

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 A. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd. Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. <b>30-015-39064</b>
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease NO. <b>B1-1538-0017</b>
7. Lease Name or Unit Agreement Name <b>Empire Abo Unit</b>
8. Well Number <b>403</b>
9. OGRID Number <b>873</b>
10. Pool Name <b>Empire; Abo (22040)</b>

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR DEEPEN OR PLUG BACK TO A DIFFERENT RESERVIOR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>
2. Name of Operator <b>Apache Corporation</b>
3. Address of Operator <b>303 Veterans Airpark Lane, Ste. 3000, Midland, TX 79705</b>
4. Well Location Unit Letter <b>O</b> : <b>1175</b> feet from the <b>S</b> line and <b>1310</b> feet from the <b>E</b> line Section <b>32</b> Township <b>17S</b> Range <b>28E</b> NMPM County <b>Eddy</b>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <b>3677' GL</b>

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

## NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>
DOWNHOLE COMMINGLE <input type="checkbox"/>	
OTHER: <input type="checkbox"/>	

## SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input type="checkbox"/>
CASING/CEMENT JOB <input type="checkbox"/>
ALTERING CASING <input type="checkbox"/>
P AND A <input type="checkbox"/>
OTHER: <input type="checkbox"/>

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 1103. For Multiple Completions: Attach wellbore diagram or proposed completion or recompletion.

## CONDITIONS OF APPROVAL ATTACHED

Approval Granted providing work is  
Completed by 10-30-2015

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/oecd.

Apache Corporation proposes to P&A the above mentioned well by the attached procedure. A closed loop system will be used for all fluids from this wellbore and disposed of required by OCD Rule 19.15.17.

NM OIL CONSERVATION  
ARTESIA DISTRICT

Spud Date: Rig Release Date: 

OCT 30 2014

RECEIVED

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

SIGNATURE Guinn Burks TITLE Sr. Reclamation Foreman DATE 10/22/14Type or print name Guinn Burks E-mail add. guinn.burks@apachecorp.com PHONE: 432-556-9143

For State Use Only

APPROVED BY: [Signature] TITLE Dist. P. Spewis DATE 10/30/14

Conditions of Approval (if any):

★ See Attached COAs



WELL BORE INFO.

LEASE NAME

Empire Abo Unit

WELL #

403

API #

30-015-39064

COUNTY

Eddy, NM

0

11" Hole  
8 5/8" 24# @ 497'  
w/ 440 sx to surf

622

1245

1867

2489

3112

DVT @ 3002' w/516 to surf

3734

4356

4978

5601

CIBP @ 5762' W/ 35' cmt

Abo perms @ 5812'-5962'

CIBP @ 5992' w/ 35' cmt

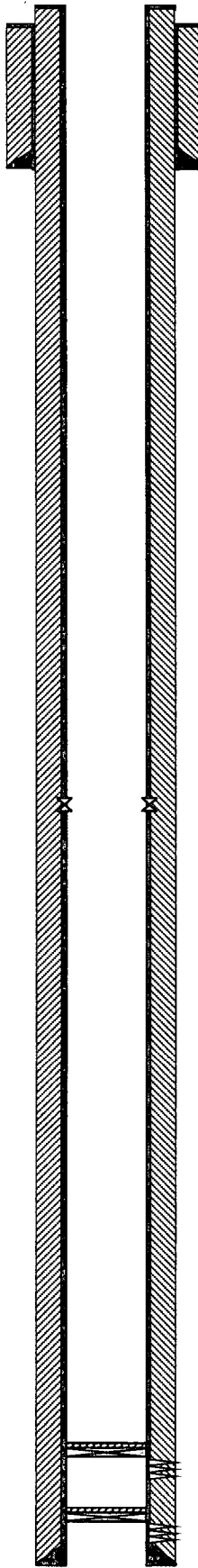
Abo perms @ 6012'-6084'

7 7/8" Hole

5 1/2" 17# @ 6223' w/ 492 sx  
DVT @ 3002' w/ 516 sx to surf

6223

PBTD @ 5762'  
TD @ 6223'





WELL BORE INFO.

LEASE NAME

Empire Abo Unit

WELL #

403

API #

30-015-39064

COUNTY

Eddy, NM

PROPOSED PROCEDURE

0

11" Hole  
8 5/8" 24# @ 497'  
w/ 440 sx to surf

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DVT @ 3002' w/516 to surf

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CIBP @ 5762' W/ 35' cmt

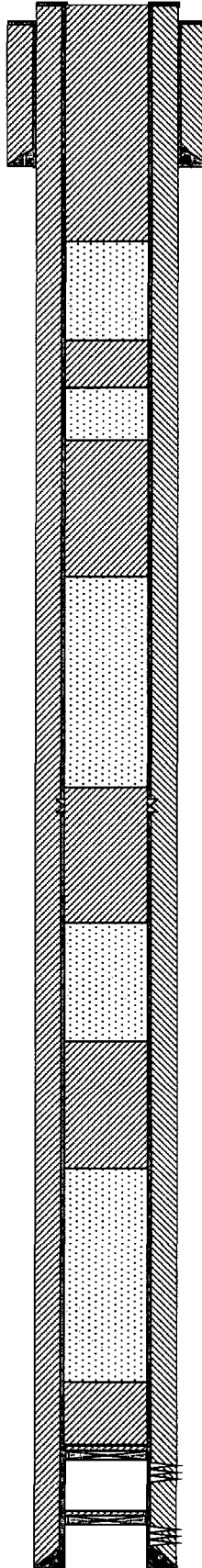
CIBP @ 5992' w/ 35' cmt

7 7/8" Hole

5 1/2" 17# @ 6223' w/ 492 sx

DVT @ 3002' w/ 516 sx to surf

6223



6. PUH & spot 70 sx Class "C" cmt from 692' to surf. (7 Rvrs, Surface Shoe, & Water Board)

5. PUH & spot 25 sx Class "C" cmt from 1280'-1030' (Queen)

4. PUH & spot 45 sx Class "C" cmt from 2041'-1627' WOC/TAG (Grayburg/San Andres)

3. PUH & spot 65 sx Class "C" cmt from 3591'-2952' WOC/TAG (Glorieta, Yeso, & DV Tool)

2. PUH & spot 60 sx Class "C" cmt from 4505'-3897' (Blaine/Tubb)

1. MIRU, RIH & verify CIBP @ 5762', CIRC w/MLF & spot 25 sx Class "C" cmt from 5762'-5512' WOC/TAG (Abo/Abo Reef)

Abo perms @ 5812'-5962'

Abo perms @ 6012'-6084'

PBTD @ 5762'  
TD @ 6223'

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: Apache

Well Name & Number: Empire Abo Unit 403

API #: 30-015-39064

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 placed 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 1 year 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 perms, 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: 10/30/14

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).