

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FEB 24 2009

5 Lease Serial No.

NMLC067144

6 If Indian, Allottee or Tribe Name

7 If Unit or CA/Agreement, Name and/or No

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well

☐

Oil Well

☒

Gas Well

☐

Other

2. Name of Operator

BOPCO, L.P.

3a Address

P.O. Box 2760 Midland TX 79702

3b. Phone No. (include area code)

(432)683-2277

4 Location of Well (Footage, Sec, T., R., M., or Survey Description)

UL K, SEC 25, T21S, T28E, 1980' FSL, 2130' FWL

8 Well Name and No

BIG EDDY #66

9 API Well No.

30-015-22682

10. Field and Pool, or Exploratory Area

INDIAN FLATS (ATOKA)

11 County or Parish, State

EDDY

NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☒ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

BOPCO, L.P. respectfully requests permission to plug and abandon the subject wellbore as follows:

1. 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.
2. Test 2-3/8" x 5-1/2" annulus to check tubing integrity. Circulate w/ 9.5 ppg mud and pull tbg.
3. Spot 30 SX Class H 11275' - 11500' SQZ WOC TAG.
4. Spot 75 SX Class H 10880' - 11100' TAG.
5. RU Wireline and freepoint 5-1/2". Cut and pull same from +/- 11000'.
6. Spot 75 SX Class H 9640' - 9840'. Tag > open hole plugs
7. Spot 65 SX Class C 6275' - 6445'. Tag > open hole plugs
8. Spot 75 SX Class C 2675' - 2875' TAG.
9. Spot 60 SX Class C 2340' - 2490'. Tag - Base of Salt
10. Spot 105 SX Class C 250' - 525' TAG.
11. Spot 40 SX Class C 0' - 100'.
12. Set P&A marker and remediate location.
13. Use steel tank and haul all fluids.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL14 I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Valerie Truax

Title Regulatory Admin Assistant

Signature

Date 02/11/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

APPROVED

Approved by

Title

Date FEB 21 2009

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

JAMES A. AMOS

Title 18 USC Section 1001 and Title 43 USC Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

PROPOSED PLUG AND ABANDONMENT WELLBORE DIAGRAM

Lease: **BIG EDDY UNIT** Well No.: **66**
 Field: **INDIAN FLATS ATOKA**
 Location: **2130 FWL & 1980 FSL Sec. 25, T21S, R28E**
 County: **Eddy** St: **JM** API: **30-015-22682**

Surface Csg.

Size: **11 3/4**
 Wt: **42**
 Grd: **H40**
 Set @: **330**
 Sxs cmt: **490**
 Circ: **N**
 TOC: **23**
 Hole Size: **15** to **400**

Intermediate Csg.

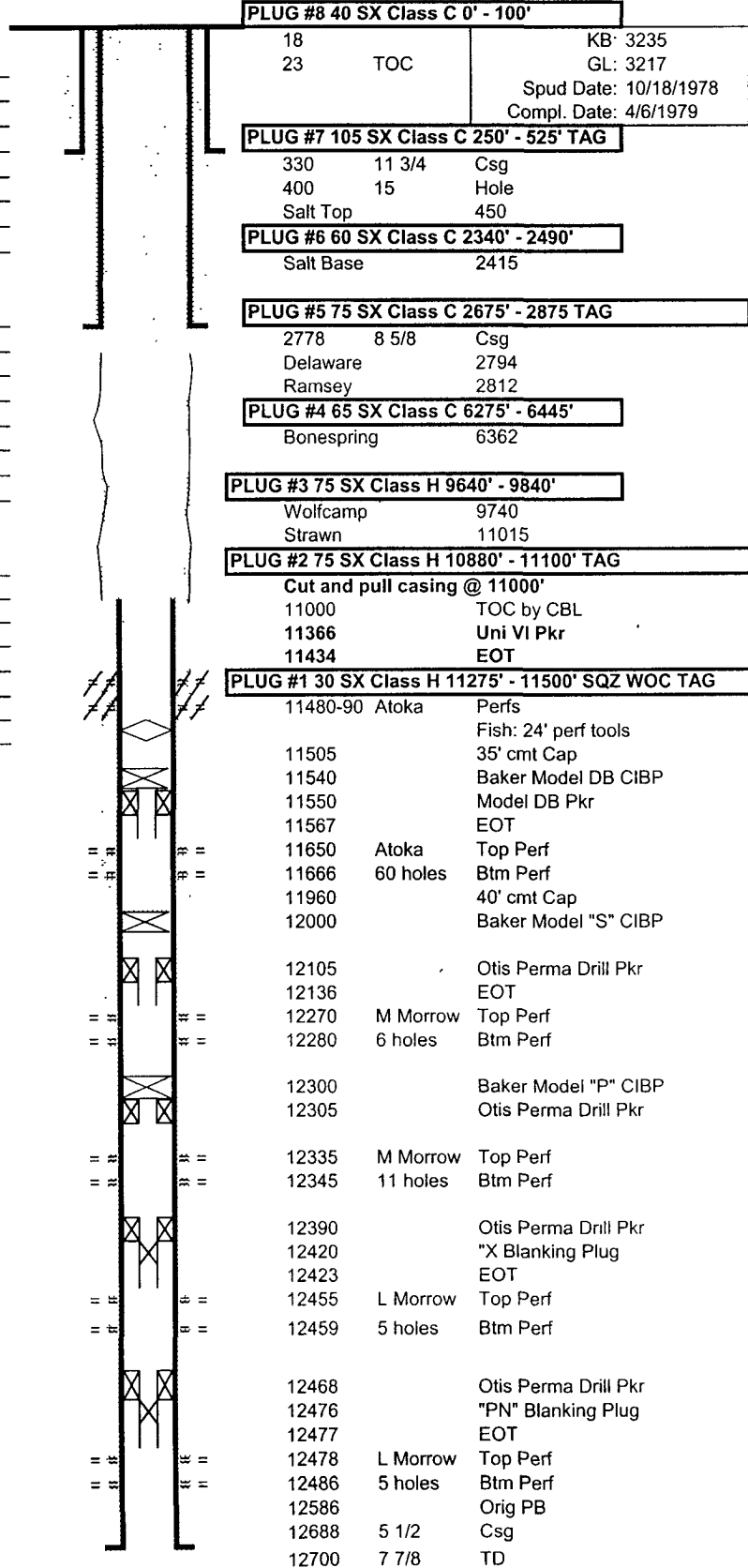
Size: **8 5/8**
 Wt: **24/28**
 Grd: **J55/S80**
 Set @: **2778**
 Sxs Cmt: **1150**
 Circ: **Y**
 TOC: **Surf**
 Hole Size: **11** to **2780**

Production Csg.

Size: **5 1/2**
 Wt: **17**
 Grd: **N80/S95**
 Set @: **12688**
 Sxs Cmt: **1100**
 Circ: **N**
 TOC: **11000** by CBL
 Hole Size: **7 7/8** to **12700**

Tubing

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



PBTD: **11505**
 TD: **12700**

Updated: **2/5/2009**
 Author: **CCC/arc**
 Engr: **CCC**

WELL HISTORY

WELL NAME: Big Eddy Unit # 66

API: 30-015-22682

FIELD NAME: Indian Flats (Atoka)

LOCATION: 2130' FWL & 1980' FSL, SEC 25, T21S, R28E
Eddy County, New Mexico

TD: 12700

3235' KB

PBTD: 11505

3217' GL

SPUD DATE: 10/18/1978

COMP DATE: 04/06/1979

CASING:	Size	Wt	Grd	Set Depth	Sxs	Class	TOC	Hole	Hole Depth
	11 3/4	42	H-40	330	490	C	23	15	400
	8 5/8	28	S-80	2778	750	Lite	Surf	11	2780
		24	J-55		400	C			
	5 1/2	17	N-80	12688	200	Lite	11000 by CBL	7 7/8	12700
			S-95		900	H			
LINER:									
OPEN HOLE:									
TUBING:	369 jts 2 3/8" 4.7# N-80								

DST: 10/28/1979 DST 2780-2917

10/31/78 DST DEL 2751-2917'. Open 4 hrs. Rec 20' oil + 583' SW. 1 hr ISIP 1174#, FP 38-291#, 3 hr FSIP 1149#, HP 1225-1225#. DST DEL 2970-3000'. Open 4 hrs. Rec 1000' Sul wtr. 1 hr ISIP 1281#, FP 32-465#, 3 hr FSIP 1281#, HP 1325-1325#, BHT 69°.

11/6/78 DST DEL 5870-5961'. Open 4 hrs, GTS in 1 hr 50 mins @ TSTM. Rec 2718' SW + 135' oil. 1 hr ISIP 2592#, FP 203-1386#, 3 hr FSIP 2617#, HP 2642-2693#.

12/5/78 DST ATOKA 11474-11553'. Open 1 hr 15 mins. Rec 430' MCO + 120' MCW, 1 hr 15 mins ISIP 6846#, FP 2153-3436#, 2 hr 30 MIN FSIP 6846#, HP 6987-6987#, BHT 186°.

CORES: 10/31/78 Cored DEL 2857-2871'. Rec 14' fine gr sd w/SCAT bldg oil. Cored DEL 2871-2898'. Rec 27' sd w/SLT SCAT bldg oil. Cored DEL 2898-2906'. Rec 8' fine gr sd, yellow fluor, good odor. Cored DEL 2906-2917'. Rec 11' sd w/NS, no odor, no fluor.

BIG EDDY UNIT # 66**Well History****LOGS:**

DATE	LOG	COMPANY	TOP	BOTTOM
12/20/1978	DLL-RXO-GR & CNL-FDC-GR			
01/12/1979	GR-CCL-CMT BOND LOG			
05/14/1979	CNL-FDC-DILL-MICL			

FORMATION TOPS:

Delaware	2794
Bone Spring	6362
Wolfcamp	9740
Strawn	11015
Atoka	11377
M Morrow	12172
L Morrow	12448
Barnett	12695

PRESSURE SURVEY:

DRILLING: Set 11 3/4" csg @ 329.60. Cmt'd basket 100' below GL. Cmt w/ 290 sxs Cls "C". Dumped sand on basket & topped w/ 200 sxs Cls "C". TOC 5' below GL.
 Cmt 8 5/8" csg: Stage 1: w/ 450 sxs Howco Lite, tailed w/ 200 sxs Cls "C". Open DVTool @ 898'. CIRC. Stage 2: s/ 300 sxs Hallco Lite, tailed w/ 200 sxs Cls "C". CIRC.
 Cmt 5 1/2" csg w/ 200 sxs Howco Lite + 900 sxs Cls "H".

INITIAL COMPLETION:

01/12/1979 Run GR/CCL/CBL.
 01/18/1979 **Perf** Morrow intervals 12478', 12480', 12482', 12484', 12486' w/4" csg gun, 1 JSPF. Set perm **pk**r @ 12468'.
 01/26/1979 **Acidize** w/1000 gals 7-1/2% MS acid + 1000 SCF N2/bbl @ 1-1/2 BPM @ 6700 PSI. Swab 14 BWPH, gas TSTM. Set "PN" blanking plug in "N" Nipple of **pk**r.
 02/03/1979 **Perf** Morrow intervals 12455', 12456', 12457', 12458', 12459' w/csg run, 1 JSPF. Set perm **pk**r @ 12390'.
 02/07/1979 **Acidize** w/1000 gals 7-1/2% MS acid + 1000 SCF N2/bbl @ 1/2 BPM @ 6200 PSI. Well flwd 400-500 MCFPD + 2-3 BWPH. Set "X" blanking plug in "NX" Nipple @ 12420'.
 02/15/1979 **Perf** Morrow intervals 12335-12345' w/csg gun, 1 JSPF (11 holes). Set perm **pk**r @ 12305'.
 03/06/1979 **Acidize** w/1000 gals 7-1/2% MS Acid + 1000 SCF N/bbl @ 3.2 BPM @ 5900 PSI. Well would not flow.
 03/06/1979 Set **CIBP** @ 12300'.

BIG EDDY UNIT # 66
Well History

03/13/1979 **Perf** Morrow intervals 12270', 12272', 12274', 12276', 12278', 12280' w/4" csg gun. Set perm **pk**r @ 12105'.

03/16/1979 **Acidize** w/1000 gals 7-1/2% MSR-100 + 1500 SCF N2/bbl @ 2 BPM @ 7500 PSI. Well flwd 350 MCFPD + 0 BW @ 30# FTP.

03/28/1979 **Frac'd** Morrow 12270-12278' w/10000 gals gelled MS acid + 7150# 20/40 sd + 825# 20/40 BAUXITE @ 4.5 BPM @ 9000 PSI.
4-Point test 04/05/1979
Morrow CAOF 959 MCFPD. Put on line.
IP: F 3 BOPD + 1 BWPD + 887 MCFPD W/800# FTP.

WORKOVERS:

02/21/1988 RECOMPLETE
Pull tbq. Set **CIBP** @ 12000' & CAP w/40' cmt. Spot 100 gals 10% acetic acid 11670-11568'. Set perm **pk**r @ 11550'. Ran tbq.

02/25/1988 **Perf** Atoka interval 11650-11658' & 11661-11666' w/1-9/16" thru tbq gun, 4 JSPF, 60 holes.

02/26/1988 ARC WL BHP = 6600 PSIA @ 11640' (0.567 PSI/FT); 6602 PSIA @ 11658' (0.566 PSI/FT) (2/26/88). **4-Point** Test.
AWO: F 3300 MCFPD W/4000 PSI FTP. Well CI.

04/21/1995 RECOMPLETE
Run 12 hr press svy. POOH making gradient stops @ 10000, 8000, & 6000; - surf press 639 psi, BHP 837 psi.

04/24/1995 Set 5-1/2" **CIBP** @ 11540' w/35' cmt on top.

04/25/1995 Pump 500 gals 15% HCL. Flush acid w/34.6 bbls same to bring top of acid to 11430'. Rev out acid. Pump 500 gals 10% acetic acid. Flush w/33.6 bbls treated BW to bring top of acid to 11430'. Rev circ w/25 bbls treated BW. Swab - rec 31 bbls 100% wtr.

04/26/1995 **Perf** 11480-11490', 41 holes (4 JSPF). Surf press incr to 4100 psi. Attempt to POH, tools would not pass back into entry guide. Work WL w/no success. Flow well to loosen tools - no success & TP incr to 5350 psi. Pull out of rope socket & POH w/electric line. At 1800' FS well unloaded line into cellar, over crown & tangled thru derrick. Attempt to close tree valves. Electric line still thru tree. Cut line w/valves to control well.
Left in hole: 13/16" fishing neck, 1-3/8" head, 1-3/16" to 1-11/16" tool saver & 1-11/16" deployment head & unknown amt of .23" electric line. Total length of tools 23.8'. Flow well. SI.
Run 4-pt test. Place well on prod.
AWO: 5/13/95 24 hrs F 27 BO, 0 BW, 3000 MCFD on 15.5/64" chk.
LP 500 psi, FTP 2700#.

BIG EDDY UNIT # 66
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10/31/1995	Run Arc Pressure Data Survey. 1 Quartz and 1 Amerada gauge assembly to 11350'. POH making gradient stops @ 10000', 8000' and 6000'.
12/08/2000	MIT Test.
06/18/2002	MIT Test. Good Test.
02/17/2005	MIT Test. Good Test.



BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

Permanent Abandonment of Federal Wells
Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. In lieu of a cement plug in a cased hole, a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. **Dry Hole Marker:** All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

7. **Subsequent Plugging Reporting:** Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. **Trash:** All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration conditions of approval will be developed and furnished to you.