

**RECEIVED**  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
DEC 28 2009  
SUNDY NOTICES AND REPORTS ON WELLS

OOD-HOPES

FORM APPROVED  
OMB NO. 1004-0137  
EXPIRES: March 31, 2007

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 checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator DEVON ENERGY PRODUCTION COMPANY, LP	
3a. Address 20 North Broadway, Ste 1500, Oklahoma City, OK 73102	3b. Phone No. (include area code) 405-552-4615
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1980 FSL 1980 FEL J 15 T23S R32E	

5. Lease Serial No. NM 84728
6. If Indian, Allottee or Tribe Name
7. Unit or CA Agreement Name and No.
8. Well Name and No. Tomcat 15 Federal #2
9. API Well No. 30-025-33909
10. Field and Pool, or Exploratory Area Diamondtail Delaware
11. County or Parish, State LEA 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"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<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 Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work and approximate duration thereof. If the proposal deepens directionally or recompletes horizontally, give subsurface location 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 recompletion 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 requirement, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection)

PROPOSED PLUG & ABANDONMENT

1. MIRU. Mix +/- 25 mCi of IR 192 ZWLD Tracer with cement (Pro Technics Company-OKC). Apply 500 psi pressure inside 5-1/2" casing. Establish pump in rate and braiden head cement down 8-5/8" X 5-1/2" casing annulus. Calc Annulus Volume is approx 700 sx to TOC @ 5130' (noted by cbl 3/17/00) on 5-1/2" casing.
2. Latch RBP @ 5166'. POOH W/RBP.
3. Run GR tool to verify cement displacement on 5-1/2" casing annulus.
4. TIH W/CIBP and set @ +/- 5175'. Cap CIBP W/35' cement. (Delaware perms from 5207 to 5530)
5. Circulate wellbore w/10 ppg mud.
6. Spot 25 sx cement across 8-5/8" shoe from 4739' to 4991'. Tag TOC.
7. Spot 25 sx cement from 1988' to 2240'.
8. Spot 25 sx cement across 13-3/8" shoe from 468' to 720'. Tag TOC.
9. Spot 25 sx cement surface plug from 252' to surface.
10. Cut wellhead off 3' below ground level & set dry hole marker.

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

**RECLAMATION PROCEDURE  
ATTACHED**

14. I hereby certify that the foregoing is true and correct Name: Ronnie Slack	Title: Operations Technician
Signature: <i>Ronnie Slack</i>	Date: 12/4/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by: <i>[Signature]</i>	Title: <i>[Signature]</i>	Date: <i>[Signature]</i>
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 or operations thereon.		
Office: <i>[Signature]</i>		

**APPROVED**

DEC 22 2009

/s/ Dustin Winkler

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

**DEVON ENERGY PRODUCTION COMPANY LP**

Well Name: TOMCAT 15 FEDERAL #2		Field: DIAMONDTAIL	
Location: 1980' FSL & 1980' FEL; SEC 15-T23S-R32E		County: LEA	State: NM
Elevation: 3735' KB		Spud Date: 2/26/00	Compl Date: 3/27/00
API#: 30-025-33909	Prepared by: Ronnie Slack	Date: 12/4/09	Rev:

**PROPOSED PLUG & ABANDONMENT**

17-1/2" hole  
13-3/8", 48#, H40, STC, @ 667'  
 Cmt'd w/ 400 sx to surface

(8-5/8" X 5-1/2" annulus volume= .1772 ft<sup>3</sup>/ft)

11" Hole  
8-5/8", 32#, S80, STC, @ 4,941'  
 Cmt'd w/1125 sx to surface

(7-7/8" hole X 5-1/2" annulus volume= .1733 ft<sup>3</sup>/ft)

TOC @ 5130' (CBL) (3/17/00)

**DELAWARE BELL CANYON (5/1/08)**

5,207' - 5,210' → (swab all water, no oil-5/7/08)  
 5,365' - 5,369' → (swab all water, no oil-5/6/08)  
 5,520' - 5,530' → (swab all water, no oil-5/3/08)  
 5/1/08: acidized w/2000 gals 7.5% pentoI

**DELAWARE BRUSHY CANYON (6/13/00)**

7,264' - 7,266'  
 6/22/00-acidized w/1000 gals 7.5% NeFe

**DELAWARE BRUSHY CANYON (4/29/08)**

7,363' - 7,368' (swabbed 27 bbis water-wet-4/29/08)

**DELAWARE BRUSHY CANYON (6/13/00)**

7,674' - 7,678'  
 6/15/00-acidized w/1000 gals 7.5% NeFe

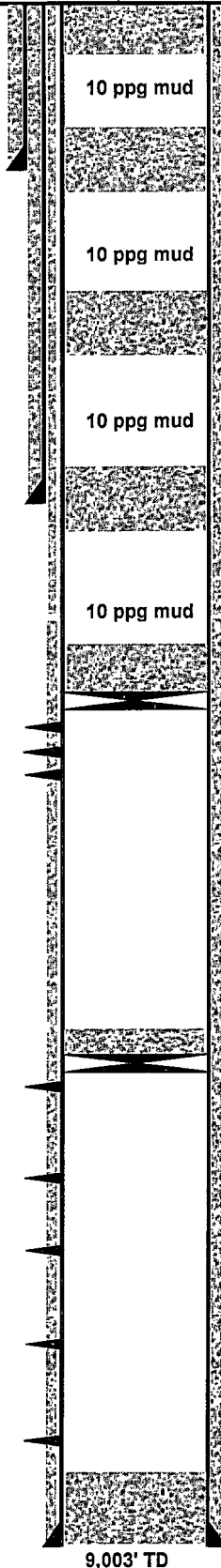
**DELAWARE BRUSHY CANYON (6/13/00)**

8,220' - 8,227'  
 6/14/00-acidized w/1000 gals 7.5% NeFe

**DELAWARE BRUSHY CANYON**

8,595' - 8,615' (3/17/00)  
 3/21/00: fraced w/73240# 16/30, acidized w/2K gals

7-7/8" Hole  
5-1/2", 17#, N80, LTC, @ 9,003' (4.892" id; .1305 ft<sup>3</sup>/ft)  
 Cmt'd w/935 sx. TOC @ 5,130' (collapse=6280#, yield=7740)



**Proposed:**  
 Spot 25 sx surface plug. (252')

**Proposed:**  
 Spot 25 sx cement across 13-3/8" shoe from 468' to 720'. Tac TOC.

**Proposed:**  
 Spot 25 sx cement from 1988' to 2240'.

**Proposed:**  
 Spot 25 sx cement across 8-5/8" shoe from 4739' to 4991'. Tac TOC.

**Proposed:**  
 1. Apply 500 psi inside 5-1/2" csg & braiden head sqz cmt down 8-5/8" X 5-1/2" annulus. Calc cmt vol from surface to TOC @ 5130' is approx. 700 SX.  
 2. Run GR tool to verify cement placement.

**Proposed:**  
 1. POOH w/RBP @ 5166'. Set CIBP @ +/-5175'  
 2. Cap CIBP W/35' cement. PBD @ 5140

35' cement. 7,165' PBD (5/10/08)  
 CIBP @ 7,200' (5/10/08)

30 Sx cement from 8673' to 8944' (4/25/08)

**DEVON ENERGY PRODUCTION COMPANY LP**

Well Name: TOMCAT 15 FEDERAL #2		Field: DIAMONDTAIL	
Location: 1980' FSL & 1980' FEL; SEC 15-T235-R32E		County: LEA	State: NM
Elevation: 3735' KB		Spud Date: 2/26/00	Compl Date: 3/27/00
API#: 30-025-33909	Prepared by: Ronnie Slack	Date: 11/20/09	Rev:

**CURRENT WELLBORE SCHEMATIC**

17-1/2" hole  
13-3/8", 48#, H40, STC, @ 667'  
 Cmt'd w/ 400 sx to surface

11" Hole  
8-5/8", 32#, S80, STC, @ 4,941'  
 Cmt'd w/1125 sx to surface

TOC @ 5130' (CBL) (3/17/00)

DELAWARE BELL CANYON (5/1/08)  
 5,207' - 5,210' → (swab all water, no oil-5/7/08)  
 5,365' - 5,369' → (swab all water, no oil-5/6/08)  
 5,520' - 5,530' → (swab all water, no oil-5/3/08)  
 5/1/08: acidized w/2000 gals 7.5% pentol

DELAWARE BRUSHY CANYON (6/13/00)  
 7,264' - 7,266'  
 6/22/00-acidized w/1000 gals 7.5% NeFe

DELAWARE BRUSHY CANYON (4/29/08)  
 7,363' - 7,368' (swabbed 27 bbls water-wet-4/29/08)

DELAWARE BRUSHY CANYON (6/13/00)  
 7,674' - 7,678'  
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DELAWARE BRUSHY CANYON (6/13/00)  
 8,220' - 8,227'  
 6/14/00-acidized w/1000 gals 7.5% NeFe

DELAWARE BRUSHY CANYON  
 8,595' - 8,615' (3/17/00)  
 3/21/00: fraced w/73240# 16/30, acidized w/2K gals

7-7/8" Hole  
5-1/2", 17#, N80, LTC, @ 9,003'  
 Cmt'd w/935 sx. TOC @ 5,130'

**Formation Tops**

Rustler	1207'
Delaware/Larma	4940'
Bell Canyon	5000'
Cherry Canyon	5832'
Brushy Canyon	7059'
Bone Spring	8818'

2-7/8", 6.4#, N80 production tubing

5/13/08: Unlatched On/Off tool and layed down  
 1 Jt tubing. SN @ 5142'. EOT @ 5146'.

5/13/08: Set RBP @ 5166'

35' cement. 7,165' PBD (5/10/08)  
 CIBP @ 7,200' (5/10/08)

30 Sx cement from 8673' to 8944' (4/25/08)

9,003' TD

Devon Energy Production Company, LP  
NM-84728: Tomcat 18 Federal #2  
API: 30-025-33909  
Lea County, New Mexico

RE: Plugging and Abandonment Requirements, Conditions of Approval

1. OK
2. OK
3. Also run a CBL. Submit both logs to BLM. Conditions of Approval may change based on results.
4. Set CIBP 50'-100' above the top perf – Otherwise, OK (Perfs)
5. OK
6. OK (Casing shoe – BOS)
7. CHANGE: Spot plug from 1720'-1600' (25 sx minimum). WOC and tag at 1600' or shallower. Variance is being given on the 3000' rule because it is the same formation. (TOS)
8. OK (Casing shoe)
9. OK (Surface)
10. OK
11. Submit a subsequent report to the BLM.

See attached standard COAs.

DHW 122209

**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 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> 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.



# 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)

Terry Gregston  
Environmental Protection Specialist  
575-234-5958

Bobby Ballard  
Environmental Protection Specialist  
575-234-2230

Randy Rust  
Environmental Protection Specialist  
575-234-5943

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

Cody Layton  
Natural Resource Specialist  
575-234-5959

Trishia Bad Bear  
Natural Resource Specialist  
575-393-3612

Todd Suter  
Surface Protection Specialist  
575-234-5987

Doug Hoag  
Civil Engineering Technician  
575-234-5979