

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

WELL API NO.	30-015-21529
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	E-5230
7. Lease Name or Unit Agreement Name	Big Eddy Unit
8. Well Number	044
9. OGRID Number	260737
10. Pool name or Wildcat	Maroon Cliffs: Atoka
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	3196.2 GL

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 <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	
2. Name of Operator	BOPCO, LP
3. Address of Operator	PO Box 2760 Midland, TX 79702
4. Well Location	Unit Letter H : 1980 feet from the North line and 660 feet from the East line Section 16 Township 21S Range 30E NMPM County Eddy
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	3196.2 GL

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
OTHER: <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.

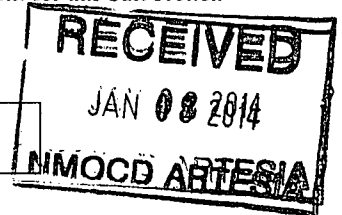
- MIRU Basic pulling unit and plugging equipment. Set open top steel pit for plugging. ND WH & NU 3,000 psi manual BOP for 2-3/8" tubing. POOH with existing 2-3/8" tbg string and packer and lay down.
- RIH with Basic workstring to 12,495' and tag cement plug. Circulate hole with 9.5# Salt Gel to surface.
- PUH and Spot 35 sxs Class C cement from 11,980' - 11,760'. WOC & TAG.
- PUH and spot 35 sxs Class C cement from 10,295' - 10,095'.
- PUH to 7,296' and spot 30 sxs Class C cement from 7,296' - 7,096'.
- PUH to 6,560' and spot 25 sxs Class C cement from 6,560' - 6,460'. POOH with tubing.
- ND BOP and WH Flange. Install lift nipple for 5 1/2" csg and cut same at +/-3,660'. (Only attempt one casing cut. If casing will not pull then contact OCD). RIH with tubing. Circulate out with 9.5# salt gel mud. Pull 5 1/2" casing. NU BOP and WH Flange.
- RIH with tbg to 3,710' and spot 1600 sxs Class C cmt from 3,710' to Surface. Fluid used to mix the cement for this Salt section plug shall be saturated with the salts common to the section and in suitable proportions.
- ND BOP and cut off wellhead 5' below surface.
- Set P&A marker and remediate location.
- Use steel tank and haul all fluids.

CONDITIONS OF APPROVAL ATTACHED

Spud Date:

Approval Granted providing work is Completed by

Jan 8 2015



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

SIGNATURE Tracie J Cherry TITLE Sr. Regulatory Analyst DATE 01/08/2014

Type or print name Tracie J Cherry E-mail address: tjcherry@basspet.com PHONE: (432)683-2277

For State Use Only

APPROVED BY: SR Wade TITLE DIST # Supervisor DATE Jan 8, 2014

Conditions of Approval (if any):

★ See Attached COA's

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.

CURRENT WELLBORE DIAGRAM

Lease: **BIG EDDY UNIT** Well No.: **44**
 Field: **MAROON CLIFFS SOUTH**
 Location: **1980' FSL & 660' FEL, SEC 16, T-21-S, R-30-E**
 County: **Eddy** St: **NM** API: **30-015-21529**

Surface Csg.

Size: 13 3/8
 Wt: 48
 Grd: H-40
 Set @: 448
 Sxs cmt: 729
 Circ: N
 TOC: Surf by TopOff
 Hole Size: 17 1/2

Intermediate Csg.

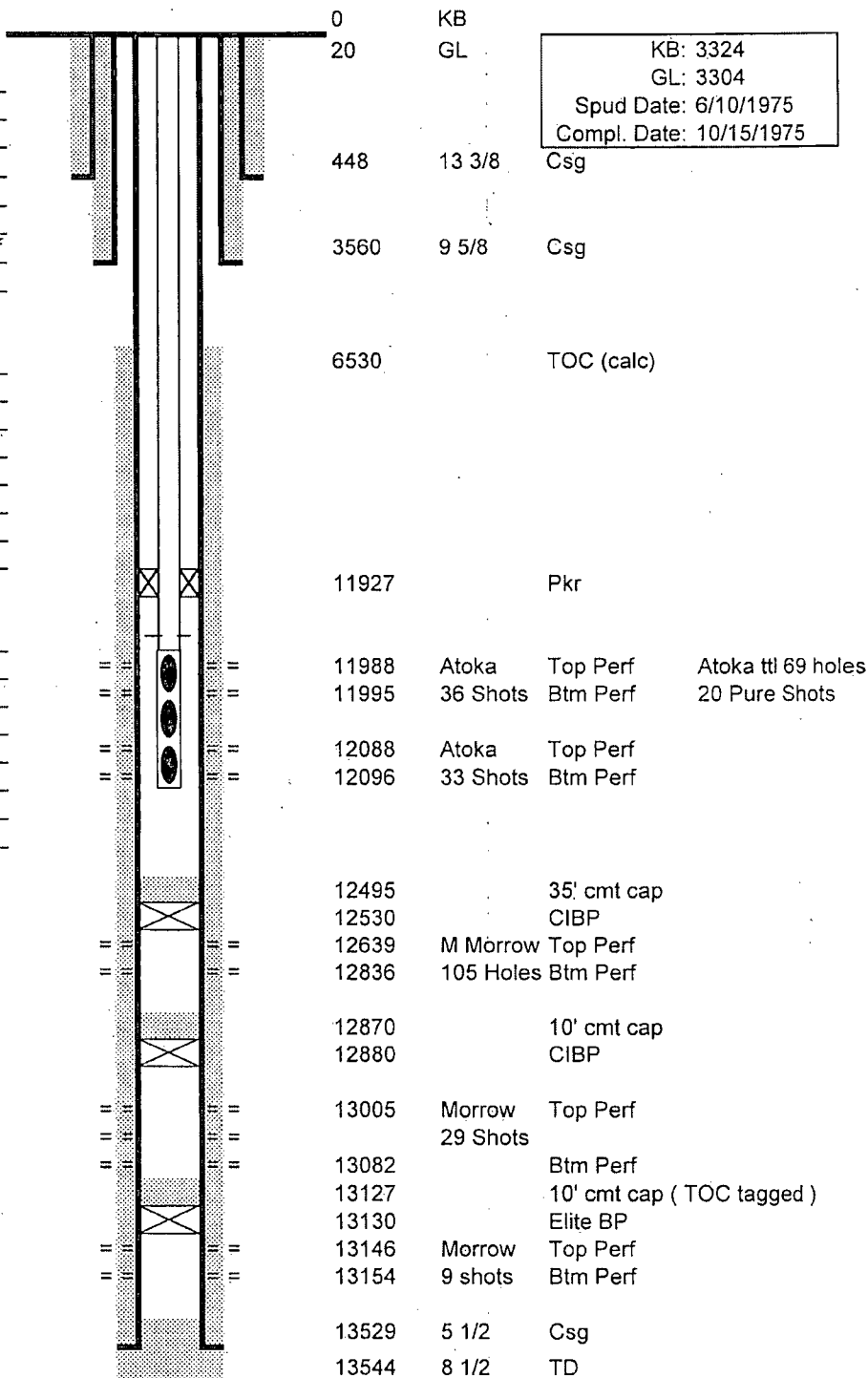
Size: 9 5/8
 Wt: 36
 Grd: J-55
 Set @: 3560
 Sxs Cmt: 2200
 Circ: Y
 TOC: Surf
 Hole Size: 12 1/4

Production Csg.

Size: 5 1/2
 Wt: 17
 Grd: S95/P110/N80
 Set @: 13529
 Sxs Cmt: 1900
 Circ: N
 TOC: 6530 calc
 Hole Size: 8 1/2 to 13544

Tubing

286 jts 2 3/8" 4.7# N-80



PBTD: 12495
 TD: 13544

Updated: 8/3/2006
 Author: ezg
 Engr: MM

PROPOSED PLUG AND ABANDON WELLBORE DIAGRAM

Lease: BIG EDDY UNIT Well No.: 44
 Field: MAROON CLIFFS SOUTH
 Location: 1980' FSL & 660' FEL, SEC 16, T-21-S, R-30-E
 County: Eddy St: NM API: 30-015-21529

Surface Csg.

Size: 13 3/8
 Wt: 48
 Grd: H-40
 Set @: 448
 Sxs cmt: 729
 Circ: N
 TOC: Surf by TopOff
 Hole Size: 17 1/2

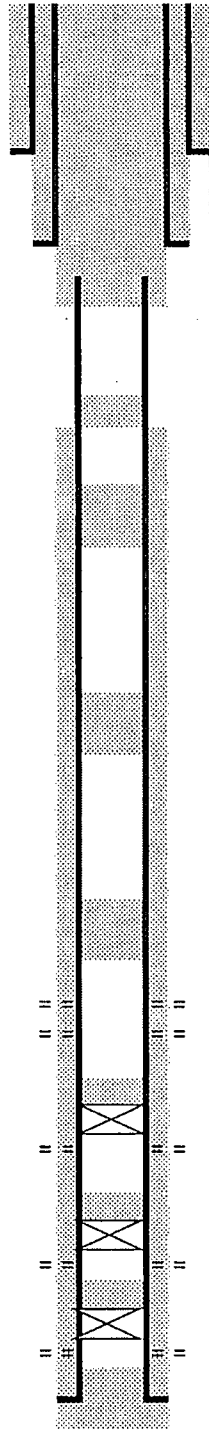
Intermediate Csg.

Size: 9 5/8
 Wt: 36
 Grd: J-55
 Set @: 3560
 Sxs Cmt: 2200
 Circ: Y
 TOC: Surf
 Hole Size: 12 1/4

Production Csg.

Size: 5 1/2
 Wt: 17
 Grd: S95/P110/N80
 Set @: 13529
 Sxs Cmt: 1900
 Circ: N
 TOC: 6530 calc
 Hole Size: 8 1/2 to 13544

T/Morrow 12,410'
 T/Wolfcamp 10,395'
 T/Bone Springs 7,296'
 T/Del 3,548'
 B/Salt 3,210'
 T/Salt 590'



KB: 3324
 GL: 3304
 Spud Date: 6/10/1975
 Compl. Date: 10/15/1975

448 13 3/8 Csg

3710' - Surface, 1600 sxs CI C cmt - verify to surface
 Stub, B/Salt, Shoe, T/Salt, Surface Plug

3560 9 5/8 Csg

Cut and pull 5 1/2" csg @ 3660'

6560' - 6460', 25 sxs CI C cmt - Spacer Plug

6530' TOC (calc)

7296' - 7096, 30 sxs CI C cmt - Bone Springs Plug

10295' - 10095', 35 sxs CI H cmt - Wolfcamp plug

11980' - 11760', 35 sxs CI H cmt, WOC & TAG - Atoka Perf Plug

11988' - 11995' Atoka Perfs

12088' - 12096' Atoka Perfs

12530 CIBP w/ 35' cmt cap

12639' - 12836' Morrow Perfs

12880 CIBP w 10' cmt cap

13005' - 13082' Morrow Perfs

13130' CIBP w/ 10' cmt cap

13146' - 13154' Morrow Perfs

13529' 5 1/2 Csg

13544' 8 1/2 TD

PBTD: _____
 TD: 13544

Updated: 1/7/2014
 Author: crm
 Engr: FDS

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: Big Eddy Unit #44

API #: 30-015-21529

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: Jan 8, 2014

APPROVED BY: *HWade*

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).