

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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OCD Hobbs
DEC 21 2009
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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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM71784 ✓
2. Name of Operator CHESAPEAKE OPERATING, INC. Contact: LINDA GOOD E-Mail linda.good@chk.com		6. If Indian, Allottee or Tribe Name
3a. Address P.O. BOX 18496 OKLAHOMA CITY, OK 73154-0496	3b. Phone No. (include area code) Ph: 405-935-4275	7. If Unit or CA/Agreement, Name and/or No
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 27 T19S R32E NWNW 660FNL 660FWL		8. Well Name and No. TONTO FEDERAL 1 ✓
		9. API Well No. 30-025-00922 ✓
		10. Field and Pool, or Exploratory LUSK - DELAWARE ✓
		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"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Alter Casing
	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> New Construction
	<input checked="" type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input type="checkbox"/> Other
	<input type="checkbox"/> Temporarily Abandon
	<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 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 recompleation 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.)

CHESAPEAKE, RESPECTFULLY, REQUESTS PERMISSION TO PLUG AND ABANDON THIS WELL PER THE FOLLOWING PROCEDURE.

1. NOTIFY THE BLM 24 HOURS IN ADVANCE PRIOR TO COMMENCING PLUG AND ABANDONMENT OPERATIONS.
2. HOLD PJSAs PRIOR TO BEGINNING WORK EACH MORNING AND AS REQUIRED FOR SPECIFIC OPERATIONS.
3. RACK AND TALLY 238 JOINTS OF 2-7/8" N-80 WORKSTRING
4. PREPARE LOCATION. TEST ANCHORS.
5. MIRU PU. NDWH. POH W/PUMP AND RODS.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

**RECLAMATION PROCEDURE
ATTACHED**

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

Electronic Submission #78302 verified by the BLM Well Information System
For CHESAPEAKE OPERATING, INC., sent to the Hobbs

Name (Printed/Typed) LINDA GOOD	Title SR. REGULATORY COMPLIANCE SPEC
Signature (Electronic Submission)	Date 12/03/2009

THIS SPACE FOR FEDERAL OR STATE OFFICIAL USE

Approved By 	APPROVED	Date DEC 22 2009
DISTRICT 1 SUPERVISOR	DEC 16 2009	
Office /s/ Dustin Winkler		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowing and intentionally providing false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

Additional data for EC transaction #78302 that would not fit on the form

32. Additional remarks, continued

6. NU BOP. TOH W/TUBING.

7. RIH W/CIBP AND SET @ 6,400' AND DUMP 35' OF CEMENT ON TOP. WAIT ON CEMENT AND TAG PLUG. (TOP OF WOLFCAMP PERFS @ 6,491')

8. LOAD WELL WITH PLUGGING MUD AND PRESSURE UP TO 500# AND TEST FOR LEAK-OFF.

9. RIH W/TUBING TO 4,582' AND SPOT A 100' CEMENT PLUG. PUH, WAIT ON CEMENT AND TAG PLUG. (9-5/8" CASING SHOE @ 4,532')

10. PERFORATE CASING W/4 SQUEEZE HOLES @ 2,610' AND SPOT A 100' CEMENT PLUG INSIDE AND OUT. WAIT ON CEMENT AND TAG PLUG. (BASE OF SALT @ 2,560')

11. PERFORATE CASING W/4 SQUEEZE HOLES @ 1,206' AND SQUEEZE A 100' CEMENT PLUG INSIDE AND OUT. WAIT ON CEMENT AND TAG PLUG. (TOP OF SALT @ 1,156')

12. PERFORATE CASING W/4 SQUEEZE HOLES @ 562' AND SQUEEZE A 100' CEMENT PLUG INSIDE AND OUT. WAIT ON CEMENT AND TAG PLUG. (13-3/8" CASING SHOE @ 512')

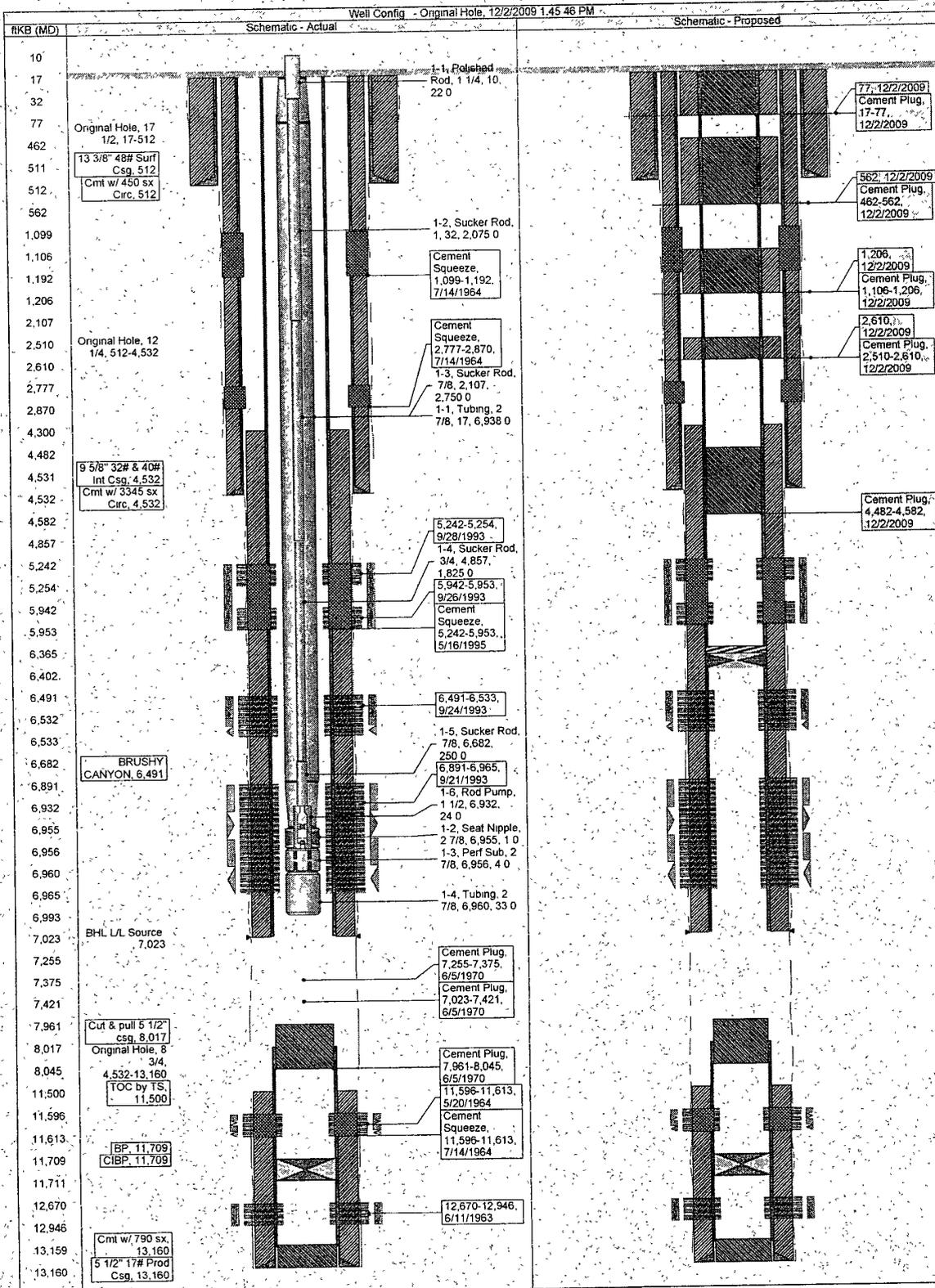
13. PERFORATE CASING W/4 SQUEEZE HOLES @ 77' AND SQUEEZE A CEMENT PLUG INSIDE AND OUT. CIRCULATE TO SURFACE. TOP OF CASING. POH.

14. RDMO. INSTALL DRY HOLE MARKER AND CUT OFF DEAD MAN. RESTORE LOCATION.

(CHK PN 890802).

Field: LUSK DELAWARE
 County: LEA
 State: NEW MEXICO
 Location: SEC 27, 19S-32E, 660 FNL & 660 FWL
 Elevation: GL 3,588.00 KB 3,605.00
 KB Height: 17.00

Spud Date: 7/21/1962
 Initial Compl. Date:
 API #: 3002500922
 CHK Property #: 890802
 1st Prod Date: 12/1/1976
 PBD: Sidetrack 1 - 7130.0
 TD: 13,160.0





**Tonto Federal #1
Plug and Abandonment
Lea County, NM**

Current Wellbore Information

TD: 13,160' PBD: 7,130'

Casing	OD	Weight	Grade	Depth Set	TOC
Surface	13-3/8"	48#	H-40	512'	Surface
Intermediate	9-5/8"	32# & 40#	H-40 & J-55	4,532'	Surface
Production	5-1/2"	17#	K-55	13,160'	4,300'

Perfs	Top Perf	Bottom Perf	Status
Brushy Canyon	5,242'	5,254'	Squeezed
Brushy Canyon	5,942'	5,953'	Squeezed
Brushy Canyon	6,491'	6,533'	Open
Brushy Canyon	6,891'	6,965'	Open
Strawn	11,596'	11,613'	Squeezed
Morrow	12,670'	12,946'	Abandoned

OIH	Size	Location
CIBP w/ 35' cement	5-1/2"	10,550'
CIBP w/ 35' cement	5-1/2"	10,000'
84' Cement plug	5-1/2"	7,534'

Formation Tops	Location
Top of Rustler	960'
Top of Salt	1,156'
Base of Salt	2,560'
Top of Yates	2,640'
Top of Cherry Canyon	4,710'
Top of Brushy Canyon	5,900'

GL: 3,588' KB: 17' KB Height: 3,605'

Procedure

1. Notify the BLM 24 hours in advance prior to commencing plug and abandonment operations.
2. Hold PJSA prior to beginning work each morning and as required for specific operations.
3. Rack and tally 238 joints of 2-7/8" N-80 workstring.
4. Prepare location. Test anchors.
5. MIRU PU. NDWH. POH w/ pump and rods.
6. NU BOP. TOH w/ tubing.
7. RIH w/ CIBP and set @ 6,400' and dump 35' of cement on top. Wait on cement and tag plug (Top of Wolfcamp perfs @ 6,491').
8. Load well with plugging mud and pressure up to 500# and test for leak-off.
9. RIH w/ tubing to 4,582' and spot a 100' cement plug. PUH, wait on cement and tag plug (9-5/8" Casing Shoe @ 4,532').

- 10 Perforate casing w/ 4 squeeze holes @ 2,610' and spot a 100' cement plug inside and out. Wait on cement and tag plug... (Base of Salt @ 2,560')
- 11 Perforate casing w/ 4 squeeze holes @ 1,206' and squeeze a 100' cement plug inside and out. Wait on cement and tag plug (Top of Salt @ 1,156')
- 12 Perforate casing w/ 4 squeeze holes @ 562' and squeeze a 100' cement plug inside and out. Wait on cement and tag plug (13-3/8" Casing Shoe @ 512')
- 13 Perforate casing w/ 4 squeeze holes @ 77' and squeeze a cement plug inside and out. Circulate to surface Top of casing. POH
14. RDMO. Install dry hole marker and cut off dead man Restore location

Contacts

Production Foreman
Ralph Skinner
Office: 575-391-1462
Cell: 575-441-4921

Asset Manager
Kim Henderson
Office: 405-935-8583
Cell: 405-312-1840

Chesapeake Operating, Inc.
NM-71784: Tonto Federal #1
API: 30-025-00922
Lea County, New Mexico

RE: Plugging and Abandonment Requirements, Conditions of Approval

1. OK
2. OK
3. OK
4. OK
5. OK
6. Before tripping out of hole, tag PBTD of 7100 or shallower. If deeper, contact BLM and COA may change – Otherwise OK
7. OK (Perfs)
8. OK
9. CHANGE: Perf and squeeze a 300' plug (25sx minimum) from 4785'-4485'. If injection rate cannot be established, spot plug 50' below perfs. WOC and tag at 4485' or shallower. (Delaware – Casing shoe)
10. Plug to be a minimum 25 sx and 130' in length. If injection rate cannot be established, spot plug 50' below perfs. Tag at 2480' or shallower – Otherwise OK (Yates – BOS)
11. Plug to be a minimum 25 sx and 110' in length. Tag at 1096' or shallower – Otherwise OK (TOS)
12. Minimum 25 sx.– Otherwise OK (Casing shoe)
13. OK (Surface)
14. OK
15. Submit a subsequent report to the BLM.

See attached standard COAs.

DHW 121609

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. In lieu of a cement plug in a cased hole, 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. Any plug that requires a tag will have a minimum WOC time of 4 hours.

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 when the wellhead is cut off to verify that cement is to surface in the casing and all annuluses.** The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement. 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 five 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.

DHW 112309



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
620 E. Greene St.
Carlsbad, New Mexico 88220-6292
www.blm.gov/nm



In Reply Refer To 1310

Interim Reclamation Procedures

Reclamation Objective: Oil and gas development is one of many uses of the public lands and resources. While development may have a short- or long-term effect on the land, successful reclamation can ensure the effect is not permanent. During the life of the development, all disturbed areas not needed for active support of production operations should undergo "interim" reclamation in order to minimize the environmental impacts of development on other resources and uses.

Interim reclamation consists of minimizing the footprint of disturbance by reclaiming all portions of the well site not needed for production operations. The portions of the cleared well site not needed for operational and safety purposes are recontoured to a final or intermediate contour that blends with the surrounding topography as much as possible. Sufficient level area remains for setup of a workover rig and to park equipment. Topsoil is respread over areas not needed for all-weather operations. Production facilities should be clustered to maximize the opportunity for interim reclamation. In order to inspect and operate the well or complete workover operations, it may be necessary to drive, park, and operate on restored, interim vegetation within the previously disturbed area. This is generally acceptable provided damage is repaired and reclaimed following use.

To reduce final reclamation costs; maintain healthy, biologically active topsoil; and to minimize habitat, visual, and forage loss during the life of the well, all salvaged topsoil should be spread over the area of interim reclamation, rather than stockpiled.

1. The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include 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 wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). Interim reclamation is to be completed within 6 months of well completion.
3. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with interim reclamation as per approved APD or Sundry Notice. If you have issues or concerns, contact a BLM specialist to assist you. It would 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. Upon conclusion submit a Form 3160-5, Subsequent Report of Reclamation. This will prompt a specialist to inspect the location to verify work was completed as per approved plans.
4. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.
5. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met.

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)

Cody Layton
Natural Resource Specialist
575-234-5959

Terry Gregston
Environmental Protection Specialist
575-234-5958

Trishia Bad Bear
Natural Resource Specialist
575-393-3612

Bobby Ballard
Environmental Protection Specialist
575-234-2230

Todd Suter
Surface Protection Specialist
575-234-5987

Randy Rust
Environmental Protection Specialist
575-234-5943

Doug Hoag
Civil Engineering Technician
575-234-5979

Linda Denniston
Environmental Protection Specialist
575-234-5974

Jennifer Van Curen
Environmental Protection Specialist
575-234-5905

Justin Frye
Environmental Protection Specialist
575-234-5922