

Office
 District I - (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II - (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III - (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV - (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

NM OIL CONSERVATION
 DISTRICT

CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

RECEIVED

WELL API NO.

30-015-27169

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

WARTHOG 2 STATE

8. Well Number

001

9. OGRID Number

6137

10. Pool name or Wildcat

HERRADURA BEND DELAWARE, EAST

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

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

2. Name of Operator

Devon Energy Production Company, LP

3. Address of Operator

333 W. Sheridan Avenue, Oklahoma City, OK 73102

4. Well Location

Unit Letter A : 330' feet from the North line and 660' feet from the East line
 Section 02 Township 23S Range 28E NMPM Eddy County, NM

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

3073.4' GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒TEMPORARILY ABANDON ☐ CHANGE PLANS ☐PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐DOWNHOLE COMMINGLE ☐CLOSED-LOOP SYSTEM ☐OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐ P AND A ☐CASING/CEMENT JOB ☐OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

1. MIRU. POOH w/ 2-7/8" production tubing from 5,690'.

2. RIH set CIBP @ 5,880'. Dump bail 35' CL C cement on top. Tag TOC (CTOC @ 5,845')

3. TOH to 5,054'. Spot 25 sx (250') CL C balanced plug. Tag TOC (CTOC @ 4,804', DV Tool @ 5,004')

4. TOH to 2,797'. Spot 25 sx (250') CL C balanced plug. Tag TOC (CTOC @ 2,447', Base of salt @ 2,515', Top of Delaware @ 2,772')

5. TOH to 460'. Spot 46 sx (460') CL C balanced plug to surface (Top of Salt @ 351', 8-5/8" shoe @ 410')

6. Cut wellhead off and set dry hole marker.

• 9# mud will be circulated between each plug.

• Current & proposed schematic attached

CONDITIONS OF APPROVAL ATTACHED

Approved for plugging of well bore only.
 Liability under bond is retained pending receipt
 of C-103 (Subsequent Report of Well Plugging)
 which may be found at OCD Web Page under
 Forms, www.emnrd.state.nm.us/oed.

Approval Granted providing work is

Completed by

3/24/2016

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Michael Blad

TITLE Operations Technician

DATE 3/6/2015

Type or print name Michael Blad E-mail address: Michael.Blad@dmn.com PHONE: 405-552-8077

For State Use Only

APPROVED BY:

R. Wade

TITLE Dist II Supervisor

DATE 3/24/2015

Conditions of Approval (if any):

* See Attached COA's

DEVON ENERGY PRODUCTION COMPANY LP

Well Name: Warthog 2 State 1		Field: HERRADURA BEND DELAWARE, EAST	
Location: 330' NL & 660' FEL; SEC 2-T23S-R28E		County: EDDY	State: NM
Elevation: 3073.4' GL		Spud Date: 11/23/92	Compl Date: 12/13/92
API#: 30-015-27169	Prepared by: Michael Blad	Date: 2/19/15	Rev:

PROPOSED PLUG & ABANDONMENT

12-1/4" hole
8-5/8", 24#, ST&C, @ 410'
 Cmt'd w/250 Sx Class C
 Circulated to surface

Proposed:
 1. Spot 46 sx (460') of CI C from 460' to surface.
 2. Cut wellhead off
 3. Set dry hole marker
 (Top of Salt @ 351', 8-5/8" shoe @ 410')

9# mud

Proposed:
 1. Spot 35 sx (350') CI C from 2447' to 2797', Tag TOC
 (Base of Salt @ 2515', Top of Delaware at 2772')

9# mud

Proposed:
 1. Spot 25 sx (250') CI C from 4804' to 5054', tag TOC

DV Tool @ 5004' →

9# mud

Proposed:
 1. Set CIBP @ 5880'
 2. Spot 35' CI C from 5845' to 5880', Tag TOC

DELAWARE Cmp 12-13-93
5930'-5980'
 2/SPF 101 holes
 Acidized w/ 2500 gals 7-1/2% HCL w/ 151 BS.
 Fraced w/ 49,000 gals + 47,000# 20/40 sand

7-7/8" Hole
5-1/2", 15.5#, J55, @ 6390'
 Cemented:
 Stage 1: 300 SX Class C
 Stage 2: 1030 SC 35/65 POZ and 405 sx Class C
 Circ 68 sx to pit

6390' TD

PBTD @6343'

DEVON ENERGY PRODUCTION COMPANY LP

Well Name: Warthog 2 State 1		Field: HERRADURA BEND DELAWARE, EAST	
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CURRENT WELLBORE SCHEMATIC

12-1/4" hole
8-5/8", 24#, ST&C, @ 410'
 Cmt'd w/250 Sx Class C
 Circulated to surface

Zones:
 T. Salt 320'
 B. Salt 2515'
 T. Lamar LM 2740'
 T. Bell Canyon 2772'
 T. Delaware Sand 2780'
 T. Cherry Canyon 3612'
 T. Brushy Canyon 4778'
 T. Bone Springs 6298'

Oil Gas Zones
 1) 5874' to 5998'
 2) 6030' to 6160'

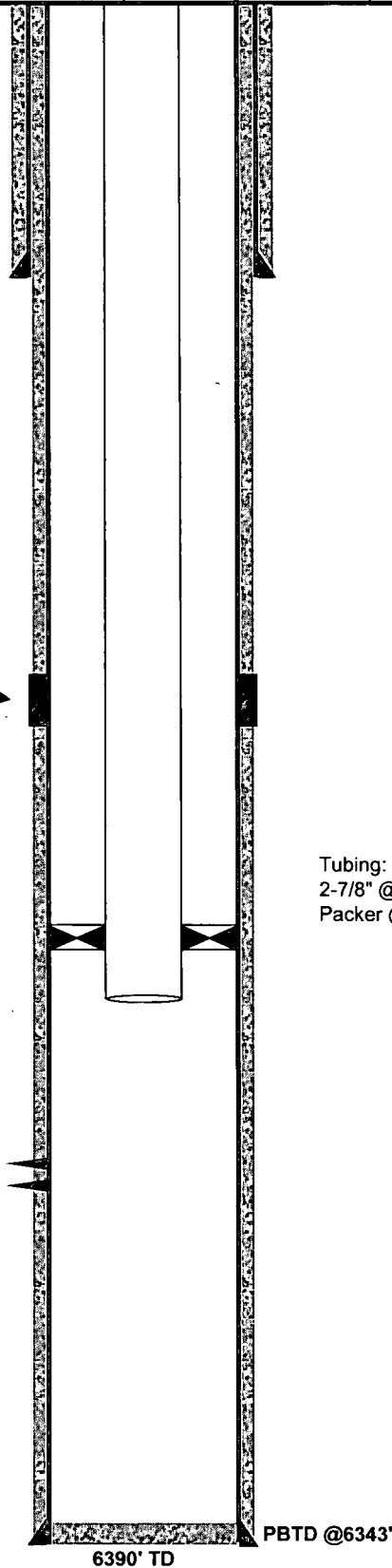
Is not in the Potash

DV Tool @ 5004'

Tubing:
 2-7/8" @ 5,690'
 Packer @ 5691'

DELAWARE Cmp 12-13-93
 5930'-5980'
 2/SPF 101 holes
 Acidized w/ 2500 gals 7-1/2% HCL w/ 151 BS.
 Fraced w/ 49,000 gals + 47,000# 20/40 sand

7-7/8" Hole
5-1/2", 15.5#, J55, @ 6390'
 Cemented:
 Stage 1: 300 SX Class C
 Stage 2: 1030 SC 35/65 POZ and 405 sx Class C
 Circ 68 sx to pit



NEW MEXICO OIL CONSERVATION DIVISION
DISTRICT 2 OFFICE
811 S. FIRST STREET
ARTESIA, NM 88210
(575)748-1283

CONDITIONS OF APPROVAL FOR PLUGGING & ABANDONMENT

Operator: Devon

Well Name & Number: Wauthog 2 State #1

API #: 30-015-27169

1. Produced water **will not** be used during any part of the plugging & abandonment operation.
2. Notify NMOCD Dist. 2 office at least 24 hrs before beginning work.
3. Closed Loop System is to be used for entire plugging operation. Upon completion, contents of steel pit are to be hauled to a permitted disposal location.
4. Trucking companies being used to haul oilfield waste fluids to a disposal – commercial or private – shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator, as well as the contractor, to verify that this permit is place prior to performing work. Drivers shall produce a copy upon request of NMOCD Field Inspectors.
5. A subsequent C-103 will serve as notification that the well bore has been plugged ONLY. A C-103 FINAL shall be filed before any bonding can be released on the well. Upon receipt of the Final, an inspection will be performed to verify that the location has been satisfactorily cleaned to NMOCD standards.
6. If work has not begun within 90 days of the approval of this procedure, an extension request must be filed, stating reason that well has not been plugged.
7. Every attempt must be made to clean the well bore out to below the perfs, before any plugs can be set, by whatever means possible.
8. **Cement Retainers may not be used.**
9. **Squeeze pressures are not to exceed 500 PSI, unless approval is given by NMOCD.**
10. **Plugs may be combined after consulting with and getting approval from NMOCD.**
11. **Minimum WOC time for tag plugs will be 4 Hrs.**

DATE: AW

3/24/2015

APPROVED BY:

GUIDELINES FOR PLUGGING AND ABANDONMENT

DISTRICT II / ARTESIA

- All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater.
- Mud laden fluids must be placed between all cement plugs.
- Mud laden fluids must be mixed at 25 sacks of gel per 100 bbls of water.
- A cement plug is required to be set 50' below and 50' above all casing shoes and casing stub plugs. These plugs must be tagged.
- A CIBP with 35' of cement on top may be set in lieu of 100' cement plug.
- A plug as indicated above must be placed within 100' of top perforation. This plug must be tagged.
- Plugs set below and above salt zones must be tagged.
- No more than 2000' is to be allowed between cement plugs in open hole and no more than 3000' in cased hole.
- DV tools are required to have a 100' cement plug set 50' above and below the tool and must be tagged.
- Formations to be isolated with plugs placed at the top of each formation are:
 - Fusselman
 - Devonian
 - Morrow
 - Wolfcamp
 - Bone Spring
 - Delaware
 - Any Salt Section (Plug at top and bottom)
 - Abo
 - Glorieta
 - Yates (this plug is usually at base of salt section)
- If cement does not exist behind casing strings at recommended formation depths, the casing must be cut and pulled with plugs set at these depths or casing must be perforated and cement squeezed behind casing at the formation depths.
- In the R-111-P area (Potash Mine area) a solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts common to the section penetrated and in suitable proportions, but not more than a 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible (50' below and 50' above).