Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION
ARTESIA DISTRICT
JAN 05 2018
RECEIVED

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.

SUBMIT IN TRIPLICATE - Other instructions on page 2

5. Lease Serial No.
NMNM0506A

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other: INJECTION

8. Well Name and No.
POKER LAKE UNIT 098

2. Name of Operator
BOPCO LP

Contact: TRACIE J CHERRY
E-Mail: tjcherry@~~basspet.com~~ xtoenergy.com

9. API Well No.
30-015-27962

3a. Address
P O BOX 2760
MIDLAND, TX 79702 7

3b. Phone No. (include area code)
Ph: 432-683-2277

10. Field and Pool or Exploratory Area
SWD; DELAWARE

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 30 T24S R31E Mer NMP SWNW 1980FNL 660FWL

11. County or Parish, State
EDDY COUNTY, NM

6401 Holiday Hill Rd Bldg 5 Suite 200

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ 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 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.

BOPCO, LP respectfully submits this sundry notice of intent to plug and abandon the referenced well. Follow COA procedure for approved wellbore abandonment.

SUBJECT TO LIKE APPROVAL BY STATE

1. MIRU plugging company. ND tree and NU 3K manual BOP. Function test BOP. POOH and lay down IPC tubing and packer.

2. PU ~~5-1/2" CIBP and RIH to 4,900?, set CIBP. Tag CIBP to verify. Pump 25 sxs Class C cmt on top of CIBP. (Perf plug)~~

Accepted for record
NMOCD PR 1/3/18

APPROVED

3. ~~0PUH to +/- 4,650?, spot 9.5# salt gel from +/- 4,650' - 3,300'.~~

4. ~~PUH to 4,350?, spot 50 sxs Cl C cmt from 4,350' - 3,850?. WOC & Tag.~~ (T/ Delaware, B/Salt

WITNESS

SEE ATTACHED FOR CONDITIONS OF APPRO

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #394343 verified by the BLM Well Information System
For BOPCO LP, sent to the Carlsbad
Committed to AFMSS for processing by JAMES AMOS on 11/13/2017 ()

Name *(Printed/Typed)* TRACIE J CHERRY — Title REGULATORY ANALYST

Signature (Electronic Submission) — Date 11/07/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By Paul R Swartz 12/06/2017 — Title TPET — Date

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 BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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)

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

Additional data for EC transaction #394343 that would not fit on the form

32. Additional remarks, continued

Plugs, 8-5/8" shoe plug)

5. RIH with jet cutter for 5-1/2" 15.5# casing. Cut casing at 3,300?. Circulate 9.5# salt gel to from 3,300? to surface. Pull and LD 5-1/2" casing.

6. RIH with tubing to 3,350', spot ~~20~~ 25 sxs Class C cmt 3,350' - 3,240'. WOC and tag (Csg Stub plug).

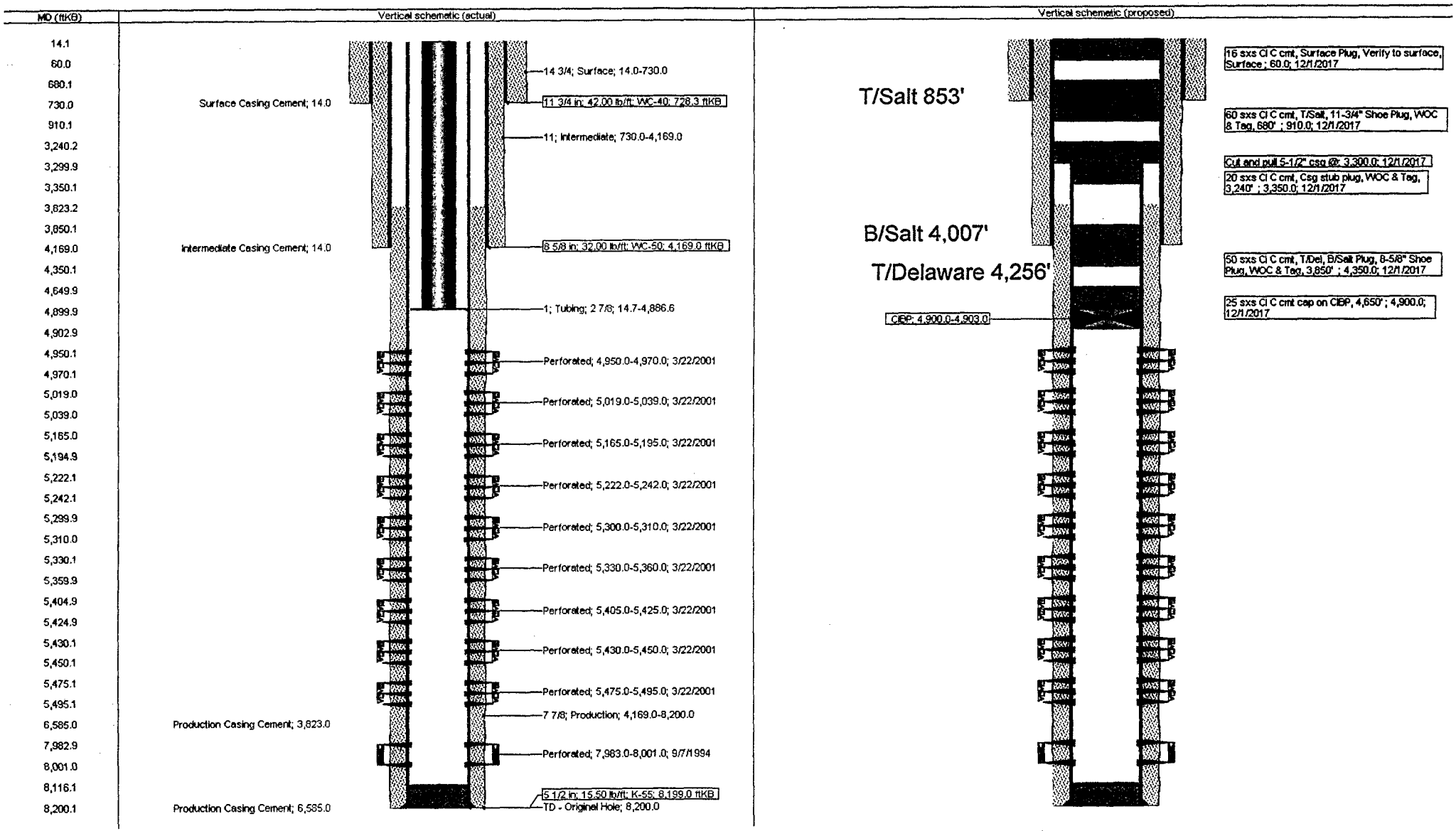
7. PUH to 910', spot 60 sxs Class C cmt from 910? to 680?. WOC and tag (T/Salt, 11-3/4" shoe plug).

8. PUH to 60', spot 16 sxs Class C cmt from 60' to surface. Verify to surface (Surface plug).

9. ND BOP and cut off wellhead 5? below surface. RDMO equipment. Set P&A marker

AL

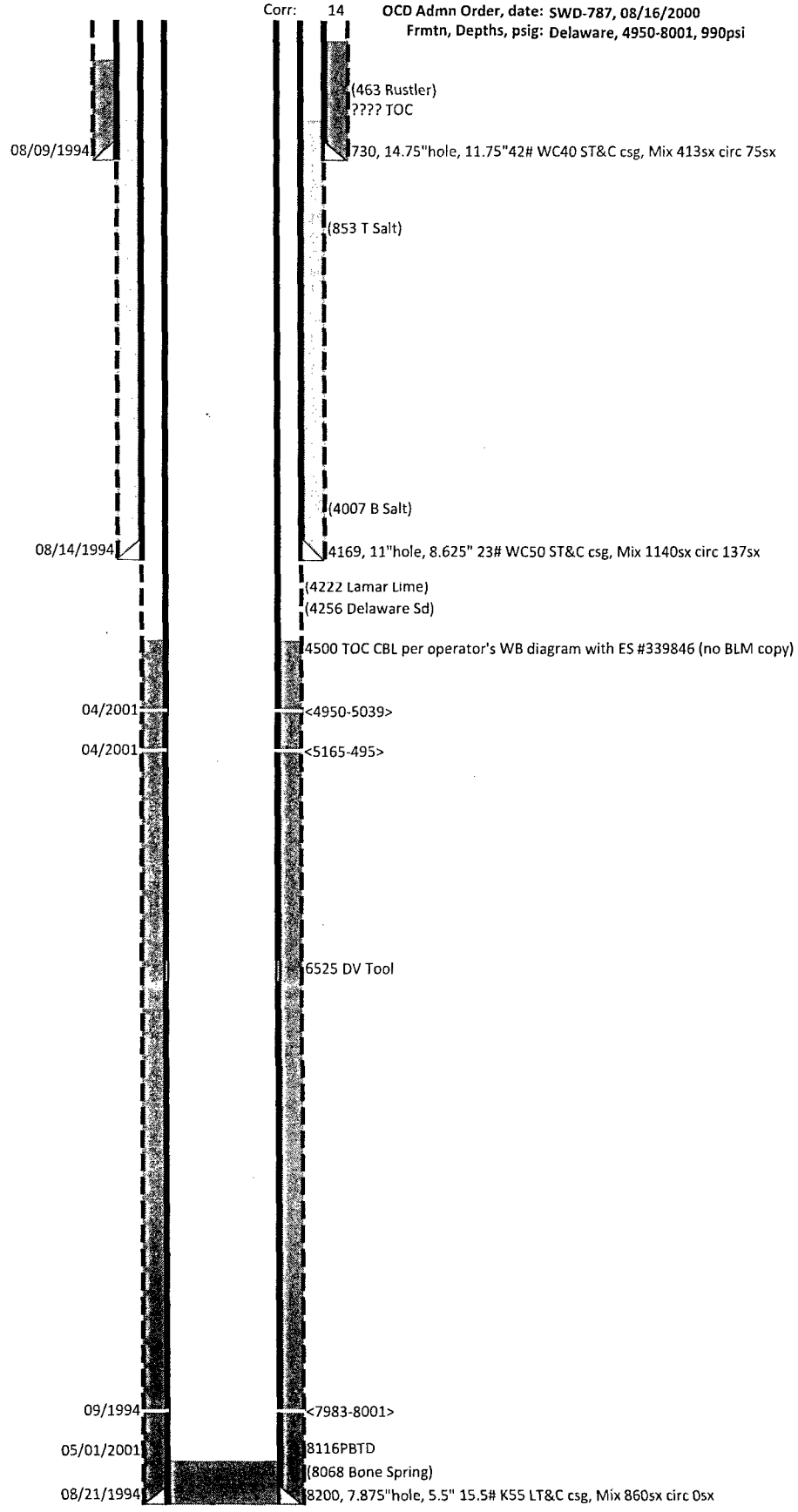
Poker Lake Unit #98 Current and Proposed WBD's



Operator: BOPCO LP
Surface Lease: NM0506a
Case No: NM0506a
Subsurface Concerns for Casing Designs:
Well Status: SWD
Spud date: 8/8/1994
Plug'd Date:
Reentry Date:

BHL: NM0506a
Lease Agreement

Well: POKER LAKE UNIT-98
API: 3001527962
@ Srfce: T24S-R31E,30.1980n660w
@ M TD: T24S-R31E,30.1980n660w
Estate: F\F\F
KB: 3461
GL: 3447
Corr: 14
CWDW, R of W:
OCD Admn Order, date: SWD-787, 08/16/2000
Frmtn, Depths, psig: Delaware, 4950-8001, 990psi



04/11/2001 CTI MIT held 475psig 30m
10/16/2006 MIT held 325 to 320psig 20m

last updated: 12/06/2017

_WB Rcd (5.93, PLU-98 1527962

Conditions of Approval

BOPCO LP
Poker Lake Unit - 98, API 3001527962
T24S-R31E, Sec 30, 1980FNL & 660FWL
December 6, 2017

1. **Within 90 days of these conditions of approval for the processed Electronic Submission #394343 notice of intent begin wellbore operations or request an extension.**
2. **Operator is required to have the BLM approved NOI procedure with applicable conditions of approval on location during this workover operation.**
3. **Conditions of Approval reflect a procedure based on available documentation for this wellbore. The BLM PET workover witness and NOI approver may adjust operations so as not to hinder achievable abandonment requirements.**
4. Due to being within the Lesser Prairie Chicken habitat, this workover activity will be restricted to the hours of 9:00am through 3:00am for the period of March 1 through June 15.
5. Subject to like approval by the New Mexico Oil Conservation Division.
6. Notify 575-361-2822 Eddy Co as work begins. If there is no response leave a voice mail with the API#, workover purpose, and a call back phone number.
7. Surface disturbance beyond the existing pad must have prior approval.
8. A closed loop system is required. The operator shall properly dispose of drilling/circulating contents at an authorized disposal site. Tanks are required for all operations, no excavated pits.
9. Functional H_2S monitoring equipment shall be on location.
10. Blow Out Prevention Equipment 3000 (3M) to be used. All BOPE and workover procedures shall establish fail safe well control. Ram(s) for the work string(s) used is required equipment. Manual BOP closure system including a blind ram and pipe ram(s) designed to close on all (hand wheels or automatic locking devices) equipment installed regardless of BOP design. Function test the installed BOPE to 500psig when well conditions allow. Related equipment, (choke manifolds, kill trucks, gas vent or flare lines, etc.) employed when needed for reasonable well control requirements.
11. Created operation waste (i.e. trash, salts, chemicals, sewage, gray water, etc.) shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during any other crew-intensive operations.
12. The BLM PET is to run tbg tally and agree to cement volumes and placement. Sample each plug for cement curing time and tag and/or pressure test as requested by BLM PET witness.
13. **Cementing procedure is subject to the next three numbered paragraphs.**
14. Mix cement plugs to cover a minimum of 100ft plus 10ft for every 1,000ft to the bottom of the plug, rounding the number of necessary sacks up to the nearest 5 sacks. Never use less than 25sx. Examples: A cement plug set at 8000 in 7" casing would require a min of 35sx. A 25sx plug in 5 ½" casing should cover 250ft, which may exceed 100ft plus 10ft per 1000ft.

15. Class H > 7500ft & C < 7500ft) neat cement plugs(s) will be necessary. For any plug that requires a tag or pressure test a minimum WOC time of 4 hours(C) & 8 hours(H) is recommended. Isolation plugs of Class "C" neat cement to be mixed 14.8#/gal, 1.32 ft^3/sx, 6.3gal/sx water and Class "H" neat cement to be mixed 16.4#/gal, 1.06ft^3/sx, 4.3gal/sx water.
16. Minimum requirement for mud placed between plugs is 25 sacks of saltwater gel per 100 barrels in 9 lb/gal brine.
17. **Clean the wellbore to a tag on the 8116'PBTD and verify the tag is on cmt.**
18. **Set a CIBP within 100' of the 7983' perforation.**
19. **Set a 25sx balanced "H" cmt plug on the CIBP set within 100' of the top perf 7983'. WOC, and tag the plug with tbg at 7780' or above.**
20. **Set a 25sx balanced "C" cmt plug from 6580' or below to cover the DV Tool at 6525'. WOC, and tag the plug with tbg at 6290' or above.**
21. **Set a CIBP within 100' of the 4950' perforation.**
22. **Set a 25sx balanced "H" cmt plug on the CIBP set within 100' of the top perf 4950'. WOC, and tag the plug with tbg at 4680' or above.**
23. **Test the 5 1/2" csg to 500psig.**
24. **Pull a free point on the 5 ½" csg or a CBL from 4600'or below to TOC which has been reported at 4500' by operator.**
25. **Open the 5 ½" x 8 5/8" annular vent, perf the 5 ½" csg at 4350' or below, establish circulation (perfs to csg vent) with 9+lb/gal brine.**
26. **Squeeze (±105sx) "C" cmt plug through a packer leaving the plug top in the 5 ½" csg and 5 ½" x 8 5/8" annulus at 3900' or above. Close the tubing valve and hold 9 lb/gal displacement fluid in place until the plug sets up. Cover the Delaware, Lamar, and Base of Salt across the drilled diameter with cmt. WOC, & tag the plug in csg with tbg at 3960' or above.**
27. **Cut and pull 5 ½" csg as deep as possible (about 3300' as per Step 5 of Operator's procedure OK).**
28. **Set a 25sx balanced "C" cmt plug from +50' inside the 5 ½" stub or below. WOC, and tag the plug with tbg at 3100' in the 8 5/8" csg or above.**
29. **Pull a 8 5/8" CBL from 1000' to TOC and verify the 8 5/8" TOC is above the 730' 11 ¾" csg shoe. A 8 5/8" perf and cmt sqz may be avoided with this information.**
30. **Set a 60sx balanced "C" cmt plug from 910' or below' to cover the 11 ¾"csg shoe and Top of Salt. WOC, and tag the plug with tbg at 680' or above.**
31. **Perf at 60' or below. Establish circulation through the 8 5/8" x 14 3/4" annulus. Fill with (±20sx) balanced "C" cmt plug and verify the 8 5/8" x 14 3/4" annulus and 8 5/8'' csg from 60' cemented to surface.**
32. File **subsequent sundry** Form 3160-**5** within 30 days of workover procedures. Include (dated daily) descriptions of the well work, i.e. procedure descriptions and setting depths of each plug in the subsequent sundry.

Lesser Prairie Chicken Habitat Area Dry Hole Markers

Stamp or engrave (3/8" letters) information for the plugged well on 8"x 8"aluminum plate of 1/8", 12 gauge, or .080 sign material similar to this example:

Ajax Operating Company
Tailspin – 22
1980FNL & 660FWL - Sec 16 - T22S-R31E
Lease LC029567 API 3001534567
Plugged July 17, 2017

1. Center a 3 to 4 foot pipe at a right angles on a 8"x8"x 1/8" or 3/16" steel plate and weld the pipe to the plate.
2. Cement the pipe vertically inside the abandoned surface casing. Leave the steel plate about 2" above and horizontal to ground level.
3. Fix the well information plate to the steel plate with ¼ inch bolts and locking nuts or self-tapping fine threaded screws (one in each corner).
4. On the BLM Form 3160-5 subsequent report of abandonment state that a ground level dry hole marker installed as required by BLM and NMOCD Order No. R-12965.

Reclamation Objectives and Procedures

In Reply Refer To: 1310

Reclamation Objective: 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 and all contaminants, scrap/trash, equipment, pipelines and powerlines. Strip and remove caliche, contour the location to blend with the surrounding landscape, re-distribute the native soils, provide erosion control as needed, rip and seed as needed. This will apply to well pads, facilities, and access roads. Barricade all access road(s) at the starting point. If reserve pits have not been adequately reclaimed due to salts or other contaminants, propose a plan for BLM approval to provide restoration of the pit area.

1. The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations should have included 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 locations and/or access roads not having an approved plan, or an inadequate plan for surface reclamation the operator must submit a proposal describing the procedures for reclamation. The appropriate time for submittal would be when filing the Notice of Intent, or with the Subsequent Sundry Report of Abandonment on Form 3160-5. The final reclamation goal is to be completed within 6 months of wellbore abandonment.
3. With 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 may 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.
4. Upon reclamation conclusion submit a Form 3160-5, Subsequent Report of Reclamation. This will prompt a BLM specialist to inspect the location to verify work was completed as per approved plans.
5. The BLM approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been tentatively reestablished. If the objectives have not been met BLM will be notify the operator of the required corrective actions.
6. It is the responsibility of the operator to monitor these locations and/or access roads until such time the full 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 full 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 a BLM specialist will again 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 for 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 Environmental Protection Specialist
575-234-5909, 575-361-2648 (Cell)

Robertson, Jeffery
Natural Resource Specialist
575-234-2230, 575-706-1920 (Cell)

Trishia Bad Bear
Natural Resource Specialist
575-393-3612, 575-390-2258 (Cell)

Vance Wolf
Natural Resource Specialist
575-234-5979

Jesse Bassett
Natural Resource Specialist
575-234-5913, 575-499-5114 (Cell)

Brooke Wilson
Natural Resource Specialist
575-234-6237

Paul Murphy
Natural Resource Specialist
757-234-5975, 575-885-9264 (Cell)

Arthur Arias
Environmental Protection Specialist
575-234-6230, 575-499-3378 (Cell)

Henryetta Price
Environmental Protection Specialist
575-234-5951, 575-706-2780 (Cell)

Shelly Tucker
Environmental Protection Specialist
575-234-5905, 575-361-0084 (Cell)

Bureau of Land Management
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
General Plugback & Plg Guidelines

1. Within a wellbore, all penetrated formation tops of usable-quality water, oil, gas, or geothermal bearing resources, prospective valuable deposit of minerals, and/or receive disposal fluids with a potential to migrate between formations via the wellbore shall be isolated with cement plugs covering the drilled wellbore diameter from 50ft or more below to 50ft or more above when abandoned.
2. Casing shoes, casing stubs, liner tops, and DV Tools shall be isolated with cement plugs covering the drilled wellbore diameter from 50ft or more below to 50ft or more above.
    a. Below 7500ft, use Class "H" neat cmt mixed 16.4#/gal, 1.06ft³/sx, 4.3gal/sx water, with a WOC time of 8hrs..
    b. Above 7500ft, use Class "C" neat cmt mixed 14.8#/gal, 1.32 ft³/sx, 6.3gal/sx water, with a WOC time of 4hrs.
3. Mix formation isolation cmt plugs **(never use less than 25sx)** for a vertical depth of 100ft plus 10ft for every 1,000ft to the bottom of the plug, rounding the number of necessary sacks up to the nearest 5 sacks.
    a. A plug set from 8000ft in 7" casing with bonded cement would require 180ft of cement slurry or 35sx.
    b. A 25sx plug set from 800ft in 5 ½" csg with bonded cement will cover 250ft. The plug will exceed 100ft plus 10ft per 1000ft.
4. Verify all plug tops by tagging with tbg and always pressure test cmt plugs set above wellbore flow.
5. Place mud (25sx saltwater gel/100bbls mixed in 9lb/gal brine) between plugs.
6. If at plug depth cmt/csg bonding is missing, perforate at lowest plug depth and sqz cmt behind csg or cut and pull csg prior to cementing the drilled wellbore diameter.
7. Within a formation isolate with:
    a. A cmt plug at the bottom of open hole completions.
    b. Two 100ft plugs for a extremely thick single formation In open hole. The plugs are to cover from 50ft or more below to 50ft or more above the formation base and from 50ft or more below to 50ft or more above the formation top.
    c. A cmt plug opposite open perforations with cmt/csg bonding. Extend the plug 50ft or more below to 50ft or more above the perf'd interval.
    d. A CIBP set less than 100' above open perfs with cmt/csg bonding.
    e. Dump bail 35'of cmt on top of CIBP(s) set to abandon the lower nonproducing perforations within a formation.
    f. A balanced cmt plug set with tbg above the topmost CIBP of a formation.
8. Space cmt plugs no more than 2000ft apart in open hole and no more than 3000ft apart in cased hole.
9. In the designated R-111-P Secretary Potash Area, balance a solid cmt plug from 50ft or more below to 50ft or more above the salt section in the drilled wellbore diameter. Mix this cmt slurry with 10lb/gal brine common to this salt section and no more than 03% CaCl wt. to cmt wt. whenever possible.
10. Outside the R-111-P area, isolate the salt section by placing a cmt plug from 50ft or more below to 50ft or more above the base of salt and top of salt section.
11. Isolate a drilled wellbore from the Capitan Reef and Cave Karst horizons by placing a cmt plug from 50ft or more below to 50ft or more above the base.
12. Set a cmt plug to surface (less than 25sx OK) from 60ft or below ground level. Verify the drilled wellbore diameter plugged with cmt and no annular space extends to the surface from the drilled hole below.