

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.*

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

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other: INJECTION		5. Lease Serial No. NMLC068430	
2. Name of Operator BOPCO LP		6. If Indian, Allottee or Tribe Name	
3a. Address <del>PO BOX 2760</del> MIDLAND, TX 79702 7		7. If Unit or CA/Agreement, Name and/or No. NMNM71016G	
3b. Phone No. (include area code) Ph: 432-683-2277		8. Well Name and No. POKER LAKE UNIT 188Y	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T24S R30E Mer NMP NENW 695FNL 1880FWL <b>6401 Holiday Hill Rd Bldg 5 Suite 200</b>		9. API Well No. 30-015-33776	
10. Field and Pool or Exploratory Area NASH DRAW; DELAWARE		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.

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

1. MIRU plugging company. ND tree and NU 3K manual BOP. Function test BOP. POOH and lay down IPC tubing and packer. **COA step 17**

2. PU 5-1/2" CIBP and RIH to 7,270' and set. Tag CIBP @ to verify. Pump 25 sxs Class C cmt on top of CIBP. (Perf plug) **COA step 20**

3. PUH to +/- 7,020', spot 9.5# salt gel from +/- 7,020' to surface.

4. PUH to 3,632', spot 20 sxs GLC cmt from 3,630' - 3,350' WOC & Tag. (T/ Delaware, B/Salt).

**WITNESS**

**APPROVED**

**SUBJECT TO LIKE  
APPROVAL BY STATE  
SEE ATTACHED FOR  
CONDITIONS OF APPROVA**

**Accepted for record  
NMOCD RI**

1/3/18

14. I hereby certify that the foregoing is true and correct. Electronic Submission #394334 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 <b>PR Swartz</b> 12/07/2017	Title <b>TPET</b>	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.		<b>BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE</b>
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 #394334 that would not fit on the form**

**32. Additional remarks, continued**

POOH.

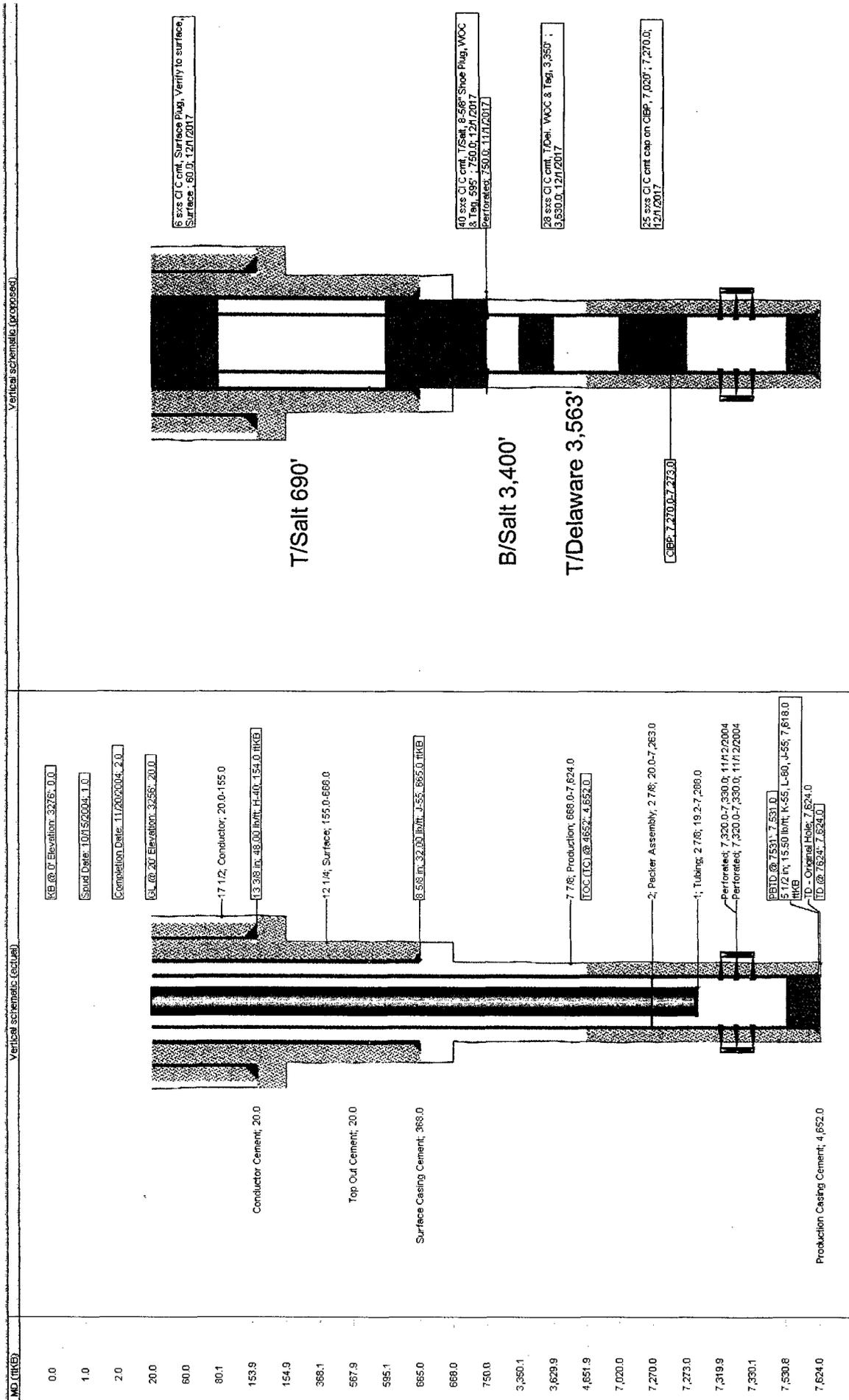
*COA step 21.*

5. RIH & perf 5-1/2" casing @ 750'. Sqz 40 sxs Class C cmt leaving cement in 5-1/2" casing from 750' to 595'. WOC and tag (T/Salt, 8-5/8? shoe plug).

6. PUH to 60', spot 6 sxs Class C cmt from 60' to surface. Verify to surface (Surface plug).

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

# Poker Lake Unit #188Y Current and Proposed WBD's



## Conditions of Approval

### **BOPCO LP**

**Poker Lake Unit – 188Y, API 3001533776**

**T24S-R30E, Sec 05, 695FNL & 1880FWL**

**December 7, 2017**

1. **Within 90 days of these conditions of approval for the processed Electronic Submission #394334 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 workover witness and NOI approver may adjust operations so as not to hinder achievable abandonment requirements.**
4. Subject to like approval by the New Mexico Oil Conservation Division.
5. 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.
6. Surface disturbance beyond the existing pad must have prior approval.
7. 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.
8. Functional H<sub>2</sub>S monitoring equipment shall be on location.
9. 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.
10. 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.
11. 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.
12. **Cementing procedure is subject to the next three numbered paragraphs.**
13. 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.
14. 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<sup>3</sup>/sx, 6.3gal/sx water and Class "H" neat cement to be mixed 16.4#/gal, 1.06ft<sup>3</sup>/sx, 4.3gal/sx water.
15. Minimum requirement for mud placed between plugs is 25 sacks of saltwater gel per 100 barrels in 9 lb/gal brine.
  16. Well is located within the Secretary Potash and Medium Cave Karst Areas and was required to have 3 csgs, 2 circ cmnt, production cement overlap intermediate 500'. Operator reports indicate only two csgs were ran and the production TOC was 4000' below the next csg shoe.
  17. Tag PBD and set a balanced 25sx Class "H" cement plug at that depth. WOC and tag the plug with tbg at 7350' or above to cover the Bone Spring formation top.
  18. After the CIBP is set within 100' of the top perf 7320' pressure test the 5 ½" casing.
  19. Set a min 25sx balanced "C" cmt plug on the CIBP set within 100' of the top perf 7320'. WOC, and tag the plug with tbg at 7120' or above.
  20. Set a min 25sx balanced "C" cmt plug from 5800' or below. WOC, and tag the plug with tbg at 5580' or above and cover the Brushy Canyon formation top.
  21. **Option 1- pull csg (preferred)**
    - a) Pull a free point on the 5 ½" csg and run a CBL from 5500' at 0psig to TOC. TOC reported at 4652' per a temp survey.
    - b) Cut and pull the 5 ½" csg as deep as possible.
    - c) Set a balanced min 40sx "C" stub plug from ±60' inside the 5 ½" stub. WOC, tag the plug w/tbg in the drilled hole at 4340' or above.
    - d) Set a balanced min 110sx "C" plug from ±3700' below the Ramsey, Delaware, Bell Canyon, and Base of Salt. WOC, tag the plug w/tbg in the drilled hole at 3290' or above.
    - e) Set a balanced min 45sx "C" plug from 760' below the Top of Salt and 8 5/8" csg shoe. WOC, tag the plug w/tbg in the 8 5/8" csg at 600' or above.
  22. **Option 2 - perf csg**
    - a) Perf at 3700' below the Ramsey, Delaware, Bell Canyon, and Base of Salt.
    - b) Establish an inj rate w/brine. Sqz the 3700' perf with a min of 95sx "C" cmt and place a plug across the drilled well diameter to 3300'. Pmp displacement volume, close the tbg valve and WOC. Tag the plug with tbg at 3300' or above.
    - c) Perf at 760' below the Top of Salt and 8 5/8" csg shoe.
    - d) Establish an inj rate w/brine. Sqz the 760' perf with a min of 45sx "C" cmt and place a plug across the drilled well diameter and in the 5 ½" csg and the 5 ½" x 8 5/8" annulus. Pmp displacement volume, close the tbg valve and WOC. Tag the plug with tbg at 600' or above.
  23. Perf at 60' or below. Establish circulation to surface through the 8 5/8 csg to the 12 ¼" drilled hole. Fill with (±20sx) balanced "C" cmt plug and verify the 8 5/8" csg and 12 ¼" hole from 60' cemented to surface.
  24. 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.

Operator: BOPCO, LP  
 Surface Lease: LC068430  
 Case No: NM71016g

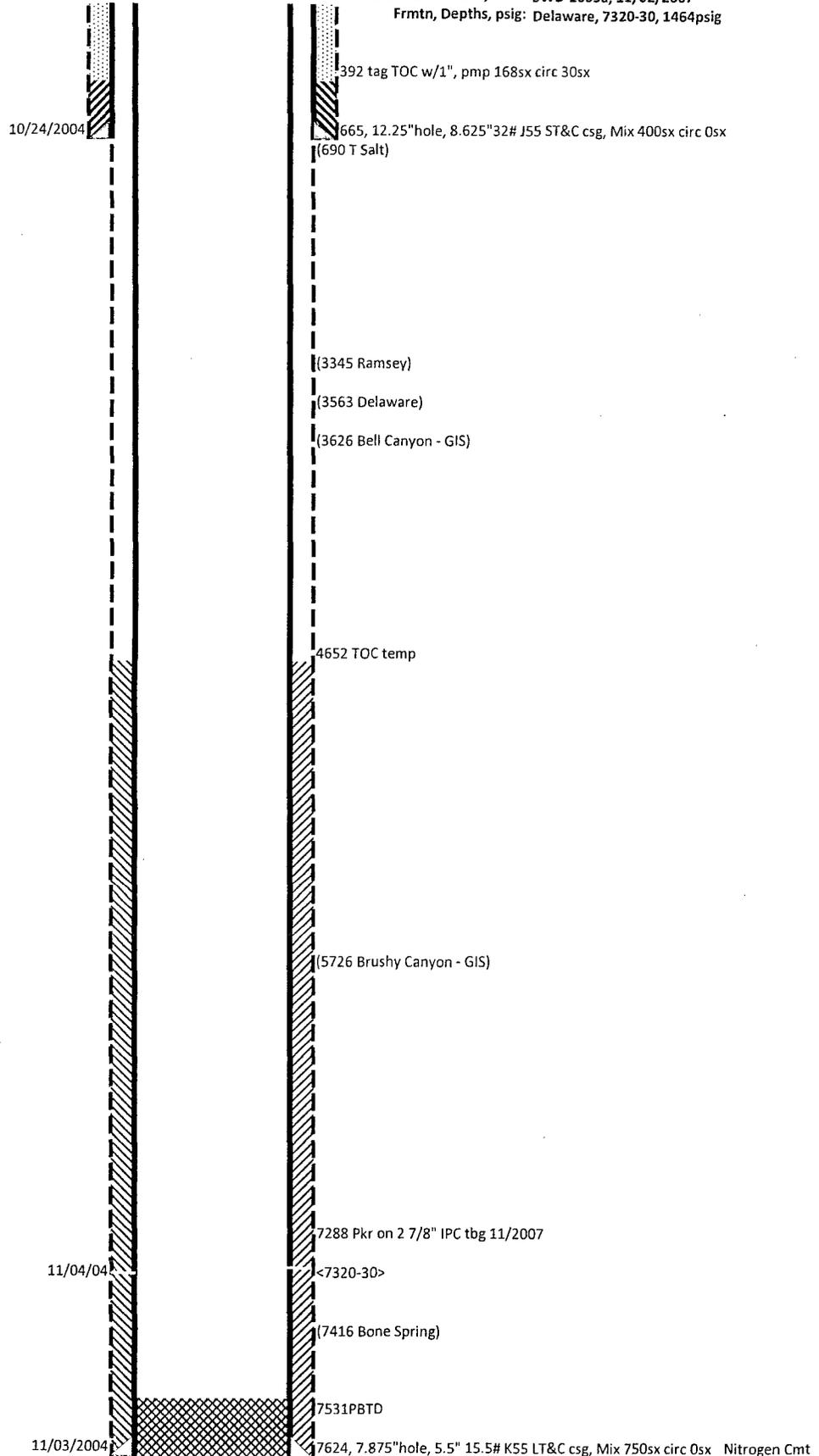
BHL: LC068430  
 Unit Agreement

Well: POKER LAKE UNIT-188Y  
 API: 3001533776  
 @ Srfce: T24S-R30E,05.695n1880w  
 @ MTD: T24S-R30E,05.695n1880w  
 Estate: F\F\F

Subsurface Concerns for Casing Designs: Sec P MdmCvKst  
 Well Status: SWD  
 Spud date: 10/22/2004  
 Plug'd Date:  
 Reentry Date:

KB: 3276  
 GL: 3256  
 Corr: 20

CWDW, R of W:  
 OCD Admn Order, date: SWD-1065a, 11/02/2007  
 Frmtn, Depths, psig: Delaware, 7320-30, 1464psig



11/06/2007 MIT held 520psig 30m  
 10/19/2010 MIT held 500psig 30m

## 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, 1.06ft<sup>3</sup>/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 ft<sup>3</sup>/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/100bbbls 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.