

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OC D Hobbs

FORM APPROVED
OMB NO. 1004-0135
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.

5. Lease Serial No.
NMNM016497

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

7. If Unit or CA/Agreement, Name and/or No.
891006783D

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
LUSK DEEP UNIT A 26H

2. Name of Operator
COG OPERATING LLC

Contact: MAYTE X REYES
E-Mail: mreyes1@concho.com

9. API Well No.
30-025-42750-00-X1

3a. Address
ONE CONCHO CENTER 600 W ILLINOIS AVENUE
MIDLAND, TX 79701-4287

3b. Phone No. (include area code)
Ph: 575-748-6945 **HOBBS OCD**

10. Field and Pool, or Exploratory
LUSK

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 19 T19S R32E SESW 330FSL 1780FWL

SEP 29 2015
RECEIVED

11. County or Parish, and State
LEA COUNTY, NM

12. CHECK 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"/> Subsequent Report	<input type="checkbox"/> Alter Casing <input type="checkbox"/> Fracture Treat
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction
	<input type="checkbox"/> Change Plans <input checked="" type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back

E-PERMITTING <SWD _____ INJECTION
CONVERSION _____ RBDMS _____
RETURN TO _____ TA _____
CSNG _____ ENVIRO _____ CHG LOC _____
INT TO P&A _____ P&A NR _____ P&A R _____

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 recompleat 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 recompleat 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.)

COG Operating LLC, respectfully requests approval for the following changes to the original approved APD.

COG Operating LLC proposes to P&A the subject well with the following cement plugs:

- Plug 1:
400? f/ 600? to 1,000? *woc + Tag*
400 sx Class C Neat
14.8 ppg 1.33cf/sk
- Plug 2:
150? f/ 0? to 150?
100 sx Class C Neat

FILE ATTACHED FOR
CONDITIONS OF APPROVAL

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

**Electronic Submission #317539 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by CHRIS O'NEAL on 09/23/2015 (15CRW0088SE)**

Name (Printed/Typed) MAYTE X REYES	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 09/23/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____	APPROVED
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 _____	Date SEP 23 2015 /s/ Chris Walls

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 Federal or State agency or the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CARI SBAD FIELD OFFICE

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

MRSB/ocd 9/30/2015

OCT 07 2015

dm

Additional data for EC transaction #317539 that would not fit on the form

32. Additional remarks, continued

14.8 ppg 1.33cf/sk

Base of salt plug is already installed. The operator (Concho) tagged at 2,139?, with a planned tag at 2,150?. Due to being so close to planned calculations with about a 3% error that brought cement 11? higher than 2,150?, the operator successfully placed a good cement plug below the base of salt that came up above the casing fish.

See attached.

Lea County, NM
 Section 19 T19S R32E

Lusk Deep Unit A 26H
 2nd Bone Spring Sand

Rig: Patriot 6
 Cmt: Hlbrtn
 Mud: Nova
 Dir Drlg: Nexus
 Wellhead: AFS

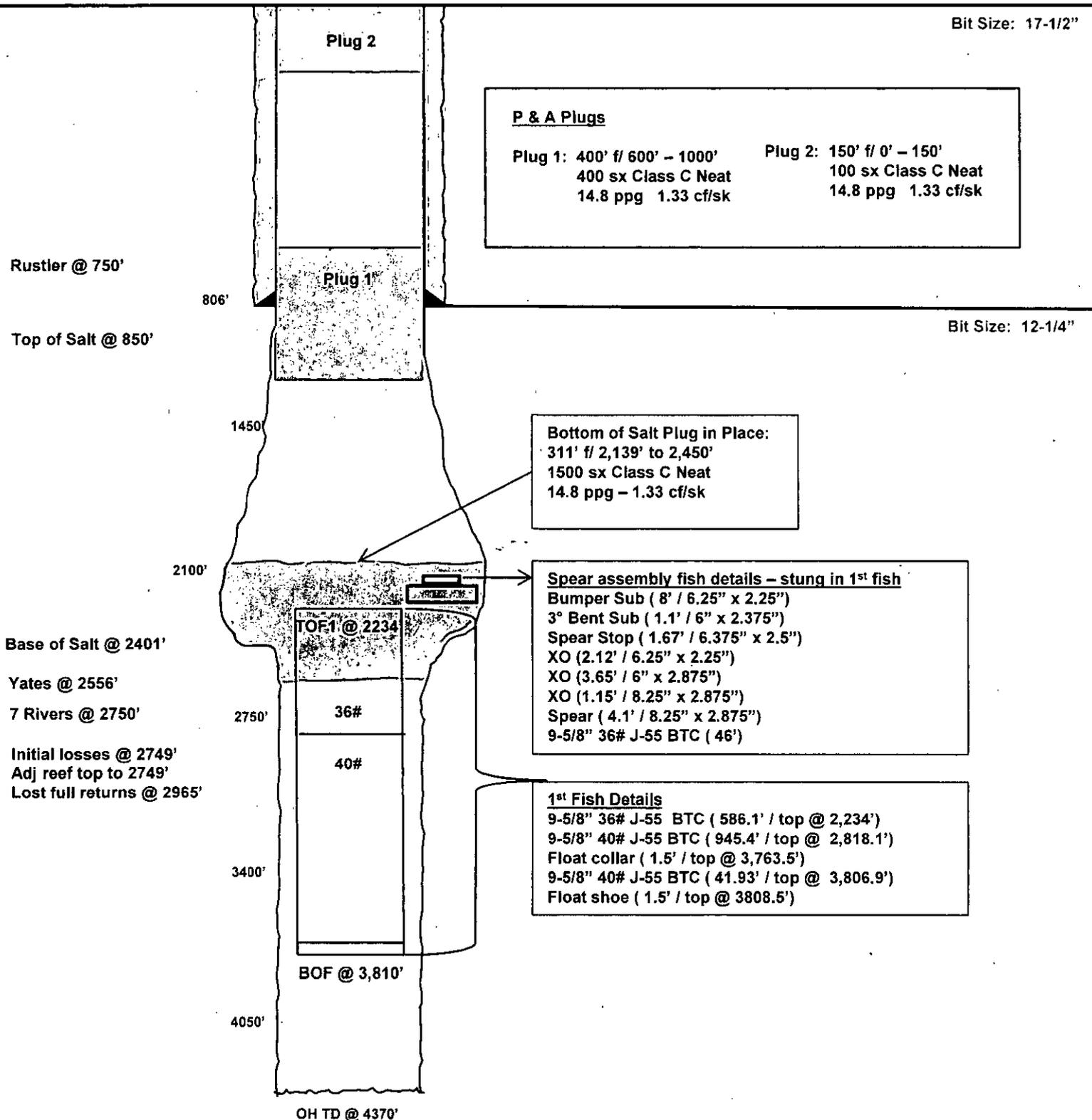
SHL 330' FSL 1780' FWL
 BHL 330' FNL 1980' FWL

API: 30-025-42750

Plug Back Schematic

KB: 3561'
 GL: 3543'

32.639528°N / 103.807913°W



HALLIBURTON

Permian Basin, Hobbs

Lab Results- PTA Plug

Job Information

Request/Slurry	2246086/1	Rig Name	Patriot 2	Date	JUN/01/2015
		Job Type	Plug to Abandon	Bulk Plant	Hobbs, NM
Customer	COG	Location	Lea	Well	Lusk Deep Unit A 26H

Cement Information - Plug Design ✓

Conc	UOM	Cement/Additive	Sample Type	Sample Date	Lot No.	Cement Properties		
100	% BWOC	Cemex Premium Plus C				Slurry Density	14.8	lbm/gal
6.38	gal/sack	Fresh Water				Slurry Yield	1.3293	ft ³ /sack
						Water Requirement	6.3793	gal/sack
						Total Mix Fluid	6.38	gal/sack
						Water Source	Fresh Water	
						Water Chloride	N/A	

Pilot Test Results Request ID 2246086/1

Thickening Time - ON-OFF-ON, Historical Data JUN/01/2015

Test Temp (°F)	Pressure (psi)	Reached in (min)	70 Bc (hh:mm)
82	1500	4	3:55

Pilot Test Results Request ID 2101060/2

UCA Comp. Strength, Historical Data

End Temp (°F)	Pressure (psi)	50 psi (hh:mm)	500 psi (hh:mm)	8 hr CS (psi)	12 hr CS (psi)	24 hr CS (psi)	48 hr CS (psi)
86	3000	4:04	8:41	416	922	2087	2851

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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 – operator will place full tubing weight on plug when tagged.

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.

Before pumping 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. **The Neat cement shall be mixed according to the API water requirement. If operator requests a variance from the API water requirement, the plug(s) will be tagged and possibly pressure tested.**

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 procedure.