

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**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.
NMNM0207950

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 27. If Unit or CA/Agreement, Name and/or No.
SW247

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other8. Well Name and No.
ROSS FEDERAL COM 1

2. Name of Operator

FASKEN OIL & RANCH LIMITED

Contact: ADDISON GUELKER

E-Mail: addisong@forl.com

9. API Well No.

30-015-10502-00-S1

3a. Address

6101 HOLIDAY HILL ROAD
MIDLAND, TX 79707

3b. Phone No. (include area code)

Ph: 432-687-1777

10. Field and Pool or Exploratory Area
CEMETERY

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

Sec 4 T21S R24E NESW 1980FSL 1980FWL

11. County or Parish, State

EDDY COUNTY, 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.

Fasken Oil and Ranch, Ltd. plans to plug and abandon the above well. Attached is the procedure and current/proposed diagrams.

Depending on the TOC, we may swab and test the Strawn zone, and potentially produce from there. Those steps can also be found in our procedure.

RECEIVED

GC 7/24/19
Accepted for record - NMOCD

JUL 23 2019

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

DISTRICT II-ARTESIA O.C.D.

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

Electronic Submission #462906 verified by the BLM Well Information System

For FASKEN OIL & RANCH LIMITED, sent to the Carlsbad

Committed to AFMSS for processing by DEBORAH MCKINNEY on 04/25/2019 (19DLM0436SE)

Name (Printed/Typed) ADDISON GUELKER

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 04/25/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By



Title

SAET

Date

5-11-19

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

CFO

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)

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

- b. RIW with 5-1/2" x 2-3/8" Arrowset 1 10K packer, SN, 2-3/8" EUE 8rd N-80 tubing. Set packer at 8400'.
 - c. Swab well and evaluate fluid entry.
 - d. If Strawn zone is non-commercial, kill well with 40 bbls 2% kcl water containing clay stabilizer, oxygen scavenger, and inhibitor. Release packer, POW with tubing and lay down BHA.
 - e. RUWL and 3000 psi lubricator. Run 5-1/2" CIBP and set at 8600'. RDWL
 - f. RIW with 2-3/8" notched collar, SN, 2-3/8" EUE 8rd 4.7#/ft N-80 tubing to CIBP at 8600'.
 - g. RU cement pump and mix and pump 125 bbls 9.5# salt gel mud with a minimum of 12.5 pounds of gel per barrel (or 25 sacks at 50 LB/sack per 100 bbls). Displace all cement plugs with mud laden brine water.
 - h. POW with tubing.
13. RIW with 2-3/8" notched collar, SN, 2-3/8" EUE 8rd 4.7#/ft N-80 tubing to PBTD 9020'.
14. RU cement pump and mix and pump one load (+/-120 bbls) 9.5# salt gel mud with a minimum of 12.5 pounds of gel per barrel (or 25 sacks at 50 LB/sack per 100 bbls). Displace all cement plugs with mud laden brine water.
15. RIW with 4-1/2" HD packer, SN, 2-3/8" EUE 8rd N80 tubing and set packer at +/-8200'.
16. **Plug #2:** Open 4-1/2" x 8-5/8" casing to pit. Squeeze perfs at 8,500' with 60 sx Class "H" cement, displacing cement with 9.5 ppg gel laden mud to 8310' or above. *WOC Tag 8320 (T/Strawn Perfs)*
17. Release packer and POW and laying down +/-1500' tubing, SN, packer.
18. RUWL and 3000 psi lubricator. RIW with 3-1/8" casing gun and perforate 4 squeeze holes at 6,750'. RDWL.
19. RIW with 4-1/2" HD packer, SN, 2-3/8" EUE 8rd N80 tubing and set packer at +/-6,400'.
20. **Plug #3:** Open 4-1/2" x 8-5/8" casing to pit. Squeeze perfs at 6,750' with 40 sx Class "C" cement, displacing cement with 9.5 ppg gel laden mud to 6,592' or above. *WOC Tag 6600 (T/WOC)*
21. Release packer and POW and laying down +/-1600' tubing, SN, packer.
22. RUWL and 3000 psi lubricator. RIW with 3-1/8" casing gun and perforate 4 squeeze holes at 5,000'. RDWL.
23. RIW with 4-1/2" HD packer, SN, 2-3/8" EUE 8rd N80 tubing and set packer at +/-4650'.
24. **Plug #4:** Open 4-1/2" x 8-5/8" casing to pit. Squeeze perfs at 5,000' with 40 sx Class "C" cement, displacing cement with 9.5 ppg gel laden mud to 4,842' or above. *WOC Tag*
25. Release packer and POW and laying down +/-1850' tubing, SN, packer.
26. RUWL and 3000 psi lubricator. RIW with 3-1/8" casing gun and perforate 4 squeeze holes at 3,200'. RDWL.
27. RIW with 4-1/2" AD-1 tension packer, SN, 2-3/8" EUE 8rd N80 tubing and set packer at +/-2,800'.
28. **Plug #5: (8-5/8" shoe plug):** Open 4-1/2" x 8-5/8" casing to pit. Squeeze perfs at 3,200' with 60 sx Class "C" cement, displacing cement with 9.5 ppg gel laden mud to 2,988' or above. WOC 4 hours. Release packer RIW with tubing and **TAG** cement plug @ or above 2,988' and notify Midland Office and BLM of the results.
29. Release packer and POW and laying down +/-1800' tubing, SN, packer.

Ross Federal No. 1

Fasken Oil and Ranch, Ltd. Operator

Plug 4 optional

Add Plug to cover Top Glorietta. Perf @ 2547, sqz cnt
To 2427. WOC Tag.

30. RUWL and 3000 psi lubricator. RIW with 3-1/8" casing gun and perforate 4 squeeze holes at 1,000' ³ 935 RDWL.
31. RIW with 4-1/2" AD-1 tension packer, SN, 2-3/8" EUE 8rd N80 tubing and set packer at +/-800'.
32. **Plug #6:** Open 4-1/2" x 8-5/8" casing to pit. Squeeze perms at 1,000' ⁹³⁵ with 30 sx Class "C" cement, displacing cement with 9.5 ppg gel laden mud to 882' or above. 835
33. Release packer and POW and laying down +/-500' tubing, SN, packer.
34. RUWL and 3000 psi lubricator. RIW with 3-1/8" casing gun and perforate 4 squeeze holes at 400' ³⁵⁰ RDWL.
35. **Plug #7 (13-3/8" shoe plug):** Open 4-1/2" x 8-5/8" casing to pit. RIW with pkr, SN and tubing to 10' FS and set pkr. Squeeze perms at 400' ³⁵⁰ with 50 sx Class "C" cement, displacing cement with 9.5 ppg gel laden mud to 200' or above. WOC 4 hours. Release packer RIW with tubing and **TAG** cement plug @ or above 200' and notify Midland Office and BLM of the results.
36. Release packer and lay down SN, packer. RIW with tubing to 60'. Perf @ 60' sqz cnt Sur F.
37. **Plug #8:** ^{Perf @ 60'} Mix and spot a 15 sx Class "C" cement plug at 60', displacing cement to surface.
38. Dig out wellheads and cut-off below "A" section.
39. Weld plate onto casing with marker joint with the following information. Fasken Oil & Ranch Ltd., Ross Federal No. 1., Section 4, T21S, R24E, 1980' FNL and 1980' FWL, Unit S.
40. Install 1" 2000 psi valve welded into top of marker joint. Remove valve handle and close valve.
41. Send wellheads to Downing Wellhead in Midland. Clean location, RDPU and release all rental equipment.

4-24-19

Current as of 9-14-19

Well: **Ross Federal No. 1**
 Operator: **Fasken Oil and Ranch, Ltd.**
 Location: **1980' FSL and 1980' FWL**
Sec 4, T21S, R24E
Eddy County, NM

Compl.: **05/14/1965 released rig**
 API #: **30-015-10502**
 TD: **9815'**
 PBTD: **9,385' (CIBP 9,420' w/ "H" cmt)**
9,665' CIBP

Casing: **13-3/8" 48# H-40 @ 300'**
w/300sx Incor w/2% CaCl2, circ 25 sx
TOC surf
8-5/8" 32# J-55 @ 3100' KB
w/700sx "C" w/4%gel+200sx
w/2% CaCl2, circ 300 sx, TOC surf
4-1/2" 11.6# N-80 @ 9814'
w/200 sx Incor w/7.6#/sk salt+1% Halad 9
TOC 8650' by Temp

Tubing:
 9/14/2017 2-3/8" notched collar 0.50
 2-3/8" cup type SN (Used) 0.30
 287 jts 2-3/8" EUE8rd 4.7#N80 tbg 8817.20
 EOT FS 8818.00

Filled csng w/2% KCL water 9/12/2017
 containing clay stabilizer, O₂
 scavenger, and inhibitor.

MIT Test to 580 psi 23 min no loss

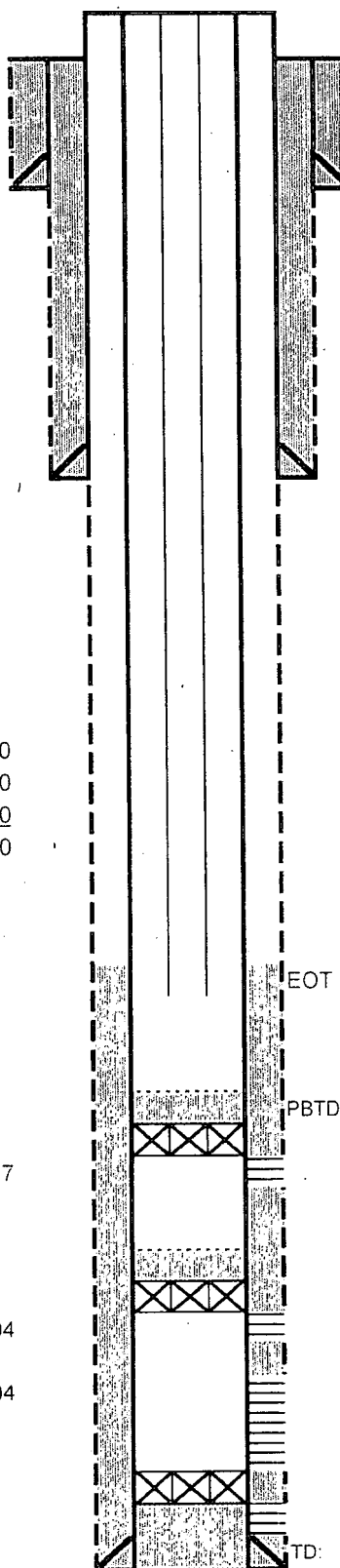
CIBP 9,420' W/3 sk "H" cmt 9/13/2017

Perfs: Morrow
 Yellow 9481'-9488' 21h (3400 mcf) 9/30/2004
 Yellow 9494'-9498' 18h (3400 mcf)
 CIBP 9,540' W/1 sk "H" cmt 9/30/2004
 Aqua 9548'-9559' 33h (Gas TSTM)
 Green 9590'-9600' 30h (Gas TSTM)
 Green Stripe 9606'-9619' 39h (Gas TSTM)
 Purple 9625'-9635' 30h (Gas TSTM)
 CIBP 9665'

9672'-73' (Sqz holes, could not pump into)

Oct-97 Reperfed all 1-11/16" gun 1JSPF (included in cnt)

6-19-04 15 mcf, 0 bc + 0 bwpd



13-3/8" 48# H-40 @ 300' ✓
 w/300sx Incor w/2% CaCl2, circ 25 sx ✓
 TOC surf ✓

8-5/8" 32# J-55 @ 3100' KB ✓
 w/700sx "C" w/4%gel+200sx ✓
 w/2% CaCl2, circ 300 sx, TOC surf ✓

GB 305'
 SA 885'
 GI 2497
 BS 3100
 3BS 6600
 WC 6650
 ST 8410

TOC 8650' by Temp
 EOT 8818' AT 9026
 MR 9345
 Barn 9745

PBTD: 9,385' (CIBP 9,420' w/ "H" cmt)

9,481'-98' ✓

9548'-9559' ✓ } MR

9590'-9600' ✓

9606'-9619' ✓

9625'-9635' ✓

9,665' CIBP

9672'-73'

TD: 9815'

4-1/2" 11.6# N-80 @ 9814' ✓

TOC 8650' by Temp

cwb

4/24/2019

RossFed1 wb diagram.xls

Well: **Ross Federal No. 1**
 Operator: **Fasken Oil and Ranch, Ltd.**
 Location: 1980' FSL and 1980' FWL
 Sec 4, T21S, R24E
 Eddy County, NM
 Compl.: 05/14/1965 released rig
 API #: 30-015-10502
 TD: 9815'
 PBTD: 9,385' (CIBP 9,420' w/ "H" cmt)
 9,665' CIBP

Casing: 13-3/8" 48# H-40 @ 300', TOC 0'
 w/300sx Incor w/2% CaCl₂, circ 25 sx
 TOC surf
 8-5/8" 32# J-55 @ 3100' KB, TOC 0'
 w/700sx "C" w/4%gel+200sx
 w/2% CaCl₂, circ 300 sx, TOC surf
 4-1/2" 11.6# N-80 @ 9814'
 w/200 sx Incor w/7.6#/sk salt+1% Halad 9
 TOC 8650' by Temp

Proposed (4-23-19) Plugs

| | |
|------------------------|--------------------------------------|
| 15 sx "C" 0-60' | Plg #8, Surface |
| 50sx"C" TA 400-200' | Plg #7 Shoe, Perf & Sqz, TAG |
| 30sx"C" 1000'-882' | Plg #6, Perf & Sqz |
| 60sx"C" TA 3200'-2988' | Plg #5 Shoe, Perf & Sqz, TAG |
| 40sx"C" 5000'-4842' | Plg #4, Perf & Sqz |
| 40sx"C" 6750'-6592' | Plg #3, Perf & Sqz |
| 60sx"H" 8500'-8308' | Plg #2, Perf & Sqz |
| CIBP 8500' | Not run if no Strawn perfs 8644'-53' |
| 30 sx"H"TA 9385'-9020' | Plg #1, TAG |

3rd Bone Spr 6600'
 Wolfcamp 6650'

Atoka 9026'
 Morrow 9346'

CIBP 9,420' W/3sk "H" cmt

Perfs: Morrow

Yellow 9481'-9488' 21h (3400 mcfd) 9/30/2004

Yellow 9494'-9498' 18h (3400 mcfd)

CIBP 9,540' W/1 sk "H" cmt 9/30/2004

Aqua 9548'-9559' 33h (Gas TSTM)

Green 9590'-9600' 30h (Gas TSTM)

Green Stripe 9606'-9619' 39h (Gas TSTM)

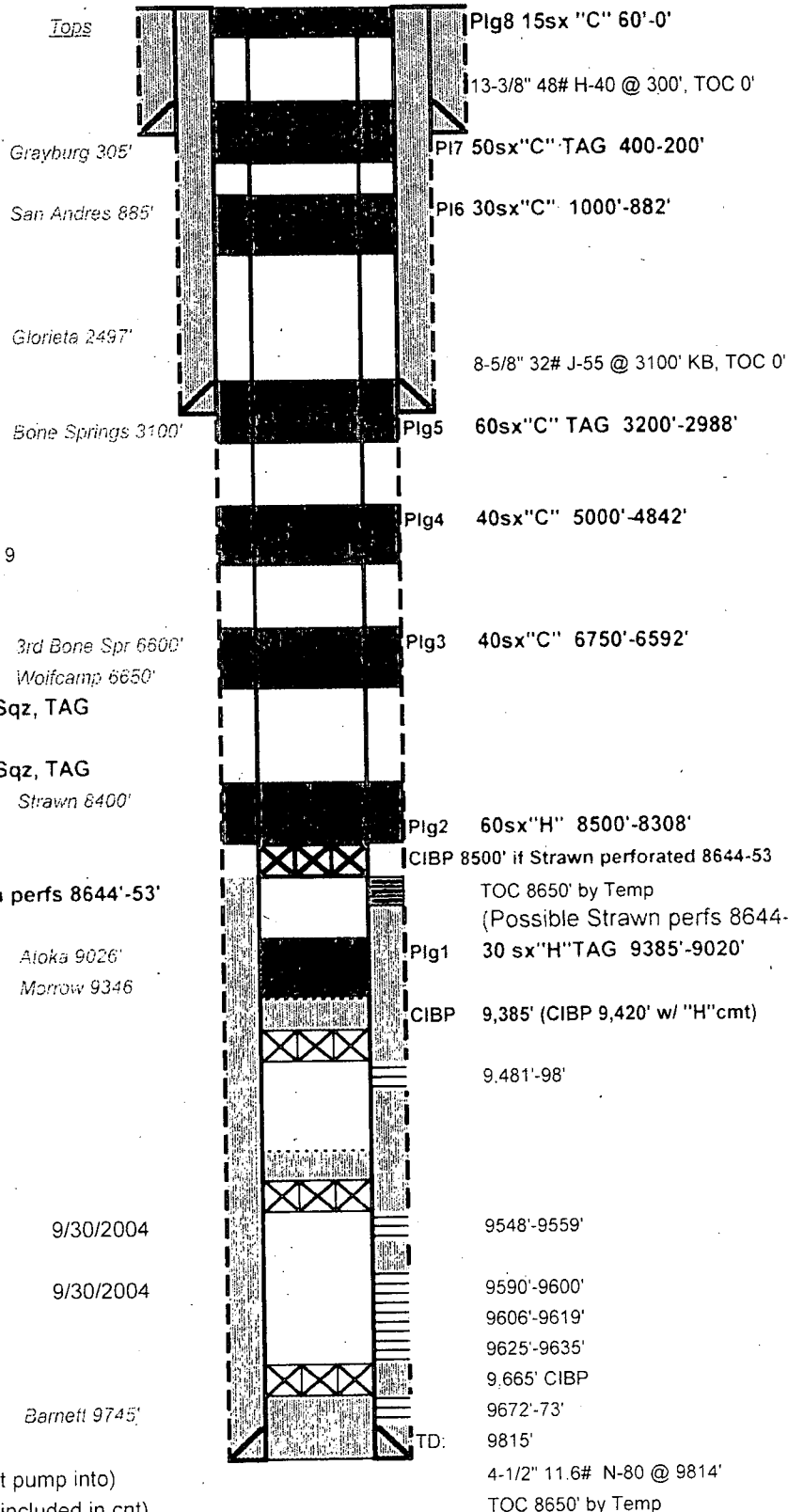
Purple 9625'-9635' 30h (Gas TSTM) Barnett 9745'

CIBP 9665'

9672'-73' (Sqz holes, could not pump into)

Oct-97 Reperfed all 1-11/16" gun 1JSPF (included in cnt)

6-19-04 15 mcfd, 0 bc + 0 bwpd



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.