

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD, Artesia

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

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.

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 W. Illinois Ave, Midland, TX 79701

3b. Phone No. (include area code)

432-683-7443

4. Location of Well (Postage, Sec. T, R, M., or Survey Description)

Sec 29, T17S, R29E

2150' FNL 330' FEL

5. Lease Serial No.

NM-14840

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No

White Star Federal #1

9. API Well No.

30-015-29986

10. Field and Pool, or Exploratory Area

East Empire Yeso

11. County or Parish, State

Eddy Co, NM

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

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Acidize ☐ Deepen ☐ Production (Start/Resume) ☐ Water Shut-Off
☐ Alter Casing ☐ Fracture Treat ☐ Reclamation ☐ Well Integrity
☐ Casing Repair ☐ New Construction ☐ Recomplete ☐ Other
☐ Change Plans ☒ Plug and Abandon ☐ Temporarily Abandon
☐ Convert to Injection ☐ Plug Back ☐ 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 recomple 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Drill out

1. Tag 5 1/2" CIBP capped with 30' sx cmt @ 4590'. *Add 2 plugs see below*
2. Set 5 1/2" CIBP @ 3919'. Circulate hole w/ MLF. Pressure test csg. Spot 25 sx cmt @ 3919-3679'. WOC & Tag.
3. Spot 25 sx cmt @ 2200-2050'. (Grayburg)
4. Spot 25 sx cmt @ 1753-1653'. (Queen)
5. Perf & Sqz 50 sx cmt @ 844-600'. WOC & Tag. (Shoe, Yates, B Salt)
6. Perf & Sqz 40 sx cmt @ 365-265'. WOC & Tag. (Shoe, T Salt)
7. Spot 15 sx @ 100'-Surface
8. Cut off well head, verify cmt to surface, weld on dry hole marker.

PC 11-8-17
Accepted for record - NMOCD

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

- a Spot 25 Sx cmt from 6200 - 6040 (Abso)
b Spot 25 Sx cmt from 5820 - 5660 Tag (DV tool)

14. I hereby certify that the foregoing is true and correct.

Name (Printed Type)

Abigail Montgomery

Title Agent

Signature

Abigail Montgomery

Date 10/27/17

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Phil Wells

Title

Eng

Date

10/27/17

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

CFD

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

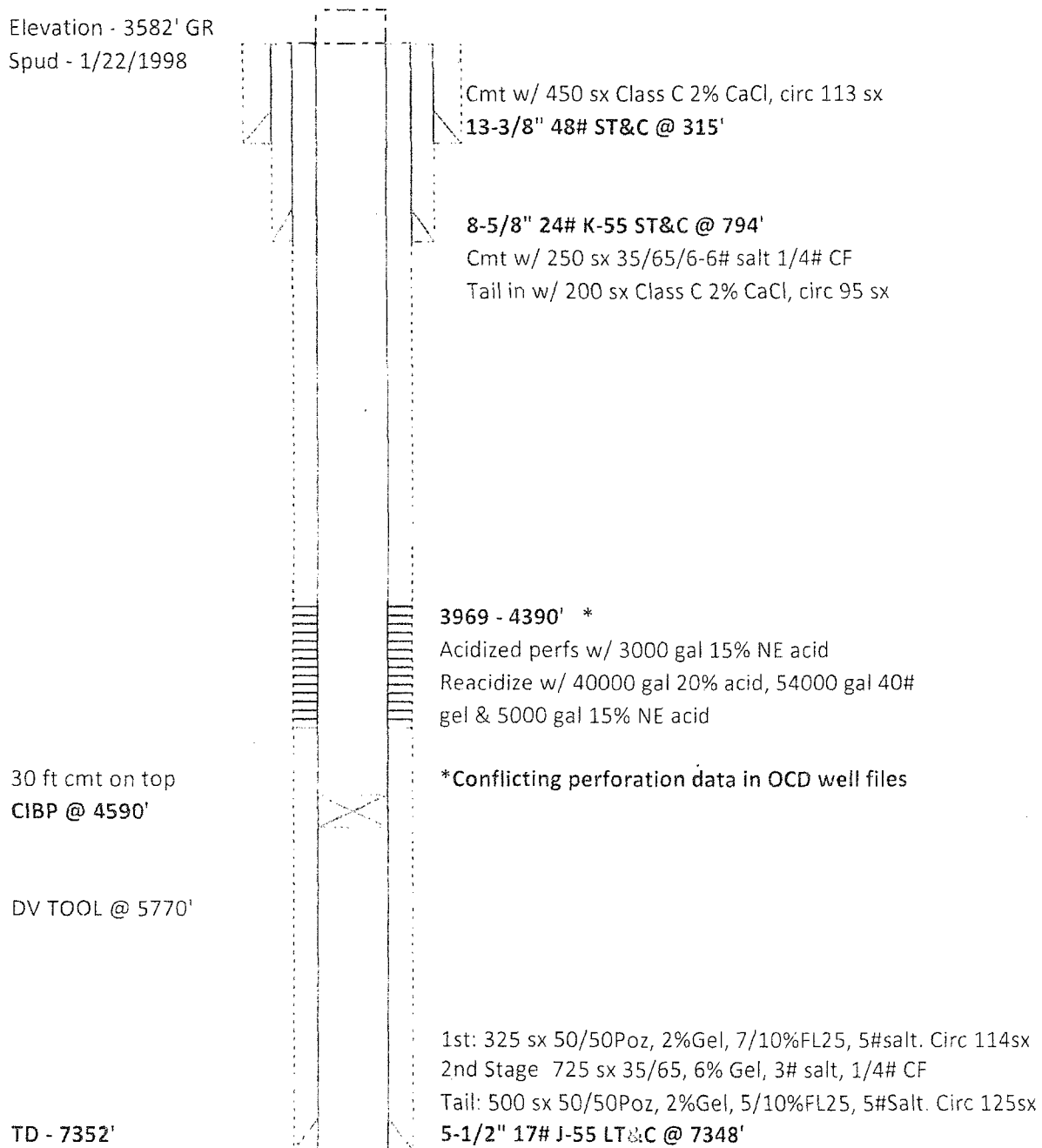
(Instructions on page 2)

COG Operating LLC

Lease & Well # White Star Federal #1
API: 30-015-29986

Eddy County, NM
Sec. 29 T17S R29E, 2150 FNL & 330 FEL

Elevation - 3582' GR
Spud - 1/22/1998



COG Operating LLC

Lease & Well # White Star Federal #1
API: 30-015-29986

Eddy County, NM
Sec. 29 T17S R29E, 2150 FNL & 330 FEL

Elevation 3582' GR
Spud - 1/22/1998
Cmt w/ 450 sx Class C 2% CaCl, circ 113 sx
13-3/8" 48# ST&C @ 315'

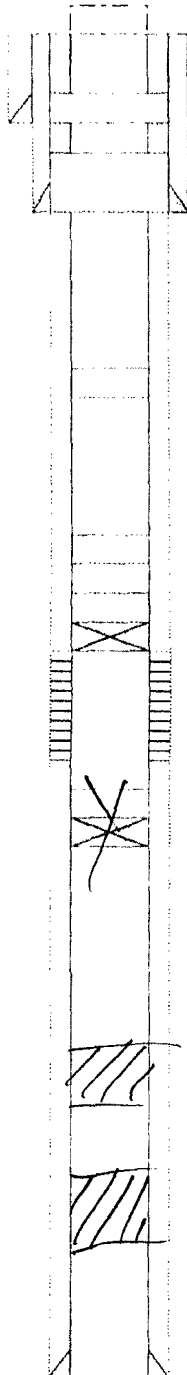
8-5/8" 24# K-55 ST&C @ 794'
Cmt w/ 250 sx 35/65/6-6# salt 1/4# CF
Tail in w/ 200 sx Class C 2% CaCl, circ 95 sx

TOS
V/S 5819
Glorietta 3520
Abo - 6150

30 ft cmt on top
CIBP @ 4590'

DV TOOL @ 5770'

TD - 7352'



7. Spot 15 sx cmt @ 100-Surface.

6. Perf & Sqz 40 sx cmt @ 365-265'. WOC & Tag (Shoe, T Salt)

5. Perf & Sqz 50 sx cmt @ 844-600'. WOC & Tag. (Shoe, Yates, B Salt)

4. Spot 25 sx cmt @ 1753-1653'. (Queen)

3. Spot 25 sx cmt @ 2200-2050'. (Grayburg)

2. Set 5 1/2" CIBP @ 3919'. Circ hole w/ MLF. Pressure test.

Spot 25 sx cmt @ 3919-3679' WOC & Tag

3969 - 4390' *

Acidized perms w/ 3000 gal 15% NE acid

Reacidize w/ 40000 gal 20% acid, 54000 gal 40#

gel & 5000 gal 15% NE acid

*Conflicting perforation data in OCD well files

1. Tag CIBP capped w/ 30' cmt @4590'

Spot 25 sx 5820-5660' (DU tool)

Spot 25sy 6200-6040 (Abo 6150')

1st: 325 sx 50/50Poz, 2%Gel, 7/10%FL25, 5#salt. Circ 114sx

2nd Stage: 725 sx 35/65, 6% Gel, 3# salt, 1/4# CF

Tail: 500 sx 50/50Poz, 2%Gel, 5/10%FL25, 5#Salt. Circ 125sx

5-1/2" 17# J-55 LT&C @ 7348'

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 90th day provide this office, prior to the 90th 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 575-393-3612.

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.

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 a 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 10th 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).

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.