

Form 3160-5  
(June 2019)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2021

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No. **NMNM77062**

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator **COG OPERATING LLC**

3a. Address **600 West Illinois Ave, Midland, TX 79701**    3b. Phone No. (include area code) **(432) 683-7443**

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)  
**SEC 2/T23S/R32E/NMP**

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No. **REDTAIL FEDERAL COM/602H**

9. API Well No. **3002552783**

10. Field and Pool or Exploratory Area  
**DIAMONDTAIL/BONE SPRING**

11. Country or Parish, State  
**LEA/NM**

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

COG Operating LLC respectfully requests approval to P&A the following approved APD.

Summary of Events for the Redtail Federal Com 602H (API: 30-025-52783)

While running our 7-5/8" intermediate casing on the Redtail Federal Com 602H, we became stuck at 9,332'. A free point was run and determined that the casing is 100% free at 6,148'. After many attempts of working pipe, the BLM on-call engineer was notified and the request to P&A was submitted. Based on recommendations from the BLM engineer, the plan forward is to cement the casing in place utilizing the approved Bradenhead squeeze. A CIBP will be set inside casing at 8810'. The cement plugs will be pumped as follows:

1. Spot 330' plug from 8810' - 8510' (66 sacks of 15.6 ppg Class H cement). WOC.
2. Pressure test.
3. Spot 500' plug from 6148' - 5648' (98 sacks of 14.8 ppg Class C cement). WOC.

Continued on page 3 additional information

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)  
**MAYTE REYES / Ph: (281) 293-1000**

Regulatory Analyst  
Title

(Electronic Submission)  
Signature

Date **07/15/2024**

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by  
**ZOTA M STEVENS / Ph: (575) 234-5998 / Approved**

Petroleum Engineer  
Title

Date **07/15/2024**

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office **CARLSBAD**

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

## Additional Information

### Additional Remarks

4. Spot 400' plug from 5400' - 5000' (78 sacks of 14.8 ppg Class C cement). WOC.
5. Spot 500' plug from 1915' - 1415' (98 sacks of 14.8 ppg Class C cement). WOC.
6. Spot 250' plug from 250' - 0' (78 sacks of 14.8 ppg Class C cement).
7. Set dry hole marker

This well will be changed to: Redtail Federal Com 602Y. The Skid well will be: Redtail Federal Com 602H.

See attached.

### Location of Well

0. SHL: LOT 2 / 220 FNL / 2005 FEL / TWSP: 23S / RANGE: 32E / SECTION: 2 / LAT: 32.34037 / LONG: -103.643372 ( TVD: 0 feet, MD: 0 feet )

PPP: LOT 1 / 100 FNL / 990 FEL / TWSP: 23S / RANGE: 32E / SECTION: 2 / LAT: 32.340711 / LONG: -103.640084 ( TVD: 12018 feet, MD: 12165 feet )

PPP: NENE / 1 FNL / 990 FEL / TWSP: 23S / RANGE: 32E / SECTION: 11 / LAT: 32.326508 / LONG: -103.640098 ( TVD: 12140 feet, MD: 17400 feet )

BHL: SESE / 50 FSL / 1460 FEL / TWSP: 23S / RANGE: 32E / SECTION: 14 / LAT: 32.312121 / LONG: -103.640112 ( TVD: 12140 feet, MD: 27666 feet )

CONFIDENTIAL

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Signature (Electronic Submission)    Date **07/15/2024**

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CONFIDENTIAL

Project: BULLDOG PROSPECT (NM-E)  
 Site: REDTAIL FED COM PROJECT  
 Well: REDTAIL FEDERAL COM #602H  
 Wellbore: OWB  
 Design: PWP1  
 GL: 3735.8  
 RKB=30ft @ 3765.8usft

WELL DETAILS: REDTAIL FEDERAL COM #602H

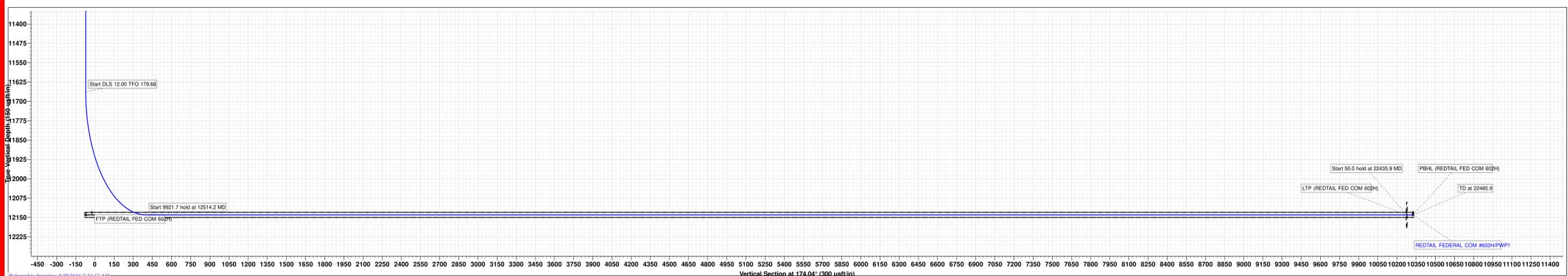
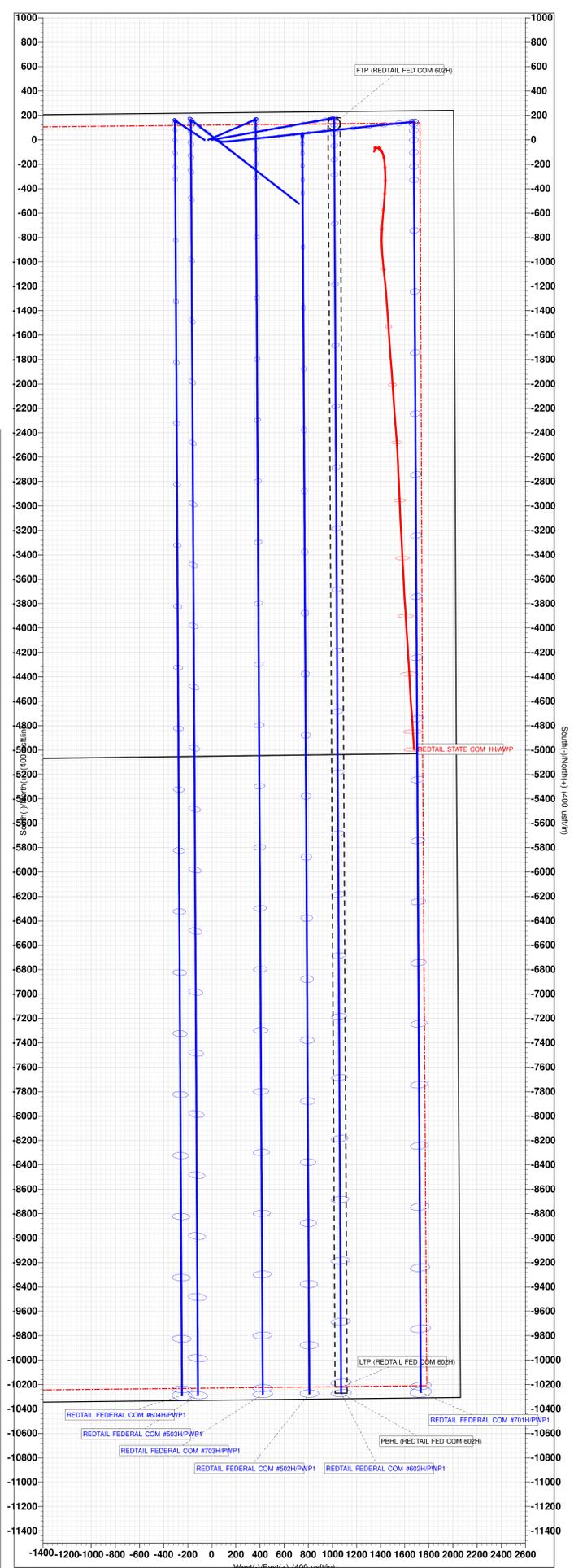
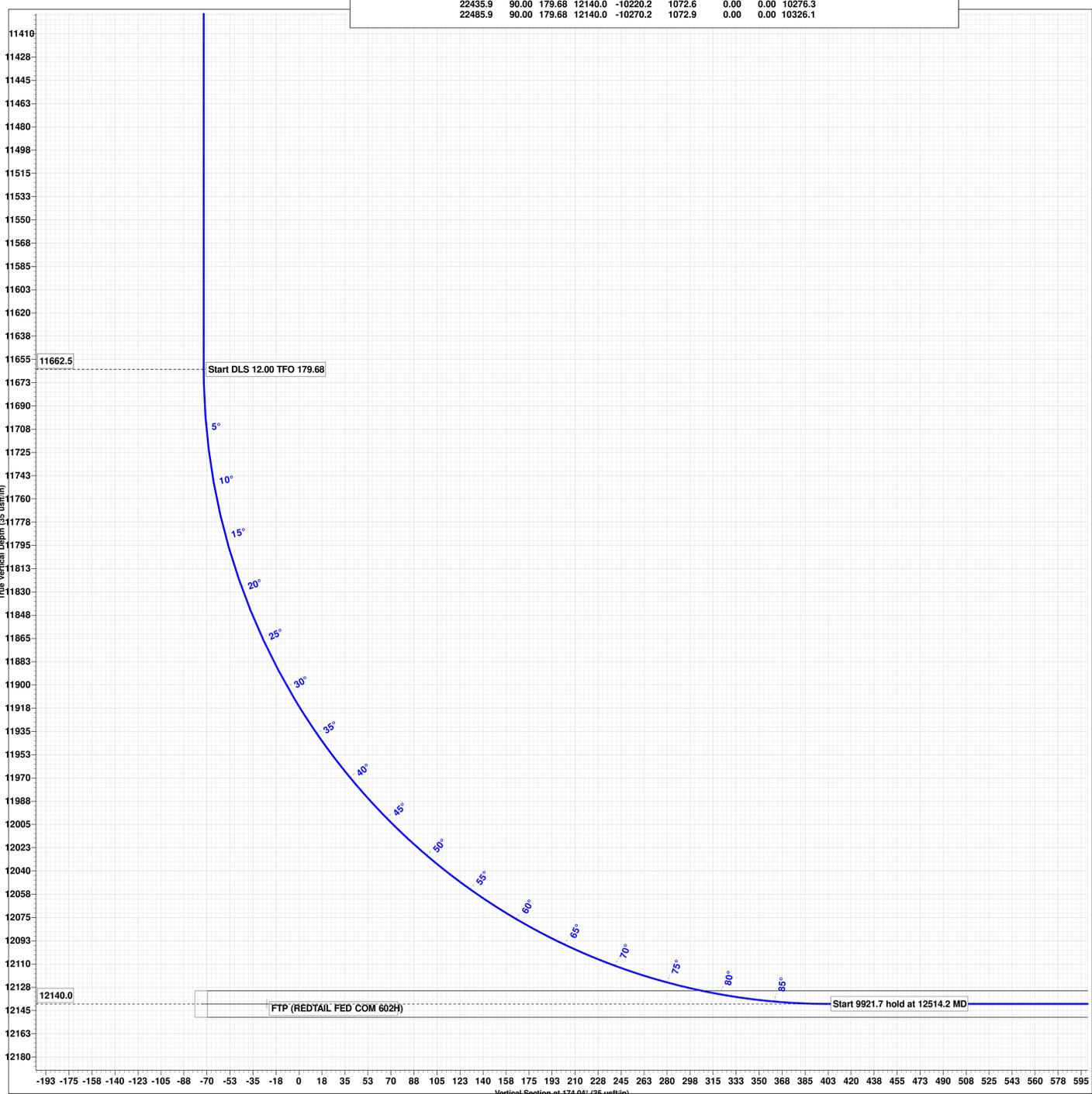
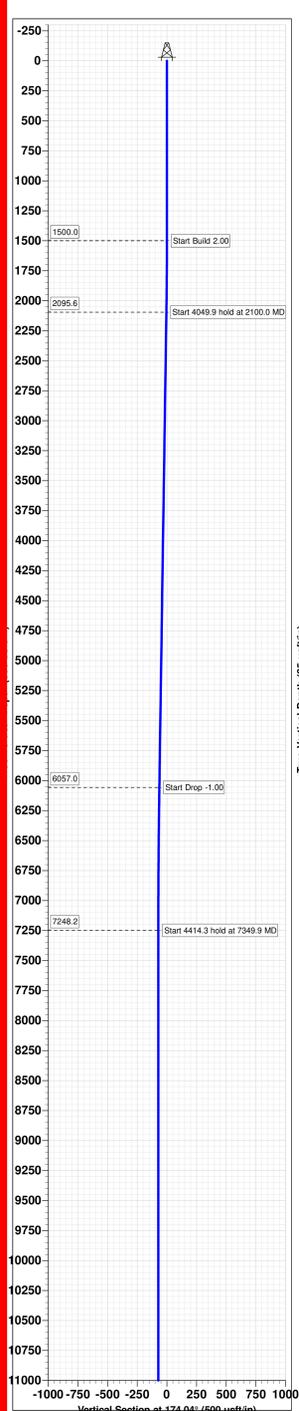
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	488165.00	713242.80	32° 20' 24.889 N	103° 38' 34.393 W

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (REDTAIL FED COM 602H)	12140.0	130.7	1014.5	488315.70	714257.30
LTP (REDTAIL FED COM 602H)	12140.0	-10220.2	1072.6	477964.80	714315.40
PBHL (REDTAIL FED COM 602H)	12140.0	-10270.2	1072.9	477914.80	714315.70

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0
2100.0	12.00	80.00	2095.6	10.9	61.7	2.00	80.00	-4.4
6149.9	12.00	80.00	6057.0	157.1	890.9	0.00	0.00	-63.7
7349.9	0.00	0.00	7249.2	178.8	1014.2	1.00	180.00	-72.5
11764.2	0.00	0.00	11662.5	178.8	1014.2	0.00	0.00	-72.5
12514.2	90.00	179.68	12140.0	-298.6	1016.9	12.00	179.68	402.7
22435.9	90.00	179.68	12140.0	-10220.2	1072.6	0.00	0.00	10276.3
22485.9	90.00	179.68	12140.0	-10270.2	1072.9	0.00	0.00	10326.1



**ConocoPhillips**

**Redtail Fed Com 602H**

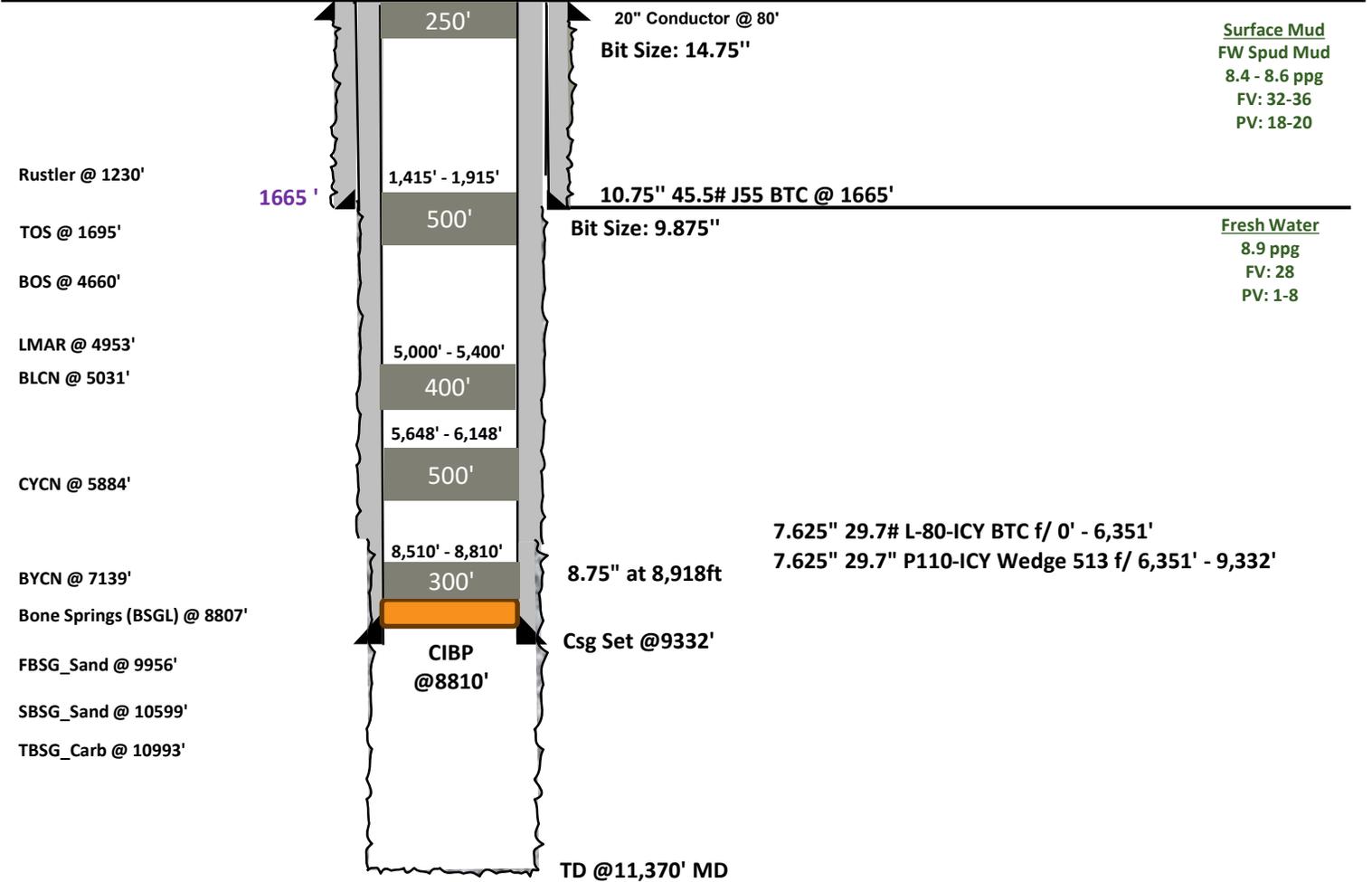
Rig: Nabors 891  
 Cmt: Halliburton  
 Casing: Tenaris  
 Mud: AES  
 Dir Drlg: Phoenix  
 Wellhead: StreamFlo  
 Float Equip: Halliburton

**SHL**  
 Sec. 2 - T23S - R32E  
 220' FNL  
 2005' FEL

**BHL**  
 Sec. 140 - T23S - R32E  
 50' FSL  
 1460' FEL

Proposed WBD  
 API: 30-025-52783  
 Third Bone Sand  
 Lat/Long (NAD 27): 32.340247/-103.642887  
 Network #10457130  
 Lea County, NM

RKB: 27.5'  
 KB: 3763.5'  
 GL: 3736'



Plug	Top (ft)	Bottom (ft)	Length (ft)	Density (ppg)	Yield (ft3/sk)	Mix Fluid	Volume (bbls)	Volume (sacks)	Displacement (bbls)
1	8510	8810	300	15.6	1.18	5.17	14	66	112.00
2	5648	6148	500	14.8	1.326	6.32	23	98	69.00
3	5000	5400	400	14.8	1.326	6.32	18	78	61.00
4	1415	1915	500	14.8	1.326	6.32	23	98	9.00
5	0	250	250	14.8	1.326	6.32	12	49	

Pump 13.4 bbls spacer ahead of cement and 6.6 bbls spacer behind cement for Plugs 1-4.

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

<b>Well Name:</b> REDTAIL FEDERAL COM	<b>Well Location:</b> T23S / R32E / SEC 2 / LOT 2 / 32.34037 / -103.643372	<b>County or Parish/State:</b> LEA / NM
<b>Well Number:</b> 602H	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM77062	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 300255278300X1	<b>Operator:</b> COG OPERATING LLC	

**Notice of Intent**

**Sundry ID:** 2800628

**Type of Submission:** Notice of Intent

**Type of Action:** Plug and Abandonment

**Date Sundry Submitted:** 07/15/2024

**Time Sundry Submitted:** 08:28

**Date proposed operation will begin:** 07/15/2024

**Procedure Description:** COG Operating LLC respectfully requests approval to P&A the following approved APD. Summary of Events for the Redtail Federal Com 602H (API: 30-025-52783) While running our 7-5/8" intermediate casing on the Redtail Federal Com 602H, we became stuck at 9,332'. A free point was run and determined that the casing is 100% free at 6,148'. After many attempts of working pipe, the BLM on-call engineer was notified and the request to P&A was submitted. Based on recommendations from the BLM engineer, the plan forward is to cement the casing in place utilizing the approved Bradenhead squeeze. A CIBP will be set inside casing at 8810'. The cement plugs will be pumped as follows: 1. Spot 330' plug from 8810' - 8510' (66 sacks of 15.6 ppg Class H cement). WOC. 2. Pressure test. 3. Spot 500' plug from 6148' - 5648' (98 sacks of 14.8 ppg Class C cement). WOC. 4. Spot 400' plug from 5400' - 5000' (78 sacks of 14.8 ppg Class C cement). WOC. 5. Spot 500' plug from 1915' - 1415' (98 sacks of 14.8 ppg Class C cement). WOC. 6. Spot 250' plug from 250' - 0' (78 sacks of 14.8 ppg Class C cement). 7. Set dry hole marker This well will be changed to: Redtail Federal Com 602Y. The Skid well will be: Redtail Federal Com 602H. See attached.

**Surface Disturbance**

**Is any additional surface disturbance proposed?:** No

**NOI Attachments**

**Procedure Description**

Redtail\_602H\_WBD\_P\_A\_v4\_20240715082644.pdf

Well Name: REDTAIL FEDERAL COM

Well Location: T23S / R32E / SEC 2 / LOT 2 / 32.34037 / -103.643372

County or Parish/State: LEA / NM

Well Number: 602H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM77062

Unit or CA Name:

Unit or CA Number:

US Well Number: 300255278300X1

Operator: COG OPERATING LLC

### Conditions of Approval

#### Specialist Review

Combined\_COA\_Plugging\_Abandonment\_and\_Reclamation\_20240715091923.pdf

### Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: MAYTE REYES

Signed on: JUL 15, 2024 08:25 AM

Name: COG OPERATING LLC

Title: Regulatory Analyst

Street Address: 925 N ELDRIDGE PARKWAY

City: HOUSTON

State: TX

Phone: (281) 293-1000

Email address: MAYTE.X.REYES@CONOCOPHILLIPS.COM

### Field

Representative Name: Gerald Herrera

Street Address: 2208 West Main Street

City: Artesia

State: NM

Zip: 88210

Phone: (575)748-6940

Email address: gerald.a.herrera@conocophillips.com

### BLM Point of Contact

BLM POC Name: ZOTA M STEVENS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752345998

BLM POC Email Address: ZSTEVENS@BLM.GOV

Disposition: Approved

Disposition Date: 07/15/2024

Signature: Zota Stevens

**BUREAU OF LAND MANAGEMENT  
Carlsbad Field Office  
620 East Greene Street  
Carlsbad, New Mexico 88220  
575-234-5972**

**Permanent Abandonment of Federal Wells  
Conditions of Approval**

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within **ninety (90)** days from the approval date of this Notice of Intent to Abandon.

**If you are unable to plug the well by the 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.**

**The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.**

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-689-5981.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of brine water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours. Tagging the plug means running in the hole with a string of tubing or drill pipe and placing sufficient weight on the plug to ensure its integrity. Other methods of tagging the plug may be approved by the BLM authorized officer or BLM field representative.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.**

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). **The BLM is to be notified *BY PHONE* (numbers listed in 2. Notifications,) minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10<sup>th</sup> day, the BLM is to be contacted with justification to receive an extension for completing the cut off.**

The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement, unless otherwise noted in COA (requirements will be attached). The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds). A weep hole shall be left if a metal plate is welded in place.

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation objectives.



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Carlsbad Field Office  
620 E. Greene St.  
Carlsbad, New Mexico 88220-6292  
www.blm.gov/nm



In Reply Refer To: 1310

### Reclamation Objectives and Procedures

**Reclamation Objective:** Oil and gas development is one of many uses of the public lands and resources. While development may have a short- or long-term effect on the land, successful reclamation can ensure the effect is not permanent. During the life of the development, all disturbed areas not needed for active support of production operations should undergo “interim” reclamation in order to minimize the environmental impacts of development on other resources and uses. At final abandonment, well locations, production facilities, and access roads must undergo “final” reclamation so that the character and productivity of the land and water are restored.

The long-term objective of final reclamation is to set the course for eventual ecosystem restoration, including the restoration of the natural vegetation community, hydrology, and wildlife habitats. In most cases this means returning the land to a condition approximating or equal to that which existed prior to the disturbance. The final goal of reclamation is to restore the character of the land and water to its pre-disturbance condition. The operator is generally not responsible for achieving full ecological restoration of the site. Instead, the operator must achieve the short-term stability, visual, hydrological, and productivity objectives of the surface management agency and take steps necessary to ensure that long-term objectives will be reached through natural processes.

To achieve these objectives, remove any/all contaminants, scrap/trash, equipment, pipelines and powerlines **(Contact service companies, allowing plenty of time to have the risers and power lines and poles removed prior to reclamation, don't wait till the last day and try to get them to remove infrastructure)**. Strip and remove caliche, contour the location to blend with the surrounding landscape, re-distribute the native soils, provide erosion control as needed, rip (across the slope and seed as specified in the original APD COA. **This will apply to well pads, facilities, and access roads.** Barricade access road at the starting point. If reserve pits have not reclaimed due to salts or other contaminants, submit a plan for approval, as to how you propose to provide adequate restoration of the pit area.

1. The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include adequate measures for stabilization and reclamation of disturbed lands. Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD process as per Onshore Oil and Gas Order No. 1.
2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the Notice of Intent, or the Subsequent Report of Abandonment, Sundry Notices and Reports on Wells (Form 3160-5). Interim reclamation is to be completed within 6 months of well completion, and final reclamation is to be completed within 6 months of well abandonment.
3. The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.
4. Previous instruction had you waiting for a BLM specialist to inspect the location and provide you with reclamation requirements. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with reclamation as per approved APD. If you

have issues or concerns, contact a BLM specialist to assist you. It would be in your interest to have a BLM specialist look at the location and access road prior to the removal of reclamation equipment to ensure that it meets BLM objectives. Upon conclusion submit a Form 3160-5, Subsequent Report of Reclamation. This will prompt a specialist to inspect the location to verify work was completed as per approved plans.

5. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.
6. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met. If after two growing seasons the location and/or access roads are not showing the potential for successful revegetation, additional actions may be needed. When you feel the BLM objectives have been met submit a Final Abandonment Notice (FAN), Form 3160-5, stating that all reclamation requirements have been achieved and the location and/or access road is ready for a final abandonment inspection.
7. At this time the BLM specialist will inspect the location and/or access road. If the native soils and contour have been restored, and the revegetation is successful, the FAN will be approved, releasing the operator of any further liability of the location and/or access road. If the location and/or access road have not achieved the objective, you will be notified as to additional work needed or additional time being needed to achieve the objective.

If there are any questions, please feel free to contact any of the following specialists:

Jim Amos  
Supervisory Petroleum Engineering Tech/Environmental Protection Specialist  
575-234-5909 (Office), 575-361-2648 (Cell)

Arthur Arias  
Environmental Protection Specialist  
575-234-6230

Crisha Morgan  
Environmental Protection Specialist  
575-234-5987

Jose Martinez-Colon  
Environmental Protection Specialist  
575-234-5951

Mark Mattozzi  
Environmental Protection Specialist  
575-234-5713

Robert Duenas  
Environmental Protection Specialist  
575-234-2229

Doris Lauger Martinez  
Environmental Protection Specialist  
575-234-5926

Jaden Johnston  
Environmental Protection Asst. (Intern)  
575-234-6252

**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 372549

**CONDITIONS**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 372549
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

**CONDITIONS**

Created By	Condition	Condition Date
gcordero	Perf and sqz cement at all spots in and out.	8/16/2024