

Submit 1 Copy To Appropriate District Office  
 District I - (575) 393-6161  
 7625 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

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 Revised July 18, 2013

OIL CONSERVATION DIVISION  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

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.)		WELL API NO. <b>30-015-35673</b>
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator <b>Harvard Petroleum Corporation</b>		6. State Oil & Gas Lease No.
3. Address of Operator <b>PO Box 938 Roswell, NM 88202</b>		7. Lease Name or Unit Agreement Name <b>State 36</b>
4. Well Location Unit Letter <b>M</b> : <b>660</b> feet from the <b>S</b> line and <b>660</b> feet from the <b>W</b> line Section <b>36</b> Township <b>22S</b> Range <b>31E</b> NMPM <b>Eddy</b> County		8. Well Number <b>005</b>
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number <b>10155</b>
10. Pool name or Wildcat <b>Ingle Wells; Delaware</b>		10. Pool name or Wildcat <b>Ingle Wells; Delaware</b>

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

<b>NOTICE OF INTENTION TO:</b> 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"/> CLOSED-LOOP SYSTEM <input type="checkbox"/> OTHER: <input type="checkbox"/>		<b>SUBSEQUENT REPORT OF:</b> REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Proposes to PA as follows.

13 3/8" CSA 699' Cemented with 555 sks cement. (Circ)  
 8 5/8" CSA 4223'. Cemented with 2175 sks cement. (Circ)  
 5 1/2" CSA 8570'. Cemented with 1030 sks cement in 2 Stages, DV tool at 6180' TOC 4170' per CBL  
 Perforations 8108'-8275'  
 Set CIBP at 8050''  
 Spot 25sks cement x WOC and tag and report  
 Displace well with gelled brine  
 Spot 25 sks cement 6230' - TO 6130' WOC 4 HAS + TAG  
 Spot 30 sks cement 4273' WOC x tag plug at 4070' or above (Intermediate Shoe and Base of Salt)  
 Perf and Sqz at 1145' with 35 sks cement x WOC x tag cement plug at 1045' or above (Top of Salt)  
 Perf and circulate cement to the surface at 750' (Surface shoe and surface plug)  
 Remove anchors completely x Install PA marker x Clean location for release

NM OIL CONSERVATION  
 ARTESIA DISTRICT  
 MAY 23 2016

RECEIVED

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.

WELL MUST BE PLUGGED BY 5/24/2017

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

SIGNATURE Billy E. Prichard TITLE Agent for Harvard Petroleum Corp DATE 5/17/16  
 Type or print name Billy E. Prichard E-mail address: billy@pwllc.net PHONE: 432.934.7680  
 For State Use Only  
 APPROVED BY: Robert J. Bond TITLE COMPLIANCE OFFICER DATE 5/24/2016  
 Conditions of Approval (if any):

13 5-24

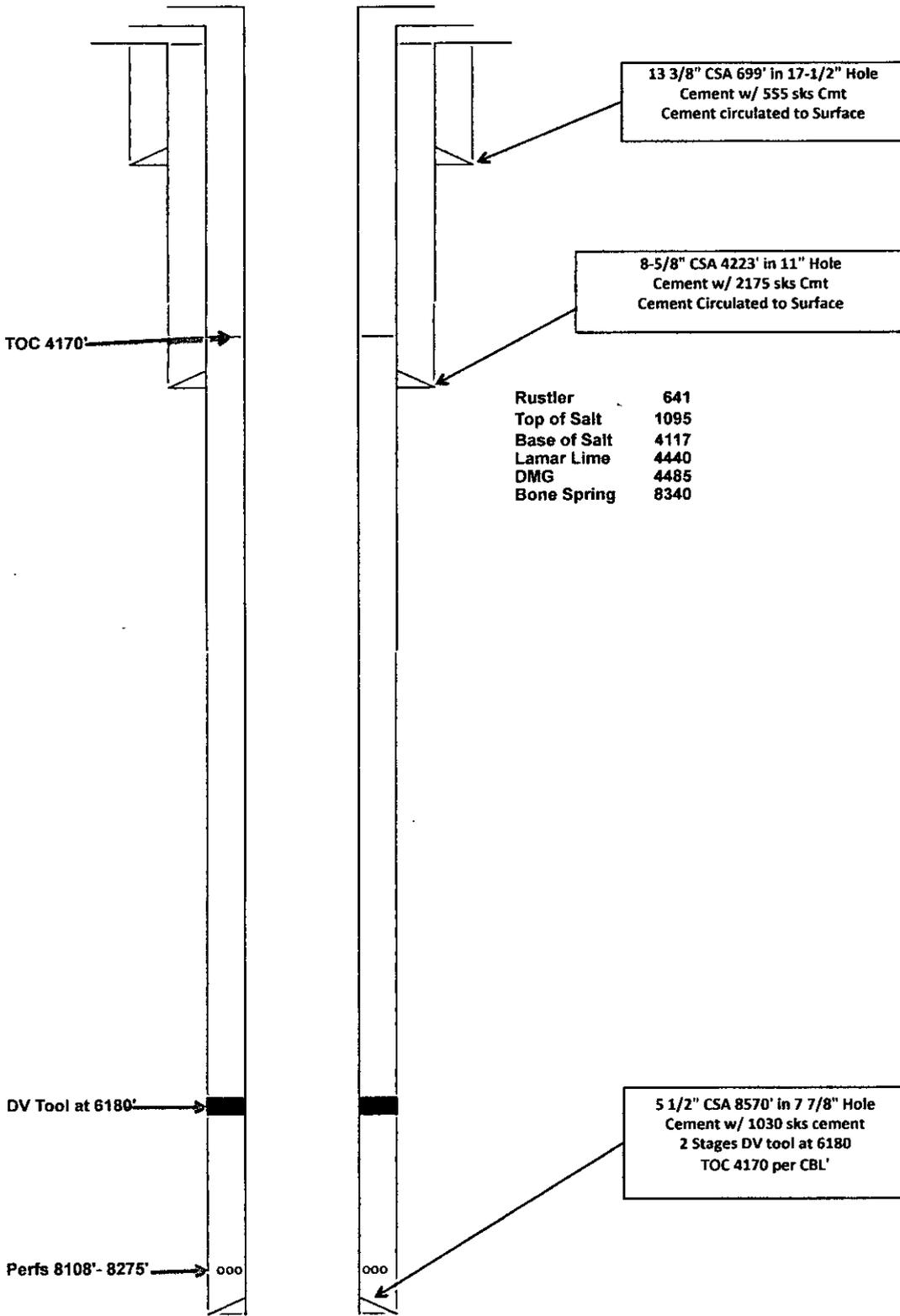
# CURRENT WELLBORE DIAGRAM

Harvard Petroleum Corporation

State 36 # 5

API # 30-15-35673

660 FSL x 660' FWL, UL 'M' Sec 36, T22S, R31E, Eddy County, NM



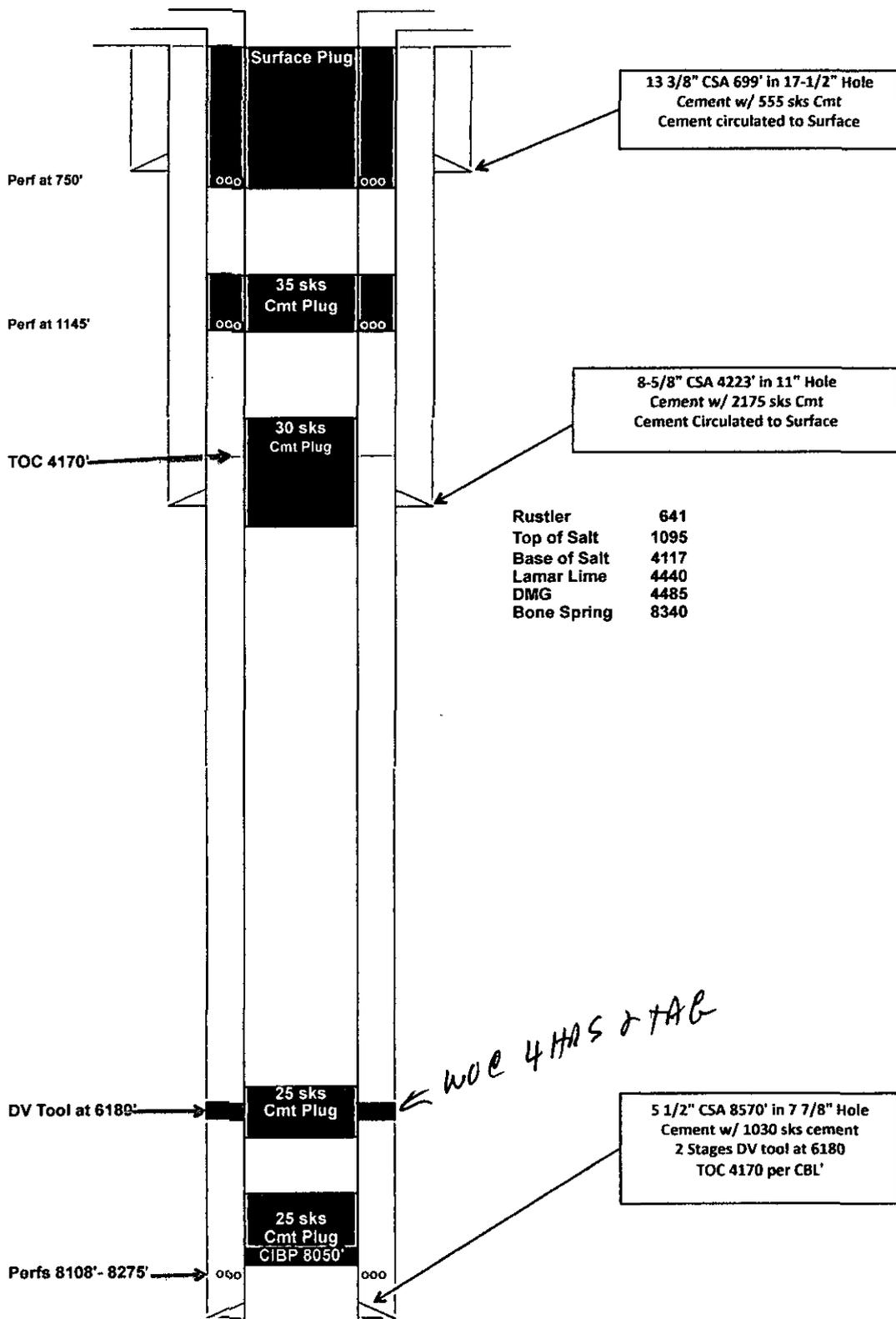
# PA WELLBORE DIAGRAM

Harvard Petroleum Corporation

State 36 # 5

API # 30-15-35673

660 FSL x 660' FWL, UL 'M' Sec 36, T22S, R31E, Eddy County, NM



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: \_\_\_\_\_  
Well Name & Number: \_\_\_\_\_  
API #: \_\_\_\_\_

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.**
12. **19.15.7.16 : B.** In the case of a dry hole, a complete record of the well on form C-105 with the attachments listed in Subsection A of 19.15.7.16 NMAC shall accompany the notice of intention to plug the well, unless previously filed. The division shall not approve the plugging report or release the bond the operator has complied with 19.15.7.16 NMAC.

DATE:

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 plus 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).