

Submit 1 Copy To Appropriate District 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

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised August 1, 2011

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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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. 30-015-10442
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other SWD		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator BOPCO, LP		6. State Oil & Gas Lease No. E-4397
3. Address of Operator PO Box 2760 Midland, TX 79702-2760		7. Lease Name or Unit Agreement Name Bass
4. Well Location Unit Letter F : 2310 feet from the North line and 1650 feet from the West line Section 12 Township 19S Range 28E NMPM County Eddy		8. Well Number 3 SWD
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number 260737
		10. Pool name or Wildcat E. Willman Queen Grayburg

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 ☐

**SUBSEQUENT REPORT OF:**  
REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: ☐

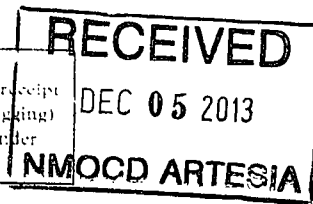
OTHER: ☐

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.

BOPCO, LP submits this sundry notice for intent to plug and abandon the referenced well due to a failed MIT.

- MIRU pulling unit and plugging equipment. Set open top steel pit for plugging. ND WH & NU 3,000 psi manual BOP for 2-3/8" tubing.
- RIH with tbg. to 1900' and tag cement plug. Circulate hole with 9.5# Salt Gel to surface.
- Spot 25 sxs CI C cement from 1,787' to 1,687'. WOC & TAG.
- PUH and spot 25 sxs CI C cement from 1,400 to 1,250'.
- PUH to 675' and spot 75 sxs Class C cement from 675' to surface.
- ND BOP and cut off wellhead 5' below surface.
- Set P&A marker and remediate location.
- Use steel tank and haul all fluids.

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](http://www.emnrd.state.nm.us/oed).



Wellbore diagrams and area map are attached. Well is currently SI awaiting P&A. Plugging will begin as soon as possible after approval.

Spud Date:

Rig Release Date:

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

SIGNATURE

TITLE Sr. Regulatory Analyst

DATE 12/04/2013

Type or print name Tracie J Cherry

E-mail address: [tjcherry@basspet.com](mailto:tjcherry@basspet.com)

PHONE: (432)683-2277

For State Use Only

CONDITIONS OF APPROVAL ATTACHED

APPROVED BY:   
Conditions of Approval (if any):

TITLE Approval Granted providing work is Completed by

TE 12/9/2013

Dec 9, 2014

★ See Attached COA's

# PROPOSED PLUG AND ABANDON WELLBORE DIAGRAM

Lease: **BASS** Well No.: **3W**  
 Field: **EAST MILLMAN (PALMILLO) FIELD**  
 Location: **2310' FNL & 1650' FWL, SEC 12, T 19S, R28E, UNIT F**  
 County: **EDDY** St: **NM** API: **30-015-10442**

KB:  
 GL:  
 Spud Date: 7/21/1964  
 Compl. Date: 9/4/1964

## Surface Csg.

Size: 7" & 8-5/8"  
 Wt: N/A  
 Grd: N/A  
 Set @: 420'  
 Sxs cmt: 50 SX  
 Circ: N/A  
 TOC: N/A  
 Hole Size: 10"

X: 561642  
 Y: 609861  
 Lat: 32.676083  
 Long: -104.133026

## Production Csg.

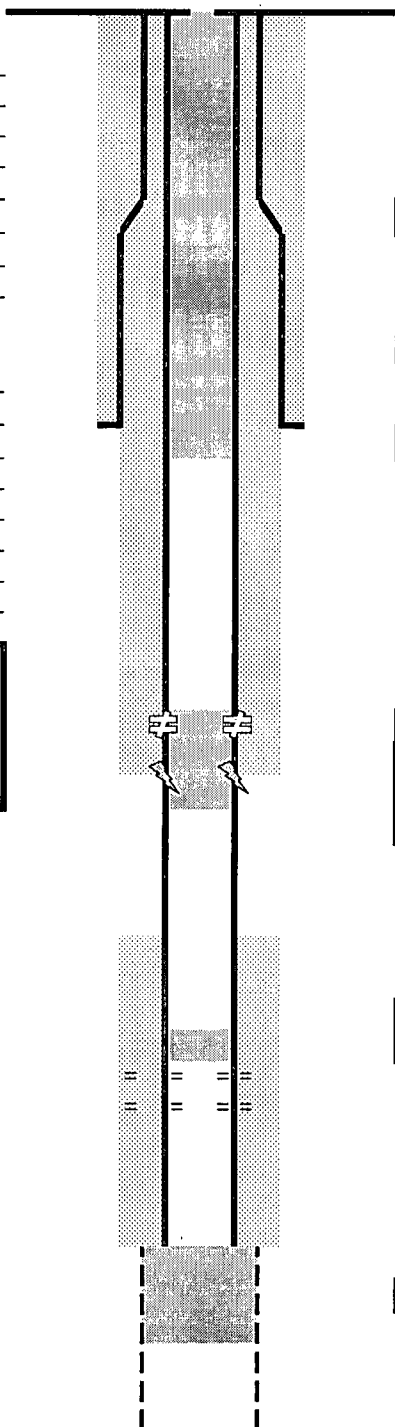
Size: 5"  
 Wt: 18#  
 Grd: N/A  
 Set @: 1900'  
 Sxs Cmt: 100 SX  
 Circ: N/A  
 TOC: N/A  
 Hole Size: 8-1/4"

**7/5/1985**

Halliburton cmt 7"x5" annulus &  
 12-1/4" OH x 7" annulus w/ 650  
 sx Halliburton Lite & 50 sx Class  
 "C" Neat. Circ both annuluses.

## Formation Tops:

T/Rustler 155'  
 T/Salt 395'  
 B/Salt 625'  
 T/Queen 1737'  
 T/Grayburg 1900'



**250'** 7" Csg tied into 8-5/8" Csg

**Surface - 675'; 75 sxs CI C cmt**  
 Surface; 7" Tie in, T/Salt, 8-5/8" Shoe,  
 and B/Salt Plugs

**420' - 8-5/8" Csg cmt'd w/ 50 sx**

**1250' - 1400'; 25 sxs CI C cmt**  
**1302'** 50 sk Sqz'd below retainer  
**+/-1350'** New 5" Csg tied into old 5"  
 Csg with 5-1/2" sleeve

(07/09/1985)

**1464'** Pkr

**1500'** Est. TOC

**1687' - 1787'; 25 sxs CI C cmt**  
**WOC & TAG - Perf plug** *4 HZ wait*

**1836'** Upr Perf

**1864'** Lwr Perf

**1900'** 5" Csg / PBTD

**20 sxs CI C cmt at 1900' (8/8/65)**

**2246'** TD

PBTD: 1900'  
 TD: 2246'

Updated: 11/5/2013  
 Author: crm  
 Engr: FDS

# CURRENT WELLBORE DIAGRAM

Lease: **BASS** Well No.: **3W**  
 Field: **EAST MILLMAN (PALMILLO) FIELD**  
 Location: **2310' FNL & 1650' FWL, SEC 12, T 19S, R28E, UNIT F**  
 County: **EDDY** St: **NM** API: **30-015-10442**

KB:  
 GL:  
 Spud Date: 7/21/1964  
 Compl. Date: 9/4/1964

## Surface Csg.

Size: 7" & 8-5/8"  
 Wt: N/A  
 Grd: N/A  
 Set @: 420'  
 Sxs cmt: 50 SX  
 Circ: N/A  
 TOC: N/A  
 Hole Size: 10"

## Production Csg.

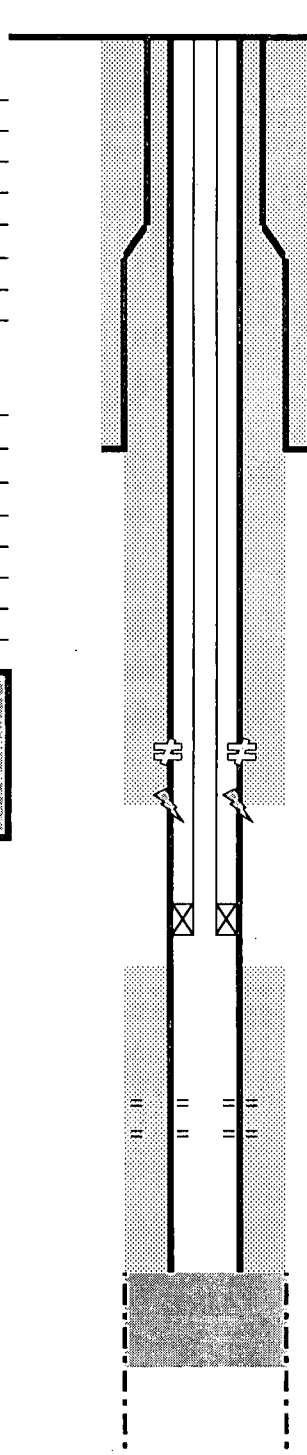
Size: 5"  
 Wt: 18#  
 Grd: N/A  
 Set @: 1900'  
 Sxs Cmt: 100 SX  
 Circ: N/A  
 TOC: N/A  
 Hole Size: 8-1/4"

**7/5/1985**

Halliburton cmt 7"x5" annulus &  
 12-1/4" OH x 7" annulus w/ 650'  
 sx Halliburton Lite & 50 sx Class  
 "C" Neat. Circ both annuluses.

## Tubing

(46 jts) 2 3/8" 4.7# N-80 IPC



0 KB  
 0 GL

**250'** 7" Csg tied into 8-5/8" Csg

**420'** 8-5/8" Csg  
 Cmt'd w/ 50 sx

**1302'** 50 sk Sqz'd below retainer

(07/09/1985)

**+/-1350'** New 5" Csg tied into old 5"  
 Csg with 5-1/2" sleeve

**1464'** Pkr

**1500'** Est. TOC

**1836'** Up'r Perf

**1864'** Lwr Perf

**1900'** 5" Csg / PBTD  
 1900' - 20 sxs CI C cmt (8/8/65)

**2246'** TD

PBTD: 1900'  
 TD: 2246'

Updated: 10/15/2013  
 Author: BLB  
 Engr: BLB



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: Bopco

Well Name & Number: BASS 3 SWD

API #: 30-015-10442

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: Dec 9, 2013

APPROVED BY: *HDado*

## 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).