DAGGER LAKE 15 22 OGOPOGO FED COM TEMPORARY PIT [fVV2112641752]

C-144/ Permit Approval with Conditions

[4323] CHEVRON USA INC

May 25, 2021

Venegas, Victoria, EMNRD

From: Venegas, Victoria, EMNRD
Sent: Tuesday, May 25, 2021 1:49 PM
To: 'Vallejo, Tony'; 'JonathonFisher@chevron.com'; Barr, Leigh P EMNRD; Bratcher, Mike, EMNRD
Cc: Hernandez, Emily, EMNRD; Enviro, OCD, EMNRD
Subject: DAGGER LAKE 15 22 OGOPOGO FED COM TEMPORARY PIT [fVV2112641752]. Permit Approval with Conditions
Attachments: C-144 DAGGER LAKE 15 22 OGOPOGO FED COM [fVV2112641752].pdf

DAGGER LAKE 15 22 OGOPOGO FED COM TEMPORARY PIT [fVV2112641752]. Permit Approval with Conditions

Good afternoon Mr. Vallejo,
NMOCD has reviewed [4323] CHEVRON USA INC, Application and Form C-144 received on March 9, 2021, for the proposed DAGGER LAKE 15 22 OGOPOGO FED COM [fVV2112641752] Reserve Pit, in Unit Letter I, Section 10, Township 22S, Range 33E, Lea County, New Mexico. [4323] CHEVRON USA INC shall use the facility identification [fVV2112641752] in all communications with OCD regarding DAGGER LAKE 15 22 OGOPOGO FED COM [fVV2112641752].

[4323] CHEVRON USA INC in the Application requested the following two variances from the requirements of 19.15.17 NMAC – Pits, Closed-Loop Systems, Below-Grade Tanks and Sumps:

1. [4323] CHEVRON USA INC proposes a timeline based on the date of the first occurrence of Rig Down Move Out (RDMO). RDMO is defined as the activity when the drilling rig is moved off location. Typically, RDMO occurs after the completion of drilling the last well on the pad. On pads where the Operator plans to return to the pad, multiple RDMO dates occur. This variance does not consider subsequent RDMO affecting the closure timeline dates after the first RDMO. The Operator proposes dewatering the pit within 30 days of RDMO and proposes closing the pits within 1 year of RDMO.

2. [4323] CHEVRON USA INC proposes the use of 40-mil High-Density Polyethylene (HDPE) Liner for Temporary Pit in lieu of 20 mil string reinforced Linear Low-Density Polyethylene (LLDPE) Liner.

Subject to the conditions specified below, NMOCD approves the following variances:

1. The variance from 19.15.17.7.R NMAC, which requires that a pit be closed no later than six (6) months after removal of the drilling or workover rig from the first well using the pit.

2. The variance from 19.15.17.11.F.3 NMAC, which requires the pit to be equipped with a of 20- mil string reinforced LLDPE or equivalent liner material that the appropriate division district office approves.

[4323] CHEVRON USA INC shall comply with the following conditions of approval. Failure to comply with these conditions of approval may result in an enforcement action, including the assessment of civil penalties.

1. [4323] CHEVRON USA INC may use the Pit for three (3) wells drilled from the DAGGER LAKE 15 22 OGOPOGO FED COM [fVV2112641752] pad.

2. [4323] CHEVRON USA INC shall use the facility identification number fSL2026739946 in all communications with OCD regarding the DAGGER LAKE 15 22 OGOPOGO FED COM [fVV2112641752] Pit.

3. [4323] CHEVRON USA INC shall design, construct, operate, maintain, and close the DAGGER LAKE 15 22 OGOPOGO FED COM [fVV2112641752] Pit in compliance with 19.15.17 NMAC - Pits, Closed-Loop Systems, Below-Grade-Tanks and Sumps.

4. The design and construction plan, included as Appendix D of the Application, is approved. [4323] CHEVRON USA INC shall design and construct the Pit as described in the approved plan. [4323] CHEVRON USA INC shall apply for a permit modification for any change to the plan.

5. The closure plan, included as Appendix F of the Application, is approved. [4323] CHEVRON USA INC shall close the Pit as described in the approved plan. [4323] CHEVRON USA INC shall apply for a permit modification for any change to the plan.

6. Prior to commencing construction of the DAGGER LAKE 15 22 OGOPOGO FED COM [fVV2112641752] Pit, [4323] CHEVRON USA INC shall submit to OCD a Form C-102, including a certified survey, as required by 19.15.17.9(C)(2) NMAC via OCD Online.

7. [4323] CHEVRON USA INC shall inspect DAGGER LAKE 15 22 OGOPOGO FED COM [fVV2112641752] Pit at least once per month during construction for compliance with the approved design and construction plan. [4323] CHEVRON USA INC shall maintain a log of each inspection and provide a copy of the log through OCD Online for each quarter beginning fifteen days (15) after the end of the quarter during construction.

8. If [4323] CHEVRON USA INC encounters a void or collapse during construction, operation, maintenance, or closure of the Pit, [4323] CHEVRON USA INC shall immediately cease the activity, notify OCD through OCD Online, within twenty-four (24) hours, and take corrective action approved by OCD.

9. [4323] CHEVRON USA INC shall install a 40-mil HDPE liner as described in the permit application and will be installed in accordance with 19.15.17.11.F NMAC.

10. No later than seventy-two (72) hours prior to installing the 40-mil HDPE liner, [4323] CHEVRON USA INC shall notify the OCD through OCD Online.

11. [4323] CHEVRON USA INC shall inspect DAGGER LAKE 15 22 OGOPOGO FED COM [fVV2112641752] Pit at least once per day for liner integrity, freeboard height, fluid level, debris, migratory birds and other wildlife, and releases while the drilling or workover rig is on location, and once per week after removal of the rig but prior to dewatering the DAGGER LAKE 15 22 OGOPOGO FED COM [fVV2112641752] Pit. [4323] CHEVRON USA INC shall maintain a log of each inspection and provide a copy of the log through OCD Online for each quarter beginning fifteen days (15) after the end of the quarter during construction.

12. [4323] CHEVRON USA INC shall maintain no less than two (2) feet of freeboard at the Pit at all times.

13. [4323] CHEVRON USA INC shall construct and maintain a fence around the perimeter of the DAGGER LAKE 15 22 OGOPOGO FED COM [fVV2112641752] Pit at all times after the completion of construction.

14. No later than thirty (30) days after the date of any of the following events, [4323] CHEVRON USA INC shall drain and dewater the DAGGER LAKE 15 22 OGOPOGO FED COM [fVV2112641752] Pit:

    a. The release of the drilling or workover rig from the last well as reported to the OCD on Form C-105; or
    b. The removal of the drilling or workover rig from the pad if the well is not completed; or
    c. If the drilling or workover rig is located at the pad, one hundred eight one (181) days after the rig became inactive.

15. No later than six (6) months after the date of any of the following events, [4323] CHEVRON USA INC shall close the DAGGER LAKE 15 22 OGOPOGO FED COM [fVV2112641752] Pit:

    a. The release of the drilling or workover rig from the last well as reported to the OCD on Form C-105; or
    b. The removal of the drilling or workover rig from the pad if the well is not completed; or
    c. If the drilling or workover rig is located at the pad, one hundred eight one (181) days after the rig became inactive.

16. [4323] CHEVRON USA INC shall submit a plan to sample and analyze the contents of the DAGGER LAKE 15 22 OGOPOGO FED COM [fVV2112641752] Pit to OCD via OCD Online. Chevron shall not commence sampling or analysis prior to receipt of OCD's written approval.

17. After [4323] CHEVRON USA INC drains and dewaters the DAGGER LAKE 15 22 OGOPOGO FED COM [fVV2112641752] Pit, it shall inspect the Pit for liner integrity, fluid level, debris, migratory birds and other wildlife, and releases once per week until the installation of the top geomembrane cover and the placement of the cover soils in accordance with the closure plan. [4323] CHEVRON USA INC shall maintain a log of each inspection and provide a copy of the log to OCD via OCD Online for each quarter beginning fifteen days (15) days after the end of the quarter in which the Pit is dewatered and drained. If [4323] CHEVRON USA INC observes fluid in the Pit during an inspection, it shall notify OCD's Environmental Bureau at through OCD Online, remove the fluid immediately, and submit a report characterizing the nature, volume, and source of the fluid via OCD Online.

18. After [4323] CHEVRON USA INC has drained and dewatered the DAGGER LAKE 15 22 OGOPOGO FED COM [fVV2112641752] Pit, Chevron shall not discharge fluid into the Pit for any purpose except for an emergency as provided in 19.15.17.14 NMAC.

19. [4323] CHEVRON USA INC shall comply with 19.15.29 NMAC - Releases for any release related to or associated with the DAGGER LAKE 15 22 OGOPOGO FED COM [fVV2112641752] Pit.

20. No later than seventy-two (72) hours prior to installing the top geomembrane cover and cover soil on the DAGGER LAKE 15 22 OGOPOGO FED COM [fVV2112641752] Pit, [4323] CHEVRON USA INC shall notify the OCD via OCD Online.

This communication constitutes OCD's conditions of approval of the variances. Please reference Facility Number [fVV2112641752] in all future communications related to DAGGER LAKE 15 22 OGOPOGO FED COM. Please keep a copy of this electronic communication for your files, as no paper copy of the approval will be delivered. A copy of this electronic communication can be found in the Facility file [fVV2112641752] on OCD Imaging at:
https://ocdimage.emnrd.state.nm.us/imaging/FacilityFileView.aspx?facility=fVV2112641752

Please let me know if you any additional questions or concerns.
Sincerely,

Victoria Venegas ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
811S. First St. | Artesia, NM 88210
(575) 909-0269 | Victoria.Venegas@state.nm.us
http://www.emnrd.state.nm.us/OCD/


STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-144
Revised April 3, 2017

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.
For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Type of action:
- ☐ Below grade tank registration
- ☒ Permit of a pit or proposed alternative method
- ☐ Closure of a pit, below-grade tank, or proposed alternative method
- ☐ Modification to an existing permit/or registration
- ☐ Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.
Operator: **Chevron USA Inc.** OGRID #: **4323**
Address: **6301 Deauville Blvd., Midland, TX 79706**
Facility or well name: **DL 15 22 Ogopogo Fed Com**
API Number: _____ OCD Permit Number: **Facility Number [fVV2112641752]**
U/L or Qtr/Qtr **I & J** Section **10** Township **22S** Range **33E** County: **Lea**
Center of Proposed Design: Latitude **32.405153** Longitude **-103.555794** NAD83
Surface Owner: ☐ Federal ☒ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.
☒ **Pit:** Subsection F, G or J of 19.15.17.11 NMAC
Temporary: ☒ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☐ yes ☐ no
☒ Lined ☐ Unlined Liner type: Thickness 40 mil ☐ LLDPE ☒ HDPE ☐ PVC ☐ Other _____
☐ String-Reinforced
Liner Seams: ☒ Welded ☐ Factory ☐ Other _____ Volume: **2 x 25,000 bbl** Dimensions: L **313 ft** x W **244 ft** x D **10 ft**

3.
☐ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC
Volume: _____bbl Type of fluid: _____
Tank Construction material: _____
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other _____
Liner type: Thickness _____mil ☐ HDPE ☐ PVC ☐ Other _____

4.
☐ **Alternative Method:**
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

5.
Fencing: Subsection D of 19.15.17.11 NMAC *(Applies to permanent pits, temporary pits, and below-grade tanks)*
☐ Chain link, six feet in height, two strands of barbed wire at top *(Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)*
☒ Four foot height, four strands of barbed wire evenly spaced between one and four feet
☐ Alternate. Please specify_____

6.

Netting: Subsection E of 19.15.17.11 NMAC *(Applies to permanent pits and permanent open top tanks)*

☐ Screen ☐ Netting ☐ Other_____

☐ Monthly inspections (If netting or screening is not physically feasible)

7.

Signs: Subsection C of 19.15.17.11 NMAC

☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☒ Signed in compliance with 19.15.16.8 NMAC

8.

Variances and Exceptions:

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

☒ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. **See Variance Requests**

☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

9.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. **Siting criteria does not apply to drying pads or above-grade tanks.**

General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - ☐ NM Office of the State Engineer - iWATERS database search; ☐ USGS; ☐ Data obtained from nearby wells	☐ Yes ☐ No ☒ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit . - ☒ NM Office of the State Engineer - iWATERS database search; ☒ USGS; ☐ Data obtained from nearby wells See Appendices A, B, Figure 7	☐ Yes ☒ No ☐ NA
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. **(Does not apply to below grade tanks)** - Written confirmation or verification from the municipality; Written approval obtained from the municipality **See Figures 2 & 7**	☐ Yes ☒ No
Within the area overlying a subsurface mine. **(Does not apply to below grade tanks)** - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division **See Figure 4**	☐ Yes ☒ No
Within an unstable area. **(Does not apply to below grade tanks)** - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map **See Figures 6, 8, 9, Appendix G**	☐ Yes ☒ No
Within a 100-year floodplain. **(Does not apply to below grade tanks)** - FEMA map **See Figure 3**	☐ Yes ☒ No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lakebed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No

Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site **See Figure 6**	☐ Yes ☒ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image **See Figure 2**	☐ Yes ☒ No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site **See Appendices A, B, and Figures 1 & 2**	☐ Yes ☒ No
Within 300 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site **See Figures 2, 5, & 6**	☐ Yes ☒ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

10.
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☒ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC **See Appendix C**
☒ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC **Attached**
☒ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC **See Appendix D**
☒ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC **See Appendix E**
☒ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC **See Appendix F**

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

11.
Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ A List of wells with approved application for permit to drill associated with the pit.
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
☐ Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

12.
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Nuisance or Hazardous Odors, including H_2S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

13.
Proposed Closure: 19.15.17.13 NMAC **See Appendix F**
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

Type: ☒ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☐ Below-grade Tank ☐ Multi-well Fluid Management Pit ☐ Alternative

Proposed Closure Method:
- ☐ Waste Excavation and Removal
- ☐ Waste Removal (Closed-loop systems only)
- ☒ On-site Closure Method (Only for temporary pits and closed-loop systems)
  - ☐ In-place Burial ☐ On-site Trench Burial
- ☐ Alternative Closure Method

14.
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- ☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

15.
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC
Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells **See Appendices A & B, and Figure 7**	☐ Yes ☒ No ☐ NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells **See Appendices A & B, and Figure 7**	☐ Yes ☒ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells **See Appendices A & B, and Figure 7**	☒ Yes ☐ No ☐ NA
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site **See Figure 6**	☐ Yes ☒ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image **See Figure 2**	☐ Yes ☒ No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application.	☐ Yes ☒ No

- NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site **See Appendices A & B, and Figure 7**	
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☒ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site **See Figures 2, 5 & 6**	☐ Yes ☒ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality **See Figure 2**	☐ Yes ☒ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division **See Figure 4**	☐ Yes ☒ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map **See Figures 6, 8, & 9, Appendix G**	☐ Yes ☒ No
Within a 100-year floodplain. - FEMA map **See Figure 3**	☐ Yes ☒ No

16.
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☒ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC **Attached**
- ☒ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC
- ☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC
- ☒ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC **See Appendix D**
- ☒ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC **See Appendix F**
- ☒ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC **See Appendix F**
- ☒ Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC **See Appendix F**
- ☒ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved) **See Appendix F**
- ☒ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC **See Appendix F**
- ☒ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC **See Appendix F**
- ☒ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC **See Appendix F**

17.
Operator Application Certification:

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): Tony Vallejo Title: Sr. Work Force Safety & Environmental Specialist - Factory

Signature: Tony Vallejo Date: March 5, 2021

e-mail address: JVallejo@chevron.com Telephone: O: 432-687-7524 or C: 325-450-1413

18.
OCD Approval: ☒ Permit Application (including closure plan) ☐ Closure Plan (only) ☒ OCD Conditions (see attachment)

OCD Representative Signature: Victoria Venegas **Approval Date:** 05/25/2021

Title: Environmental Specialist **OCD Permit Number:** Facility Number [fVV2112641752]

19.
Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC

Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☐ **Closure Completion Date:**

20.
Closure Method:

☐ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)

☐ If different from approved plan, please explain.

21.

Closure Report Attachment Checklist: ***Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Proof of Closure Notice (surface owner and division)
- ☐ Proof of Deed Notice (required for on-site closure for private land only)
- ☐ Plot Plan (for on-site closures and temporary pits)
- ☐ Confirmation Sampling Analytical Results (if applicable)
- ☐ Waste Material Sampling Analytical Results (required for on-site closure)
- ☐ Disposal Facility Name and Permit Number
- ☐ Soil Backfilling and Cover Installation
- ☐ Re-vegetation Application Rates and Seeding Technique
- ☐ Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude _____ Longitude _____ NAD: ☐1927 ☐ 1983

22.

Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): _____ Title: _____

Signature:_____ Date: _____

e-mail address:_____ Telephone: _____

DL 15 22 Ogopogo Well Pad

Construction Work Package

CWP #: 1	Date Printed: 2/8/2021

1.0 Scope

Construction of required access roads, 3-well BGWH well pad, and standard drilling reserve pit for the first three Ogopogo wells in Dagger Lake, NM. All required drawings are in appendix 5.

- Well pad dimensions: 680'x480'
  - Complete compaction of strong back and sand silo areas per the provided geotechnical report
- 20' wide access roads: 2,800' long
- Construction two cells of drilling reserve pit

All checksheets in appendix 6 shall be filled out and verified by Chevron construction rep

As Built will be required on all pads

Contracting Plan

Contract Type	Contractor	Contact Information
Unit Rates	Sweatt	
T&M (if not defined in unit rates)		

2.0 Location

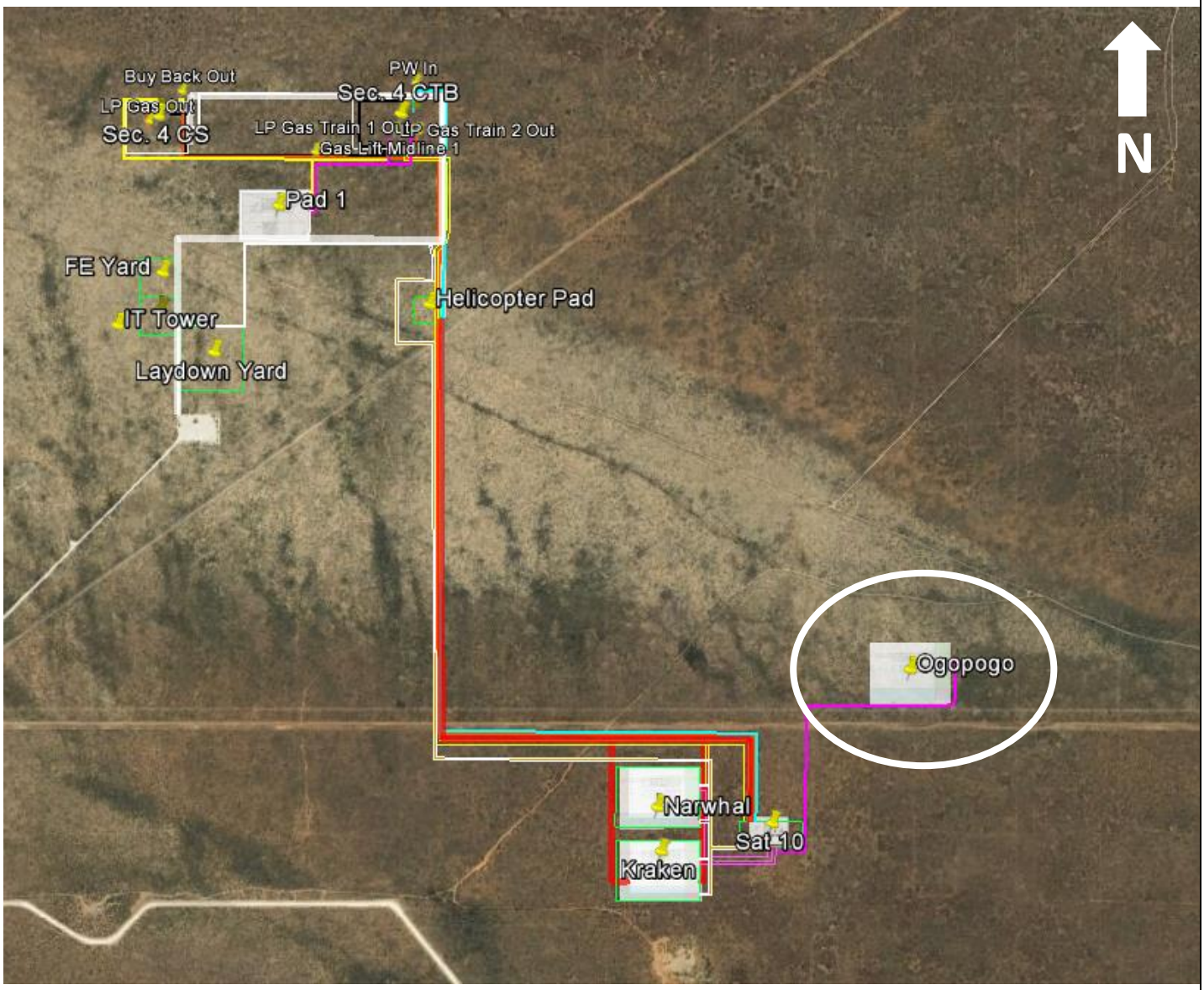
Facility	Dagger Lake Ogopogo Pad			
	LAT	32.403926°	LONG	-103.556787°

SITE LAYOUT

DL 15 22 Ogopogo Well Pad

Construction Work Package

CWP #: 1	Date Printed: 2/8/2021



3.0 Execution Plan

GENERAL

- CONTRACTOR will complete work per Service Order agreements
- CONTRACTOR will contact One Call and appropriate local agencies to locate buried utilities within the proposed construction area. On-site Chevron personnel will be responsible for locating underground utilities owned by Chevron that are not located by One Call or affiliated contractors.

Well Pad Construction

Chevron	**DL 15 22 Ogopogo Well Pad** **Construction Work Package**	See It!
	CWP #: 1 | Date Printed: 2/8/2021	

- CONTRACTOR shall construct a three well below-grade well head (BGWH) pad with drilling reserve pit per drawing dimensions provided in appendix 5.
    a. Entire pad shall be cleared and grubbed to ensure removal of topsoil. If maximum 6" of grubbing is not sufficient, CONTRACTOR is to submit and RFI on how to proceed.
    b. When leveling the pad, fill material shall not be placed in lifts greater than 8" thick. Each lift shall be moisture treated, compacted, and proof rolled.
    c. The subgrade surface shall be scarified and rolled to prevent ponding and allow the strongback area to be clear of collecting water.
- CONTRACTOR shall excavate and compact walking area and shaker area per the Geotechnical Report provided in appendix 5.
    a. Caliche shall be sourced from CHEVRON approved pits in the project area.
    b. The entire cleared pad area shall have a caliche cap of at least 6 inches after compaction.
- CONTRACTOR shall excavate and contour reserve pit per standard drawing and cut/fill requirements.

Roads

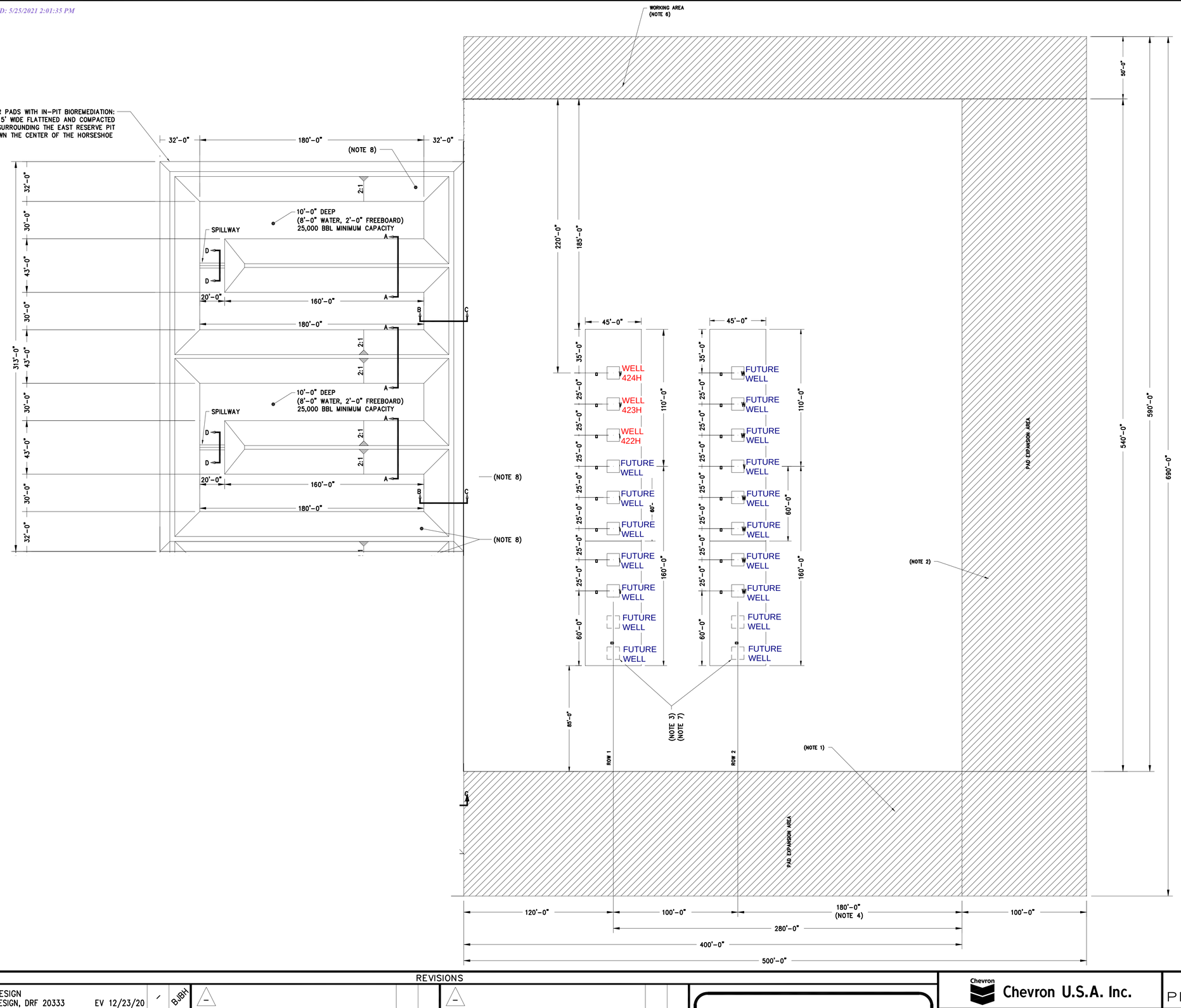
- The road construction shall be built in accordance with local and state laws, BLM requirements, and drawings provided. Some other considerations to follow:
    a. Leveling – This work consists of cutting and compact filling the natural soils where necessary to obtain a smooth longitudinal grade along the road and a sub-grade to accept the caliche top course. Maximum slope of the roads to the pad shall be 4°.
    b. Caliche top course shall be placed and compacted in 8" lifts. Road shall be graded to create the proper crown (2%) to drain water.
    c. Roads/Ramps shall be twenty (20) feet wide with five (5) feet of right of way (ROW) clearing on each side of the road.

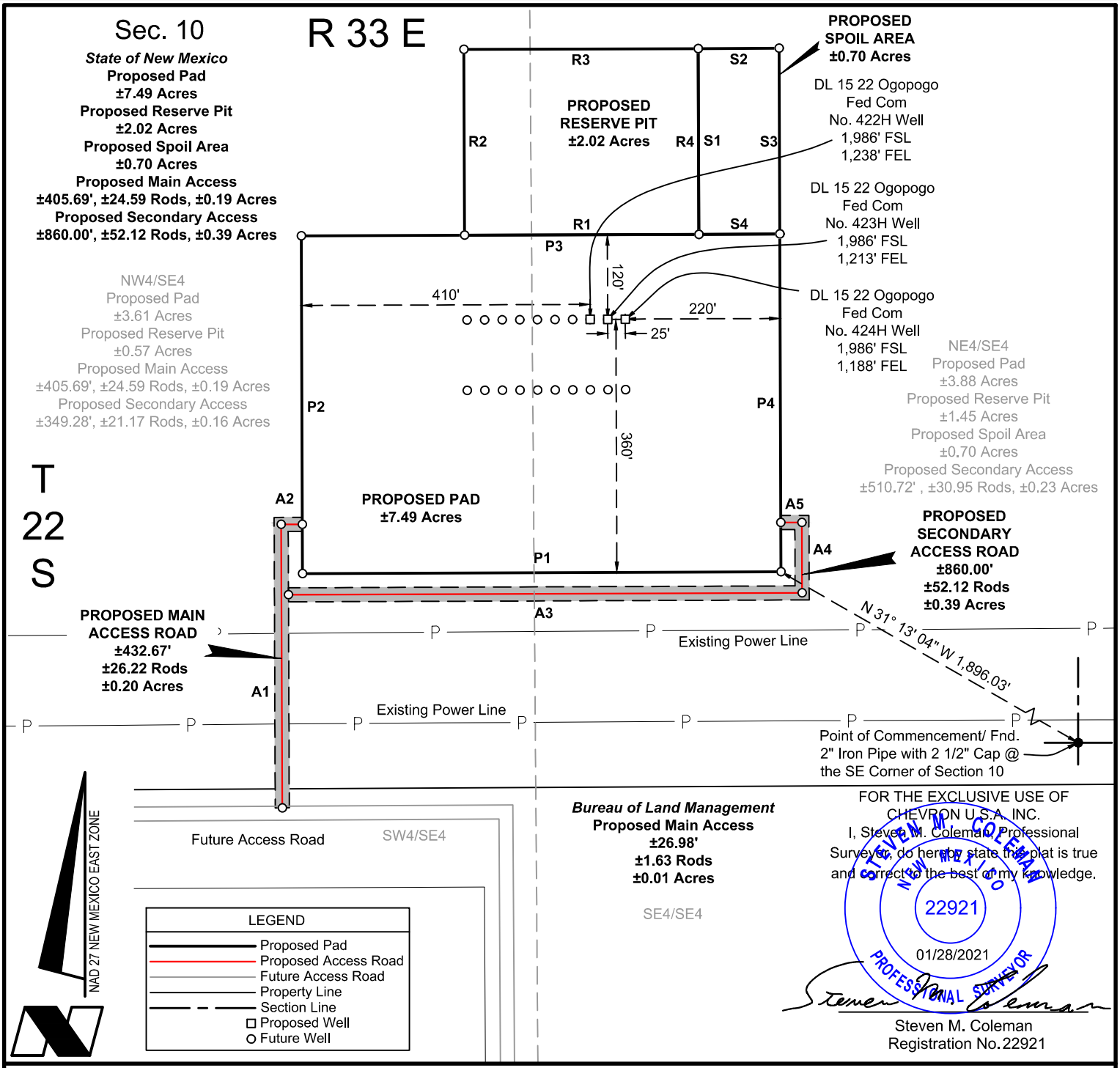
Line Crossings

- CONTRACTOR shall abide by MCBU Excavation Dig Procedure and any MCBU or Carlsbad Line Crossing requirements.

4.0 Materials
4.1 Chevron Order
None
4.2 Contractor Order
All civil material and equipment required to complete the project scope

5.0 Project Details / Drawings	
5.1	Factory Standard BGWH Open Loop Pad
5.2	Dimension Plat – New Disturbance with Reserve Pit


WORKING AREA
(NOTE 6)
FOR PADS WITH IN-PIT BIOREMEDIATION:
ADD A 15' WIDE FLATTENED AND COMPACTED
AREA SURROUNDING THE EAST RESERVE PIT
AND DOWN THE CENTER OF THE HORSESHOE
32'-0"
180'-0"
32'-0"
(NOTE 8)
313'-0"
32'-0"
30'-0"
43'-0"
30'-0"
43'-0"
30'-0"
43'-0"
30'-0"
32'-0"
10'-0" DEEP
(8'-0" WATER, 2'-0" FREEBOARD)
25,000 BBL MINIMUM CAPACITY
SPILLWAY
D
D
A
A
20'-0"
160'-0"
180'-0"
B
C
2:1
2:1
2:1
2:1
10'-0" DEEP
(8'-0" WATER, 2'-0" FREEBOARD)
25,000 BBL MINIMUM CAPACITY
SPILLWAY
(NOTE 8)
(NOTE 8)
220'-0"
185'-0"
45'-0"
45'-0"
35'-0"
25'-0"
25'-0"
25'-0"
25'-0"
25'-0"
25'-0"
60'-0"
110'-0"
80'-
160'-0"
WELL 424H
WELL 423H
WELL 422H
FUTURE WELL
FUTURE WELL
FUTURE WELL



Page 1 of 2

SURFACE USE PLAT

SCALE: 1" = 200'

200' 0 100' 200'

CHEVRON U.S.A. INC.

PROPOSED PAD & ACCESS ROADS
DL 15 22 OGOPOGO FED COM PAD
SECTION 10, T22S-R33E
LEA COUNTY, NEW MEXICO

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

	REVISIONS			
DRAWN BY: DMB	#	BY:	DATE:	DESCRIPTION:
PROJ. MGR.: GDG	4	DMB	01/14/2021	Add reserve pit
DATE: 03/09/2020	5	DMB	01/21/2021	Add spoil area
FILENAME: T:\2019\2191038\DWG\DL 15 22 Ogopogo Fed Com SUP_R3.dwg				

NW PAD CORNER			NE PAD CORNER		
X=	739,720'	NAD 27	X=	740,400'	NAD 27
Y=	511,812'		Y=	511,815'	
LAT.	32.404693° N		LAT.	32.404686° N	
LONG.	103.556609° W		LONG.	103.554406° W	
X=	780,903'	NAD83/86	X=	781,583'	NAD83/86
Y=	511,873'		Y=	511,876'	
LAT.	32.404816° N		LAT.	32.404810° N	
LONG.	103.557093° W		LONG.	103.554890° W	
ELEV.	+3567'	NAVD88	ELEV.	+3565'	NAVD88

SW PAD CORNER			SE PAD CORNER		
X=	739,722'	NAD 27	X=	740,402'	NAD 27
Y=	511,332'		Y=	511,335'	
LAT.	32.403373° N		LAT.	32.403367° N	
LONG.	103.556614° W		LONG.	103.554411° W	
X=	780,904'	NAD83/86	X=	781,584'	NAD83/86
Y=	511,393'		Y=	511,396'	
LAT.	32.403497° N		LAT.	32.403490° N	
LONG.	103.557099° W		LONG.	103.554895° W	
ELEV.	+3560'	NAVD88	ELEV.	+3556'	NAVD88

NW RESERVE PIT CORNER			NE RESERVE PIT CORNER		
X=	739,951'	NAD 27	X=	740,284'	NAD 27
Y=	512,077'		Y=	512,079'	
LAT.	32.405416° N		LAT.	32.405413° N	
LONG.	103.555854° W		LONG.	103.554775° W	
X=	781,134'	NAD83/86	X=	781,467'	NAD83/86
Y=	512,138'		Y=	512,139'	
LAT.	32.405540° N		LAT.	32.405537° N	
LONG.	103.556338° W		LONG.	103.555260° W	
ELEV.	+3570'	NAVD88	ELEV.	+3569'	NAVD88

SW RESERVE PIT CORNER			SE RESERVE PIT CORNER		
X=	739,952'	NAD 27	X=	740,285'	NAD 27
Y=	511,813'		Y=	511,815'	
LAT.	32.404691° N		LAT.	32.404687° N	
LONG.	103.555857° W		LONG.	103.554778° W	
X=	781,135'	NAD83/86	X=	781,468'	NAD83/86
Y=	511,874'		Y=	511,875'	
LAT.	32.404814° N		LAT.	32.404811° N	
LONG.	103.556341° W		LONG.	103.555263° W	
ELEV.	+3566'	NAVD88	ELEV.	+3565'	NAVD88

NW CORNER SPOIL AREA			NE CORNER SPOIL AREA		
X=	740,284'	NAD 27	X=	740,399'	NAD 27
Y=	512,079'		Y=	512,079'	
LAT.	32.405413° N		LAT.	32.405412° N	
LONG.	103.554775° W		LONG.	103.554403° W	
X=	781,467'	NAD83/86	X=	781,582'	NAD83/86
Y=	512,139'		Y=	512,140'	
LAT.	32.405537° N		LAT.	32.405535° N	
LONG.	103.555260° W		LONG.	103.554887° W	
ELEV.	+3569'	NAVD88	ELEV.	+3567'	NAVD88

SW CORNER SPOIL AREA			SE CORNER SPOIL AREA		
X=	740,285'	NAD 27	X=	740,400'	NAD 27
Y=	511,815'		Y=	511,815'	
LAT.	32.404687° N		LAT.	32.404686° N	
LONG.	103.554778° W		LONG.	103.554406° W	
X=	781,468'	NAD83/86	X=	781,583'	NAD83/86
Y=	511,875'		Y=	511,876'	
LAT.	32.404811° N		LAT.	32.404810° N	
LONG.	103.555263° W		LONG.	103.554890° W	
ELEV.	+3565'	NAVD88	ELEV.	+3565'	NAVD88

DL 15 22 OGOPOGO FED COM NO. 422H WELL			DL 15 22 OGOPOGO FED COM NO. 423H WELL			DL 15 22 OGOPOGO FED COM NO. 424H WELL		
X=	740,131'	NAD 27	X=	740,156'	NAD 27	X=	740,181'	NAD 27
Y=	511,694'		Y=	511,694'		Y=	511,694'	
LAT.	32.404358° N		LAT.	32.404358° N		LAT.	32.404358° N	
LONG.	103.555281° W		LONG.	103.555200° W		LONG.	103.555119° W	
X=	781,313'	NAD83/86	X=	781,338'	NAD83/86	X=	781,363'	NAD83/86
Y=	511,754'		Y=	511,755'		Y=	511,755'	
LAT.	32.404482° N		LAT.	32.404482° N		LAT.	32.404481° N	
LONG.	103.555766° W		LONG.	103.555685° W		LONG.	103.555604° W	
ELEV.	+3563'	NAVD88	ELEV.	+3563'	NAVD88	ELEV.	+3563'	NAVD88

PROPOSED PAD		
COURSE	BEARING	DISTANCE
P1	S 89° 47' 07" W	680.00'
P2	N 00° 12' 53" W	480.00'
P3	N 89° 47' 07" E	680.00'
P4	S 00° 12' 53" E	480.00'

PROPOSED RESERVE PIT		
COURSE	BEARING	DISTANCE
R1	S 89° 47' 07" W	333.00'
R2	N 00° 12' 53" W	264.00'
R3	N 89° 47' 07" E	333.00'
R4	S 00° 12' 53" E	264.00'

PROPOSED SPOIL AREA		
COURSE	BEARING	DISTANCE
S1	N 00° 12' 53" W	264.00'
S2	N 89° 47' 07" E	115.00'
S3	S 00° 12' 53" E	264.00'
S4	S 89° 47' 07" W	115.00'

PROPOSED EAST ACCESS ROAD		
COURSE	BEARING	DISTANCE
A3	N 89° 47' 07" E	730.00'
A4	N 00° 12' 53" W	100.00'
A5	S 89° 47' 07" W	30.00'

PROPOSED WEST ACCESS ROAD		
COURSE	BEARING	DISTANCE
A1	N 00° 12' 53" W	402.67'
A2	N 89° 47' 07" E	30.00'

FOR THE EXCLUSIVE USE OF CHEVRON U.S.A. INC.
I, Steven M. Coleman, Professional Surveyor, do hereby state this plat is true and correct to the best of my knowledge.

STEVEN M. COLEMAN
NEW MEXICO
22921
01/28/2021
PROFESSIONAL SURVEYOR

Steven M. Coleman
Registration No. 22921

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.

SURFACE USE PLAT

Page 2 of 2

CHEVRON U.S.A. INC.

PROPOSED PAD & ACCESS ROADS
DL 15 22 OGOPOGO FED COM PAD
SECTION 10, T22S-R33E
LEA COUNTY, NEW MEXICO

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

	REVISIONS			
DRAWN BY: DMB	#	BY:	DATE:	DESCRIPTION:
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DATE: 03/09/2020	5	DMB	01/21/2021	Add spoil area
FILENAME: T:\2019\2191038\DWG\DL 15 22 Ogopogo Fed Com SUP_R3.dwg				

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

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

CONDITIONS

Action 29475

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 29475
	Action Type: [C-144] Pit Inventory (PIT INVENTORY)

CONDITIONS

Created By	Condition	Condition Date
vvenegas	None	5/25/2021