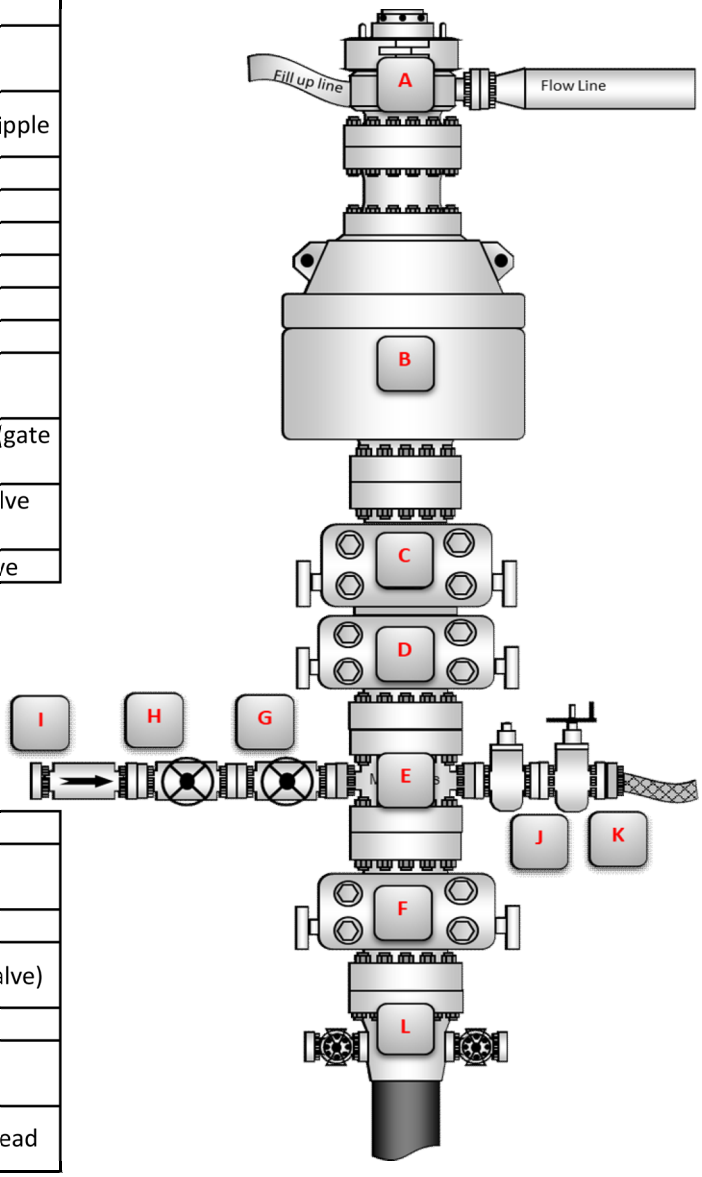
Operation:	Intermediate(s)
Minimum System operation pressure	5,000 psi

BOP Stack

Part	Size	Pressure Rating	Description
A	13-5/8"	N/A	Rotating Head/Bell nipple
B	13-5/8"	5,000	Annular
C	13-5/8"	5,000	Blind Ram
D	13-5/8"	5,000	Pipe Ram
E	13-5/8"	5,000	Mud Cross
F	13-5/8"	5,000	Pipe Ram

Kill Line

Part	Size	Pressure Rating	Description
G	2"	5,000	Inside Kill Line Valve (gate valve)
H	2"	5,000	Outside Kill Line Valve (gate valve)
I	2"	5,000	Kill Line Check valve



Choke line

Part	Size	Pressure Rating	Description
J	3"	5,000	HCR (gate valve)
K	3"	5,000	Manual HCR (gate valve)

Wellhead

Part	Size	Pressure Rating	Description
L	13-5/8"	5,000	FMC 5M/10M wellhead

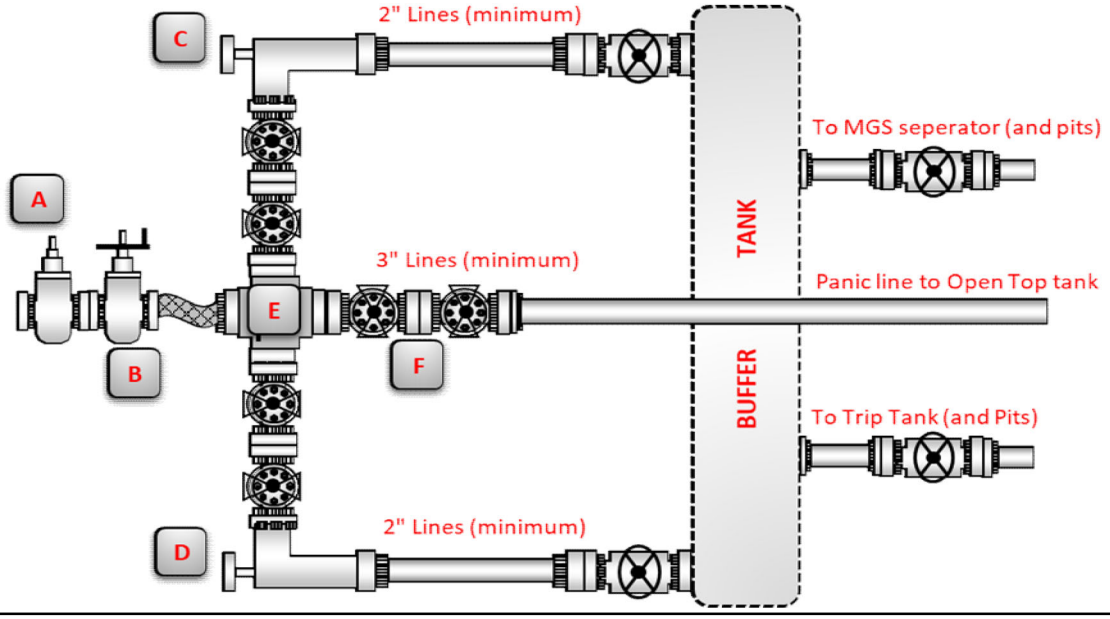
BOP Installation Checklist: *The following items must be verified and checked off prior to pressure testing BOP equipment*
The installed BOP equipment meets at least the minimum requirements (rating, type, size, configuration) as shown on this schematic. Components may be substituted for equivalent equipment rated to higher pressures. Additional components may be put into place as long as they meet or exceed the minimum pressure rating of the system.
All valves on the kill line and choke line will be full opening and will allow straight flow through.
The kill line and choke line will be straight unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and reduce vibration.
Manual (hand wheels) or automatic locking devices will be installed on all ram preventers. Hand wheels will also be install on all manual valves on the choke and kill line.
A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will remain open unless accumulator is inoperative.
Upper kelly cock valve with handle will be available on rig floor along with saved valve and subs to fit all drill string connections in use.

CHOKE MANIFOLD SCHEMATIC

Operation:	Intermediate(s)
Minimum System operation pressure	5,000 psi

Choke Manifold

Part	Size	Pressure Rating	Description
A	3"	5,000	HCR (remotely operated)
B	3"	5,000	HCR (manually operated)
C	2"	5,000	Remotely operated choke
D	2"	5,000	Adjustable choke
E	3"	5,000	Crown valve with pressure gage
F	3"	5,000	Panic line valves



Choke Manifold Installation Checklist: *The following items must be verified and checked off prior to pressure testing BOP equipment*
The installed BOP equipment meets at least the minimum requirements (rating, type, size, configuration) as shown on this schematic. Components may be substituted for equivalent equipment rated to higher pressures. Additional components may be put into place as long as they meet or exceed the minimum pressure rating of the system.
Adjustable chokes may be remotely operated but will have backup hand pump for hydraulic actuation in case of loss of rig air or power.
Flare and panic lines will terminate a minimum of 150' from the wellhead. These lines will terminate at a location as per approved APD.
The choke line, kill line and choke manifold lines will be straight unless turns use tee blocks or targeted with running tees, and will be anchored to prevent whip and reduce vibrations. A variance will be submitted if a flexible choke line will be used.
All valves (except chokes) on choke line, kill line and choke manifold will be full opening and will allow straight through flow. This excludes any valves between the mud gas separator and shale shakers.
All manual valves will have hand wheels installed.
Flare systems will have an effective method for ignition.
All connections will be flanged, welded or clamped
If buffer tank is used, a valve will be used on all lines at any entry or exit point to or from the buffer tank.

APD Variance Request

BOP Pressure Test Recording and Documentation

Chevron proposes a digital BOP test method in lieu of the standard test chart. BOP test pressures and other documented tests will be recorded and documented via utilization of Digital BOP Testing equipment and software. In the event the digital test system is unavailable, the standard test chart will be used.

Digital BOP testing provides an improved level of resolution and assurance into BOP pressure testing over conventional analog pressure charts. The BOP pressure testing software meets the intent of the onshore orders and CFR. The chart below provides the acceptance criteria programmed into the software.

Test	Test Time	Test Pressure Criteria	Additional Criteria
Low Pressure Test	10 min	3 psi/min decline	No visible leaks. Pressure shall not decrease below the intended test pressure.
High Pressure Test	10 min	10 psi/min decline	No visible leaks. Pressure shall not decrease below the intended test pressure.

Pressure transducers are calibrated to the manufacturers' specification. Each testing report will show information on the transducers including manufacturer, model, serial, and calibration date.

Digital testing software will be used by knowledgeable personnel for BOP pressure testing. The software will be operated per manufacturer requirements and will not be used beyond the explicitly intended purpose.

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API BTC

Coupling	Pipe Body
Grade: **L80 Type 1**	Grade: **L80 Type 1**
Body: **Red**	1st Band: **Red**
1st Band: **Brown**	2nd Band: **Brown**
2nd Band: **-**	3rd Band: **-**
3rd Band: **-**	4th Band: **-**

Outside Diameter	9.625 in.	**Wall Thickness**	0.395 in.	**Grade**	L80 Type 1
Min. Wall Thickness	87.50 %	**Pipe Body Drift**	API Standard	**Type**	Casing
Connection OD Option	Regular				

Pipe Body Data

Geometry				Performance	
Nominal OD	9.625 in.	**Drift**	8.679 in.	**SMYS**	80,000 psi
Wall Thickness	0.395 in.	**Plain End Weight**	38.97 lb/ft	**Min UTS**	95,000 psi
Nominal Weight	40 lb/ft	**OD Tolerance**	API	**Body Yield Strength**	916 x1000 lb
Nominal ID	8.835 in.			**Min. Internal Yield Pressure**	5750 psi
				Collapse Pressure	3090 psi
				Max. Allowed Bending	38 °/100 ft

Connection Data

Geometry		Performance	
Thread per In	5	**Joint Strength**	947 x1000 lb
Connection OD	10.625 in.	**Coupling Face Load**	837 x1000 lb
Hand Tight Stand Off	1 in.	**Internal Pressure Capacity**	5750 psi

Notes

For products according to API Standards 5CT & 5B; Performance calculated considering API Technical Report 5C3 (Sections 9 & 10) equations.
For geometrical and steel grades combinations not considered in the API Standards 5CT and/or 5B; Performance calculations indirectly derived from API Technical Report 5C3 (Sections 9 & 10) equations.
Couplings OD are shown according to current API 5CT 10th Edition.

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API BTC

Coupling	Pipe Body
Grade: **J55 (Casing)**	Grade: **J55 (Casing)**
Body: **Bright Green**	1st Band: **Bright Green**
1st Band: **White**	2nd Band: **-**
2nd Band: **-**	3rd Band: **-**
3rd Band: **-**	4th Band: **-**

Outside Diameter	13.375 in.	**Wall Thickness**	0.380 in.	**Grade**	J55 (Casing)
Min. Wall Thickness	87.50 %	**Pipe Body Drift**	API Standard	**Type**	Casing
Connection OD Option	Regular				

Pipe Body Data

Geometry				Performance	
Nominal OD	13.375 in.	**Drift**	12.459 in.	**SMYS**	55,000 psi
Wall Thickness	0.380 in.	**Plain End Weight**	52.79 lb/ft	**Min UTS**	75,000 psi
Nominal Weight	54.500 lb/ft	**OD Tolerance**	API	**Body Yield Strength**	853 x1000 lb
Nominal ID	12.615 in.			**Min. Internal Yield Pressure**	2730 psi
				Collapse Pressure	1130 psi
				Max. Allowed Bending	19 °/100 ft

Connection Data

Geometry		Performance	
Thread per In	5	**Joint Strength**	909 x1000 lb
Connection OD	14.375 in.	**Coupling Face Load**	766 x1000 lb
Hand Tight Stand Off	1 in.	**Internal Pressure Capacity**	2730 psi

Notes

For products according to API Standards 5CT & 5B; Performance calculated considering API Technical Report 5C3 (Sections 9 & 10) equations.
For geometrical and steel grades combinations not considered in the API Standards 5CT and/or 5B; Performance calculations indirectly derived from API Technical Report 5C3 (Sections 9 & 10) equations.
Couplings OD are shown according to current API 5CT 10th Edition.

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TenarisHydril Blue® SD6.125



Coupling	Pipe Body
Grade: **P110**	Grade: **P110**
Body: **White**	1st Band: **White**
1st Band: **-**	2nd Band: **-**
2nd Band: **-**	3rd Band: **-**
3rd Band: **-**	4th Band: **-**
	5th Band: **-**
	6th Band: **-**

Outside Diameter	7.000 in.	**Wall Thickness**	0.408 in.	**Grade**	P110
Min. Wall Thickness	90.00 %	**Pipe Body Drift**	Special Drift	**Type**	Casing
Connection OD Option	REGULAR				

Pipe Body Data

Geometry				Performance	
Nominal OD	7.000 in.	**Wall Thickness**	0.408 in.	**Body Yield Strength**	929 x1000 lb
Nominal Weight	29 lb/ft	**Plain End Weight**	28.75 lb/ft	**Min. Internal Yield Pressure**	11,540 psi
Drift	6.125 in.	**OD Tolerance**	API	**SMYS**	110,000 psi
Nominal ID	6.184 in.			**Collapse Pressure**	8530 psi

Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	7.680 in.	**Tension Efficiency**	100 %	**Minimum**	9060 ft-lb
Coupling Length	10.550 in.	**Joint Yield Strength**	929 x1000 lb	**Optimum**	10,070 ft-lb
Connection ID	6.190 in.	**Internal Pressure Capacity**	11,540 psi	**Maximum**	11,080 ft-lb
Make-up Loss	4.480 in.	**Compression Efficiency**	89.30 %		
Threads per inch	4	**Compression Strength**	830 x1000 lb	**Shoulder Torques**	
Connection OD Option	Regular	**Max. Allowable Bending**	64.30 °/100 ft	**Minimum**	1510 ft-lb
		External Pressure Capacity	8530 psi	**Maximum**	8560 ft-lb
		Coupling Face Load	433,000 lb	**Operation Limit Torques**	
				Operating Torque	25,220 ft-lb
				Yield Torque	31,520 ft-lb

Notes

This connection is fully interchangeable with:
Blue® - 7 in. - 0.317 / 0.343 / 0.362 / 0.453 / 0.498 / 0.54 / 0.59 / 0.64 in.
Connections with Dopeless® Technology are fully compatible with the same connection in its Standard version

For the lastest performance data, always visit our website: www.tenaris.com
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Wedge 513®



Coupling	Pipe Body
Grade: **P110**	Grade: **P110**
Body: **White**	1st Band: **White**
1st Band: **-**	2nd Band: **-**
2nd Band: **-**	3rd Band: **-**
3rd Band: **-**	4th Band: **-**
	5th Band: **-**
	6th Band: **-**

Outside Diameter	5.000 in.	**Wall Thickness**	0.362 in.	**Grade**	P110
Min. Wall Thickness	87.50 %	**Pipe Body Drift**	API Standard	**Type**	Casing
Connection OD Option	REGULAR				

Pipe Body Data

Geometry				Performance	
Nominal OD	5.000 in.	**Wall Thickness**	0.362 in.	**Body Yield Strength**	580 x1000 lb
Nominal Weight	18 lb/ft	**Plain End Weight**	17.95 lb/ft	**Min. Internal Yield Pressure**	13,940 psi
Drift	4.151 in.	**OD Tolerance**	API	**SMYS**	110,000 psi
Nominal ID	4.276 in.			**Collapse Pressure**	13,470 psi

Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	5 in.	**Tension Efficiency**	63.70 %	**Minimum**	6500 ft-lb
Connection ID	4.194 in.	**Joint Yield Strength**	369 x1000 lb	**Optimum**	7800 ft-lb
Make-up Loss	4.320 in.	**Internal Pressure Capacity**	13,940 psi	**Maximum**	11,400 ft-lb
Threads per inch	3.36	**Compression Efficiency**	73.70 %		
Connection OD Option	Regular	**Compression Strength**	427 x1000 lb	**Operation Limit Torques**	
		Max. Allowable Bending	64.34 °/100 ft	**Operating Torque**	19,300 ft-lb
		External Pressure Capacity	13,470 psi	**Yield Torque**	29,000 ft-lb

Notes

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Wedge 521®



Coupling	Pipe Body
Grade: **P110**	Grade: **P110**
Body: **White**	1st Band: **White**
1st Band: **-**	2nd Band: **-**
2nd Band: **-**	3rd Band: **-**
3rd Band: **-**	4th Band: **-**
	5th Band: **-**
	6th Band: **-**

Outside Diameter	4.500 in.	**Wall Thickness**	0.250 in.	**Grade**	P110
Min. Wall Thickness	87.50 %	**Pipe Body Drift**	API Standard	**Type**	Casing
Connection OD Option	REGULAR				

Pipe Body Data

Geometry				Performance	
Nominal OD	4.500 in.	**Wall Thickness**	0.250 in.	**Body Yield Strength**	367 x1000 lb
Nominal Weight	11.60 lb/ft	**Plain End Weight**	11.36 lb/ft	**Min. Internal Yield Pressure**	10,690 psi
Drift	3.875 in.	**OD Tolerance**	API	**SMYS**	110,000 psi
Nominal ID	4 in.			**Collapse Pressure**	7580 psi

Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	4.695 in.	**Tension Efficiency**	64.20 %	**Minimum**	3600 ft-lb
Connection ID	3.960 in.	**Joint Yield Strength**	236 x1000 lb	**Optimum**	4300 ft-lb
Make-up Loss	3.620 in.	**Internal Pressure Capacity**	10,690 psi	**Maximum**	6300 ft-lb
Threads per inch	3.36	**Compression Efficiency**	84.80 %		
Connection OD Option	Regular	**Compression Strength**	311 x1000 lb	**Operation Limit Torques**	
		Max. Allowable Bending	71.90 °/100 ft	**Operating Torque**	14,000 ft-lb
		External Pressure Capacity	7580 psi	**Yield Torque**	21,000 ft-lb

Notes

This connection is fully interchangeable with:
Wedge 521® - 4.5 in. - 0.224 / 0.237 / 0.271 / 0.29 in.
Connections with Dopeless® Technology are fully compatible with the same connection in its Standard version

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H_2S Preparedness and Contingency Plan Summary

Training

MCBU Drilling and Completions H_2S training requirements are intended to define the minimum level of training required for employees, contractors and visitors to enter or perform work at MCBU Drilling and Completions locations that have known concentrations of H_2S.

Awareness Level

Employees and visitors to MCBU Drilling and Completions locations that have known concentrations of H_2S, who are not required to perform work in H_2S areas, will be provided with an awareness level of H_2S training prior to entering any H_2S areas. At a minimum, awareness level training will include:

1. Physical and chemical properties of H_2S
2. Health hazards of H_2S
3. Personal protective equipment
4. Information regarding potential sources of H_2S
5. Alarms and emergency evacuation procedures

Awareness level training will be developed and conducted by personnel who are qualified either by specific training, educational experience and/or work-related background.

Advanced Level H_2S Training

Employees and contractors required to work in areas that may contain H_2S will be provided with Advanced Level H_2S training prior to initial assignment. In addition to the Awareness Level requirements, Advanced Level H_2S training will include:

1. H_2S safe work practice procedures;
2. Emergency contingency plan procedures;
3. Methods to detect the presence or release of H_2S (e.g., alarms, monitoring equipment), including hands-on training with direct reading and personal monitoring H_2S equipment.
4. Basic overview of respiratory protective equipment suitable for use in H_2S environments. Note: Employees who work at sites that participate in the Chevron Respirator User program will require separate respirator training as required by the MCBU Respiratory Protection Program;
5. Basic overview of emergency rescue techniques, first aid, CPR and medical evaluation procedures. Employees who may be required to perform “standby” duties are required to receive additional first aid and CPR training, which is not covered in the Advanced Level H_2S training;
6. Proficiency examination covering all course material.

Advanced H_2S training courses will be instructed by personnel who have successfully completed an appropriate H_2S train-the-trainer development course (ANSI/ASSE Z390.1-2006) or who possess significant past experience through educational or work-related background.

H_2S Preparedness and Contingency Plan Summary

H_2S Training Certification

All employees and visitors will be issued an H_2S training certification card (or certificate) upon successful completion of the appropriate H_2S training course. Personnel working in an H_2S environment will carry a current H_2S training certification card as proof of having received the proper training on their person at all times.

Briefing Area

A minimum of two briefing areas will be established in locations that at least one area will be up-wind from the well at all times. Upon recognition of an emergency situation, all personnel should assemble at the designated upwind briefing areas for instructions.

H_2S Equipment

Respiratory Protection

a) Six 30 minute SCBAs – 2 at each briefing area and 2 in the Safety Trailer.

b) Eight 5 minute EBAs – 5 in the dog house at the rig floor, 1 at the accumulator, 1 at the shale shakers and 1 at the mud pits.

Visual Warning System

a) One color code sign, displaying all possible conditions, will be placed at the entrance to the location with a flag displaying the current condition.

b) Two windsocks will be on location, one on the dog house and one on the Drill Site Manager's Trailer.

H_2S Detection and Monitoring System

a) H_2S monitoring system (sensor head, warning light and siren) placed throughout rig.

- Drilling Rig Locations: at a minimum, in the area of the Shale shaker, rig floor, and bell nipple.
- Workover Rig Locations: at a minimum, in the area of the Cellar, rig floor and circulating tanks or shale shaker.

H_2S Preparedness and Contingency Plan Summary

Well Control Equipment

a) Flare Line 150’ from wellhead with igniter.

b) Choke manifold with a remotely operated choke.

c) Mud / gas separator

Mud Program

In the event of drilling, completions, workover and well servicing operations involving a hydrogen sulfide concentration of 100 ppm or greater the following shall be considered:

1. Use of a degasser
2. Use of a zinc based mud treatment
3. Increasing mud weight

Public Safety - Emergency Assistance

Agency	Telephone Number
Lea County Sheriff’s Department	575-396-3611
Fire Department:	
Carlsbad	575-885-3125
Artesia	575-746-5050
Lea County Regional Medical Center	575-492-5000
Jal Community Hospital	505-395-2511
Lea County Emergency Management	575-396-8602
Poison Control Center	800-222-1222

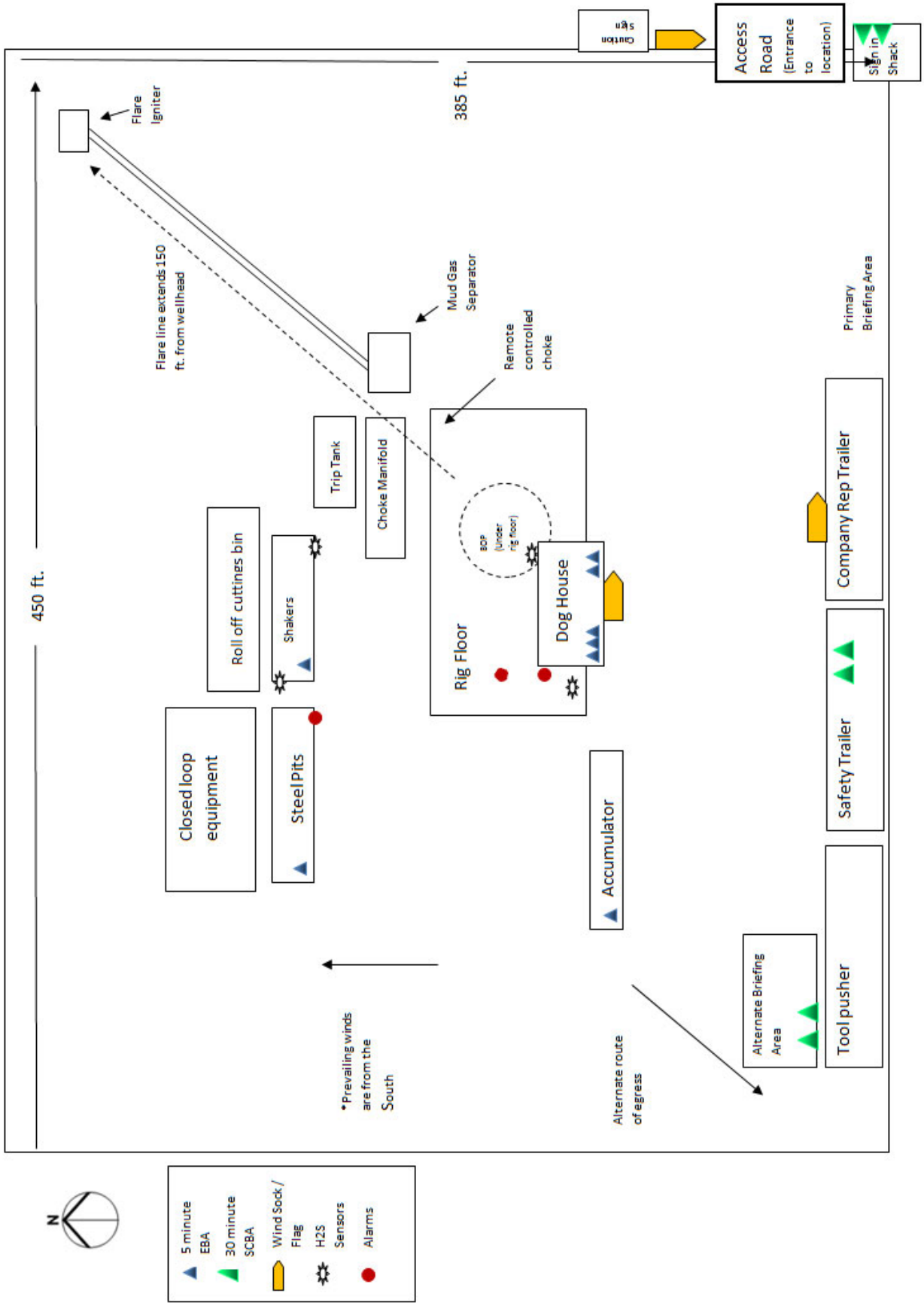
H_2S Preparedness and Contingency Plan Summary

Chevron MCBU D&C Emergency Notifications

Below are lists of contacts to be used in emergency situations.

	Name	Title	Office Number	Cell Phone
1.	**TBD**	Drilling Engineer		
2.	Sergio Hernandez	Superintendent	713 372 1402	
5.	Dennis Mchugh	Drilling Manager	(713) 372-4496	
6.	Kyle Eastman	Operations Manager	713-372-5863	
7.	TBD	D&C HES		
8.	TBD	Completion Engineer		

H_2S Preparedness and Contingency Plan Summary



JS 24 22 Fed Com No. 411H R0 mdv 07Feb23 Proposal Geodetic Report

Def Plan

Report Date:	February 09, 2023 - 08:33 PM (UTC 0)	**Survey / DLS Computation:**	Minimum Curvature / Lubinski
Client:	Chevron	**Vertical Section Azimuth:**	269.880 °(GRID North)
Field:	NM, Eddy County (NAD 27 EZ)	**Vertical Section Origin:**	0.000 ft, 0.000 ft
Structure / Slot:	Chevron JS Pad 2 / JS 24 22 Fed Com No. 411H	**TVD Reference Datum:**	RKB
Well:	JS 24 22 Fed Com No. 411H	**TVD Reference Elevation:**	3393.000 ft above MSL
Borehole:	JS 24 22 Fed Com No. 411H	**Seabed / Ground Elevation:**	3365.000 ft above MSL
UBHI / API#:	Unknown / Unknown	**Magnetic Declination:**	6.880°
Survey Name:	JS 24 22 Fed Com No. 411H R0 mdv 07Feb23	**Total Gravity Field Strength:**	998.418mgn (9.80665 Based)
Survey Date:	February 09, 2023	**Gravity Model:**	GARM
Tort / AHD / DDI / ERD Ratio:	127.099 ° / 17966.898 ft / 6.807 / 2.002	**Total Magnetic Field Strength:**	47372.808 nT
Coordinate Reference System:	NAD27 New Mexico State Plane, Eastern Zone, US Feet	**Magnetic Dip Angle:**	59.517°
Location Lat / Long:	32°1'43.80320"N , 104°14'4.64402"W	**Declination Date:**	February 09, 2023
Location Grid N/E Y/X:	N 374230.000 ftUS , E 530590.000 ftUS	**Magnetic Declination Model:**	HDGM 2023
CRS Grid Convergence Angle:	0.0524°	**North Reference:**	Grid North
Grid Scale Factor:	0.99991016	**Grid Convergence Used:**	0.0524°
Version / Patch:	2022.5.0.11	**Total Corr Mag North->Grid North:**	6.8274°
		Local Coord Referenced To:	Well Head

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)
Surface	0.00	0.00	198.35	0.00	-3,393.00	0.00	0.00	0.00	374,230.00	530,590.00	32.02883422	-104.23462334			
	100.00	0.00	198.35	100.00	-3,293.00	0.00	0.00	0.00	374,230.00	530,590.00	32.02883422	-104.23462334	0.00	0.00	0.00
	200.00	0.00	198.35	200.00	-3,193.00	0.00	0.00	0.00	374,230.00	530,590.00	32.02883422	-104.23462334	0.00	0.00	0.00
	300.00	0.00	198.35	300.00	-3,093.00	0.00	0.00	0.00	374,230.00	530,590.00	32.02883422	-104.23462334	0.00	0.00	0.00
	400.00	0.00	198.35	400.00	-2,993.00	0.00	0.00	0.00	374,230.00	530,590.00	32.02883422	-104.23462334	0.00	0.00	0.00
Castile (CSTL)	479.73	0.00	198.35	479.73	-2,913.27	0.00	0.00	0.00	374,230.00	530,590.00	32.02883422	-104.23462334	0.00	0.00	0.00
	500.00	0.00	198.35	500.00	-2,893.00	0.00	0.00	0.00	374,230.00	530,590.00	32.02883422	-104.23462334	0.00	0.00	0.00
	600.00	0.00	198.35	600.00	-2,793.00	0.00	0.00	0.00	374,230.00	530,590.00	32.02883422	-104.23462334	0.00	0.00	0.00
	700.00	0.00	198.35	700.00	-2,693.00	0.00	0.00	0.00	374,230.00	530,590.00	32.02883422	-104.23462334	0.00	0.00	0.00
Build 1.5°/100ft	800.00	0.00	198.35	800.00	-2,593.00	0.00	0.00	0.00	374,230.00	530,590.00	32.02883422	-104.23462334	0.00	0.00	0.00
	900.00	1.50	198.35	899.99	-2,493.01	0.41	-1.24	-0.41	374,228.76	530,589.59	32.02883081	-104.23462467	1.50	1.50	0.00
	1,000.00	3.00	198.35	999.91	-2,393.09	1.66	-4.97	-1.65	374,225.03	530,588.35	32.02882057	-104.23462867	1.50	1.50	0.00
	1,100.00	4.50	198.35	1,099.69	-2,293.31	3.73	-11.18	-3.71	374,218.82	530,586.29	32.02880351	-104.23463533	1.50	1.50	0.00
	1,200.00	6.00	198.35	1,199.27	-2,193.73	6.63	-19.86	-6.59	374,210.14	530,583.41	32.02877964	-104.23464465	1.50	1.50	0.00
	1,300.00	7.50	198.35	1,298.57	-2,094.43	10.35	-31.02	-10.29	374,198.99	530,579.71	32.02874899	-104.23465662	1.50	1.50	0.00
	1,400.00	9.00	198.35	1,397.54	-1,995.46	14.90	-44.64	-14.80	374,185.37	530,575.20	32.02871156	-104.23467124	1.50	1.50	0.00
	1,500.00	10.50	198.35	1,496.09	-1,896.91	20.26	-60.71	-20.14	374,169.30	530,569.87	32.02866739	-104.23468849	1.50	1.50	0.00
	1,600.00	12.00	198.35	1,594.16	-1,798.84	26.44	-79.23	-26.28	374,150.78	530,563.72	32.02861651	-104.23470836	1.50	1.50	0.00
	1,700.00	13.50	198.35	1,691.70	-1,701.30	33.44	-100.17	-33.23	374,129.84	530,556.78	32.02855895	-104.23473084	1.50	1.50	0.00
	1,800.00	15.00	198.35	1,788.62	-1,604.38	41.23	-123.54	-40.97	374,106.48	530,549.03	32.02849475	-104.23475591	1.50	1.50	0.00
	1,900.00	16.50	198.35	1,884.86	-1,508.14	49.83	-149.30	-49.52	374,080.71	530,540.48	32.02842395	-104.23478356	1.50	1.50	0.00
	2,000.00	18.00	198.35	1,980.36	-1,412.64	59.23	-177.44	-58.85	374,052.57	530,531.15	32.02834661	-104.23481376	1.50	1.50	0.00
Hold	2,000.04	18.00	198.35	1,980.39	-1,412.61	59.23	-177.46	-58.86	374,052.56	530,531.15	32.02834657	-104.23481377	1.50	1.50	0.00
Lamar (LMAR)	2,045.12	18.00	198.35	2,023.27	-1,369.73	63.64	-190.68	-63.24	374,039.34	530,526.76	32.02831024	-104.23482796	0.00	0.00	0.00
Bell Canyon (BLCN)	2,076.15	18.00	198.35	2,052.78	-1,340.22	66.68	-199.78	-66.26	374,030.24	530,523.74	32.02828523	-104.23483773	0.00	0.00	0.00
	2,100.00	18.00	198.35	2,075.46	-1,317.54	69.02	-206.78	-68.58	374,023.24	530,521.42	32.02826600	-104.23484524	0.00	0.00	0.00
	2,200.00	18.00	198.35	2,170.57	-1,222.43	78.81	-236.11	-78.31	373,993.91	530,511.70	32.02818540	-104.23487671	0.00	0.00	0.00
	2,300.00	18.00	198.35	2,265.67	-1,127.33	88.60	-265.44	-88.04	373,964.59	530,501.97	32.02810480	-104.23490819	0.00	0.00	0.00
	2,400.00	18.00	198.35	2,360.78	-1,032.22	98.39	-294.77	-97.77	373,935.26	530,492.24	32.02802420	-104.23493967	0.00	0.00	0.00
	2,500.00	18.00	198.35	2,455.88	-937.12	108.18	-324.10	-107.50	373,905.93	530,482.51	32.02794359	-104.23497114	0.00	0.00	0.00
	2,600.00	18.00	198.35	2,550.99	-842.01	117.97	-353.43	-117.23	373,876.60	530,472.78	32.02786299	-104.23500262	0.00	0.00	0.00
	2,700.00	18.00	198.35	2,646.10	-746.90	127.76	-382.76	-126.96	373,847.27	530,463.06	32.02778239	-104.23503409	0.00	0.00	0.00
	2,800.00	18.00	198.35	2,741.20	-651.80	137.55	-412.10	-136.68	373,817.94	530,453.33	32.02770179	-104.23506557	0.00	0.00	0.00
	2,900.00	18.00	198.35	2,836.31	-556.69	147.34	-441.43	-146.41	373,788.61	530,443.60	32.02762118	-104.23509705	0.00	0.00	0.00
Cherry Canyon (CRCN)	2,992.84	18.00	198.35	2,924.60	-468.40	156.43	-468.66	-155.44	373,761.39	530,434.57	32.02754635	-104.23512627	0.00	0.00	0.00
	3,000.00	18.00	198.35	2,931.41	-461.59	157.13	-470.76	-156.14	373,759.29	530,433.87	32.02754058	-104.23512852	0.00	0.00	0.00
	3,100.00	18.00	198.35	3,026.52	-366.48	166.92	-500.09	-165.87	373,729.96	530,424.15	32.02745998	-104.23516000	0.00	0.00	0.00
	3,200.00	18.00	198.35	3,121.62	-271.38	176.71	-529.42	-175.60	373,700.63	530,414.42	32.02737938	-104.23519147	0.00	0.00	0.00
	3,300.00	18.00	198.35	3,216.73	-176.27	186.50	-558.75	-185.33	373,671.30	530,404.69	32.02729877	-104.23522295	0.00	0.00	0.00
	3,400.00	18.00	198.35	3,311.83	-81.17	196.29	-588.08	-195.06	373,641.97	530,394.96	32.02721817	-104.23525442	0.00	0.00	0.00
	3,500.00	18.00	198.35	3,406.94	13.94	206.08	-617.41	-204.78	373,612.64	530,385.23	32.02713757	-104.23528590	0.00	0.00	0.00
	3,600.00	18.00	198.35	3,502.04	109.04	215.87	-646.75	-214.51	373,583.31	530,375.51	32.02705697	-104.23531737	0.00	0.00	0.00
	3,700.00	18.00	198.35	3,597.15	204.15	225.66	-676.08	-224.24	373,553.98	530,365.78	32.02697636	-104.23534885	0.00	0.00	0.00
	3,800.00	18.00	198.35	3,692.25	299.25	235.45	-705.41	-233.97	373,524.66	530,356.05	32.02689576	-104.23538032	0.00	0.00	0.00
	3,900.00	18.00	198.35	3,787.36	394.36	245.24	-734.74	-243.70	373,495.33	530,346.32	32.02681516	-104.23541180	0.00	0.00	0.00
	4,000.00	18.00	198.35	3,882.46	489.46	255.03	-764.07	-253.43	373,466.00	530,336.60	32.02673456	-104.23544328	0.00	0.00	0.00
	4,100.00	18.00	198.35	3,977.57	584.57	264.82	-793.40	-263.16	373,436.67	530,326.87	32.02665395	-104.23547475	0.00	0.00	0.00
Brushy Canyon (BCN)	4,131.04	18.00	198.35	4,007.09	614.09	267.86	-802.51	-266.18	373,427.57	530,323.85	32.02662894	-104.23548452	0.00	0.00	0.00
	4,200.00	18.00	198.35	4,072.68	679.68	274.61	-822.73	-272.88	373,407.34	530,317.14	32.02657335	-104.23550623	0.00	0.00	0.00
	4,300.00	18.00	198.35	4,167.78	774.78	284.40	-852.07	-282.61	373,378.01	530,307.41	32.02649275	-104.23553770	0.00	0.00	0.00
	4,400.00	18.00	198.35	4,262.89	869.89	294.19	-881.40	-292.34	373,348.68	530,297.68	32.02641215	-104.23556918	0.00	0.00	0.00
	4,500.00	18.00	198.35	4,357.99	964.99	303.98	-910.73	-302.07	373,319.36	530,287.96	32.02633154	-104.23560065	0.00	0.00	0.00
	4,600.00	18.00	198.35	4,453.10	1,060.10	313.77	-940.06	-311.80	373,290.03	530,278.23	32.02625094	-104.23563213	0.00	0.00	0.00
	4,700.00	18.00	198.35	4,548.20	1,155.20	323.56	-969.39	-321.53	373,260.70	530,268.50	32.02617034	-104.23566360	0.00	0.00	0.00
	4,800.00	18.00	198.35	4,643.31	1,250.31	333.35	-998.72	-331.26	373,231.37	530,258.77	32.02608974	-104.23569507	0.00	0.00	0.00
	4,900.00	18.00	198.35	4,738.41	1,345.41	343.14	-1,028.05	-340.99	373,202.04	530,249.05	32.02600913	-104.23572655	0.00	0.00	0.00
	5,000.00	18.00	198.35	4,833.52	1,440.52	352.93	-1,057.38	-350.71	373,172.71	530,239.32	32.02592853	-104.23575802	0.00	0.00	0.00
	5,100.00	18.00	198.35	4,928.62	1,535.62	362.72	-1,086.72	-360.44	373,143.38	530,229.59	32.02584793	-104.23578950	0.00	0.00	0.00
	5,200.00	18.00	198.35	5,023.73	1,630.73	372.51	-1,116.05	-370.17	373,114.06	530,219.86	32.02576733	-104.23582097	0.00	0.00	0.00
	5,300.00	18.00	198.35	5,118.83	1,725.83	382.30	-1,145.38	-379.90	373,084.73	530,210.13	32.02568672	-104.23585245	0.00	0.00	0.00
	5,400.00	18.00	198.35	5,213.94	1,820.94	392.09	-1,174.71	-389.63	373,055.40	530,200.41	32.02560612	-104.23588392	0.00	0.00	0.00
	5,500.00	18.00	198.35	5,309.04	1,916.04	401.88	-1,204.04	-399.36	373,026.07	530,190.68	32.02552552	-104.23591540	0.00	0.00	0.00
	5,600.00	18.00	198.35	5,404.15	2,011.15	411.67	-1,233.37	-409.09	372,996.74	530,180.95	32.02544492	-104.23594687	0.00	0.00	0.00
	5,700.00	18.00	198.35	5,499.26	2,106.26	421.46	-1,262.70	-418.81	372,967.41	530,171.22	32.02536431	-104.23597835	0.00	0.00	0.00
	5,800.00	18.00	198.35	5,594.36	2,201.36	431.25	-1,292.04	-428.54	372,938.08	530,161.50	32.02528371	-104.23600982	0.00	0.00	0.00
Bone Spring Lime (BSGL)	5,863.81	18.00	198.35	5,655.05	2,262.05	437.50	-1,310.75	-434.75	372,919.37	530,155.29	32.02523228	-104.23602990	0.00	0.00	0.00
	5,900.00	18.00	198.35	5,689.47	2,296.47	441.04	-1,321.37	-438.27	372,908.75	530,151.77	32.02520311	-104.23604129	0.00	0.00	0.00
Drop 0.75°/100ft	5,919.95	18.00	198.35	5,708.44	2,315.44	442.99	-1,327.22	-440.21	372,902.90	530,149.83	32.02518703	-104.23604757	0.00	0.00	0.00
Avalon Upper (AVU)	5,983.99	17.52	198.35	5,769.43	2,376.43	449.18	-1,345.76	-446.36	372,884.36	530,143.68	32.02513607	-104.23606747	0.75	-0.75	0.00
	6,000.00	17.40	198.35	5,784.70	2,391.70	450.70	-1,350.32	-447.87	372,879.81	530,142.17	32.02512355	-104.23607236	0.75	-0.75	0.00
	6,100.00	16.65	198.35	5,880.32	2,487.32	459.98	-1,378.11	-457.09	372,852.02	530,132.95	32.02504718	-104.23610218	0.75	-0.75	0.00
	6,200.00	15.90	198.35	5,976.31	2,583.31	468.86	-1,404.71	-465.91	372,825.42	530,124.13	32.02497408	-104.23613072	0.75	-0.75	0.00
	6,300.00	15.15	198.35	6,072.66	2,679.66	477.34	-1,430.11	-474.34	372,800.02	530,115.70	32.02490427	-104.23615799	0.75	-0.75	0.00
Avalon Lower (AVL)	6,367.17	14.65	198.35	6,137.57	2,744.57	482.81	-1,446.51	-479.78	372,783.63	530,110.27	32.02485923	-104.23617557	0.75	-0.75	0.00
	6,400.00	14.40	198.35	6,169.35	2,776.35	485.41	-1,454.32	-482.37	372,775.81	530,107.67	32.02483775	-104.23618396	0.75	-0.75	0.00
	6,500.00	13.65	198.35	6,266.37	2,873.37	493.09	-1,477.32	-490.00	372,752.81	530,100.05	32.02477454	-104.23620864	0.75	-0.75	0.00
	6,600.00	12.90	198.35	6,363.70	2,970.70	500.37	-1,499.12	-497.23	372,731.02	530,092.82	32.02471465	-104.23623203	0.75	-0.75	0.00
	6,700.00	12.15	198.35	6,461.32	3,068.32	507.24	-1,519.70	-504.06	372,710.44	530,085.99	32.02465808	-104.23625412	0.75	-0.75	0.00
	6,800.00	11.40	198.35	6,559.21	3,166.21	513.70	-1,539.07	-510.48	372,691.07	530,079.57	32.02460485	-104.23627490	0.75	-0.75	0.00
First Bone Spring (FBS)	6,816.63	11.28	198.35	6,575.52	3,182.52	514.74	-1,542.17	-511.51	372,687.97	530,078.54	32.02459633	-104.23627823	0.75	-0.75	0.00
	6,900.00	10.65	198.35	6,657.37	3,264.37	519.76	-1,557.22	-516.50	372,672.92	530,073.55	32.02455497	-104.23629438	0.75	-0.75	0.00
First Bone Spring Shale (FBS_S	6,991.25	9.97	198.35	6,747.14	3,354.14	524.93	-1,572.72	-521.64	372,657.42	530,068.41	32.02451239	-104.23631101	0.75	-0.75	0.00
	7,000.00	9.90	198.35	6,755.76	3,362.76	525.41	-1,574.15	-522.12	372,655.99	530,067.93	32.02450845	-104.23631255	0.75	-0.75	0.00
	7,100.00	9.15	198.35	6,854.38	3,461.38	530.65	-1,589.86	-527.33	372,640.29	530,062.72	32.02446529	-104.23632940	0.75	-0.75	0.00
	7,200.00	8.40	198.35	6,953.21	3,560.21	535.49	-1,604.34	-532.13	372,625.81	530,057.92	32.02442550	-104.23634494	0.75	-0.75	0.00
	7,300.00	7.65	198.35	7,052.23	3,659.23	539.91	-1,617.59	-536.52	372,612.56	530,053.53	32.02438908	-104.23635916	0.75	-0.75	0.00
Second Bone Spring Upper (SBL	7,326.95	7.45	198.35	7,078.95	3,685.95	541.03	-1,620.95	-537.64	372,609.20	530,052.41	32.02437985	-104.23636276	0.75	-0.75	0.00
	7,400.00	6.90	198.35	7,151.42	3,758.42	543.92	-1,629.61	-540.51	372,600.54	530,049.54	32.02435605	-104.23637205	0.75	-0.75	0.00
	7,500.00	6.15	198.35	7,250.78	3,857.78	547.52	-1,640.40	-544.09	372,589.75	530,045.96	32.02432641	-104.23638363	0.75	-0.75	0.00
	7,600.00	5.40	198.35	7,350.27	3,957.27	550.71	-1,649.95	-547.26	372,580.20	530,042.79	32.02430017	-104.23639388	0.75	-0.75	0.00
	7,700.00	4.65	198.35	7,449.88	4,056.88	553.49	-1,658.26	-550.01	372,571.89	530,040.04	32.02427732	-104.23640280	0.75	-0.75	0.00
Second Bone Spring Lower (SBL	7,792.39	3.96	198.35	7,542.01	4,149.01	555.68	-1,664.84	-552.20	372,565.31	530,037.85	32.02425924	-104.23640986	0.75	-0.75	0.00
	7,800.00	3.90	198.35	7,549.60	4,156.60	555.85	-1,665.34	-552.36	372,564.82	530,037.69	32.02425788	-104.23641039	0.75	-0.75	0.00
	7,900.00	3.15	198.35	7,649.41	4,256.41	557.79	-1,671.17	-554.30	372,558.98	530,035.76	32.02424184	-104.23641665	0.75	-0.75	0.00
	8,000.00	2.40	198.35	7,749.30	4,356.30	559.33	-1,675.77	-555.82	372,554.39	530,034.23	32.02422921	-104.23642158	0.75	-0.75	0.00
	8,100.00	1.65	198.35	7,849.23	4,456.23	560.45	-1,679.12	-556.93	372,551.03	530,033.12	32.02421999	-104.23642518	0.75	-0.75	0.00
	8,200.00	0.90	198.35	7,949.21	4,556.21	561.15	-1,681.24	-557.63	372,548.92	530,032.42	32.02421419	-104.23642745	0.75	-0.75	0.00
	8,300.00	0.15	198.35	8,049.20	4,656.20	561.44	-1,682.11	-557.92	372,548.05	530,032.13	32.02421180	-104.23642838	0.75	-0.75	0.00
Hold	8,320.03	0.00	198.35	8,069.23	4,676.23	561.45	-1,682.13	-557.93	372,548.02	530,032.12	32.02421173	-104.23642841	0.75	-0.75	0.00
Third Bone Spring 1st Carbonate	8,380.18	0.00	198.35	8,129.38	4,736.38	561.45	-1,682.13	-557.93	372,548.02	530,032.12	32.02421173	-104.23642841	0.00	0.00	0.00
	8,400.00	0.00	198.35	8,149.20	4,756.20	561.45	-1,682.13	-557.93	372,548.02	530,032.12	32.02421173	-104.23642841	0.00	0.00	0.00
	8,500.00	0.00	198.35	8,249.20	4,856.20	561.45	-1,682.13	-557.93	372,548.02	530,032.12	32.02421173	-104.23642841	0.00	0.00	0.00
Third Bone Spring	8,598.97	0.00	198.35	8,348.17	4,955.17	561.45	-1,682.13	-557.93	372,548.02	530,032.12	32.02421173	-104.23642841	0.00	0.00	0.00
	8,600.00	0.00	198.35	8,349.20	4,956.20	561.45	-1,682.13	-557.93	372,548.02	530,032.12	32.02421173	-104.23642841	0.00	0.00	0.00
Build 10°/100ft	8,654.03	0.00	198.35	8,403.23	5,010.23	561.45	-1,682.13	-557.93	372,548.02	530,032.12	32.02421173	-104.23642841	0.00	0.00	0.00
	8,700.00	4.60	269.80	8,449.15	5,056.15	563.30	-1,682.14	-559.77	372,548.02	530,030.28	32.02421172	-104.23643436	10.00	10.00	0.00

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)
	8,800.00	14.60	269.80	8,547.63	5,154.63	579.95	-1,682.19	-576.42	372,547.96	530,013.63	32.02421160	-104.23648808	10.00	10.00	0.00
	8,900.00	24.60	269.80	8,641.72	5,248.72	613.44	-1,682.31	-609.92	372,547.85	529,980.13	32.02421137	-104.23659616	10.00	10.00	0.00
Wolfcamp A	8,969.13	31.51	269.80	8,702.69	5,309.69	645.94	-1,682.42	-642.42	372,547.74	529,947.64	32.02421114	-104.23670099	10.00	10.00	0.00
	9,000.00	34.60	269.80	8,728.56	5,335.56	662.77	-1,682.48	-659.25	372,547.68	529,930.81	32.02421103	-104.23675531	10.00	10.00	0.00
	9,100.00	44.60	269.80	8,805.51	5,412.51	726.43	-1,682.69	-722.91	372,547.46	529,867.16	32.02421058	-104.23696069	10.00	10.00	0.00
	9,200.00	54.60	269.80	8,870.25	5,477.25	802.48	-1,682.95	-798.96	372,547.20	529,791.11	32.02421006	-104.23720607	10.00	10.00	0.00
	9,300.00	64.60	269.80	8,920.79	5,527.79	888.62	-1,683.25	-885.10	372,546.91	529,704.98	32.02420946	-104.23748399	10.00	10.00	0.00
	9,400.00	74.60	269.80	8,955.61	5,562.61	982.23	-1,683.57	-978.71	372,546.59	529,611.38	32.02420881	-104.23778601	10.00	10.00	0.00
	9,500.00	84.60	269.80	8,973.64	5,580.64	1,080.46	-1,683.90	-1,076.94	372,546.25	529,513.16	32.02420812	-104.23810294	10.00	10.00	0.00
Landing Point	9,563.92	90.99	269.80	8,976.10	5,583.10	1,144.30	-1,684.12	-1,140.77	372,546.03	529,449.33	32.02420768	-104.23830891	10.00	10.00	0.00
FTP Cross	9,564.11	90.99	269.80	8,976.10	5,583.10	1,144.49	-1,684.12	-1,140.97	372,546.03	529,449.14	32.02420768	-104.23830953	0.00	0.00	0.00
	9,600.00	90.99	269.80	8,975.48	5,582.48	1,180.38	-1,684.24	-1,176.85	372,545.91	529,413.26	32.02420743	-104.23842530	0.00	0.00	0.00
	9,700.00	90.99	269.80	8,973.75	5,580.75	1,280.36	-1,684.59	-1,276.83	372,545.57	529,313.28	32.02420673	-104.23874790	0.00	0.00	0.00
	9,800.00	90.99	269.80	8,972.03	5,579.03	1,380.35	-1,684.93	-1,376.82	372,545.23	529,213.31	32.02420603	-104.23907049	0.00	0.00	0.00
	9,900.00	90.99	269.80	8,970.30	5,577.30	1,480.33	-1,685.27	-1,476.80	372,544.89	529,113.33	32.02420533	-104.23939308	0.00	0.00	0.00
	10,000.00	90.99	269.80	8,968.58	5,575.58	1,580.32	-1,685.61	-1,576.79	372,544.54	529,013.36	32.02420463	-104.23971567	0.00	0.00	0.00
	10,100.00	90.99	269.80	8,966.85	5,573.85	1,680.30	-1,685.95	-1,676.77	372,544.20	528,913.38	32.02420393	-104.24003826	0.00	0.00	0.00
	10,200.00	90.99	269.80	8,965.12	5,572.12	1,780.29	-1,686.29	-1,776.76	372,543.86	528,813.41	32.02420323	-104.24036086	0.00	0.00	0.00
	10,300.00	90.99	269.80	8,963.40	5,570.40	1,880.27	-1,686.63	-1,876.74	372,543.52	528,713.43	32.02420253	-104.24068345	0.00	0.00	0.00
	10,400.00	90.99	269.80	8,961.67	5,568.67	1,980.26	-1,686.98	-1,976.73	372,543.18	528,613.46	32.02420182	-104.24100604	0.00	0.00	0.00
	10,500.00	90.99	269.80	8,959.95	5,566.95	2,080.24	-1,687.32	-2,076.71	372,542.84	528,513.48	32.02420112	-104.24132863	0.00	0.00	0.00
	10,600.00	90.99	269.80	8,958.22	5,565.22	2,180.23	-1,687.66	-2,176.70	372,542.50	528,413.50	32.02420041	-104.24165122	0.00	0.00	0.00
	10,700.00	90.99	269.80	8,956.49	5,563.49	2,280.21	-1,688.00	-2,276.68	372,542.15	528,313.53	32.02419971	-104.24197382	0.00	0.00	0.00
	10,800.00	90.99	269.80	8,954.77	5,561.77	2,380.20	-1,688.34	-2,376.66	372,541.81	528,213.55	32.02419900	-104.24229641	0.00	0.00	0.00
	10,900.00	90.99	269.80	8,953.04	5,560.04	2,480.18	-1,688.68	-2,476.65	372,541.47	528,113.58	32.02419829	-104.24261900	0.00	0.00	0.00
	11,000.00	90.99	269.80	8,951.32	5,558.32	2,580.17	-1,689.02	-2,576.63	372,541.13	528,013.60	32.02419758	-104.24294159	0.00	0.00	0.00
	11,100.00	90.99	269.80	8,949.59	5,556.59	2,680.15	-1,689.37	-2,676.62	372,540.79	527,913.63	32.02419688	-104.24326418	0.00	0.00	0.00
	11,200.00	90.99	269.80	8,947.86	5,554.86	2,780.14	-1,689.71	-2,776.60	372,540.45	527,813.65	32.02419617	-104.24358677	0.00	0.00	0.00
	11,300.00	90.99	269.80	8,946.14	5,553.14	2,880.12	-1,690.05	-2,876.59	372,540.11	527,713.68	32.02419545	-104.24390937	0.00	0.00	0.00
	11,400.00	90.99	269.80	8,944.41	5,551.41	2,980.11	-1,690.39	-2,976.57	372,539.76	527,613.70	32.02419474	-104.24423196	0.00	0.00	0.00
	11,500.00	90.99	269.80	8,942.69	5,549.69	3,080.09	-1,690.73	-3,076.56	372,539.42	527,513.73	32.02419403	-104.24455455	0.00	0.00	0.00
	11,600.00	90.99	269.80	8,940.96	5,547.96	3,180.08	-1,691.07	-3,176.54	372,539.08	527,413.75	32.02419332	-104.24487714	0.00	0.00	0.00
	11,700.00	90.99	269.80	8,939.23	5,546.23	3,280.06	-1,691.42	-3,276.53	372,538.74	527,313.78	32.02419260	-104.24519973	0.00	0.00	0.00
	11,800.00	90.99	269.80	8,937.51	5,544.51	3,380.05	-1,691.76	-3,376.51	372,538.40	527,213.80	32.02419189	-104.24552233	0.00	0.00	0.00
	11,900.00	90.99	269.80	8,935.78	5,542.78	3,480.03	-1,692.10	-3,476.49	372,538.06	527,113.83	32.02419117	-104.24584492	0.00	0.00	0.00
	12,000.00	90.99	269.80	8,934.06	5,541.06	3,580.02	-1,692.44	-3,576.48	372,537.72	527,013.85	32.02419046	-104.24616751	0.00	0.00	0.00
	12,100.00	90.99	269.80	8,932.33	5,539.33	3,680.00	-1,692.78	-3,676.46	372,537.37	526,913.87	32.02418974	-104.24649010	0.00	0.00	0.00
	12,200.00	90.99	269.80	8,930.60	5,537.60	3,779.99	-1,693.12	-3,776.45	372,537.03	526,813.90	32.02418902	-104.24681269	0.00	0.00	0.00
	12,300.00	90.99	269.80	8,928.88	5,535.88	3,879.97	-1,693.46	-3,876.43	372,536.69	526,713.92	32.02418830	-104.24713529	0.00	0.00	0.00
	12,400.00	90.99	269.80	8,927.15	5,534.15	3,979.96	-1,693.81	-3,976.42	372,536.35	526,613.95	32.02418758	-104.24745788	0.00	0.00	0.00
	12,500.00	90.99	269.80	8,925.43	5,532.43	4,079.94	-1,694.15	-4,076.40	372,536.01	526,513.97	32.02418686	-104.24778047	0.00	0.00	0.00
	12,600.00	90.99	269.80	8,923.70	5,530.70	4,179.93	-1,694.49	-4,176.39	372,535.67	526,414.00	32.02418614	-104.24810306	0.00	0.00	0.00
	12,700.00	90.99	269.80	8,921.97	5,528.97	4,279.91	-1,694.83	-4,276.37	372,535.33	526,314.02	32.02418542	-104.24842565	0.00	0.00	0.00
	12,800.00	90.99	269.80	8,920.25	5,527.25	4,379.90	-1,695.17	-4,376.35	372,534.98	526,214.05	32.02418469	-104.24874824	0.00	0.00	0.00
	12,900.00	90.99	269.80	8,918.52	5,525.52	4,479.88	-1,695.51	-4,476.34	372,534.64	526,114.07	32.02418397	-104.24907084	0.00	0.00	0.00
	13,000.00	90.99	269.80	8,916.80	5,523.80	4,579.87	-1,695.85	-4,576.32	372,534.30	526,014.10	32.02418325	-104.24939343	0.00	0.00	0.00
	13,100.00	90.99	269.80	8,915.07	5,522.07	4,679.85	-1,696.20	-4,676.31	372,533.96	525,914.12	32.02418252	-104.24971602	0.00	0.00	0.00
	13,200.00	90.99	269.80	8,913.34	5,520.34	4,779.84	-1,696.54	-4,776.29	372,533.62	525,814.15	32.02418179	-104.25003861	0.00	0.00	0.00
	13,300.00	90.99	269.80	8,911.62	5,518.62	4,879.82	-1,696.88	-4,876.28	372,533.28	525,714.17	32.02418107	-104.25036120	0.00	0.00	0.00
	13,400.00	90.99	269.80	8,909.89	5,516.89	4,979.81	-1,697.22	-4,976.26	372,532.94	525,614.19	32.02418034	-104.25068380	0.00	0.00	0.00
	13,500.00	90.99	269.80	8,908.17	5,515.17	5,079.79	-1,697.56	-5,076.25	372,532.59	525,514.22	32.02417961	-104.25100639	0.00	0.00	0.00
	13,600.00	90.99	269.80	8,906.44	5,513.44	5,179.78	-1,697.90	-5,176.23	372,532.25	525,414.24	32.02417888	-104.25132898	0.00	0.00	0.00
	13,700.00	90.99	269.80	8,904.71	5,511.71	5,279.76	-1,698.25	-5,276.22	372,531.91	525,314.27	32.02417815	-104.25165157	0.00	0.00	0.00
	13,800.00	90.99	269.80	8,902.99	5,509.99	5,379.75	-1,698.59	-5,376.20	372,531.57	525,214.29	32.02417742	-104.25197416	0.00	0.00	0.00
	13,900.00	90.99	269.80	8,901.26	5,508.26	5,479.73	-1,698.93	-5,476.18	372,531.23	525,114.32	32.02417669	-104.25229675	0.00	0.00	0.00
	14,000.00	90.99	269.80	8,899.54	5,506.54	5,579.72	-1,699.27	-5,576.17	372,530.89	525,014.34	32.02417595	-104.25261935	0.00	0.00	0.00
	14,100.00	90.99	269.80	8,897.81	5,504.81	5,679.70	-1,699.61	-5,676.15	372,530.55	524,914.37	32.02417522	-104.25294194	0.00	0.00	0.00
	14,200.00	90.99	269.80	8,896.08	5,503.08	5,779.69	-1,699.95	-5,776.14	372,530.20	524,814.39	32.02417448	-104.25326453	0.00	0.00	0.00
	14,300.00	90.99	269.80	8,894.36	5,501.36	5,879.67	-1,700.29	-5,876.12	372,529.86	524,714.42	32.02417375	-104.25358712	0.00	0.00	0.00
	14,400.00	90.99	269.80	8,892.63	5,499.63	5,979.66	-1,700.64	-5,976.11	372,529.52	524,614.44	32.02417301	-104.25390971	0.00	0.00	0.00
	14,500.00	90.99	269.80	8,890.91	5,497.91	6,079.64	-1,700.98	-6,076.09	372,529.18	524,514.47	32.02417228	-104.25423231	0.00	0.00	0.00
MP1, Turn 2°/100ft	14,552.48	90.99	269.80	8,890.00	5,497.00	6,132.11	-1,701.16	-6,128.56	372,529.00	524,462.00	32.02417189	-104.25440160	0.00	0.00	0.00
Hold	14,557.43	90.99	269.80	8,889.91	5,496.91	6,137.06	-1,701.17	-6,133.51	372,528.99	524,457.05	32.02417186	-104.25441756	2.00	-0.04	2.00
	14,600.00	90.99	269.80	8,889.18	5,496.18	6,179.63	-1,701.24	-6,176.08	372,528.92	524,414.49	32.02417175	-104.25455490	0.00	0.00	0.00
	14,700.00	90.99	269.80	8,887.46	5,494.46	6,279.61	-1,701.41	-6,276.06	372,528.75	524,314.51	32.02417149	-104.25487749	0.00	0.00	0.00
	14,800.00	90.99	269.80	8,885.74	5,492.74	6,379.60	-1,701.58	-6,376.05	372,528.58	524,214.54	32.02417122	-104.25520008	0.00	0.00	0.00
	14,900.00	90.99	269.80	8,884.01	5,491.01	6,479.58	-1,701.75	-6,476.03	372,528.41	524,114.56	32.02417096	-104.25552268	0.00	0.00	0.00
	15,000.00	90.99	269.80	8,882.29	5,489.29	6,579.57	-1,701.92	-6,576.02	372,528.24	524,014.59	32.02417069	-104.25584527	0.00	0.00	0.00
	15,100.00	90.99	269.80	8,880.57	5,487.57	6,679.55	-1,702.08	-6,676.00	372,528.07	523,914.61	32.02417042	-104.25616786	0.00	0.00	0.00
	15,200.00	90.99	269.80	8,878.85	5,485.85	6,779.54	-1,702.25	-6,775.99	372,527.90	523,814.64	32.02417015	-104.25649046	0.00	0.00	0.00
	15,300.00	90.99	269.80	8,877.12	5,484.12	6,879.52	-1,702.42	-6,875.97	372,527.73	523,714.66	32.02416989	-104.25681305	0.00	0.00	0.00
	15,400.00	90.99	269.80	8,875.40	5,482.40	6,979.51	-1,702.59	-6,975.96	372,527.57	523,614.68	32.02416962	-104.25713564	0.00	0.00	0.00
	15,500.00	90.99	269.80	8,873.68	5,480.68	7,079.49	-1,702.76	-7,075.94	372,527.40	523,514.71	32.02416934	-104.25745823	0.00	0.00	0.00
	15,600.00	90.99	269.80	8,871.96	5,478.96	7,179.48	-1,702.93	-7,175.93	372,527.23	523,414.73	32.02416907	-104.25778083	0.00	0.00	0.00
	15,700.00	90.99	269.80	8,870.23	5,477.23	7,279.46	-1,703.10	-7,275.91	372,527.06	523,314.76	32.02416880	-104.25810342	0.00	0.00	0.00
	15,800.00	90.99	269.80	8,868.51	5,475.51	7,379.45	-1,703.27	-7,375.90	372,526.89	523,214.78	32.02416853	-104.25842601	0.00	0.00	0.00
	15,900.00	90.99	269.80	8,866.79	5,473.79	7,479.43	-1,703.44	-7,475.88	372,526.72	523,114.80	32.02416825	-104.25874861	0.00	0.00	0.00
	16,000.00	90.99	269.80	8,865.07	5,472.07	7,579.42	-1,703.60	-7,575.87	372,526.55	523,014.83	32.02416798	-104.25907120	0.00	0.00	0.00
	16,100.00	90.99	269.80	8,863.34	5,470.34	7,679.40	-1,703.77	-7,675.85	372,526.38	522,914.85	32.02416770	-104.25939379	0.00	0.00	0.00
	16,200.00	90.99	269.80	8,861.62	5,468.62	7,779.39	-1,703.94	-7,775.84	372,526.21	522,814.88	32.02416743	-104.25971639	0.00	0.00	0.00
	16,300.00	90.99	269.80	8,859.90	5,466.90	7,879.37	-1,704.11	-7,875.82	372,526.05	522,714.90	32.02416715	-104.26003898	0.00	0.00	0.00
	16,400.00	90.99	269.80	8,858.18	5,465.18	7,979.36	-1,704.28	-7,975.81	372,525.88	522,614.93	32.02416687	-104.26036157	0.00	0.00	0.00
	16,500.00	90.99	269.80	8,856.45	5,463.45	8,079.34	-1,704.45	-8,075.79	372,525.71	522,514.95	32.02416659	-104.26068416	0.00	0.00	0.00
	16,600.00	90.99	269.80	8,854.73	5,461.73	8,179.33	-1,704.62	-8,175.78	372,525.54	522,414.97	32.02416631	-104.26100676	0.00	0.00	0.00
	16,700.00	90.99	269.80	8,853.01	5,460.01	8,279.31	-1,704.79	-8,275.76	372,525.37	522,315.00	32.02416603	-104.26132935	0.00	0.00	0.00
	16,800.00	90.99	269.80	8,851.29	5,458.29	8,379.30	-1,704.95	-8,375.75	372,525.20	522,215.02	32.02416575	-104.26165194	0.00	0.00	0.00
	16,900.00	90.99	269.80	8,849.56	5,456.56	8,479.28	-1,705.12	-8,475.73	372,525.03	522,115.05	32.02416547	-104.26197454	0.00	0.00	0.00
	17,000.00	90.99	269.80	8,847.84	5,454.84	8,579.27	-1,705.29	-8,575.72	372,524.86	522,015.07	32.02416519	-104.26229713	0.00	0.00	0.00
	17,100.00	90.99	269.80	8,846.12	5,453.12	8,679.25	-1,705.46	-8,675.70	372,524.70	521,915.09	32.02416490	-104.26261972	0.00	0.00	0.00
	17,200.00	90.99	269.80	8,844.39	5,451.39	8,779.24	-1,705.63	-8,775.69	372,524.53	521,815.12	32.02416462	-104.26294232	0.00	0.00	0.00
	17,300.00	90.99	269.80	8,842.67	5,449.67	8,879.23	-1,705.80	-8,875.67	372,524.36	521,715.14	32.02416433	-104.26326491	0.00	0.00	0.00
	17,400.00	90.99	269.80	8,840.95	5,447.95	8,979.21	-1,705.97	-8,975.66	372,524.19	521,615.17	32.02416405	-104.26358750	0.00	0.00	0.00
	17,500.00	90.99	269.80	8,839.23	5,446.23	9,079.20	-1,706.14	-9,075.64	372,524.02	521,515.19	32.02416376	-104.26391009	0.00	0.00	0.00
	17,600.00	90.99	269.80	8,837.50	5,444.50	9,179.18	-1,706.31	-9,175.63	372,523.85	521,415.22	32.02416347	-104.26423269	0.00	0.00	0.00
	17,700.00	90.99	269.80	8,835.78	5,442.78	9,279.17	-1,706.47	-9,275.61	372,523.68	521,315.24	32.02416318	-104.26455528	0.00	0.00	0.00
	17,800.00	90.99	269.80	8,834.06	5,441.06	9,379.15	-1,706.64	-9,375.60	372,523.51	521,215.26	32.02416289	-104.26487787	0.00	0.00	0.00
	17,900.00	90.99	269.80	8,832.34	5,439.34	9,479.14	-1,706.81	-9,475.58	372,523.35	521,115.29	32.02416260	-104.26520047	0.00	0.00	0.00
	18,000.00	90.99	269.80	8,830.61	5,437.61	9,579.12	-1,706.98	-9,575.57	372,523.18	521,015.31	32.02416231	-104.26552306	0.00	0.00	0.00
	18,100.00	90.99	269.80	8,828.89	5,435.89	9,679.11	-1,707.15	-9,675.55	372,523.01	520,915.34	32.02416202	-104.26584565	0.00	0.00	0.00
	18,200.00	90.99	269.80	8,827.17	5,434.17	9,779.09	-1,707.32	-9,775.54	372,522.84	520,815.36	32.02416173	-104.26616825	0.00	0.00	0.00
	18,300.00	90.99	269.80	8,825.45	5,432.45	9,879.08	-1,707.49	-9,875.52	372,522.67	520,715.38	32.02416143	-104.26649084	0.00	0.00	0.00
	18,400.00	90.99	269.80	8,823.72	5,430.72	9,979.06	-1,707.66	-9,975.51	372,522.50	520,615.41	32.02416114	-104.26681343	0.00	0.00	0.00
	18,500.00	90.99	269.80	8,822.00	5,429.00	10,079.05	-1,707.82	-10,075.49	372,522.33	520,515.43	32.02416084	-104.26713602	0.00	0.00	0.00
	18,600.00	90.99	269.80	8,820.28	5,427.28	10,179.03	-1,707.99	-10,175.48	372,522.16	520,415.46	32.02416055	-104.26745862	0.00	0.00	0.00
	18,700.00	90.99	269.80	8,818.56	5,425.56	10,279.02	-1,708.16	-10,275.46	372,521.99	520,315.48	32.02416025	-104.26778121	0.00	0.00	0.00
	18,800.00	90.99	269.80	8,816.83	5,423.83	10,379.00	-1,708.33	-10,375.45	372,521.83	520,215.51	32.02415995	-104.26810380	0.00	0.00	0.00
	18,900.00	90.99	269.80	8,815.11	5,422.11	10,478.99	-1,708.50	-10,475.43	372,521.66	520,115.53	32.02415966	-104.26842640	0.00	0.00	0.00
	19,000.00	90.99	269.80	8,813.39	5,420.39	10,578.97	-1,708.67	-10,575.42	372,521.49	520,015.55	32.02415936	-104.26874899	0.00	0.00	0.00
	19,100.00	90.99	269.80	8,811.67	5,418.67	10,678.96	-1,708.84	-10,675.40	372,521.32	519,915.58	32.02415906	-104.26907158	0.00	0.00	0.00
	19,200.00	90.99	269.80	8,809.94	5,416.94	10,778.94	-1,709.01	-10,775.39	372,521.15	519,815.60	32.02415875	-104.26939417	0.00	0.00	0.00
	19,300.00	90.99	269.80	8,808.22	5,415.22	10,878.93	-1,709.17	-10,875.37	372,520.98	519,715.63	32.02415845	-104.26971677	0.00	0.00	0.00
	19,400.00	90.99	269.80	8,806.50	5,413.50	10,978.91	-1,709.34	-10,975.36	372,520.81	519,615.65	32.02415815	-104.27003936	0.00	0.00	0.00
	19,500.00	90.99	269.80	8,804.78	5,411.78	11,078.90	-1,709.51	-11,075.34	372,520.64	519,515.67	32.02415785	-104.27036195	0.00	0.00	0.00
	19,600.00	90.99	269.80	8,803.05	5,410.05	11,178.88	-1,709.68	-11,175.33	372,520.48	519,415.70	32.02415754	-104.27068455	0.00	0.00	0.00
	19,700.00	90.99	269.80	8,801.33	5,408.33	11,278.87	-1,709.85	-11,275.31	372,520.31	519,315.72	32.02415724	-104.27100714	0.00	0.00	0.00
	19,800.00	90.99	269.80	8,799.61	5,406.61	11,378.85	-1,710.02	-11,375.30	372,520.14	519,215.75	32.02415693	-104.27132973	0.00	0.00	0.00
MP2, Turn 2°/100ft	19,881.77	90.99	269.80	8,798.20	5,405.20	11,460.61	-1,710.16	-11,457.05	372,520.00	519,134.00	32.02415668	-104.27159351	0.00	0.00	0.00
Hold	19,882.28	90.99	269.91	8,798.19	5,405.19	11,461.12	-1,710.16	-11,457.56	372,520.00	519,133.49	32.02415668	-104.27159516	2.00	-0.24	1.99
	19,900.00	90.99	269.91	8,797.89	5,404.89	11,478.84	-1,710.18	-11,475.28	372,519.97	519,115.77	32.02415663	-104.27165233	0.00	0.00	0.00
	20,000.00	90.99	269.91	8,796.17	5,403.17	11,578.82	-1,710.34	-11,575.27	372,519.82	519,015.80	32.02415637	-104.27197492	0.00	0.00	0.00
	20,100.00	90.99	269.91	8,794.45	5,401.45	11,678.81	-1,710.49	-11,675.25	372,519.67	518,915.82	32.02415612	-104.27229751	0.00	0.00	0.00
	20,200.00	90.99	269.91	8,792.72	5,399.72	11,778.79	-1,710.64	-11,775.24	372,519.52	518,815.84	32.02415585	-104.27262011	0.00	0.00	0.00
	20,300.00	90.99	269.91	8,791.00	5,398.00	11,878.78	-1,710.79	-11,875.22	372,519.37	518,715.87	32.02415559	-104.27294270	0.00	0.00	0.00
	20,400.00	90.99	269.91	8,789.28	5,396.28	11,978.77	-1,710.94	-11,975.21	372,519.22	518,615.89	32.02415533	-104.27326529	0.00	0.00	0.00
	20,500.00	90.99	269.91	8,787.56	5,394.56	12,078.75	-1,711.09	-12,075.19	372,519.07	518,515.92	32.02415507	-104.27358788	0.00	0.00	0.00
	20,600.00	90.99	269.91	8,785.84	5,392.84	12,178.74	-1,711.24	-12,175.18	372,518.92	518,415.94	32.02415481	-104.27391048	0.00	0.00	0.00
	20,700.00	90.99	269.91	8,784.12	5,391.12	12,278.72	-1,711.39	-12,275.16	372,518.76	518,315.96	32.02415454	-104.27423307	0.00	0.00	0.00
	20,800.00	90.99	269.91	8,782.40	5,389.40	12,378.71	-1,711.54	-12,375.15	372,518.61	518,215.99	32.02415428	-104.27455566	0.00	0.00	0.00
	20,900.00	90.99	269.91	8,780.68	5,387.68	12,478.69	-1,711.70	-12,475.13	372,518.46	518,116.01	32.02415401	-104.27487826	0.00	0.00	0.00
	21,000.00	90.99	269.91	8,778.96	5,385.96	12,578.68	-1,711.85	-12,575.12	372,518.31	518,016.04	32.02415374	-104.27520085	0.00	0.00	0.00
	21,100.00	90.99	269.91	8,777.24	5,384.24	12,678.66	-1,712.00	-12,675.10	372,518.16	517,916.06	32.02415347	-104.27552344	0.00	0.00	0.00
	21,200.00	90.99	269.91	8,775.52	5,382.52	12,778.65	-1,712.15	-12,775.09	372,518.01	517,816.08	32.02415321	-104.27584604	0.00	0.00	0.00

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)
	21,300.00	90.99	269.91	8,773.80	5,380.80	12,878.63	-1,712.30	-12,875.07	372,517.86	517,716.11	32.02415294	-104.27616863	0.00	0.00	0.00
	21,400.00	90.99	269.91	8,772.08	5,379.08	12,978.62	-1,712.45	-12,975.06	372,517.71	517,616.13	32.02415267	-104.27649122	0.00	0.00	0.00
	21,500.00	90.99	269.91	8,770.36	5,377.36	13,078.60	-1,712.60	-13,075.04	372,517.56	517,516.16	32.02415240	-104.27681382	0.00	0.00	0.00
	21,600.00	90.99	269.91	8,768.64	5,375.64	13,178.59	-1,712.75	-13,175.03	372,517.40	517,416.18	32.02415212	-104.27713641	0.00	0.00	0.00
	21,700.00	90.99	269.91	8,766.92	5,373.92	13,278.57	-1,712.90	-13,275.01	372,517.25	517,316.20	32.02415185	-104.27745900	0.00	0.00	0.00
	21,800.00	90.99	269.91	8,765.20	5,372.20	13,378.56	-1,713.05	-13,375.00	372,517.10	517,216.23	32.02415158	-104.27778160	0.00	0.00	0.00
	21,900.00	90.99	269.91	8,763.48	5,370.48	13,478.54	-1,713.21	-13,474.98	372,516.95	517,116.25	32.02415130	-104.27810419	0.00	0.00	0.00
	22,000.00	90.99	269.91	8,761.76	5,368.76	13,578.53	-1,713.36	-13,574.97	372,516.80	517,016.28	32.02415103	-104.27842678	0.00	0.00	0.00
	22,100.00	90.99	269.91	8,760.04	5,367.04	13,678.51	-1,713.51	-13,674.95	372,516.65	516,916.30	32.02415075	-104.27874937	0.00	0.00	0.00
	22,200.00	90.99	269.91	8,758.32	5,365.32	13,778.50	-1,713.66	-13,774.94	372,516.50	516,816.33	32.02415047	-104.27907197	0.00	0.00	0.00
	22,300.00	90.99	269.91	8,756.60	5,363.60	13,878.48	-1,713.81	-13,874.92	372,516.35	516,716.35	32.02415020	-104.27939456	0.00	0.00	0.00
	22,400.00	90.99	269.91	8,754.87	5,361.87	13,978.47	-1,713.96	-13,974.91	372,516.20	516,616.37	32.02414992	-104.27971715	0.00	0.00	0.00
	22,500.00	90.99	269.91	8,753.15	5,360.15	14,078.45	-1,714.11	-14,074.89	372,516.05	516,516.40	32.02414964	-104.28003975	0.00	0.00	0.00
	22,600.00	90.99	269.91	8,751.43	5,358.43	14,178.44	-1,714.26	-14,174.88	372,515.89	516,416.42	32.02414936	-104.28036234	0.00	0.00	0.00
	22,700.00	90.99	269.91	8,749.71	5,356.71	14,278.42	-1,714.41	-14,274.87	372,515.74	516,316.45	32.02414908	-104.28068493	0.00	0.00	0.00
	22,800.00	90.99	269.91	8,747.99	5,354.99	14,378.41	-1,714.57	-14,374.85	372,515.59	516,216.47	32.02414880	-104.28100753	0.00	0.00	0.00
	22,900.00	90.99	269.91	8,746.27	5,353.27	14,478.39	-1,714.72	-14,474.84	372,515.44	516,116.49	32.02414851	-104.28133012	0.00	0.00	0.00
	23,000.00	90.99	269.91	8,744.55	5,351.55	14,578.38	-1,714.87	-14,574.82	372,515.29	516,016.52	32.02414823	-104.28165271	0.00	0.00	0.00
	23,100.00	90.99	269.91	8,742.83	5,349.83	14,678.37	-1,715.02	-14,674.81	372,515.14	515,916.54	32.02414795	-104.28197531	0.00	0.00	0.00
	23,200.00	90.99	269.91	8,741.11	5,348.11	14,778.35	-1,715.17	-14,774.79	372,514.99	515,816.57	32.02414766	-104.28229790	0.00	0.00	0.00
	23,300.00	90.99	269.91	8,739.39	5,346.39	14,878.34	-1,715.32	-14,874.78	372,514.84	515,716.59	32.02414738	-104.28262049	0.00	0.00	0.00
	23,400.00	90.99	269.91	8,737.67	5,344.67	14,978.32	-1,715.47	-14,974.76	372,514.69	515,616.61	32.02414709	-104.28294309	0.00	0.00	0.00
	23,500.00	90.99	269.91	8,735.95	5,342.95	15,078.31	-1,715.62	-15,074.75	372,514.53	515,516.64	32.02414680	-104.28326568	0.00	0.00	0.00
	23,600.00	90.99	269.91	8,734.23	5,341.23	15,178.29	-1,715.77	-15,174.73	372,514.38	515,416.66	32.02414651	-104.28358827	0.00	0.00	0.00
	23,700.00	90.99	269.91	8,732.51	5,339.51	15,278.28	-1,715.93	-15,274.72	372,514.23	515,316.69	32.02414622	-104.28391086	0.00	0.00	0.00
	23,800.00	90.99	269.91	8,730.79	5,337.79	15,378.26	-1,716.08	-15,374.70	372,514.08	515,216.71	32.02414593	-104.28423346	0.00	0.00	0.00
	23,900.00	90.99	269.91	8,729.07	5,336.07	15,478.25	-1,716.23	-15,474.69	372,513.93	515,116.74	32.02414564	-104.28455605	0.00	0.00	0.00
	24,000.00	90.99	269.91	8,727.35	5,334.35	15,578.23	-1,716.38	-15,574.67	372,513.78	515,016.76	32.02414535	-104.28487864	0.00	0.00	0.00
	24,100.00	90.99	269.91	8,725.63	5,332.63	15,678.22	-1,716.53	-15,674.66	372,513.63	514,916.78	32.02414506	-104.28520124	0.00	0.00	0.00
	24,200.00	90.99	269.91	8,723.91	5,330.91	15,778.20	-1,716.68	-15,774.64	372,513.48	514,816.81	32.02414477	-104.28552383	0.00	0.00	0.00
	24,300.00	90.99	269.91	8,722.19	5,329.19	15,878.19	-1,716.83	-15,874.63	372,513.33	514,716.83	32.02414447	-104.28584642	0.00	0.00	0.00
	24,400.00	90.99	269.91	8,720.47	5,327.47	15,978.17	-1,716.98	-15,974.61	372,513.18	514,616.86	32.02414418	-104.28616902	0.00	0.00	0.00
	24,500.00	90.99	269.91	8,718.75	5,325.75	16,078.16	-1,717.13	-16,074.60	372,513.02	514,516.88	32.02414388	-104.28649161	0.00	0.00	0.00
	24,600.00	90.99	269.91	8,717.02	5,324.02	16,178.14	-1,717.28	-16,174.58	372,512.87	514,416.90	32.02414358	-104.28681420	0.00	0.00	0.00
	24,700.00	90.99	269.91	8,715.30	5,322.30	16,278.13	-1,717.44	-16,274.57	372,512.72	514,316.93	32.02414329	-104.28713680	0.00	0.00	0.00
	24,800.00	90.99	269.91	8,713.58	5,320.58	16,378.11	-1,717.59	-16,374.55	372,512.57	514,216.95	32.02414299	-104.28745939	0.00	0.00	0.00
LTP Cross	24,873.01	90.99	269.91	8,712.33	5,319.33	16,451.11	-1,717.70	-16,447.55	372,512.46	514,143.96	32.02414277	-104.28769491	0.00	0.00	0.00
	24,900.00	90.99	269.91	8,711.86	5,318.86	16,478.10	-1,717.74	-16,474.54	372,512.42	514,116.98	32.02414269	-104.28778198	0.00	0.00	0.00
	25,000.00	90.99	269.91	8,710.14	5,317.14	16,578.08	-1,717.89	-16,574.52	372,512.27	514,017.00	32.02414239	-104.28810457	0.00	0.00	0.00
	25,100.00	90.99	269.91	8,708.42	5,315.42	16,678.07	-1,718.04	-16,674.51	372,512.12	513,917.02	32.02414209	-104.28842717	0.00	0.00	0.00
JS 24 22 Fed Com No. 411H BH	25,178.04	90.99	269.91	8,707.08	5,314.08	16,756.10	-1,718.16	-16,752.54	372,512.00	513,839.00	32.02414185	-104.28867893	0.00	0.00	0.00

Survey Type: Def Plan

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

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Expected Max Inclination (deg)	Survey Tool Type	Borehole / Survey
	1	0.000	25,178.040	1/100.000	17.500			B001Mb_MWD+HRGM	JS 24 22 Fed Com No. 411H / JS 24 22 Fed Com No. 411H R0 mdv 07Feb23

ONSHORE ORDER NO. 1
Chevron
JS 24 22 Fed Com 411H
Eddy County, NM

CONFIDENTIAL -- TIGHT HOLE
DRILLING PLAN
PAGE: 1

Jumping Spring Pad 2

The table below lists all the wells for the given pad and their respective name and TVD's (ft) for their production target intervals:

Well Name(s)	Target TVD	Formation Desc.
JS 24 22 Fed Com 407H	9,002	WCA_TGT2
JS 24 22 Fed Com 408H	8,669	WCA_TGT5
JS 24 22 Fed Com 409H	8,989	WCA_TGT2
JS 24 22 Fed Com 410H	8,828	WCA_TGT5
JS 24 22 Fed Com 411H	8,976	WCA_TGT2
JS 24 22 Fed Com 412H	8,823	WCA_TGT5

1. **GEOLOICAL TOPS**

Elevation: As seen in C-102

The estimated tops of important geologic markers are as follows:

FORMATION	LITHOLOGIES	TVD	MD	Producing Formation?
Salado (SLDO)	Anhydrite/Salt	28	28	No
Castile (CSTL)	Anhydrite/Salt	480	480	No
Lamar (LMAR)	Limestone/Shale	2,023	2,045	No
Bell Canyon (BLCN)	Sandstone/Limestone	2,053	2,076	No
Cherry Canyon (CRCN)	Sandstone/Siltstone	2,925	2,993	No
Brushy Canyon (BCN)	Sandstone/Limestone	4,007	4,131	No
Bone Spring Lime (BSGL)	Shale/Siltstone	5,655	5,864	No
Avalon Upper (AVU)	Shale	5,769	5,984	No
Avalon Lower (AVL)	Shale	6,138	6,367	No
First Bone Spring (FBS)	Sandstone/Shale	6,576	6,817	No
First Bone Spring Shale (FBS_SH)	Shale	6,747	6,991	No
Second Bone Spring Upper (SBU)	Sandstone/Shale	7,079	7,327	No
Second Bone Spring Lower (SBL)	Sandstone/Shale	7,542	7,792	No
Third Bone Spring 1st Carbonate (TB1(	Sandstone/Shale	8,129	8,380	No
Third Bone Spring	Sandstone/Shale	8,348	8,599	No
Wolfcamp A	Sandstone/Shale	8,703	8,969	Yes: Oil & Natural Gas

WELLBORE LOCATIONS	MD	TVD
SHL	-	-
KOP	8,654	8,403
FTP	9,564	8,976
LTP	24,873	8,712
BHL	25,178	8,707

2. **BOP EQUIPMENT AND TESTING**

Rating Depth 8,976 TVD

Equipment

Chevron will have a minimum of a 5,000 psi rig stack for drill out below surface casing

Request Variance: Yes
Variance Request(s)
Chevron respectfully request to vary from the Onshore Order 2 where it states: "(A full BOP Test) shall be performed: when initially installed and whenever any seal subject to test pressure is broken." We propose to break test if able to finish the next hole section within 21 days of the previous full BOP test. No BOP components nor any break will ever surpass 21 days between testing. A break test will consist of a 250 psi low / ≥ 5,000 psi high for 10 min each test against the connection that was broken when skidding the rig. Upon the first nipple up of the pad a full BOP test will be performed. A full BOP test will be completed prior to drilling the production lateral sections unless the BOP connection was not broken prior to drilling that hole section (example: drilling straight from production into production liner hole section). A break test will only be performed on operations where BLM documentation states a 5M or less BOP can be utilized.

Chevron respectfully requests a variance to use a FMC Technologies UH-S Multibowl wellhead, which will be run through the rig floor on surface casing. BOPE will be nipple up and tested after cementing surface casing. Subsequent tests will be performed as needed, not to exceed 30 days. The field report from FMC Technologies and BOP test information will be provided in a subsequent report at the end of the well. Please see the attached wellhead schematic. An installation manual has been placed on file with the BLM office and remains unchanged from previous submittal. All tests performed by third party.

Testing Procedure
The stack will be tested as specified in the attached testing requirements. Batch drilling of the surface, production, and production liner will take place. A full BOP test will be performed per hole section, unless approval from BLM is received otherwise (see variance request). Flex choke hose will be used for all wells on the pad (see attached specs and variance). BOP test pressures and other documented tests may be recorded and documented via utilization of the IPT 'Suretec' Digital BOP Test Method in lieu of the standard test chart. In the event the IPT system is unavailable, the standard test chart will be used.

3. **CASING PROGRAM**

a. The proposed PRIMARY casing program will be as follows:

Purpose	Top (MD)	Top (TVD)	Bot (MD)	Bot (TVD)	Hole Size	Csg Size	Weight	Grade	Thread
Surface	0'	0'	300'	300'	17.5" / 16"	13.375"	54.5 #	J-55	BTC/STC
Intermediate	0'	0'	2,025'	2,003'	12.25"	9.625"	40.0 #	L-80	BTC/LTC
Production	0'	0'	8,654'	8,403'	8.75"	7"	29.0 #	P-110	BLUE-SD
Production Liner†	8,454'	8,203'	9,104'	8,707'	6.125"	5"	18.0 #	P-110	W513
Production Liner	9,104'	8,803'	25,178'	8,803'	6.125"	4.5"	11.6 #	P-110	W521

† 5" casing from TOL to 45 deg (max OD at connection = 5.00")

b. **All casing strings will be new pipe.**
c. **Casing design depths subject to revision based on directional drilling and geologic conditions encountered.**
d. **Chevon will keep casing fluid filled at all times and while RIH. Chevron will check casing at a minimum of every 20 jts (~840'), and never to surpass ⅓ of casing, while running intermediate and production casing in order to maintain collapse SF.**

Casing String	Min SF Collapse	Min SF Burst	Min SF Axial (Joint)	Min SF Axial (Body)
Surface	8.14	4.54	55.60	52.17
Intermediate	3.39	2.50	11.82	11.43
Production	2.05	3.19	3.81	3.81
Production Liner	1.38	3.04	2.33	3.66

4. **CEMENTING PROGRAM**

Slurry	Type	Top	Bottom	*Quantity*	Yield	Density	%Excess	Volume	Additives
Surface Casing 13-3/8"				(sks)	(cuft/sk)	(ppg)		(cuft)	
Tail	Class C	0'	300'	194	1.34	14.8	25	261	Extender, Antifoam, Retarder, Viscosifier
Intermediate Casing 9-5/8"									
Planned single stage cement job									
Lead	Class C	0'	1,025'	183	2.29	11.5	25	420	Extender, Antifoam, Retarder, Viscosifier
Tail	Class C	1,025'	2,025'	263	1.63	13.6	25	429	Extender, Antifoam, Retarder, Viscosifier
Contingency: Top Job									
1st Tail	Class C	0'	1,025'	297	1.35	14.8	25	401	Extender, Antifoam, Retarder, Viscosifier
Production Casing 7"									
Planned single stage cement job									
Lead	Class C	0'	7,654'	522	2.64	11.5	25	1379	Extender, Antifoam, Retarder, Viscosifier
Tail	Class C	7,654'	8,654'	134	1.4	14.5	25	188	Extender, Antifoam, Retarder, Viscosifier
Contingency: Top Job									
1st Tail	Class C	0'	5,654'	787	1.35	14.8	25	1063	Extender, Antifoam, Retarder, Viscosifier
Production Liner 5" x 4-1/2"									
Lead	Class H	8,454'	25,178'	1165	1.69	13.2	25	1969	Extender, Antifoam, Retarder, Viscosifier

Surface casing shall have at least one centralizer installed on each of the bottom three joints starting with the shoe joint.

5. **MUD PROGRAM**

Top	Bottom	Type	Min MW	Max MW at TD	Additional Charactistics
0'	300'	Spud Mud	8.3	8.9	Fresh water
300'	2,025'	Brine	8.9	10.0	Saturated brine would be used through salt sections.
2,025'	8,654'	WBM/Brine	8.7	9.5	
8,654'	25,178'	OBM	9.5	12.0	Due to wellbore instability in the lateral, may exceed the MW window needed to maintain overburden stresses

A weighting agent and lost circulating material (LCM) will be onsite to mitigate pressure or lost circulation as hole conditions dictate.

If an open reserve pit is not approved by OCD, a closed system will be used consisting of above ground steel tanks and all wastes accumulated during drilling operations will be contained in a portable trash cage and removed from location and deposited in an approved sanitary landfill. If an open reserve pit is in place, pit construction, operation, and closure will follow all applicable rules and regulation. Sanitary wastes will be contained in a chemical porta-toilet and then hauled to an approved sanitary landfill.

All fluids and cuttings will be disposed of in accordance with New Mexico Oil Conservation Division rules and regulations. And transportating of E&P waste will follow EPA regulations and accompanying manifests.

A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, filtration, and pH.

Visual mud monitoring equipment shall be in place to detect volume changes indicating loss or gain of circulating fluid volume. When abnormal pressures are anticipated -- a pit volume totalizer (PVT), stroke counter, and flow sensor will be used to detect volume changes indicating loss or gain of circulating fluid volume.

6. **TESTING, LOGGING, AND CORING**

a. **Production tests are not planned.**
b. Logs run include: **Gamma Ray Log, Directional Survey**
c. **Coring Operations are not planned.**

7. **ABNORMAL PRESSURES AND HYDROGEN SULFIDE**

Anticipated BHP	**5,601**	psi
Anticipated BHT	**154**	°F
Anticipated abnormal pressures?	**Yes**	
Describe abnormal pressures	Pressure ramp begins in the bottom of the Third Bone Spring formation	
Contingency plan(s) description:	- Casing design accounts for pressure ramp - Mud weighting agents available on location to increase drilling fluid density - BOP, choke, and well control drills - BOP functioned and pressure tested	

Hydrogen sulfide gas is not anticipated: However the H2S Contingency plan is attached with this APD in the event that H2S is encountered

8. **OTHER ITEMS**

a. **Batch drilling** will be employed whereby the drilling rig may drill a specific hole section on all wells prior to moving to the next hole section.
b. **Shallow rig** may be utilized to drill surface or intermediate sections. The production section will not be drilled by the shallow rig.
c. **Wait on cement** duration for surface and intermediate string(s) will be based on time for tail slurry to develop 500 psi compressive strength and will follow rules as laid out in Onshore Order 2
d. **For longer laterals, Chevron may elect to "float" the production liner while RIH to reduce drag and maximize the probability of success of getting the liner to TD. The collapse SF will meet or exceed BLM's requirement.**

Chevron U.S.A. Inc. (CUSA)
SUNDRY ATTACHMENT: SPUDDER RIG

DATA OPERATOR NAME: Chevron U.S.A. Inc.

1. SUMMARY OF REQUEST:

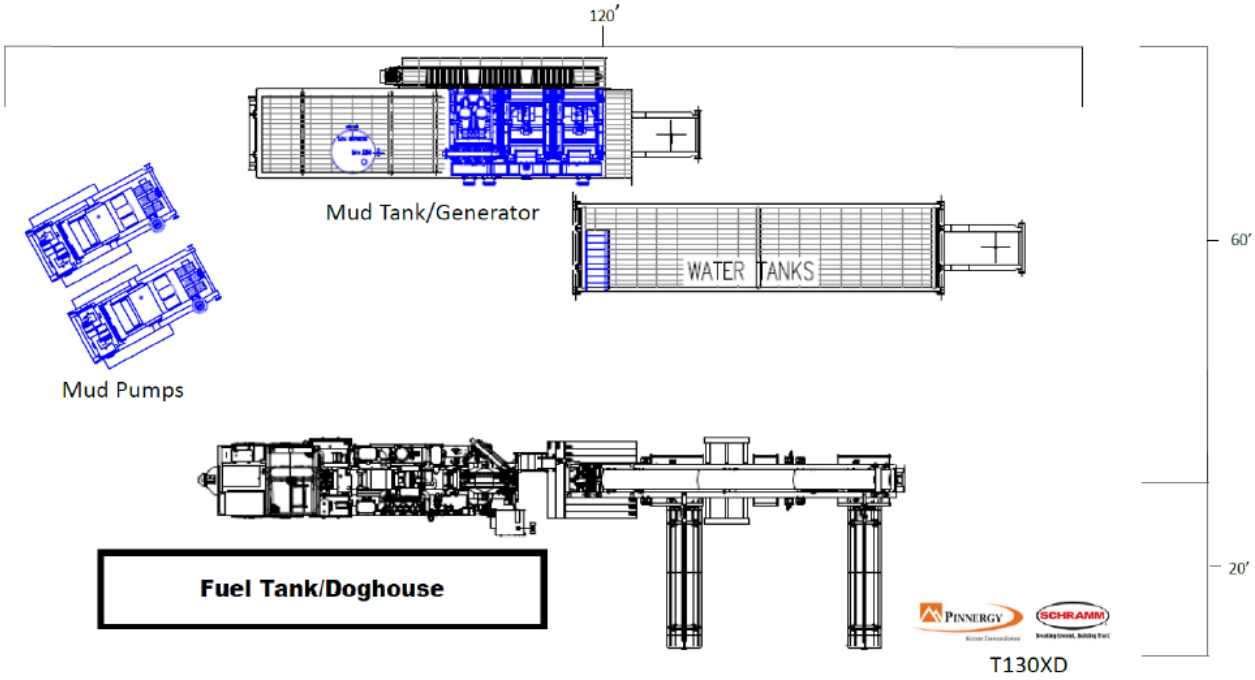
CUSA respectfully requests approval for the following operations for the surface hole in the drill plan:

1. Utilize a spudder rig to pre-set surface casing for time and cost savings.

2. Description of Operations

1. Spudder rig will move in to drill the surface hole and pre-set surface casing on the well.
    a. After drilling the surface hole section, the spudder rig will run casing and cement following all the applicable rules and regulations (OnShore Order 2, all COAs and NMOCD regulations).
    b. The spudder rig will utilize fresh water-based mud to drill the surface hole to TD. Solids control will be handled entirely on a closed loop basis. No earth pits will be used.
2. The wellhead will be installed and then tested offline after the WOC time has been reached.
3. An abandonment cap at the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with needle valves installed on one wing-valve.
    a. A means for intervention will be maintained while the drilling rig is not over the well.
4. Spudder rig operations are expected to take 2-3 days per well on the pad.
5. The BLM will be contacted and notified 24 hours prior to commencing spudder rig operations.
6. Drilling operations will begin with a larger rig and a BOP stack equal to or greater than the pressure rating that was permitted will be nippled up and tested on the wellhead before drilling operations resume on each well.
    a. The larger rig will move back onto the location within 90 days from the point at which the wells are secured and the spudder rig is moved off location.
    b. The BLM will be contacted / notified 24 hours before the larger rig moves back on the pre-set locations.
7. CUSA will have supervision on the rig to ensure compliance with all BLM and NMOCD regulations and to oversee operations.
8. Once the rig is removed, CUSA will secure the wellhead area by placing a guard rail around the cellar area.

Surface Rig Layout



State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description
Effective May 25, 2021

I. Operator: Chevron USA **OGRID:** 4323 **Date:** 03 / 14 / 23

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

If Other, please describe: _____

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

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
JS 24 22 FED 407H	*Pending*	UL: E, Sec 19, T26S-R27E	2187'FNL, 825' FWL	900 BBL/D	4300 MCF/D	4600 BBL/D
JS 24 22 FED 408H	*Pending*	UL: E, Sec 19, T26S-R27E	2207'FNL, 825' FWL	900 BBL/D	4300 MCF/D	4600 BBL/D
JS 24 22 FED 409H	*Pending*	UL: E, Sec 19, T26S-R27E	2227'FNL, 825' FWL	900 BBL/D	4300 MCF/D	4600 BBL/D
JS 24 22 FED 410H	*Pending*	UL: E, Sec 19, T26S-R27E	2247'FNL, 825' FWL	900 BBL/D	4300 MCF/D	4600 BBL/D
JS 24 22 FED 411H	*Pending*	UL: E, Sec 19, T26S-R27E	2267'FNL, 825' FWL	900 BBL/D	4300 MCF/D	4600 BBL/D
JS 24 22 FED 412H	*Pending*	UL: E, Sec 19, T26S-R27E	2287'FNL, 825' FWL	900 BBL/D	4300 MCF/D	4600 BBL/D

IV. Central Delivery Point Name: Jumping Spring CTB 25 [See 19.15.27.9(D)(1) NMAC]

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

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
JS 24 22 FED 407H	*Pending*	August 2025	N/A	N/A	N/A	N/A
JS 24 22 FED 408H	*Pending*	August 2025	N/A	N/A	N/A	N/A
JS 24 22 FED 409H	*Pending*	August 2025	N/A	N/A	N/A	N/A
JS 24 22 FED 410H	*Pending*	August 2025	N/A	N/A	N/A	N/A
JS 24 22 FED 411H	*Pending*	August 2025	N/A	N/A	N/A	N/A

JS 24 22 FED 412H	*Pending*	August 2025	N/A	N/A	N/A	N/A

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

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

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

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

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

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

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

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

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

Section 3 - Certifications

Effective May 25, 2021

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

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

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

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

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

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

Section 4 - Notices

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

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

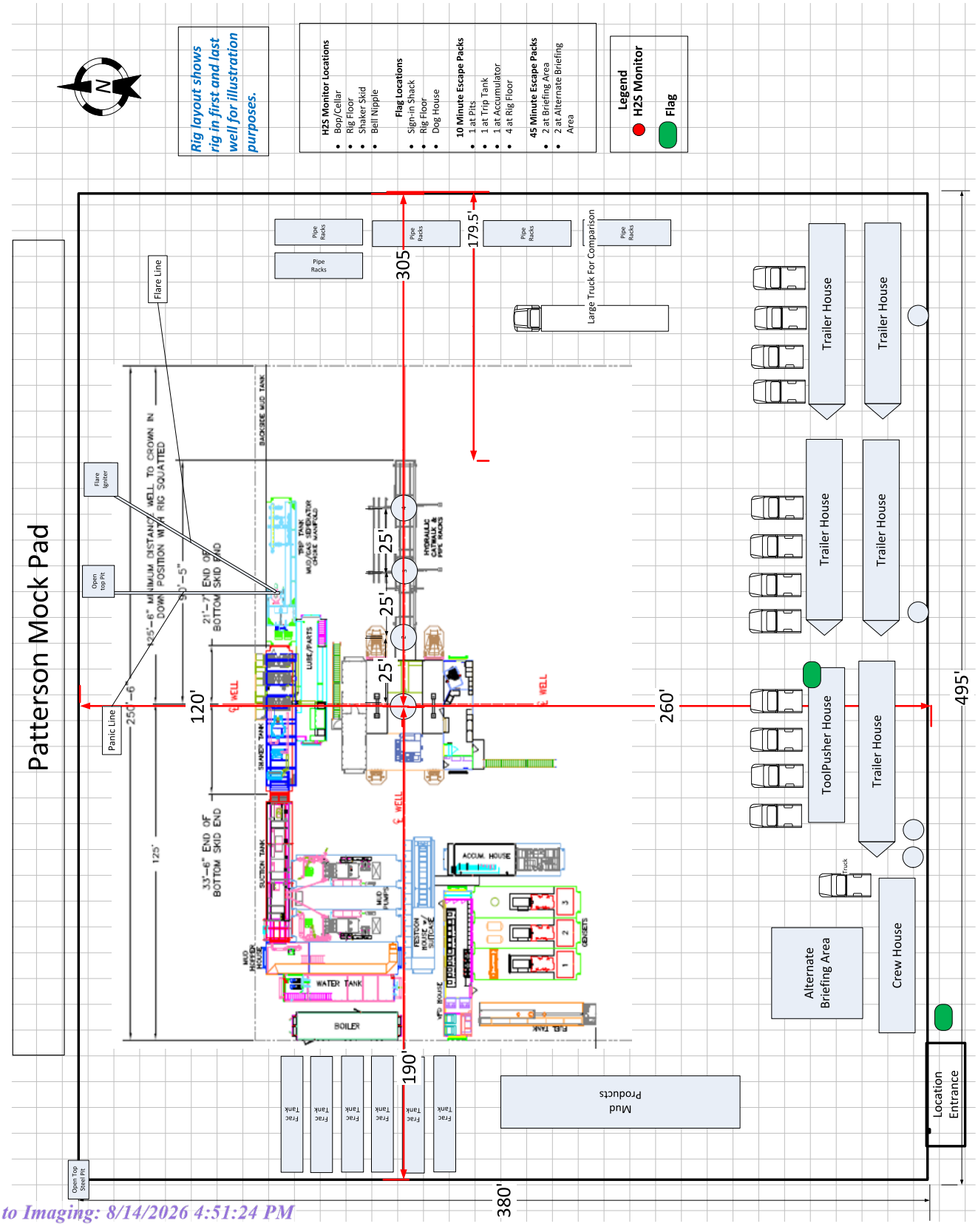
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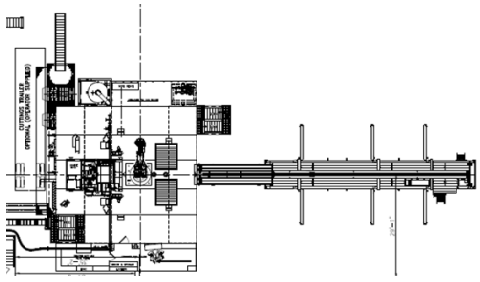
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I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under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

Signature: Carol Adler
Printed Name: Carol Adler
Title: Sr. HSE Regulatory Affairs Coordinator
E-mail Address: caroladler@chevron.com
Date: 05/04/2023
Phone: (432) 687-7148

OIL CONSERVATION DIVISION **(Only applicable when submitted as a standalone form)**
Approved By:
Title:
Approval Date:
Conditions of Approval:


Rig layout shows rig in first and last well for illustration purposes.
H2S Monitor Locations
Bop/Cellar
Rig Floor
Shaker Skid
Bell Nipple
Flag Locations
Sign-in Shack
Rig Floor
Dog House
10 Minute Escape Packs
1 at Pits
1 at Trip Tank
1 at Accumulator
4 at Rig Floor
45 Minute Escape Packs
2 at Briefing Area
2 at Alternate Briefing Area
Legend
H2S Monitor
Flag
Patterson Mock Pad
N
Flare Line
Panic Line
Open top Pit
Flare Igniter
Open Top Steel Pit
Pipe Racks
Large Truck For Comparison
Trailer House
ToolPusher House
Alternate Briefing Area
Crew House
Location Entrance
Mud Products
Frac Tank
WATER TANK
BOILER
ACCUM. HOUSE
305'
179.5'
120'
260'
495'
380'
190'
25'
125'



Waste Minimization Plan

1. NMOCD Gas Management Plan
2. Operational & Best Management Practices
3. Production Curves, *Enverus Prism*

Chevron U.S.A. Inc.

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description
Effective May 25, 2021

I. Operator: Chevron USA **OGRID:** 4323 **Date:** 03 / 14 / 23

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

If Other, please describe: _____

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

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
JS 24 22 FED 407H	*Pending*	UL: E, Sec 19, T26S-R27E	2187'FNL, 825' FWL	900 BBL/D	4300 MCF/D	4600 BBL/D
JS 24 22 FED 408H	*Pending*	UL: E, Sec 19, T26S-R27E	2207'FNL, 825' FWL	900 BBL/D	4300 MCF/D	4600 BBL/D
JS 24 22 FED 409H	*Pending*	UL: E, Sec 19, T26S-R27E	2227'FNL, 825' FWL	900 BBL/D	4300 MCF/D	4600 BBL/D
JS 24 22 FED 410H	*Pending*	UL: E, Sec 19, T26S-R27E	2247'FNL, 825' FWL	900 BBL/D	4300 MCF/D	4600 BBL/D
JS 24 22 FED 411H	*Pending*	UL: E, Sec 19, T26S-R27E	2267'FNL, 825' FWL	900 BBL/D	4300 MCF/D	4600 BBL/D
JS 24 22 FED 412H	*Pending*	UL: E, Sec 19, T26S-R27E	2287'FNL, 825' FWL	900 BBL/D	4300 MCF/D	4600 BBL/D

IV. Central Delivery Point Name: Jumping Spring CTB 25 [See 19.15.27.9(D)(1) NMAC]

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

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
JS 24 22 FED 407H	*Pending*	August 2025	N/A	N/A	N/A	N/A
JS 24 22 FED 408H	*Pending*	August 2025	N/A	N/A	N/A	N/A
JS 24 22 FED 409H	*Pending*	August 2025	N/A	N/A	N/A	N/A
JS 24 22 FED 410H	*Pending*	August 2025	N/A	N/A	N/A	N/A
JS 24 22 FED 411H	*Pending*	August 2025	N/A	N/A	N/A	N/A

JS 24 22 FED 412H	*Pending*	August 2025	N/A	N/A	N/A	N/A

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

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

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

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

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

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

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

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

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

Section 3 - Certifications

Effective May 25, 2021

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

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

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

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

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

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

Section 4 - Notices

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

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Date: 05/04/2023
Phone: (432) 687-7148

OIL CONSERVATION DIVISION **(Only applicable when submitted as a standalone form)**
Approved By:
Title:
Approval Date:
Conditions of Approval:

Operational Best Management Practices
Chevron U.S.A. Inc.

These practices comply with 19.15.27 NMAC – Venting and Flaring of Natural Gas and with the BLM Waste Prevention Rule.

Separation Equipment

Separation equipment installed at each Chevron facility is designed for maximum anticipated throughput and pressure to minimize waste. Separation equipment is designed and built according to ASME Sec VIII Div I to ensure gas is separated from liquid (oil and water) streams according to projected production.

Operational & Best Management Practices

1. General Requirements for Venting and Flaring of Natural Gas

- In all circumstances, Chevron will flare rather than vent unless flaring is technically infeasible and venting of natural gas will avoid a risk of an immediate and substantial adverse impact on safety, public health, or the environment.
- Chevron installs and operates vapor recovery units (VRUs) at facilities to minimize venting and flaring. If a VRU experiences operating issues, it is quickly assessed so that action can be taken to return the VRU to operation or, if necessary, facilities are shut-in to reduce the venting or flaring of natural gas.

2. During Drilling Operations

- Flare stacks will be located a minimum of 110 feet from the nearest surface hole location.
- If an emergency or malfunction occurs, gas will be flared or vented to avoid a risk of an immediate and substantial adverse impact on public health, safety or the environment and be properly reported to the NMOCD pursuant to 19.15.27.8.G.
- Natural gas is captured or combusted if technically feasible using best industry practices and control technologies, such as the use of separators (e.g., Sand Commanders) during normal drilling and completions operations.

3. During Completions

- Chevron typically does not complete traditional flowback, instead Chevron will flow produced oil, water, and gas to a centralized tank battery and continuously recover salable quality gas. If Chevron completes traditional flowback, Chevron conducts reduced emission completions as required by 40 CFR 60.5375a by routing gas to a gas flow line as soon as practicable once there is enough gas to operate a separator. Venting does not occur once there is enough gas to operate a separator.
- Normally, during completions a flare is not on-site. A Snubbing Unit will have a flare on-site, and the flare volume will be estimated.
- If natural gas does not meet pipeline quality specification, the gas is sampled twice per week until the gas meets the specifications.

4. During Production

- An audio, visual and olfactory (AVO) inspection will be performed for wells and facilities at a frequency that meets current federal and state regulations to confirm that all production equipment is operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC. Inspection records will be kept for a minimum of five years and will be available upon request by the division.
- Monitor manual liquid unloading for wells on-site, takes all reasonable actions to achieve a stabilized rate and pressure at the earliest practical time and takes reasonable actions to minimize venting to the maximum extent practicable.
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5. Performance Standards

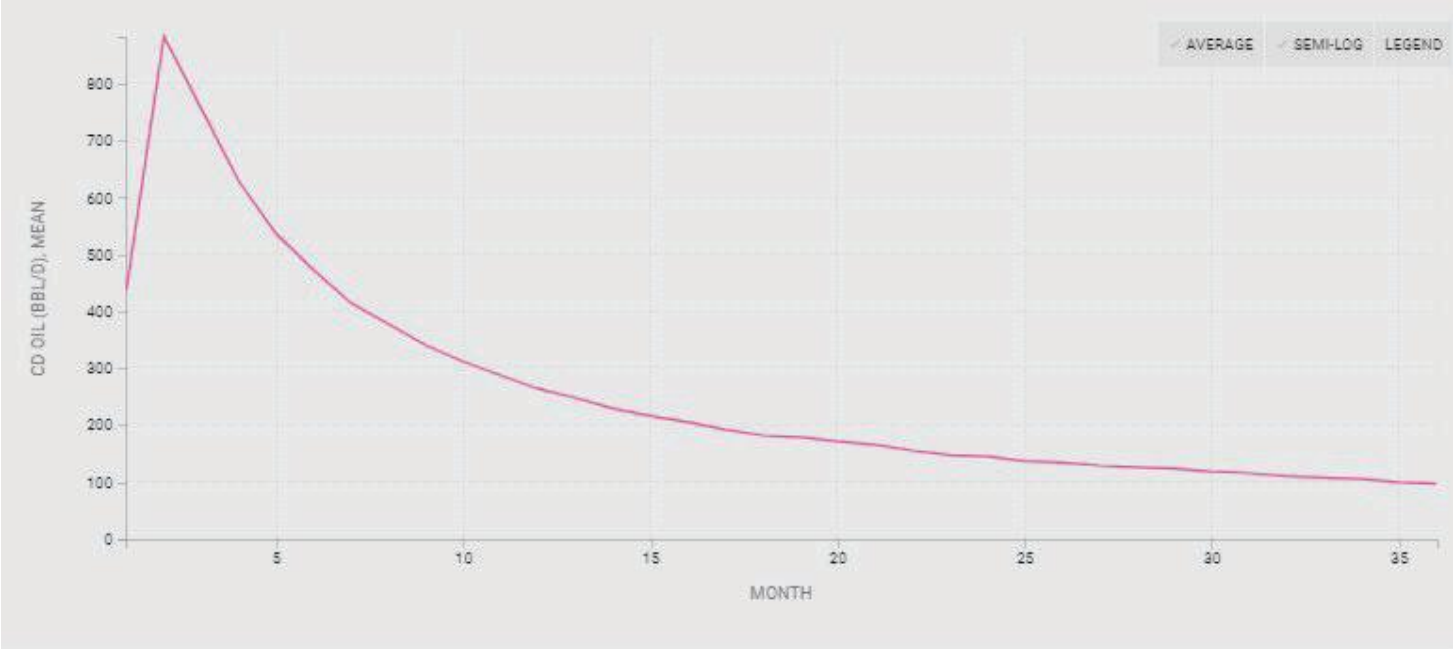
- Equipment installed at each facility is designed for maximum anticipated throughput and pressure to minimize waste. Tank pressure relief systems utilize a soft seated or metal seated PSVs, as appropriate, which are both designed to not leak.
- Flare stack has been designed for proper size and combustion efficiency. New flares will have a continuous pilot and will be located at least 100 feet from the well and storage tanks and will be securely anchored.
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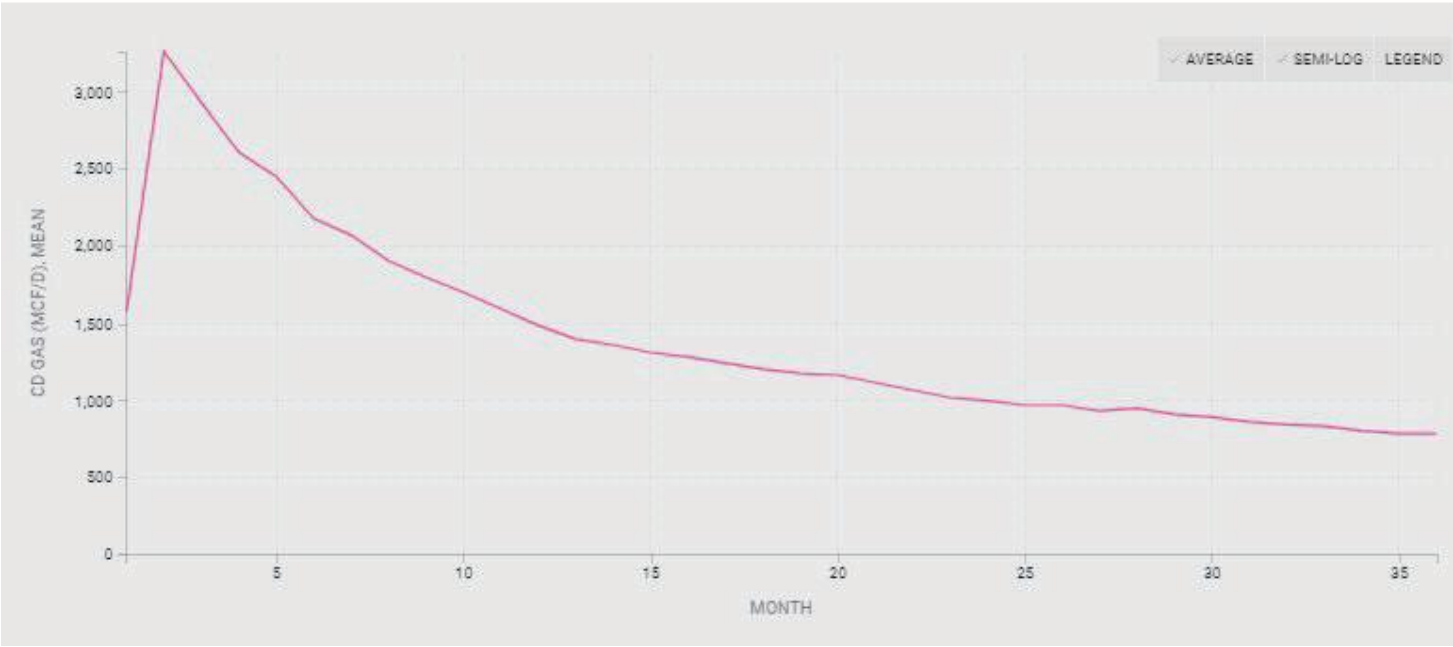
6. Measurement or Estimation of Vented and Flared Natural Gas

- Chevron estimates or measures the volume of natural gas that is vented, flared, or beneficially used during drilling, completions, and operations, regardless of the reason or authorization for such venting or flaring.
- Where technically practicable, Chevron will install meters on flares installed after May 25, 2021. Meters will conform to industry standards. Bypassing the meter will only occur for inspecting and servicing of the meter.

Eddy County NM Wolfcamp Average Production per Well

- **Data source: Publicly available from Enverus Prism (June 2024)**
- **Number of wells: N = 877**
- **Data Range: 2016+**
- **Production History: 36 months**





Operational Best Management Practices
Chevron U.S.A. Inc.

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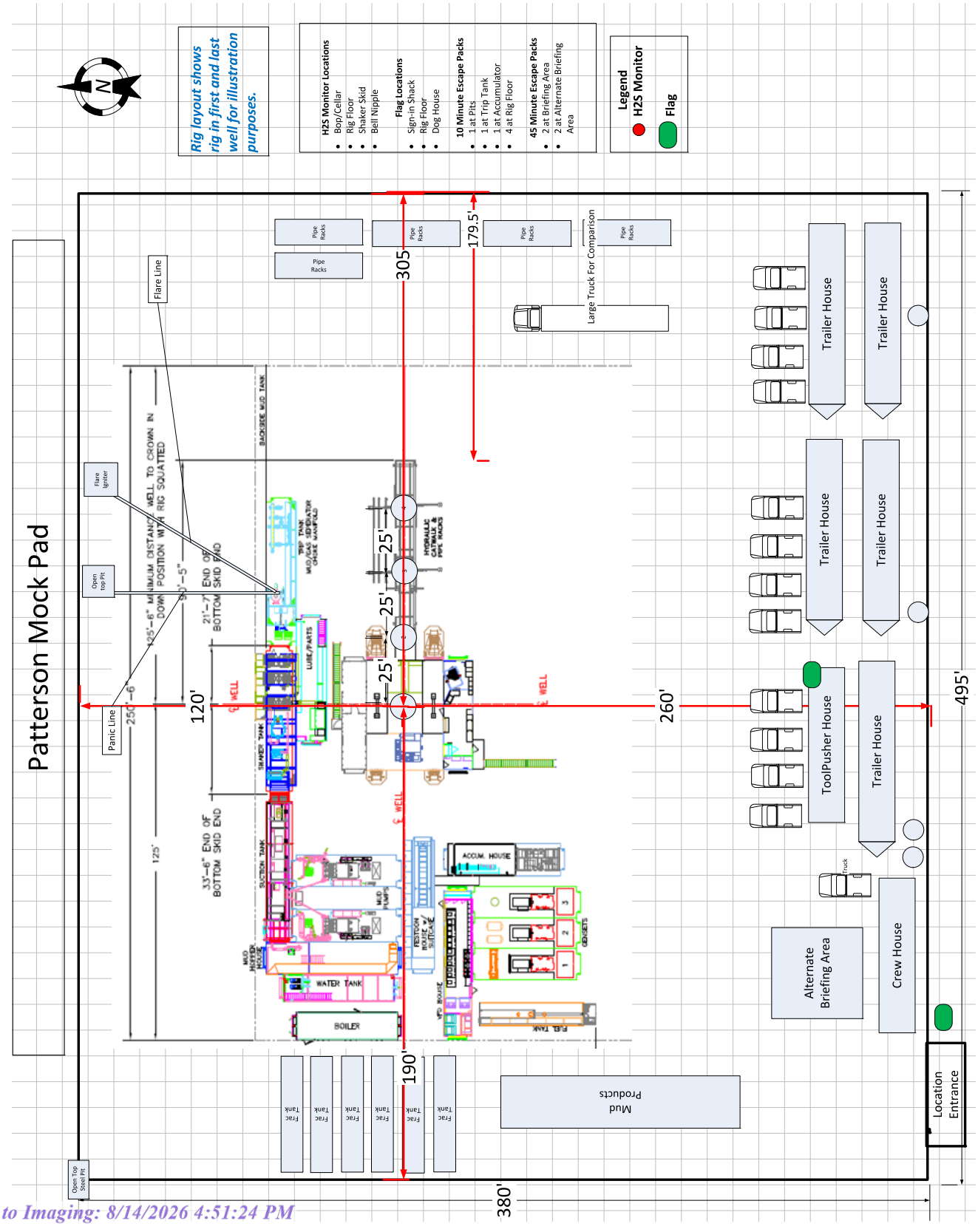
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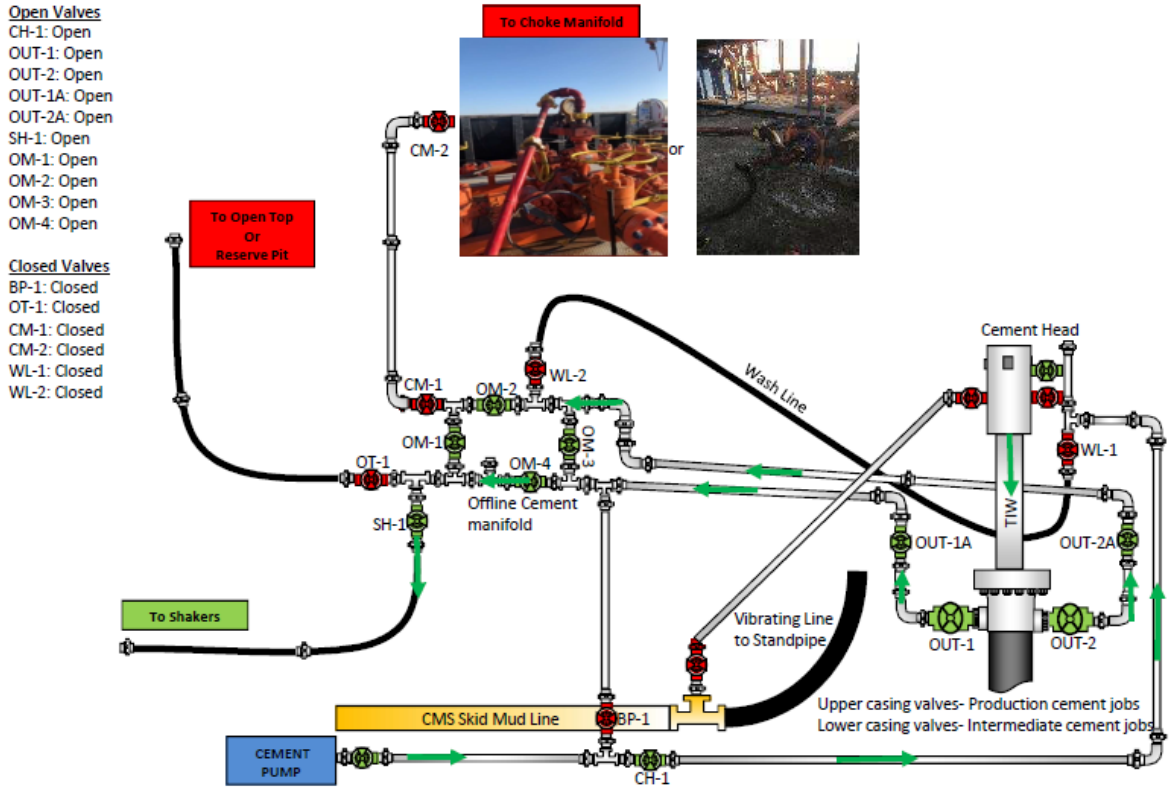
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Rig layout shows rig in first and last well for illustration purposes.
H2S Monitor Locations
Bop/Cellar
Rig Floor
Shaker Skid
Bell Nipple
Flag Locations
Sign-in Shack
Rig Floor
Dog House
10 Minute Escape Packs
1 at Pits
1 at Trip Tank
1 at Accumulator
4 at Rig Floor
45 Minute Escape Packs
2 at Briefing Area
2 at Alternate Briefing Area
Legend
H2S Monitor
Flag
Patterson Mock Pad
N
Flare Line
Panic Line
Open top Pit
Flare Igniter
Open Top Steel Pit
Pipe Racks
Large Truck For Comparison
305
179.5'
25'
120'
260'
495'
380'
190'
Trailer House
ToolPusher House
Crew House
Alternate Briefing Area
Location Entrance
Mud Products
Frac Tank
WATER TANK
BOILER
ACCUM. HOUSE
SUCTION TANK
SHAKER TANK
MUD PUMPS
GENERATORS
HYDRAULIC CATWALK & PIPE RACKS
LUBE/PARTS
BACKSIDE MUD TANK
135'-6" MINIMUM DISTANCE WELL TO CROWN IN DOWN POSITION WITH RIG SQUATTED
125'
250'-6"
33'-6" END OF BOTTOM SKID END
21'-7" END OF BOTTOM SKID END
90'-5"
WELL

Chevron Offline Cementing Schematic

Below details the standard rig up while performing offline cementing operations. The TIW/FOSV, valves, and iron are rated to 10ksi. The cement head is rated to a minimum of 5ksi.



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

SUPO Data Report
06/22/2026

APD ID: 10400092266
Submission Date: 05/15/2023
Operator Name: CHEVRON USA INCORPORATED
Well Name: JS 24 22 FED COM
Well Number: 411H
Well Type: CONVENTIONAL GAS WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Section 1 - Existing Roads

Will existing roads be used? NO

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? YES

New Road Map:

JS_24_22_FED_COM_411H_Road_Plat_Cert_03_07_2023_20230515071051.pdf

New road type: LOCAL

Length: 1048 Feet **Width (ft.):** 24

Max slope (%): 3 **Max grade (%):** 2

Army Corp of Engineers (ACOE) permit required? N

ACOE Permit Number(s):

New road travel width: 20

New road access erosion control: SEE MDP

New road access plan or profile prepared? N

New road access plan

Access road engineering design? N

Access road engineering design

Turnout? N

Access surfacing type: OTHER

Access topsoil source: ONSITE

Operator Name: CHEVRON USA INCORPORATED

Well Name: JS 24 22 FED COM **Well Number:** 411H

Access surfacing type description: CALICHE

Access onsite topsoil source depth: 6

Offsite topsoil source description:

Onsite topsoil removal process: SCRAPING

Access other construction information:

Access miscellaneous information:

Number of access turnouts:

Access turnout map:

Drainage Control

New road drainage crossing: LOW WATER,OTHER

Other Description: SEE MDP

Drainage Control comments: SEE MDP

Road Drainage Control Structures (DCS) description: SEE MDP

Road Drainage Control Structures (DCS) attachment:

Access Additional Attachments

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Existing Well map Attachment:

JS_24_22_FED_COM___1_MILE_RADIUS_20230510142051.pdf

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

Submit or defer a Proposed Production Facilities plan? SUBMIT

Production Facilities description: Facilities: Production Facilities are proposed in the NW4 and NE4 of Sec. 25, T26S-R27E where oil and gas sales will take place. o The Central Tank Battery is proposed in the NE4 of S25 T26S-R27E. o Oil sales will take place at proposed tank battery. o Compression facilities are proposed in NW4 S25 T26S-R27E. Electric Compression Substation Proposed (see Ancillary Facilities) o Gas purchaser pipeline is in place at the compression facilities. o Open top tanks or open containments will be netted. o Open vent exhaust stacks will be modified to prevent birds or bats from entering, discourage perching, roosting, and nesting. o Facilities will have a secondary containment 1.5 times the holding capacity of largest storage tank. o All above ground structures will be painted non-reflective shale green for blending with surrounding environment. Pipelines & Utilities: See Attached Detail o Pipelines/Powerlines Include: 50 pipeline ROW (8,308.66 503.55 rods 9.66 ac) containing: 10 x 4" Carbon Steel Flowlines 50 pipeline/gas lift ROW (7,646.48 463.43 rods 9.14 ac) containing: 10 x 4" Carbon Steel Flowlines 4" Sch 80 HP Steel Gas Lift line 50 powerline/ waterline ROW (4,516.03 273.70 rods 5.18 ac) containing: Overhead Electric Transmission Line Co-located aerial fiber optic cable Temporary Water Line (if needed) o 20 Temporary workspace will be utilized where possible on one or both sides of ROWs o Rights-of-Way will be required and applications accompany this APD

Production Facilities map:

Operator Name: CHEVRON USA INCORPORATED

Well Name: JS 24 22 FED COM **Well Number:** 411H

JS_24_22_FED_COM_Aerial_Detail_Cert_04_27_2023_20230510142137.pdf

JS_Electrical_Comp_Station_to_CTB_Pipelines_EDS_Plat_Cert_04_28_2023_20231027075314.pdf

JS_Electrical_Compression_Station_Pad_Plat_Cert_04_27_2023_20231027075323.pdf

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: OTHER

Describe type: Water (fresh and/or recycled) will be pulled from ponds in Sections 24, T26S-R2E will be utilized for frac water. Fresh/Recycled water may also be pulled directly from recycle-on-the-fly units located in the JDA. Water will be transferred with a temporary water transfer line: o ~4,516.03 of layflat water line o Will follow BLM Temporary Water Policy

Water source use type: SURFACE CASING
INTERMEDIATE/PRODUCTION CASING
STIMULATION

Source latitude: **Source longitude:**

Source datum:

City:

Water source permit type: PRIVATE CONTRACT

Water source transport method: PIPELINE

Source land ownership: FEDERAL

Source transportation land ownership: FEDERAL

Water source volume (barrels): 600000 **Source volume (acre-feet):** 77.3358578

Source volume (gal): 25200000

Water source and transportation

JS_24_22_FED_COM_Pipeline_EDS_Plat_R3_Cert_04_27_2023_20230510142714.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:

Operator Name: CHEVRON USA INCORPORATED

Well Name: JS 24 22 FED COM **Well Number:** 411H

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:**

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 will be used from Chevron-owned pit in Section 16, T26S R27E, orBLM/private caliche pit in vicinity

Construction Materials source location

Section 7 - Methods for Handling

Waste type: GARBAGE

Waste content description: - Garbage and trash produced during drilling and completion operations will be collected in a trash container and disposed of properly at a state approved disposal facility. All trash on and around the well site will be collected for disposal. - Human waste and grey water will be properly contained and disposed of properly at a state approved disposal facility. - After drilling and completion operations, trash, chemicals, salts, frac sand and other waste material will be removed and disposed of properly at a state approved disposal facility.

Amount of waste: 200 pounds

Waste disposal frequency : Daily

Safe containment description: Drilling fluids and produced oil and water from the well during drilling and completion operations will be stored safely and disposed of properly in an NMOCD approved disposal facility.

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** STATE

Disposal type description:

Disposal location description: STATE APPROVED FACILITY

Reserve Pit

Reserve Pit being used? NO

Temporary disposal of produced water into reserve pit? NO

Operator Name: CHEVRON USA INCORPORATED

Well Name: JS 24 22 FED COM **Well Number:** 411H

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? Y

Description of cuttings location IN STEEL CONTAINERS ON WELL PAD

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?

Cuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary

Are you requesting any Ancillary Facilities?: N

Ancillary Facilities

Comments:

Section 9 - Well Site

Well Site Layout Diagram:

JS_24_22_FED_COM_PAD_PLAT_Cert_03_07_2023_20230510142909.pdf

Comments: Surveyor Plat oExterior well pad dimensions are 685 x 520 oInterior well pad dimensions from point of entry (well head) are shown onattached well plats. Total disturbance area needed for construction of well padwill be approximately 8.18 acres oTopsoil placement is on the west where interim reclamation is planned to becompleted upon completion of well and evaluation of best management practices. oCut and fill: see attached cut/fill diagram. Permanent Access 399.04 (24.18 rods - .18 ac) | Temporary Access 649.44 (39.36 rods - .30 ac)

Operator Name: CHEVRON USA INCORPORATED

Well Name: JS 24 22 FED COM **Well Number:** 411H

Section 10 - Plans for Surface

Type of disturbance: New Surface Disturbance

Multiple Well Pad Name: JS 24 22 FED COM

Multiple Well Pad Number: 407H; 408H; 409H; 410H; 411H; 412H

Recontouring

JS_24_22_FED_COM_IR_Cert_03_07_2023_20230510143010.pdf

Drainage/Erosion control construction: SEE MDP

Drainage/Erosion control reclamation: SEE MDP

Well pad proposed disturbance (acres): 8.18	**Well pad interim reclamation (acres):** 2.94	**Well pad long term disturbance (acres):** 5.24
Road proposed disturbance (acres): 0.48	**Road interim reclamation (acres):** 0.3	**Road long term disturbance (acres):** 0.18
Powerline proposed disturbance (acres): 5.18	**Powerline interim reclamation (acres):** 5.18	**Powerline long term disturbance (acres):** 0
Pipeline proposed disturbance (acres): 18.8	**Pipeline interim reclamation (acres):** 18.8	**Pipeline long term disturbance (acres):** 0
Other proposed disturbance (acres): 0	**Other interim reclamation (acres):** 0	**Other long term disturbance (acres):** 0
Total proposed disturbance: 32.64	**Total interim reclamation:** 27.22	**Total long term disturbance:** 5.42

Disturbance Comments:

Reconstruction method: SEE MDP

Topsoil redistribution: SEE MDP

Soil treatment: SEE MDP

Existing Vegetation at the well pad: SEE MDP

Existing Vegetation at the well pad

Existing Vegetation Community at the road: SEE MDP

Existing Vegetation Community at the road

Existing Vegetation Community at the pipeline: SEE MDP

Existing Vegetation Community at the pipeline

Existing Vegetation Community at other disturbances: SEE MDP

Existing Vegetation Community at other disturbances

Non native seed used? N

Non native seed description:

Operator Name: CHEVRON USA INCORPORATED

Well Name: JS 24 22 FED COM **Well Number:** 411H

Seedling transplant description:

Will seedlings be transplanted for this project? N

Seedling transplant description attachment:

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

First Name: **Last Name:**

Phone: **Email:**

Seedbed prep:

Seed BMP:

Seed method:

Existing invasive species? N

Existing invasive species treatment description:

Existing invasive species treatment

Weed treatment plan description: SEE MDP

Weed treatment plan

Monitoring plan description: SEE MDP

Monitoring plan

Success standards: SEE MDP

Pit closure description: NONE

Pit closure attachment:

Operator Name: CHEVRON USA INCORPORATED

Well Name: JS 24 22 FED COM **Well Number:** 411H

Section 11 - Surface

Disturbance type: FIBER OPTIC

Describe: WELL PAD, ROAD AND ASSOCIATED INFRASTRUCTURE

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:

Operator Name: CHEVRON USA INCORPORATED

Well Name: JS 24 22 FED COM **Well Number:** 411H

USFS Forest/Grassland: **USFS Ranger District:**

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: 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:

Operator Name: CHEVRON USA INCORPORATED

Well Name: JS 24 22 FED COM **Well Number:** 411H

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

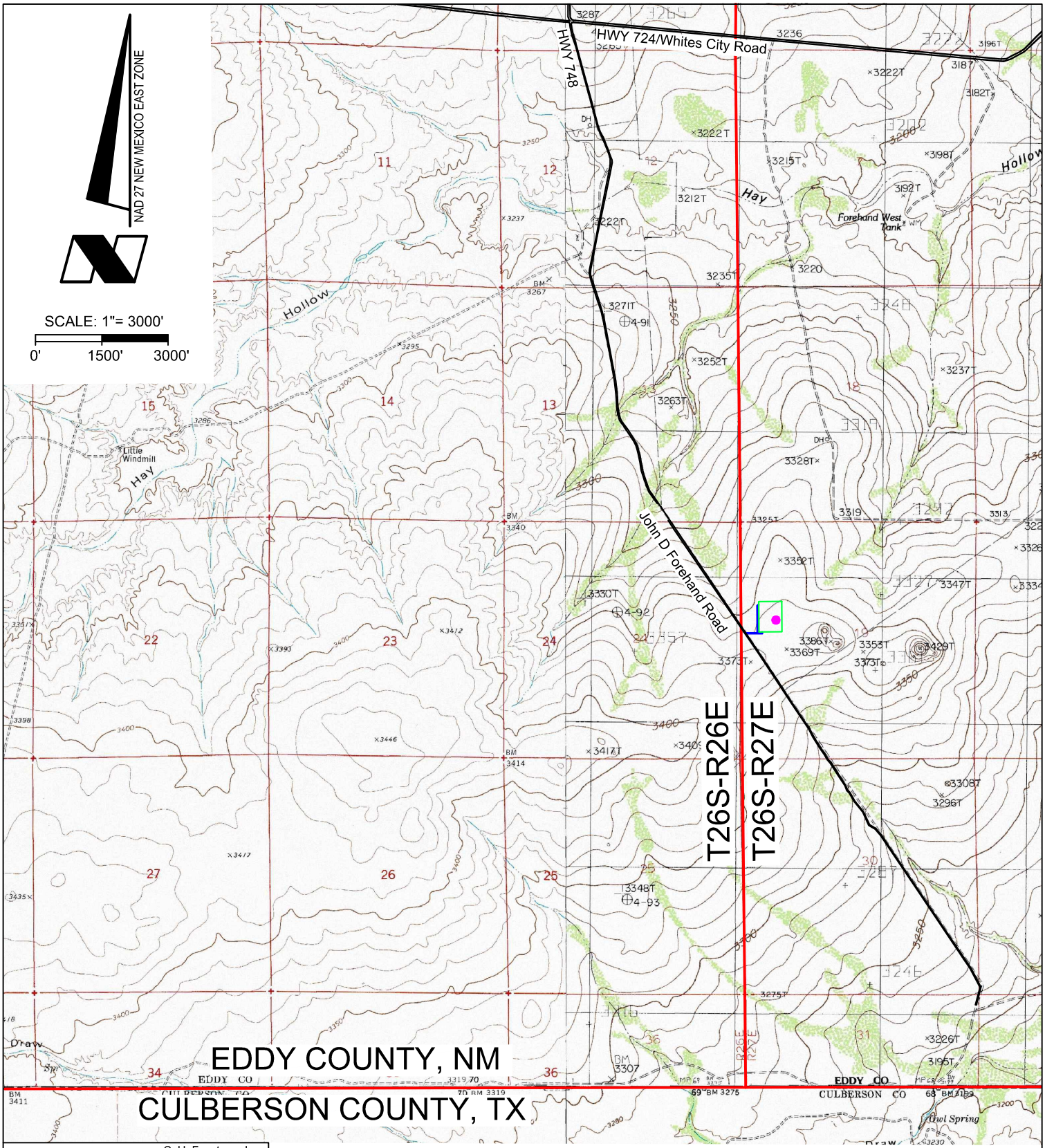
SUPO Additional Information:

Use a previously conducted onsite? N

Previous Onsite information:

Other SUPO

PKG_2_JS_24_22_FED_COM_407H_412H_SUPO_20230510143838.pdf



C. H. Fenstermaker & Associates, L.L.C.
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REVISIONS	
02/02/2023 LLL	Shifted wells South
02/06/2023 LLL	Revised well name

DRAWN BY: LLL	PROJ. MGR.: ECF
DATE: 01/25/2023	
JOB#: 2225457.00C	SHEET 1 OF 1

FOR THE EXCLUSIVE USE OF CHEVRON U.S.A. INC.

I, Robert L. Lastrapes, Professional Surveyor, do hereby state the above plat to be true and correct to the best of my knowledge.

Robert L. Lastrapes
Professional Surveyor
Registration No. 23006

03/07/2023

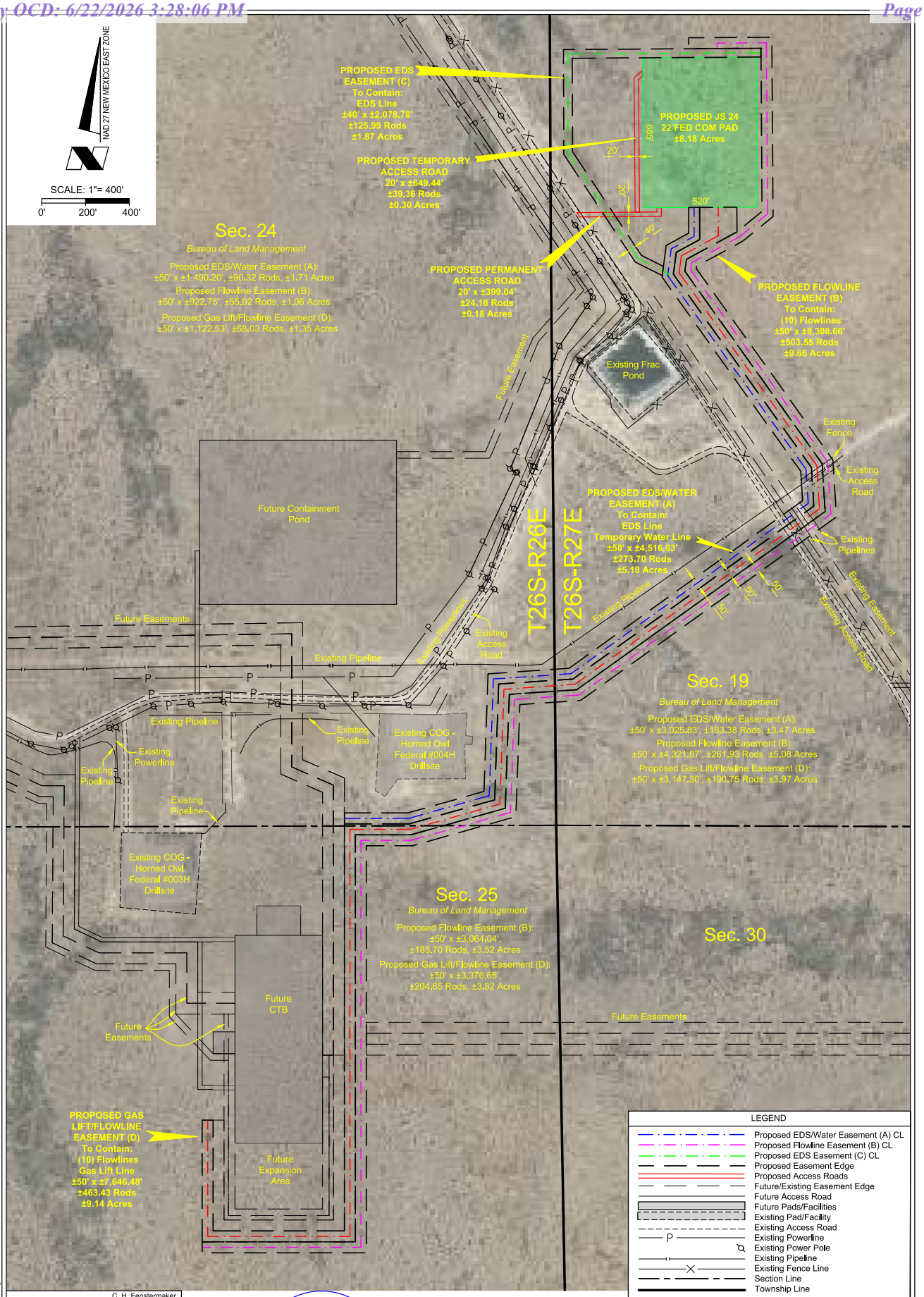
ROAD PLAT
JS 24 22 FED COM
NO. 411H WELL
CHEVRON U.S.A. INC.

LOCATED 2,267' FNL & 825' FWL
SITUATED IN
SECTION 19, T26S-R27E
EDDY COUNTY, NEW MEXICO

T:\2022\2225457\DWG\JS 24 22 FED COM #411H Road Plat.dwg

JUMPING SPRING 24 22 FED COM – 1 MILE RADIUS





C. H. Fenstermaker & Associates, L.L.C.
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Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
04/10/2023 LLL	Added/Revised Easements
04/27/2023 LLL	Revised Easements (B) & (D) Revised to new standards
DRAWN BY: LLL	PROJ. MGR.: ECF
DATE: 03/31/2023	SCALE: 1" = 400'

FOR THE EXCLUSIVE USE OF CHEVRON U.S.A. INC.

I, Robert L. Lastrapes, Professional Surveyor, do hereby state the above plat to be true and correct to the best of my knowledge.

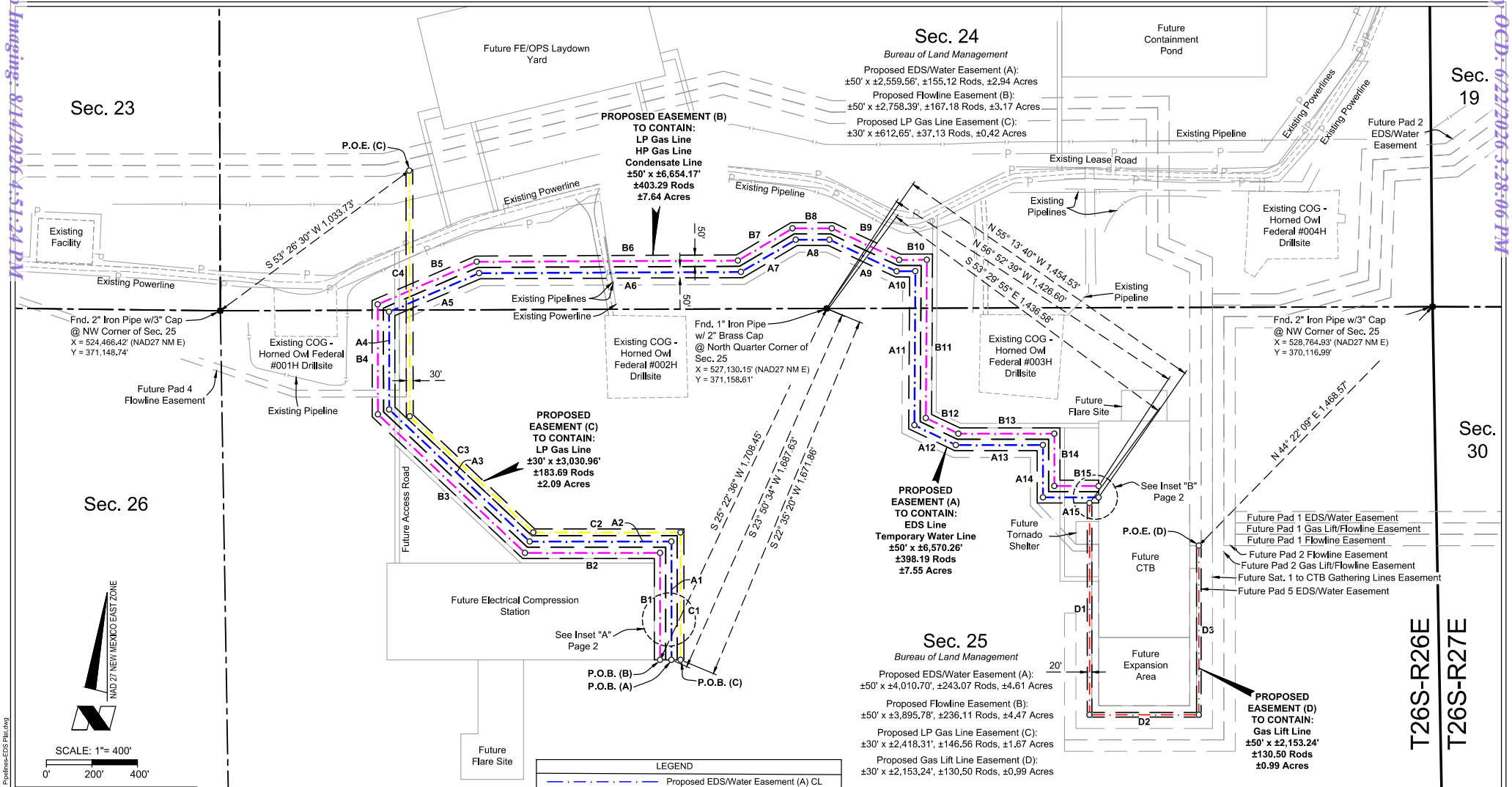
23006 04/27/2023

Robert L. Lastrapes
Professional Surveyor
Registration No. 23006

DETAIL PLAT
JS 24 22 FED COM
CHEVRON U.S.A. INC.
SITUATED IN
SECTIONS 24 & 25, T26S-R26E
& SECTION 19, T26S-R27E
EDDY COUNTY, NEW MEXICO

Released to Imaging: 8/14/2026 4:51:24 PM

Released to Imaging: 8/14/2026 4:51:24 PM
Received by OCD: 6/22/2026 3:28:06 PM



LEGEND

- Proposed EDS/Water Easement (A) CL
- Proposed Flowline Easement (B) CL
- Proposed LP Gas Line Easement (C) CL
- Proposed Gas Lift Line Easement (D) CL
- Proposed Easement Edge
- Future/Existing Easement Edge
- Future Pad/Facility
- Future Access Road
- Existing Pad/Facility
- Existing Access Road
- Existing Powerline
- Existing Pipeline
- Section Line
- Township Line
- Fnd. Monument

NOTE:
See Page 2 of 2 for Reference Notes and Certification.

ROBERT L. LASTRAPES
NEW MEXICO
23006
04/28/2023
PROFESSIONAL SURVEYOR

FENSTERMAKER
C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
03/30/2023 LLL	Revised Easement routes
04/14/2023 LLL	Added Easement (C)
04/26/2023 BPT	Added Easement (D)/ Revised to reflect new standards

DRAWN BY: LLL	PROJ. MGR.: ECF
DATE: 03/17/2023	
JOB#: 2225361.00C	SHEET 1 OF 2

T:\2022\2225361\DWG\US Electrical Comp Station to CTB Pipelines-EDS Plat.dwg

PIPELINE/EDS PLAT
JUMPING SPRING COMPRESSION STATION & CTB
CHEVRON U.S.A. INC.
PROPOSED PIPELINES & EDS/FIBER LINES
SITUATED IN
SECTIONS 24 & 25, T26S-R26E
EDDY COUNTY, NEW MEXICO

Released to Imaging: 8/14/2026 4:51:24 PM
Received by OCD: 6/22/2026 3:28:06 PM

POINT OF BEGINNING (A)
X = 526,447.96' (NAD27 NM E)
Y = 369,615.01'
LAT. 32.016157° N (NAD27)
LONG. 104.248001° W
X = 567,631.26' (NAD83/2011 NM E)
Y = 369,671.62'
LAT. 32.016279° N (NAD83/2011)
LONG. 104.248497° W

POINT OF ENDING (A)
X = 528,324.93' (NAD27 NM E)
Y = 370,329.07'
LAT. 32.018116° N (NAD27)
LONG. 104.241943° W
X = 569,508.28' (NAD83/2011 NM E)
Y = 370,385.72'
LAT. 32.018238° N (NAD83/2011)
LONG. 104.242438° W

POINT OF BEGINNING (B)
X = 526,397.96' (NAD27 NM E)
Y = 369,615.01'
LAT. 32.016157° N (NAD27)
LONG. 104.248162° W
X = 567,581.26' (NAD83/2011 NM E)
Y = 369,671.62'
LAT. 32.016279° N (NAD83/2011)
LONG. 104.248658° W

POINT OF ENDING (B)
X = 528,324.93' (NAD27 NM E)
Y = 370,379.07'
LAT. 32.018253° N (NAD27)
LONG. 104.241943° W
X = 569,508.28' (NAD83/2011 NM E)
Y = 370,435.72'
LAT. 32.018375° N (NAD83/2011)
LONG. 104.242438° W

POINT OF BEGINNING (C)
X = 526,487.96' (NAD27 NM E)
Y = 369,615.01'
LAT. 32.016157° N (NAD27)
LONG. 104.247872° W
X = 567,671.26' (NAD83/2011 NM E)
Y = 369,671.62'
LAT. 32.016279° N (NAD83/2011)
LONG. 104.248367° W

POINT OF ENDING (C)
X = 525,296.77' (NAD27 NM E)
Y = 371,764.47'
LAT. 32.022068° N (NAD27)
LONG. 104.251710° W
X = 566,480.02' (NAD83/2011 NM E)
Y = 371,821.11'
LAT. 32.022190° N (NAD83/2011)
LONG. 104.252206° W

POINT OF BEGINNING (D)
X = 528,284.93' (NAD27 NM E)
Y = 370,304.07'
LAT. 32.018047° N (NAD27)
LONG. 104.242072° W
X = 569,468.28' (NAD83/2011 NM E)
Y = 370,360.72'
LAT. 32.018169° N (NAD83/2011)
LONG. 104.242568° W

POINT OF ENDING (D)
X = 528,764.93' (NAD27 NM E)
Y = 370,116.99'
LAT. 32.017532° N (NAD27)
LONG. 104.240524° W
X = 569,948.29' (NAD83/2011 NM E)
Y = 370,173.64'
LAT. 32.017654° N (NAD83/2011)
LONG. 104.241019° W

PROPOSED CL EDS/WATER EASEMENT (A)

Line	Bearing	Distance
A1	NORTH	520.00'
A2	WEST	622.65'
A3	N 46° 46' 37" W	846.48'
A4	N 00° 05' 31" W	429.15'
A5	N 66° 43' 52" E	430.83'
A6	N 89° 44' 58" E	1150.31'
A7	N 59° 28' 30" E	278.76'
A8	EAST	147.95'
A9	S 64° 52' 34" E	326.44'
A10	N 89° 44' 58" E	82.11'
A11	S 00° 21' 11" W	676.60'
A12	S 64° 30' 36" E	202.00'
A13	EAST	382.14'
A14	SOUTH	229.84'
A15	EAST	245.00'

PROPOSED CL FLOWLINE EASEMENT (B)

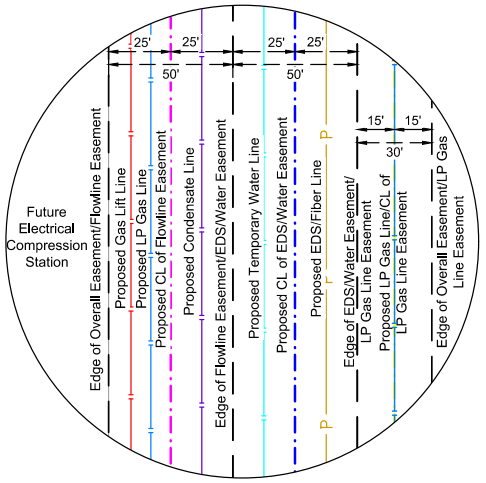
Line	Bearing	Distance
B1	NORTH	470.00'
B2	WEST	592.95'
B3	N 46° 43' 55" W	887.78'
B4	N 00° 05' 28" W	483.28'
B5	N 66° 43' 52" E	473.93'
B6	N 89° 44' 58" E	1146.96'
B7	N 59° 28' 30" E	278.88'
B8	EAST	172.74'
B9	S 64° 52' 34" E	326.32'
B10	N 89° 44' 58" E	121.38'
B11	S 00° 21' 11" W	695.36'
B12	S 64° 30' 36" E	158.92'
B13	EAST	420.83'
B14	SOUTH	229.84'
B15	EAST	195.00'

PROPOSED CL LP GAS LINE EASEMENT (C)

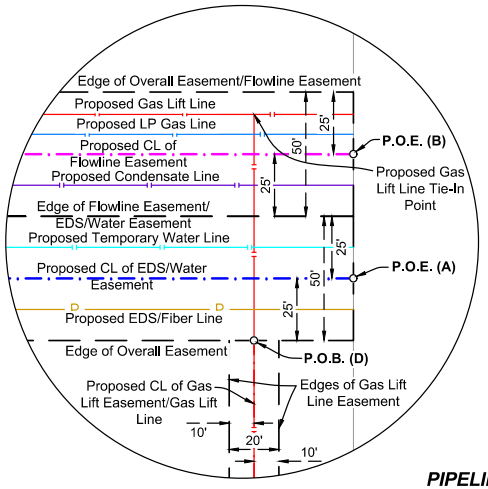
Line	Bearing	Distance
C1	NORTH	560.00'
C2	WEST	646.56'
C3	N 46° 48' 05" W	744.72'
C4	N 00° 05' 32" W	1079.68'

PROPOSED GAS LIFT EASEMENT (D)

Line	Bearing	Distance
D1	SOUTH	930.16'
D2	EAST	480.00'
D3	NORTH	743.08'



INSET "A"
Scale:1"=50'



INSET "B"
Scale:1"=50'

NOTE:
Field survey is in progress and is subject to change.

NOTE:
This plat represents a survey made on the ground for a proposed easement and is for the exclusive use of Chevron U.S.A. Inc. or their assigns.
This plat meets the requirements of New Mexico Administrative Code Section 12.8.2.12.

NOTE:
Basis of Bearings is the North American Datum of 1927, New Mexico East Zone, US Survey Feet.
All bearing, distances, area, and coordinates are Grid Values.

C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
03/30/2023 LLL	Revised Easement routes
04/14/2023 LLL	Added Easement (C)
04/26/2023 BPT	Added Easement (D)/ Revised to reflect new standards

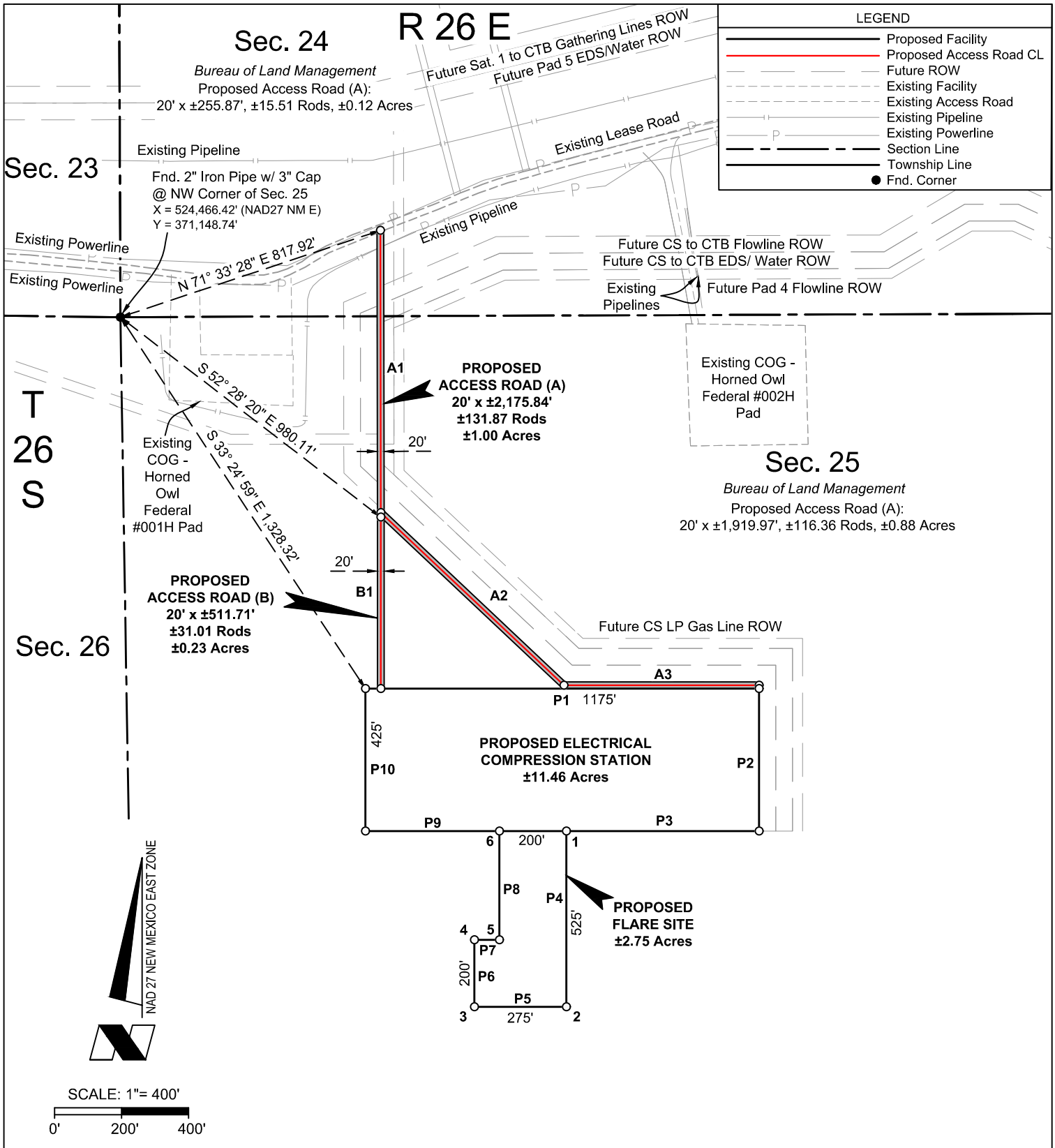
DRAWN BY: LLL	PROJ. MGR.: ECF
DATE: 03/17/2023	
JOB#: 2225361.00C	SHEET 2 OF 2

ROBERT L. LASTRAPES
NEW MEXICO
23006
04/28/2023
PROFESSIONAL SURVEYOR

I, Robert L. Lastrapes, New Mexico Professional Surveyor No. 23006, do hereby certify that this Boundary Survey Plat and the actual survey on the ground upon which it is based were performed by me or under my supervision; that I am responsible for this survey; that this survey meets the Minimum Standards for Surveying in New Mexico; and that it is true and correct to the best of my knowledge and belief. I further certify that this survey is not a land division or subdivision as defined in New Mexico Subdivision Act.
Robert L. Lastrapes PS No. 23006 Date: 04/28/2023

PIPELINE/EDS PLAT
JUMPING SPRING
COMPRESSION STATION & CTB
CHEVRON U.S.A. INC.
PROPOSED PIPELINES & EDS/FIBER LINES
SITUATED IN
SECTIONS 24 & 25, T26S-R26E
EDDY COUNTY, NEW MEXICO

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C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
03/14/2023 LLL	Revised access roads
DRAWN BY: LLL	PROJ. MGR.: ECF
DATE: 03/07/2023	
JOB#: 2225361.00C	SHEET 1 OF 2

FOR THE EXCLUSIVE USE OF CHEVRON U.S.A. INC.
I, Robert L. Lastrapes, Professional Surveyor, do hereby state the above plat to be true and correct to the best of my knowledge.
04/27/2023

ROBERT L. LASTRAPES 23006 PROFESSIONAL SURVEYOR

Robert L. Lastrapes
Professional Surveyor
Registration No. 23006

PAD PLAT
JS ELECTRICAL COMPRESSION STATION
CHEVRON U.S.A. INC.
PROPOSED PADS AND ACCESS ROADS
SITUATED IN
SECTIONS 24 & 25, T26S-R26E
EDDY COUNTY, NEW MEXICO

T:\2022\2225361\DWG\JS Electrical Compression Station Pad Plat.dwg

FLARE SITE CORNER 1
X = 525,798' (NAD27 NM E)
Y = 369,615'
LAT. 32.016158° N (NAD27)
LONG. 104.250098° W
X = 566,982' (NAD83/86 NM E)
Y = 369,672'
LAT. 32.016280° N (NAD83/86)
LONG. 104.250593° W
ELEV. +3385' (NAVD88)

FLARE SITE CORNER 2
X = 525,798' (NAD27 NM E)
Y = 369,090'
LAT. 32.014715° N (NAD27)
LONG. 104.250099° W
X = 566,982' (NAD83/86 NM E)
Y = 369,147'
LAT. 32.014837° N (NAD83/86)
LONG. 104.250594° W
ELEV. +3376' (NAVD88)

FLARE SITE CORNER 3
X = 525,523' (NAD27 NM E)
Y = 369,090'
LAT. 32.014716° N (NAD27)
LONG. 104.250987° W
X = 566,707' (NAD83/86 NM E)
Y = 369,147'
LAT. 32.014837° N (NAD83/86)
LONG. 104.251481° W
ELEV. +3371' (NAVD88)

FLARE SITE CORNER 4
X = 525,523' (NAD27 NM E)
Y = 369,290'
LAT. 32.015265° N (NAD27)
LONG. 104.250986° W
X = 566,707' (NAD83/86 NM E)
Y = 369,347'
LAT. 32.015387° N (NAD83/86)
LONG. 104.251481° W
ELEV. +3376' (NAVD88)

FLARE SITE CORNER 5
X = 525,598' (NAD27 NM E)
Y = 369,290'
LAT. 32.015265° N (NAD27)
LONG. 104.250744° W
X = 566,782' (NAD83/86 NM E)
Y = 369,347'
LAT. 32.015387° N (NAD83/86)
LONG. 104.251239° W
ELEV. +3377' (NAVD88)

FLARE SITE CORNER 6
X = 525,598' (NAD27 NM E)
Y = 369,615'
LAT. 32.016159° N (NAD27)
LONG. 104.250743° W
X = 566,782' (NAD83/86 NM E)
Y = 369,672'
LAT. 32.016280° N (NAD83/86)
LONG. 104.251238° W
ELEV. +3387' (NAVD88)

PROPOSED FACILITIES

Line	Bearing	Distance
P1	EAST	1175.0'
P2	SOUTH	425.0'
P3	WEST	575.0'
P4	SOUTH	525.0'
P5	WEST	275.0'
P6	NORTH	200.0'
P7	EAST	75.0'
P8	NORTH	325.0'
P9	WEST	400.0'
P10	NORTH	425.0'

NW ELECTRICAL COMPRESSION STATION CORNER
X = 525,198' (NAD27 NM E)
Y = 370,040'
LAT. 32.017328° N (NAD27)
LONG. 104.252033° W
X = 566,381' (NAD83/86 NM E)
Y = 370,097'
LAT. 32.017450° N (NAD83/86)
LONG. 104.252528° W
ELEV. +3395' (NAVD88)

NE ELECTRICAL COMPRESSION STATION CORNER
X = 526,373' (NAD27 NM E)
Y = 370,040'
LAT. 32.017325° N (NAD27)
LONG. 104.248242° W
X = 567,557' (NAD83/86 NM E)
Y = 370,097'
LAT. 32.017447° N (NAD83/86)
LONG. 104.248737° W
ELEV. +3394' (NAVD88)

SW ELECTRICAL COMPRESSION STATION CORNER
X = 525,198' (NAD27 NM E)
Y = 369,615'
LAT. 32.016160° N (NAD27)
LONG. 104.252034° W
X = 566,382' (NAD83/86 NM E)
Y = 369,672'
LAT. 32.016281° N (NAD83/86)
LONG. 104.252529° W
ELEV. +3382' (NAVD88)

SE ELECTRICAL COMPRESSION STATION CORNER
X = 526,373' (NAD27 NM E)
Y = 369,615'
LAT. 32.016157° N (NAD27)
LONG. 104.248243° W
X = 567,557' (NAD83/86 NM E)
Y = 369,672'
LAT. 32.016279° N (NAD83/86)
LONG. 104.248738° W
ELEV. +3388' (NAVD88)

PROPOSED CL ACCESS ROAD (A)

Line	Bearing	Distance
A1	S 00° 05' 32" E	842.03'
A2	S 46° 42' 39" E	751.74'
A3	EAST	582.07'

PROPOSED CL ACCESS ROAD (B)

Line	Bearing	Distance
B1	SOUTH	511.71'

DISCLAIMER: At this time, C. H. Fenstermaker & Associates, L.L.C. has not performed nor was asked to perform any type of engineering, hydrological modeling, flood plain, or "No Rise" certification analyses, including but not limited to determining whether the project will impact flood hazards in connection with federal/FEMA, state, and/or local laws, ordinances and regulations. Accordingly, Fenstermaker makes no warranty or representation of any kind as to the foregoing issues, and persons or entities using this information shall do so at their own risk.

NOTE:
Please be advised, that while reasonable efforts are made to locate and verify pipelines and anomalies using our standard pipeline locating equipment, it is impossible to be 100 % effective. As such, we advise using caution when performing work as there is a possibility that pipelines and other hazards, such as fiber optic cables, PVC pipelines, etc. may exist undetected on site.

NOTE:
Many states maintain information centers that establish links between those who dig (excavators) and those who own and operate underground facilities (operators). It is advisable and in most states, law, for the contractor to contact the center for assistance in locating and marking underground utilities. For guidance, New Mexico One Call www.nmonecall.org

NOTE:
This plat represents a limited survey made on the ground on April 12, 2023 for construction purposes and is for the exclusive use of Chevron U.S.A. Inc. This plat does not represent a boundary survey. Boundary lines and monuments depicted hereon are for reference purposes only. The basis of bearings of this survey is the New Mexico Coordinate System of 1927, East Zone. All bearings, distances, areas and coordinates shown hereon are grid.

C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
03/14/2023 LLL	Revised access roads

DRAWN BY: LLL	PROJ. MGR.: ECF
DATE: 03/07/2023	
JOB#: 2225361.00C	SHEET 2 OF 2

FOR THE EXCLUSIVE USE OF
CHEVRON U.S.A. INC.
I, Robert L. Lastrapes, Professional Surveyor, do hereby state the above plat to be true and correct to the best of my knowledge.
04/27/2023

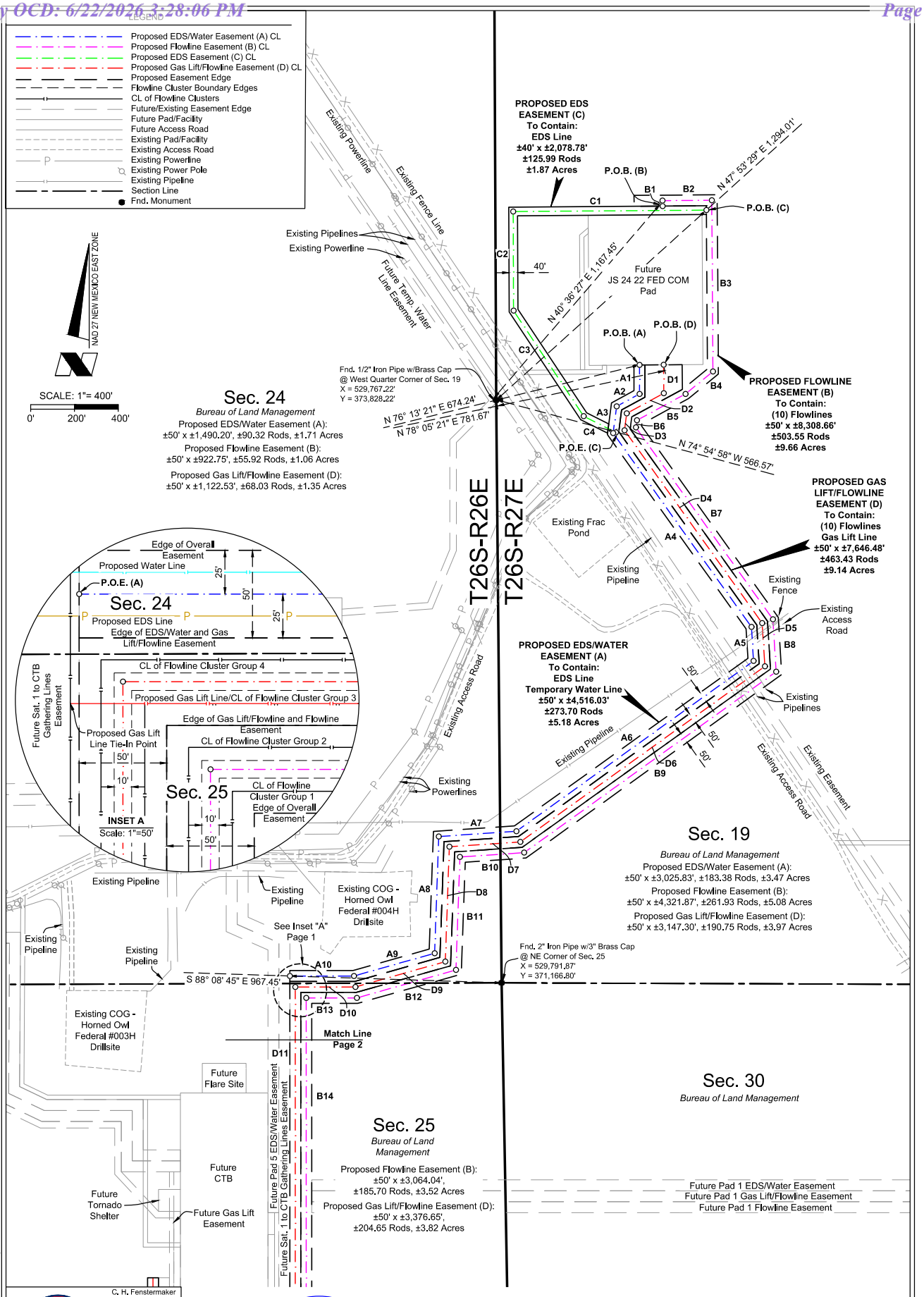
ROBERT L. LASTRAPES 23006 NEW MEXICO PROFESSIONAL SURVEYOR

Robert L. Lastrapes
Professional Surveyor
Registration No. 23006

PAD PLAT
JS ELECTRICAL COMPRESSION STATION
CHEVRON U.S.A. INC.
PROPOSED PADS AND ACCESS ROADS
SITUATED IN
SECTIONS 24 & 25, T26S-R26E
EDDY COUNTY, NEW MEXICO

T:\2022\2225361\DWG\JS Electrical Compression Station Pad Plat.dwg

Received by OCD: 6/22/2026 3:28:06 PM



C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
04/05/2023 LLL	Revised/Added Easements
04/21/2023 LLL	Added Inset and 10' Cluster Edges
04/26/2023 LLL	Revised Easements (B) & (D)/reflect new standards
DRAWN BY: LLL	PROJ. MGR.: ECF
DATE: 03/20/2023	
JOB#: 22254757/006	TYPE: A

ROBERT L. LASTRAPES
NEW MEXICO
23006
04/27/2023
PROFESSIONAL SURVEYOR

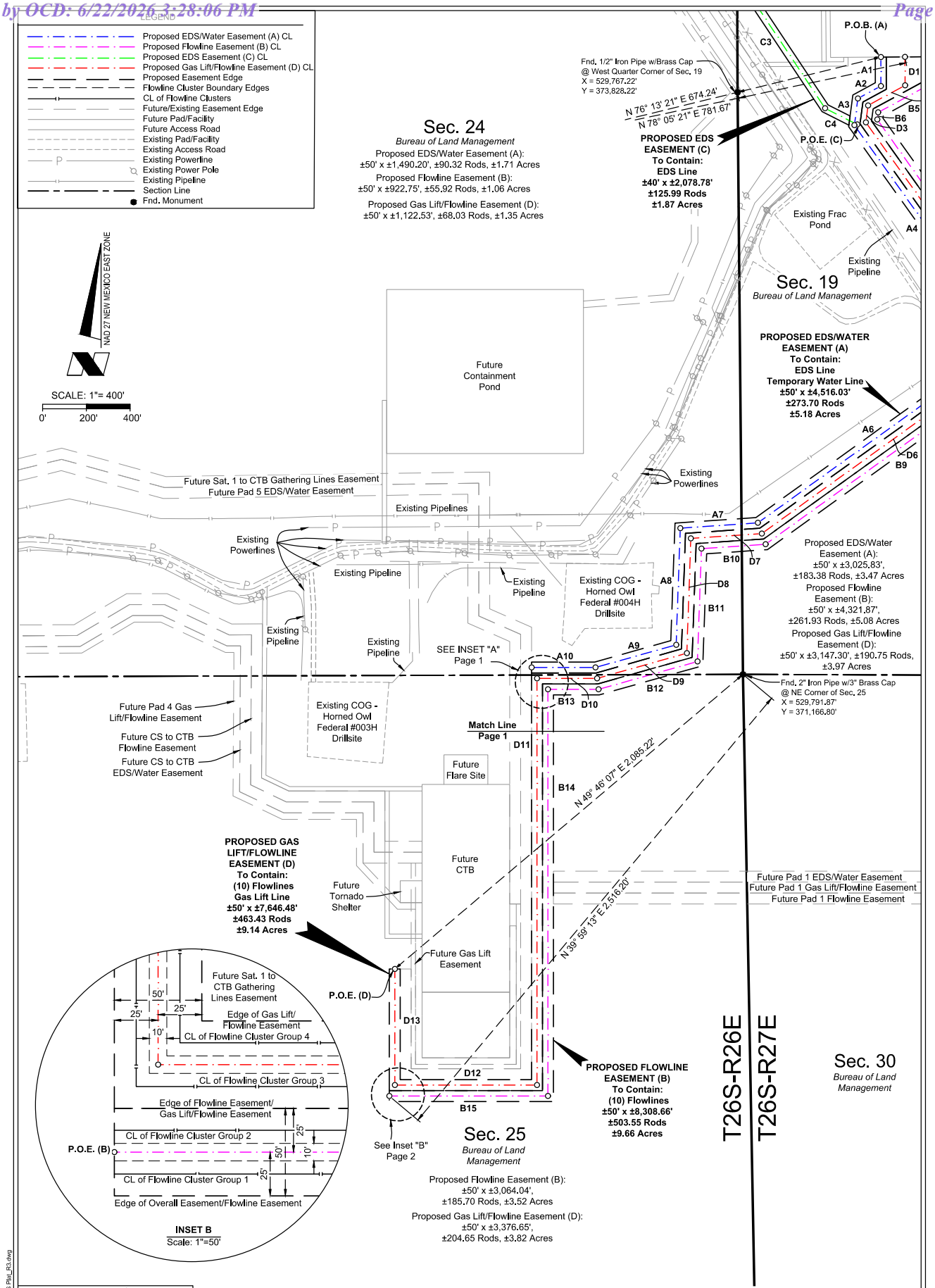
NOTE:
See Page 3 of 3 for Reference Notes and Certification.

PIPELINE/EDS PLAT
JS 24 22 FED COM
CHEVRON U.S.A. INC.
PROPOSED FLOWLINES, GAS LIFT LINE, EDS LINE, WATER LINE
SITUATED IN
SECTIONS 24 & 25, T26S-R26E
& SECTION 19, T26S-R27E
EDDY COUNTY, NEW MEXICO

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Received by OCD: 6/22/2026 3:28:06 PM



C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
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REVISIONS	
04/05/2023 LLL	Revised/Added Easements
04/21/2023 LLL	Added Inset and 10' Cluster Edges
04/26/2023 LLL	Revised Easements (B) & (D)/reflect new standards
DRAWN BY: LLL	PROJ. MGR.: ECF
DATE: 03/20/2023	
JOB#: 22254757/001	SHEET: 2

ROBERT L. LASTRAPES NEW MEXICO 23006 04/27/2023 PROFESSIONAL SURVEYOR

NOTE:
See Page 3 of 3 for Reference Notes and Certification.

PIPELINE/EDS PLAT
JS 24 22 FED COM
CHEVRON U.S.A. INC.
PROPOSED FLOWLINES, GAS LIFT LINE, EDS LINE, WATER LINE SITUATED IN SECTIONS 24 & 25, T26S-R26E & SECTION 19, T26S-R27E EDDY COUNTY, NEW MEXICO

I:\2022\22254757\DWG\JS 24 22 FED COM Pipeline-EDS Plat_R3.dwg

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PROPOSED CL EDS/WATER EASEMENT (A)		
Line	Bearing	Distance
A1	SOUTH	132.30'
A2	S 61° 30' 58" W	119.18'
A3	S 07° 30' 07" W	123.18'
A4	S 35° 31' 36" E	1087.62'
A5	S 03° 32' 01" E	155.91'
A6	S 54° 19' 44" W	1333.18'
A7	S 86° 05' 29" W	355.59'
A8	S 02° 01' 23" W	533.45'
A9	S 74° 16' 22" W	383.24'
A10	WEST	292.38'

POINT OF BEGINNING (A)
X = 530,422.06' (NAD27 NM E)
Y = 373,988.80'
LAT. 32.028172° N (NAD27)
LONG. 104.235166° W
X = 571,605.67' (NAD83/86 NM E)
Y = 374,045.44'
LAT. 32.028293° N (NAD83/86)
LONG. 104.235660° W

POINT OF ENDING (A)
X = 528,824.93' (NAD27 NM E)
Y = 371,198.10'
LAT. 32.020504° N (NAD27)
LONG. 104.240327° W
X = 570,008.54' (NAD83/86 NM E)
Y = 371,254.68'
LAT. 32.020625° N (NAD83/86)
LONG. 104.240822° W

PROPOSED CL EDS EASEMENT (C)		
Line	Bearing	Distance
C1	S 89° 36' 23" W	882.23'
C2	S 00° 12' 23" E	452.78'
C3	S 33° 36' 14" E	579.09'
C4	S 63° 18' 30" E	164.68'

POINT OF BEGINNING (C)
X = 530,727.21' (NAD27 NM E)
Y = 374,695.91'
LAT. 32.030115° N (NAD27)
LONG. 104.234179° W
X = 571,910.82' (NAD83/86 NM E)
Y = 374,752.57'
LAT. 32.030236° N (NAD83/86)
LONG. 104.234674° W

POINT OF ENDING (C)
X = 530,314.26' (NAD27 NM E)
Y = 373,680.79'
LAT. 32.027325° N (NAD27)
LONG. 104.235515° W
X = 571,497.88' (NAD83/86 NM E)
Y = 373,737.43'
LAT. 32.027447° N (NAD83/86)
LONG. 104.236009° W

PROPOSED CL FLOWLINE EASEMENT (B)		
Line	Bearing	Distance
B1	N 00° 23' 37" W	25.00'
B2	N 89° 36' 23" E	225.00'
B3	S 00° 23' 37" E	781.96'
B4	S 50° 43' 15" W	162.06'
B5	S 61° 30' 58" W	252.61'
B6	S 07° 30' 07" W	32.80'
B7	S 35° 31' 36" E	1076.87'
B8	S 03° 32' 01" E	239.86'
B9	S 54° 19' 44" W	1416.90'
B10	S 86° 05' 29" W	293.89'
B11	S 02° 01' 23" W	516.29'
B12	S 74° 16' 22" W	470.04'
B13	WEST	231.19'
B14	SOUTH	1859.19'
B15	WEST	725.00'

POINT OF BEGINNING (B)
X = 530,527.08' (NAD27 NM E)
Y = 374,714.54'
LAT. 32.030166° N (NAD27)
LONG. 104.234825° W
X = 571,710.68' (NAD83/86 NM E)
Y = 374,771.20'
LAT. 32.030288° N (NAD83/86)
LONG. 104.235319° W

POINT OF ENDING (B)
X = 528,174.93' (NAD27 NM E)
Y = 369,238.91'
LAT. 32.015119° N (NAD27)
LONG. 104.242430° W
X = 569,358.56' (NAD83/86 NM E)
Y = 369,295.44'
LAT. 32.015241° N (NAD83/86)
LONG. 104.242924° W

PROPOSED CL GAS LIFT/FLOWLINE EASEMENT (D)		
Line	Bearing	Distance
D1	S 00° 23' 37" E	129.77'
D2	S 61° 30' 58" W	192.73'
D3	S 07° 30' 07" W	77.99'
D4	S 35° 31' 36" E	1082.24'
D5	S 03° 32' 01" E	197.89'
D6	S 54° 19' 44" W	1375.04'
D7	S 86° 05' 29" W	324.74'
D8	S 02° 01' 23" W	524.87'
D9	S 74° 16' 22" W	426.64'
D10	WEST	274.28'
D11	SOUTH	1859.19'
D12	WEST	650.00'
D13	NORTH	531.10'

POINT OF BEGINNING (D)
X = 530,532.06' (NAD27 NM E)
Y = 373,989.55'
LAT. 32.028173° N (NAD27)
LONG. 104.234811° W
X = 571,715.68' (NAD83/86 NM E)
Y = 374,046.20'
LAT. 32.028295° N (NAD83/86)
LONG. 104.235305° W

POINT OF ENDING (D)
X = 528,199.93' (NAD27 NM E)
Y = 369,820.01'
LAT. 32.016717° N (NAD27)
LONG. 104.242348° W
X = 569,383.55' (NAD83/86 NM E)
Y = 369,876.55'
LAT. 32.016838° N (NAD83/86)
LONG. 104.242842° W

NOTE:
Field Survey is in progress and is subject to change

NOTE:
This plat represents a survey made on the ground for a proposed easement and is for the exclusive use of Chevron U.S.A. Inc. or their assigns.
This plat meets the requirements of New Mexico Administrative Code Section 12.8.2.12.

NOTE:
Basis of Bearings is the North American Datum of 1927, New Mexico East Zone, US Survey Feet.
All bearing, distances, area, and coordinates are Grid Values.

C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
04/05/2023 LLL	Revised/Added Easements
04/21/2023 LLL	Added Inset and 10' Cluster Edges
04/26/2023 LLL	Revised Easements (B) & (D)/reflect new standards

DRAWN BY: LLL | PROJ. MGR.: ECF
DATE: 03/20/2023
JOB#: 222545700 | SHEET 3 OF 3

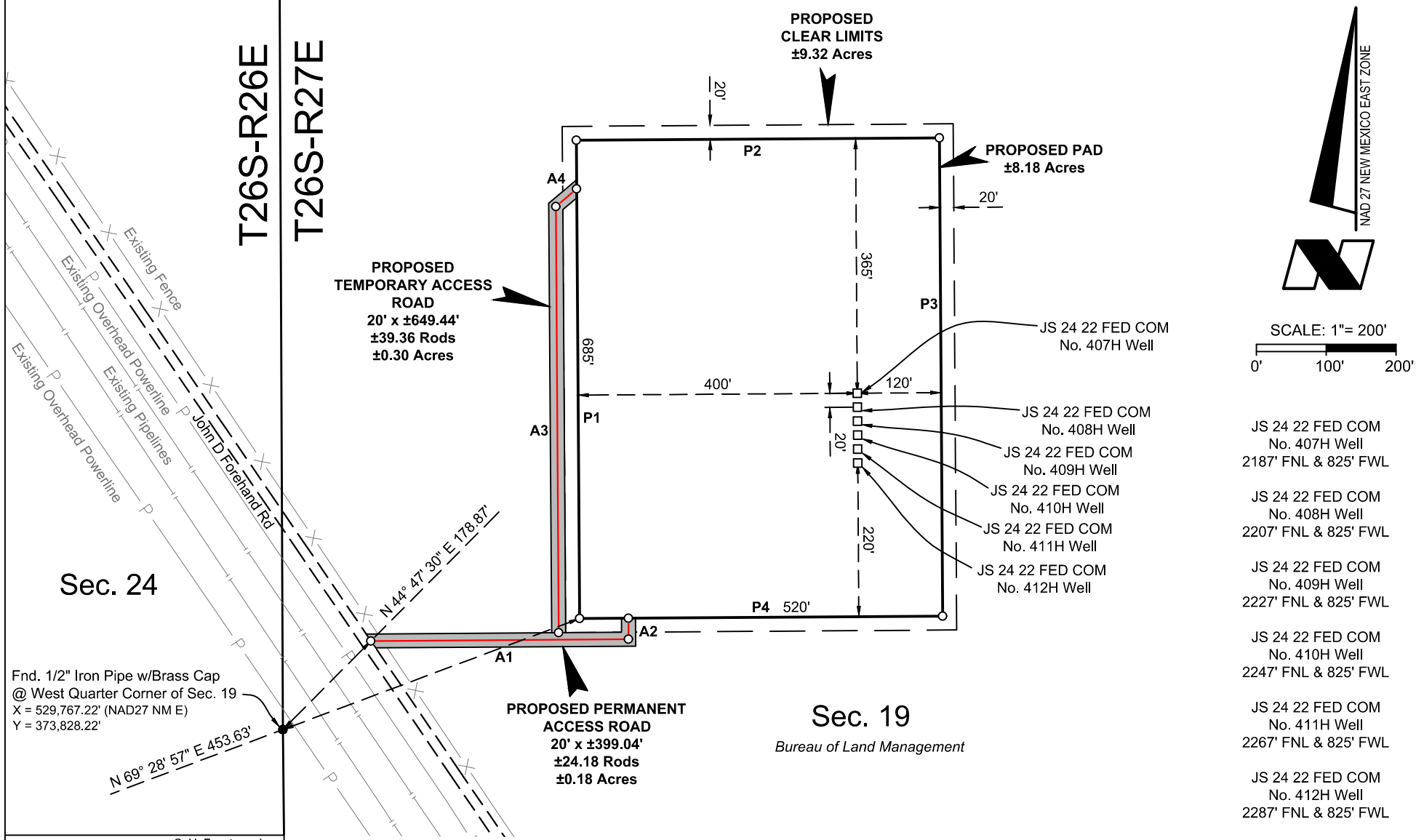
ROBERT L. LASTRAPES NEW MEXICO 23006 04/27/2023 PROFESSIONAL SURVEYOR

I, Robert L. Lastrapes, New Mexico Professional Surveyor No. 23006, do hereby certify that this Boundary Survey Plat and the actual survey on the ground upon which it is based were performed by me or under my supervision; that I am responsible for this survey; that this survey meets the Minimum Standards for Surveying in New Mexico; and that it is true and correct to the best of my knowledge and belief. I further certify that this survey is not a land division or subdivision as defined in New Mexico Subdivision Act.
Robert L. Lastrapes PS No. 23006 Date:04/27/2023

PIPELINE/EDS PLAT
JS 24 22 FED COM
CHEVRON U.S.A. INC.
PROPOSED FLOWLINES, GAS LIFT LINE, EDS LINE, WATER LINE
SITUATED IN
SECTIONS 24 & 25, T26S-R26E
& SECTION 19, T26S-R27E
EDDY COUNTY, NEW MEXICO

J:\2022\22545700\DWG\JS 24 22 FED COM Pipeline-EDS Plat_R3.dwg

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JS 24 22 FED COM
No. 407H Well
2187' FNL & 825' FWL

JS 24 22 FED COM
No. 408H Well
2207' FNL & 825' FWL

JS 24 22 FED COM
No. 409H Well
2227' FNL & 825' FWL

JS 24 22 FED COM
No. 410H Well
2247' FNL & 825' FWL

JS 24 22 FED COM
No. 411H Well
2267' FNL & 825' FWL

JS 24 22 FED COM
No. 412H Well
2287' FNL & 825' FWL

FENSTERMAKER
C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
01/12/2023 LLL	Expanded pad size; revised temp. access; shifted wells North
02/01/2023 LLL	Shifted wells South
02/06/2023 LLL	Revised well names

DRAWN BY: LLL	PROJ. MGR.: ECF
DATE: 12/13/2022	
JOB#: 2225457.00C	SHEET 1 OF 2

FOR THE EXCLUSIVE USE OF CHEVRON U.S.A. INC.
I, Robert L. Lastrapes, Professional Surveyor, do hereby state the above plat to be true and correct to the best of my knowledge.

ROBERT L. LASTRAPES
NEW MEXICO
23006
PROFESSIONAL SURVEYOR

Robert L. Lastrapes 03/07/2023
Professional Surveyor
Registration No. 23006

LEGEND
- Proposed Pad
- Proposed Access Road CL
- Existing Road
- Existing Powerline
- Existing Pipeline
- Existing Fence
- Township/Range Line
- Fnd. Monument
- Existing Power Pole

PAD PLAT
JS 24 22 FED COM
CHEVRON U.S.A. INC.
PROPOSED PAD AND ACCESS ROADS
SITUATED IN
SECTION 19, T26S-R27E
EDDY COUNTY, NEW MEXICO

T:\2022\2225457\DWG\JS 24 22 FED COM PAD PLAT.dwg

Released to Imaging: 8/14/2026 4:51:24 PM
Received by OCD: 6/22/2026 3:28:06 PM

NW PAD CORNER
X = 530,187' (NAD27 NM E)
Y = 374,672'
LAT. 32.030051° N (NAD27)
LONG. 104.235921° W
X = 571,371' (NAD83/86 NM E)
Y = 374,729'
LAT. 32.030173° N (NAD83/86)
LONG. 104.236416° W
ELEV. +3353' (NAVD88)

NE PAD CORNER
X = 530,707' (NAD27 NM E)
Y = 374,676'
LAT. 32.030059° N (NAD27)
LONG. 104.234243° W
X = 571,891' (NAD83/86 NM E)
Y = 374,732'
LAT. 32.030181° N (NAD83/86)
LONG. 104.234738° W
ELEV. +3361' (NAVD88)

NW CLEAR LIMITS
X = 530,167' (NAD27 NM E)
Y = 374,692'
LAT. 32.030106° N (NAD27)
LONG. 104.235986° W
X = 571,351' (NAD83/86 NM E)
Y = 374,749'
LAT. 32.030227° N (NAD83/86)
LONG. 104.236481° W

NE CLEAR LIMITS
X = 530,727' (NAD27 NM E)
Y = 374,696'
LAT. 32.030115° N (NAD27)
LONG. 104.234179° W
X = 571,911' (NAD83/86 NM E)
Y = 374,753'
LAT. 32.030236° N (NAD83/86)
LONG. 104.234674° W

SW PAD CORNER
X = 530,192' (NAD27 NM E)
Y = 373,987'
LAT. 32.028168° N (NAD27)
LONG. 104.235908° W
X = 571,376' (NAD83/86 NM E)
Y = 374,044'
LAT. 32.028290° N (NAD83/86)
LONG. 104.236403° W
ELEV.+3364' (NAVD88)

SE PAD CORNER
X = 530,712' (NAD27 NM E)
Y = 373,991'
LAT. 32.028176° N (NAD27)
LONG. 104.234230° W
X = 571,896' (NAD83/86 NM E)
Y = 374,047'
LAT. 32.028298° N (NAD83/86)
LONG. 104.234724° W
ELEV. +3368' (NAVD88)

SW CLEAR LIMITS
X = 530,172' (NAD27 NM E)
Y = 373,967'
LAT. 32.028112° N (NAD27)
LONG. 104.235972° W
X = 571,356' (NAD83/86 NM E)
Y = 374,024'
LAT. 32.028234° N (NAD83/86)
LONG. 104.236467° W

SE CLEAR LIMITS
X = 530,732' (NAD27 NM E)
Y = 373,971'
LAT. 32.028122° N (NAD27)
LONG. 104.234165° W
X = 571,916' (NAD83/86 NM E)
Y = 374,028'
LAT. 32.028243° N (NAD83/86)
LONG. 104.234660° W

PROPOSED PAD		
Line	**Bearing**	**Distance**
P1	N 00° 23' 37" W	685.0'
P2	N 89° 36' 23" E	520.0'
P3	S 00° 23' 37" E	685.0'
P4	S 89° 36' 23" W	520.0'

PROPOSED PERMANENT ACCESS ROAD CL		
Line	**Bearing**	**Distance**
A1	N 89° 36' 23" E	369.04'
A2	N 00° 23' 37" W	30.00'

PROPOSED TEMPORARY ACCESS ROAD CL		
Line	**Bearing**	**Distance**
A3	N 00° 23' 37" W	610.45'
A4	N 49° 54' 58" E	38.99'

JS 24 22 FED COM NO. 407H WELL
X = 530,590' (NAD27 NM E)
Y = 374,310'
LAT. 32.029054° N (NAD27)
LONG. 104.234624° W
X = 571,773' (NAD83/86 NM E)
Y = 374,367'
LAT. 32.029176° N (NAD83/86)
LONG. 104.235118° W
ELEV. +3364' (NAVD88)

JS 24 22 FED COM NO. 408H WELL
X = 530,590' (NAD27 NM E)
Y = 374,290'
LAT. 32.028999° N (NAD27)
LONG. 104.234623° W
X = 571,774' (NAD83/86 NM E)
Y = 374,347'
LAT. 32.029121° N (NAD83/86)
LONG. 104.235118° W
ELEV. +3365' (NAVD88)

JS 24 22 FED COM NO. 409H WELL
X = 530,590' (NAD27 NM E)
Y = 374,270'
LAT. 32.028944° N (NAD27)
LONG. 104.234623° W
X = 571,774' (NAD83/86 NM E)
Y = 374,327'
LAT. 32.029066° N (NAD83/86)
LONG. 104.235117° W
ELEV. +3365' (NAVD88)

JS 24 22 FED COM NO. 410H WELL
X = 530,590' (NAD27 NM E)
Y = 374,250'
LAT. 32.028889° N (NAD27)
LONG. 104.234622° W
X = 571,774' (NAD83/86 NM E)
Y = 374,307'
LAT. 32.029011° N (NAD83/86)
LONG. 104.235117° W
ELEV. +3365' (NAVD88)

JS 24 22 FED COM NO. 411H WELL
X = 530,590' (NAD27 NM E)
Y = 374,230'
LAT. 32.028834° N (NAD27)
LONG. 104.234622° W
X = 571,774' (NAD83/86 NM E)
Y = 374,287'
LAT. 32.028956° N (NAD83/86)
LONG. 104.235116° W
ELEV. +3365' (NAVD88)

JS 24 22 FED COM NO. 412H WELL
X = 530,591' (NAD27 NM E)
Y = 374,210'
LAT. 32.028779° N (NAD27)
LONG. 104.234622° W
X = 571,774' (NAD83/86 NM E)
Y = 374,267'
LAT. 32.028901° N (NAD83/86)
LONG. 104.235116° W
ELEV. +3365' (NAVD88)

DISCLAIMER: At this time, C. H. Fenstermaker & Associates, L.L.C. has not performed nor was asked to perform any type of engineering, hydrological modeling, flood plain, or "No Rise" certification analyses, including but not limited to determining whether the project will impact flood hazards in connection with federal/FEMA, state, and/or local laws, ordinances and regulations. Accordingly, Fenstermaker makes no warranty or representation of any kind as to the foregoing issues, and persons or entities using this information shall do so at their own risk.

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NOTE:
Many states maintain information centers that establish links between those who dig (excavators) and those who own and operate underground facilities (operators). It is advisable and in most states, law, for the contractor to contact the center for assistance in locating and marking underground utilities. For guidance, New Mexico One Call www.nm811.org

NOTE:
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C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
01/12/2023 LLL	Expanded pad size; revised temp. access; shifted wells North
02/01/2023 LLL	Shifted wells South
02/06/2023 LLL	Revised well names

DRAWN BY: LLL	PROJ. MGR.: ECF
DATE: 12/13/2022	
JOB#: 2225457.00C	SHEET 2 OF 2

FOR THE EXCLUSIVE USE OF
CHEVRON U.S.A. INC.
I, Robert L. Lastrapes, Professional Surveyor, do hereby state the above plat to be true and correct to the best of my knowledge.

ROBERT L. LASTRAPES 23006 PROFESSIONAL SURVEYOR

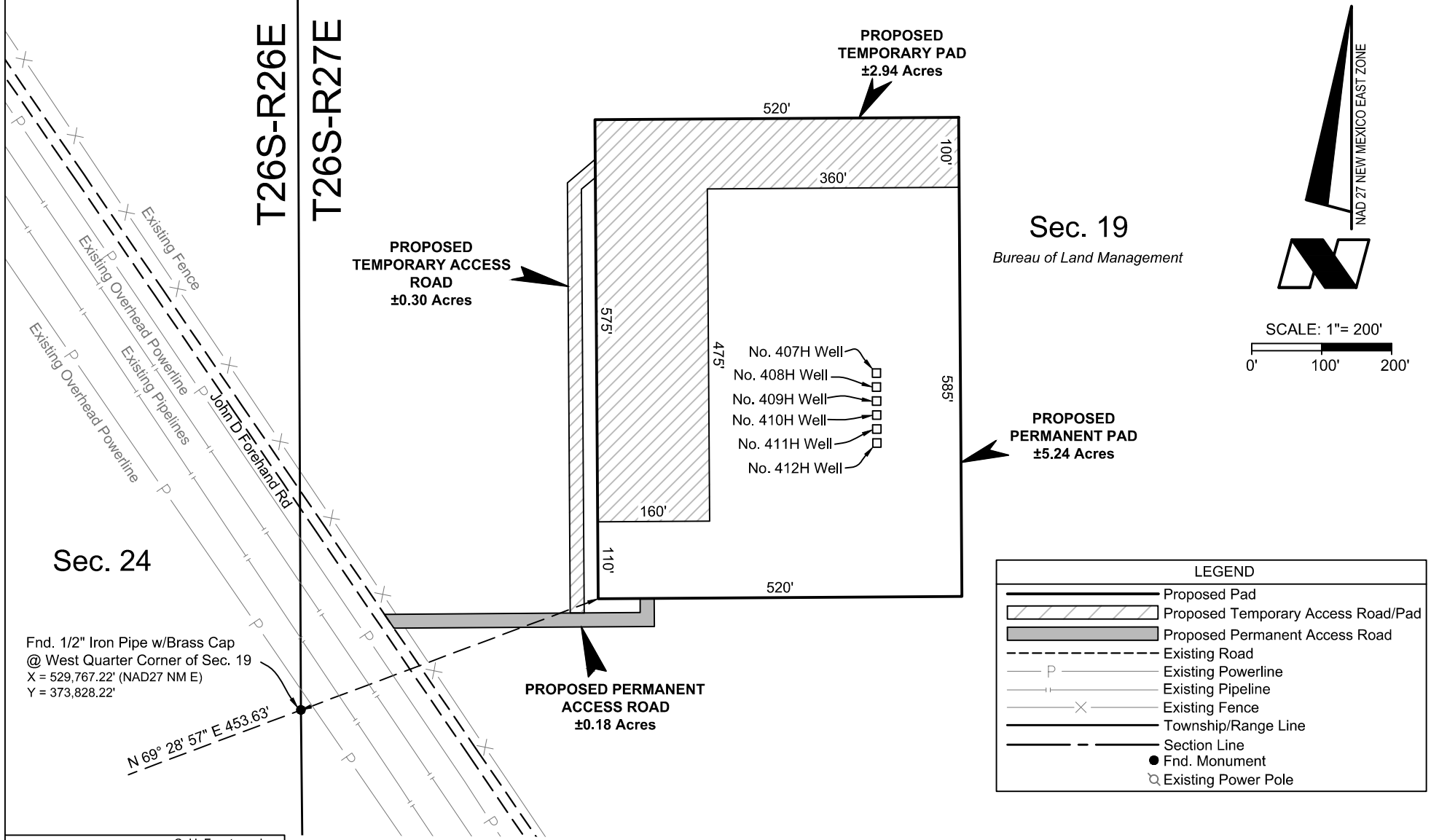
Robert L. Lastrapes
Professional Surveyor
Registration No. 23006

03/07/2023

PAD PLAT
JS 24 22 FED COM
CHEVRON U.S.A. INC.
PROPOSED PAD AND ACCESS ROADS
SITUATED IN
SECTION 19, T26S-R27E
EDDY COUNTY, NEW MEXICO

T:\2022\2225457\DWG\JS 24 22 FED COM PAD PLAT.dwg

Released to Imaging: 8/14/2026 4:51:24 PM
Received by OCD: 6/22/2026 3:28:06 PM



C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
02/02/2023 LLL	Shifted wells South
02/06/2023 LLL	Revised pad name

DRAWN BY: LLL	PROJ. MGR.: ECF
DATE: 01/25/2023	
JOB#: 2225457.00C	SHEET 1 OF 2

FOR THE EXCLUSIVE USE OF CHEVRON U.S.A. INC.
I, Robert L. Lastrapes, Professional Surveyor, do hereby state the above plat to be true and correct to the best of my knowledge.

ROBERT L. LASTRAPES
NEW MEXICO
23006
PROFESSIONAL SURVEYOR

Robert L. Lastrapes
Professional Surveyor
Registration No. 23006
03/07/2023

INTERIM RECLAMATION PLAT
JS 24 22 FED COM
CHEVRON U.S.A. INC.
SITUATED IN
SECTION 19, T26S-R27E
EDDY COUNTY, NEW MEXICO

T:\2022\2225457\DWG\JS 24 22 FED COM IR.dwg

Released to Imaging: 8/14/2026 4:51:24 PM
Received by OCD: 6/22/2026 3:28:06 PM

NW PAD CORNER
X = 530,187' (NAD27 NM E)
Y = 374,672'
LAT. 32.030051° N (NAD27)
LONG. 104.235921° W
X = 571,371' (NAD83/86 NM E)
Y = 374,729'
LAT. 32.030173° N (NAD83/86)
LONG. 104.236416° W
ELEV. +3353' (NAVD88)

NE PAD CORNER
X = 530,707' (NAD27 NM E)
Y = 374,676'
LAT. 32.030059° N (NAD27)
LONG. 104.234243° W
X = 571,891' (NAD83/86 NM E)
Y = 374,732'
LAT. 32.030181° N (NAD83/86)
LONG. 104.234738° W
ELEV. +3361' (NAVD88)

SW PAD CORNER
X = 530,192' (NAD27 NM E)
Y = 373,987'
LAT. 32.028168° N (NAD27)
LONG. 104.235908° W
X = 571,376' (NAD83/86 NM E)
Y = 374,044'
LAT. 32.028290° N (NAD83/86)
LONG. 104.236403° W
ELEV.+3364' (NAVD88)

SE PAD CORNER
X = 530,712' (NAD27 NM E)
Y = 373,991'
LAT. 32.028176° N (NAD27)
LONG. 104.234230° W
X = 571,896' (NAD83/86 NM E)
Y = 374,047'
LAT. 32.028298° N (NAD83/86)
LONG. 104.234724° W
ELEV. +3368' (NAVD88)

DISCLAIMER: At this time, C. H. Fenstermaker & Associates, L.L.C. has not performed nor was asked to perform any type of engineering, hydrological modeling, flood plain, or "No Rise" certification analyses, including but not limited to determining whether the project will impact flood hazards in connection with federal/FEMA, state, and/or local laws, ordinances and regulations. Accordingly, Fenstermaker makes no warranty or representation of any kind as to the foregoing issues, and persons or entities using this information shall do so at their own risk.

NOTE:
Please be advised, that while reasonable efforts are made to locate and verify pipelines and anomalies using our standard pipeline locating equipment, it is impossible to be 100 % effective. As such, we advise using caution when performing work as there is a possibility that pipelines and other hazards, such as fiber optic cables, PVC pipelines, etc. may exist undetected on site.

NOTE:
Many states maintain information centers that establish links between those who dig (excavators) and those who own and operate underground facilities (operators). It is advisable and in most states, law, for the contractor to contact the center for assistance in locating and marking underground utilities. For guidance, New Mexico One Call www.nm811.org

NOTE:
This plat represents a limited survey made on the ground on February 1, 2023 for construction purposes and is for the exclusive use of Chevron U.S.A. Inc. This plat does not represent a boundary survey. Boundary lines and monuments depicted hereon are for reference purposes only. The basis of bearings of this survey is the New Mexico Coordinate System of 1927, East Zone. All bearings, distances, areas and coordinates shown hereon are grid.

C. H. Fenstermaker
& Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
02/02/2023 LLL	Shifted wells South
02/06/2023 LLL	Revised pad name

DRAWN BY: LLL	PROJ. MGR.: ECF
DATE: 01/25/2023	
JOB#: 2225457.00C	SHEET 2 OF 2

FOR THE EXCLUSIVE USE OF
CHEVRON U.S.A. INC.
I, Robert L. Lastrapes, Professional Surveyor, do hereby state the above plat to be true and correct to the best of my knowledge.

ROBERT L. LASTRAPES
23006
PROFESSIONAL SURVEYOR

Robert L. Lastrapes 03/07/2023
Professional Surveyor
Registration No. 23006

INTERIM RECLAMATION PLAT
JS 24 22 FED COM
CHEVRON U.S.A. INC.
SITUATED IN
SECTION 19, T26S-R27E
EDDY COUNTY, NEW MEXICO

T:\2022\2225457\DWG\JS 24 22 FED COM IR.dwg

CHEVRON U.S.A. Inc
JS Pad 2 - JS 24 22 FED COM ("Package 2")
NMNM 113943 (FTP); NMNM 113942 (LTP)
Jumping Spring Development Area (JDA) Master Development Plan
SHL-SWNW SECTION 19, T26S-R27E BHL- NWNW SECTION 22, T26S, R26E

APD Surface Use Plan of Operations

This Surface Use Plan of Operations has been designed to be reviewed in conjunction with Jumping Spring Development Area (JDA) Master Development Plan

HDA Master Development Plan Reference Table
The contents referenced below apply to all HDA APD's

Existing Roads	Exhibit 1, MDP SUPO Page 1
Construction Materials	MDP SUPO Page 6
Methods for Handling Waste	MDP SUPO Page 6
Reclamation Objectives	MDP SUPO Page 6-8
Final Surface Reclamation	MDP SUPO Page 6-8

Driving Directions

- Driving Directions – From Carlsbad, NM. The location is approximately 35 miles from Carlsbad, NM
  - Highway 285 from Carlsbad: proceed south on Highway 285 (Pecos Hwy) for approximately 29 miles and turn right (west) onto Whites City Rd (CR 724). Travel west on Whites City Road for roughly 11 miles. Turn left (south) onto CR 748/John D. Forehand Rd for approximately three miles. Access road on west side of road.
  - US-62 from Carlsbad: take US-62 W for approximately 15 miles and turn left (east) onto Black River Village Rd. Turn right (south) at the intersection of Black River Village Rd and CR 748. Travel approximately 15 miles south on CR 748/John D. Forehand Rd, accessing pad on west side of road.

New or Reconstructed Access Roads – (MDP SUPO Pg. 1)

- New access proposed includes 1,048.48' (63.54 rods – .48 ac) of new road construction 20-24' in width
- Permanent Access – 399.04' (24.18 rods - .18 ac) | Temporary Access – 649.44' (39.36 rods - .30 ac)
- Ditches: See MDP SUPO
- Culverts: See MDP SUPO
- Road Cuts: See MDP SUPO

CHEVRON U.S.A. Inc
JS Pad 2 - JS 24 22 FED COM ("Package 2")
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SHL-SWNW SECTION 19, T26S-R27E BHL- NWNW SECTION 22, T26S, R26E

Location of Existing Wells

- 1-Mile radius map is attached

Location of Proposed Production Facilities (MDP SUPO Pg. 2)

- Facilities: Production Facilities are proposed in the NW4 and NE4 of Sec. 25, T26S-R27E where oil and gas sales will take place.
  - The Central Tank Battery is proposed in the NE4 of S25 T26S-R27E.
  - Oil sales will take place at proposed tank battery.
  - Compression facilities are proposed in NW4 S25 T26S-R27E.
    - Electric Compression – Substation Proposed (see Ancillary Facilities)
  - Gas purchaser pipeline is in place at the compression facilities.
  - Open top tanks or open containments will be netted.
  - Open vent exhaust stacks will be modified to prevent birds or bats from entering, discourage perching, roosting, and nesting.
  - Facilities will have a secondary containment 1.5 times the holding capacity of largest storage tank.
  - All above ground structures will be painted non-reflective shale green for blending with surrounding environment.
- Pipelines & Utilities: See Attached Detail
  - Pipelines/Powerlines Include:
    - 50' pipeline ROW (8,308.66' – 503.55 rods – 9.66 ac) containing:
      - 10 x 4" Carbon Steel Flowlines
    - 50' pipeline/gas lift ROW (7,646.48' – 463.43 rods – 9.14 ac) containing:
      - 10 x 4" Carbon Steel Flowlines
      - 4" Sch 80 HP Steel Gas Lift line
    - 50' powerline/ waterline ROW (4,516.03' – 273.70 rods – 5.18 ac) containing:
      - Overhead Electric Transmission Line
      - Co-located aerial fiber optic cable
      - Temporary Water Line (if needed)
  - 20' Temporary workspace will be utilized where possible on one or both sides of ROWs
  - Rights-of-Way will be required and applications accompany this APD

Location and Types of Water Supply (MDP SUPO Pg. 5,)

- Water (fresh and/or recycled) will be pulled from ponds in Sections 24, T26S-R2E will be utilized for frac water.

- Fresh/Recycled water may also be pulled directly from recycle-on-the-fly units located in the JSDA.
- Water will be transferred with a temporary water transfer line:
  - ~4,516.03' of layflat water line
  - Will follow BLM Temporary Water Policy

Construction Materials (MDP SUPO Pg. 6)

- Caliche will be used from Chevron-owned pit in Section 16, T26S R27E, or BLM/private caliche pit in vicinity

Well Site Layout (Well Plat)

- Surveyor Plat
  - Exterior well pad dimensions are 685' x 520'
  - Interior well pad dimensions from point of entry (well head) are shown on attached well plats. Total disturbance area needed for construction of well pad will be approximately 8.18 acres
  - Topsoil placement is on the west where interim reclamation is planned to be completed upon completion of well and evaluation of best management practices.
  - Cut and fill: see attached cut/fill diagram.
- Rig Layout (attached)

Plans for Surface Reclamation (MDP SUPA Pg. 8)

Interim Reclamation Procedures

- Reclaimed pad size: 475' x 360' (approximately 5.24 acres)
- See Exhibit for reclaimed pad layout, topsoil location & erosion control features

Surface Ownership

- BLM Surface
  - Surface Tenant – Forehand Ranches
- **Nearest Post Office:** Malaga Post Office; 14 Miles north

Other Information

- On-site performed by BLM NRS: Paul Murphy 12/20/2022
- Cultural report attached: **MDP** Participating Agreement attached: N/A

Chevron Representatives

Primary point of contact:
Cody Gilliam

CHEVRON U.S.A. Inc
JS Pad 2 - JS 24 22 FED COM (“Package 2”)
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codygilliam@chevron.com
O- 432-687-7147
M- 412-779-8262

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

PWD Data Report
06/22/2026

APD ID: 10400092266 **Submission Date:** 05/15/2023

Operator Name: CHEVRON USA INCORPORATED

Well Name: JS 24 22 FED COM **Well Number:** 411H

Well Type: CONVENTIONAL GAS 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:

PWD surface owner: **PWD disturbance (acres):**

Other PWD Surface Owner Description:

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit

Pit liner description:

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

Operator Name: CHEVRON USA INCORPORATED

Well Name: JS 24 22 FED COM **Well Number:** 411H

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:**

Other PWD Surface Owner Description:

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):

Precipitated Solids Permit

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

Operator Name: CHEVRON USA INCORPORATED

Well Name: JS 24 22 FED COM **Well Number:** 411H

State

Unlined Produced Water Pit Estimated

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

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):**

Other PWD Surface Owner Description:

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):**

Other PWD Surface Owner Description :

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:

Operator Name: CHEVRON USA INCORPORATED

Well Name: JS 24 22 FED COM **Well Number:** 411H

Section 6 -

Would you like to utilize Other PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

PWD Surface Owner Description:

Other PWD discharge volume (bbl/day):

Other PWD type description:

Other PWD type

Have other regulatory requirements been met?

Other regulatory requirements

AFMSS

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

Bond Info Data

06/22/2026

APD ID: 10400092266 **Submission Date:** 05/15/2023

Operator Name: CHEVRON USA INCORPORATED

Well Name: JS 24 22 FED COM **Well Number:** 411H

Well Type: CONVENTIONAL GAS WELL **Well Work Type:** Drill

Highlighted data reflects the most recent changes

Show Final Text

Bond

Federal/Indian APD: FED

BLM Bond number: ES0022

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 attachment:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment:

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

General Information
Phone: (505) 629-6116

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

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

ACKNOWLEDGMENTS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 598124
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

ACKNOWLEDGMENTS

☑	I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well.

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 598124
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
carol adler	Cement is required to circulate on both surface and intermediate1 strings of casing.	6/22/2026
carol adler	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.	6/22/2026
ward.rikala	Notify the OCD 24 hours prior to casing & cement.	8/13/2026
ward.rikala	File As Drilled C-102 and a directional Survey with C-104 completion packet.	8/13/2026
ward.rikala	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.	8/13/2026
ward.rikala	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.	8/13/2026
ward.rikala	If the method of isolation was not by circulation, a CBL must be performed; if strata isolation is not achieved, then remediation will be required before further operations.	8/13/2026