

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

MAY 19 2008

OCD-ARTESIA

2. Name of Operator  
BEPCO, L.P.3a. Address  
P.O. BOX 2760 MIDLAND TX 79702-27603b. Phone No. (include area code)  
(432)683-22774. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
SEC 26, T21S, R28E, UL B. 1980 FEL, 1660' FNL

S

5. Lease Serial No.

NM-069219

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

BIG EDDY #70

9. API Well No.

30-015-23473

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			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 recompleat 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 recompleat 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.)

BEPCO, L. P. respectfully requests permission to P &amp; A the subject wellbore as follows:

- MIRU plugging equipment and PU. TIH w/ tubing to sand on RBP @ 11,877' & circ hole w/ 9.6 ppg mud. TOH.
1. TIH & set CIBP @ 11,850' & spot 30 sxs Class H to 11,700'. TOH
  2. TIH & set CIBP @ 11,400' & spot 30 sxs Class H to 11,250'. PUH to 6300'.
  3. Perf @ 6300' & spot & squeeze 75 sxs Class C. TOH.  
Freeport & cut 5-1/2" csg @ 2660'. Circulate out w/ 9.5 ppg mud. Pull & recover 5-1/2" csg. TIH w/ tubing.
  4. Spot 90 sxs Class C @ 2500' - 2700'. PUH, WOC, & TAG. PUH to 500'.
  5. Spot 90 sxs Class C @ 300-500'. PUH, WOC & TAG. PUH to 60'.
  6. Spot 30 sxs Class C @ 0-60'.  
Set P & A marker and remediate location.  
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)

ANN MOORE

Title PRODUCTION CLERK

Signature

Ann Moore

Date 04/30/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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.

Title

Office

Date MAY 17 2008

JAMES A. AMOS  
SUPERVISOR EPS

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. 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)

Accepted for record  
NMOC

Lease: **BIG EDDY # 70****BIG EDDY UNIT # 70**

Field: Indian Flats Atoka (Inactive)

Indian Flats Morrow (T/A)

Location: 1980 FEL &amp; 660 FNL Sec. 26, T21S, R28E

County: Eddy St: NM

API: 30-015-23473

**Surface Csg.**

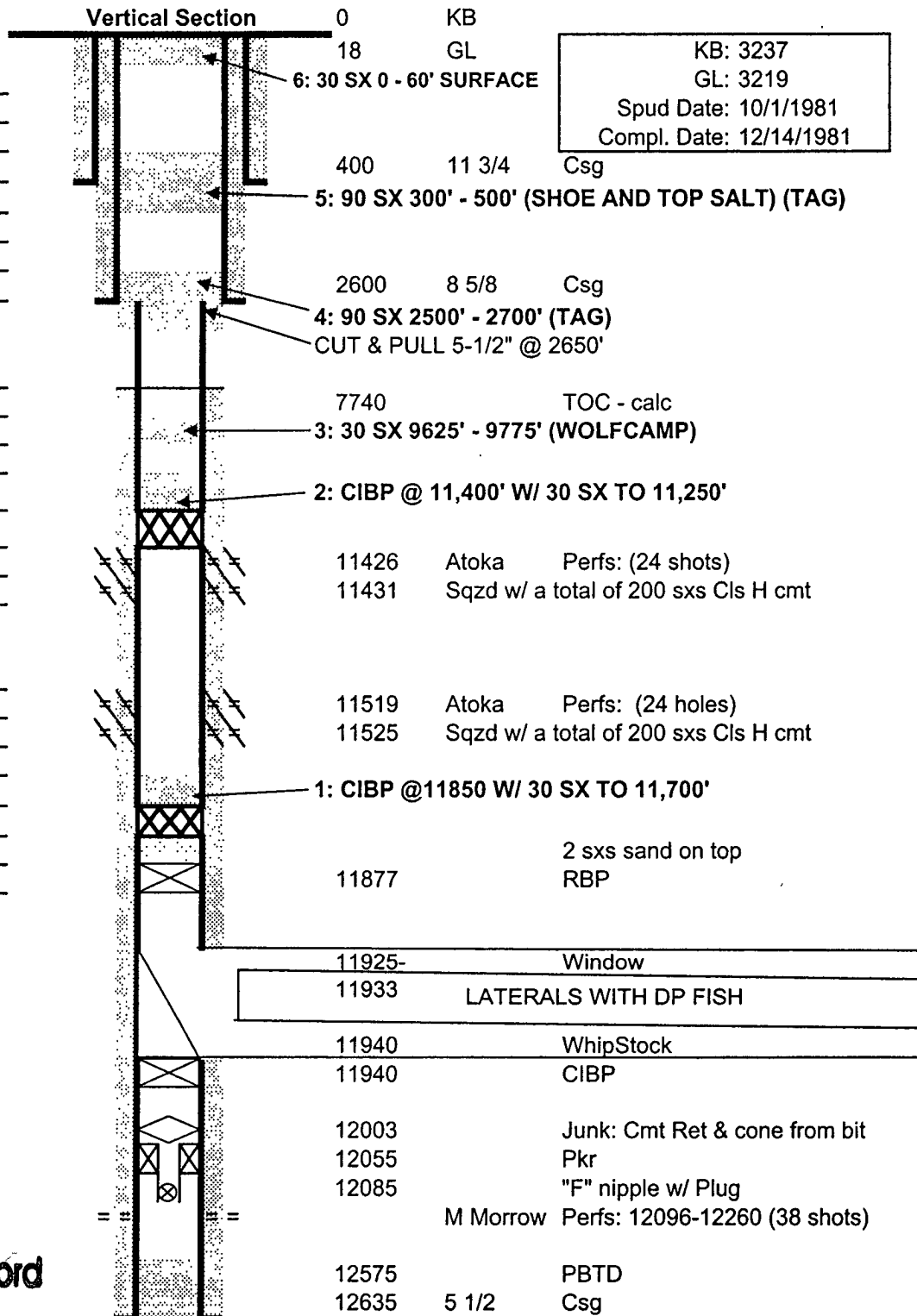
Size: 11 3/4  
 Wt: 42  
 Grd: H-40  
 Set @: 400  
 Sxs cmt: 450  
 Circ: Y  
 TOC: Surf  
 Hole Size: 15

**Intermediate Csg.**

Size: 8 5/8  
 Wt: 28  
 Grd: S-80  
 Set @: 2600  
 Sxs Cmt: 1315  
 Circ: Y  
 TOC: Surf  
 Hole Size: 11

**Production Csg.**

Size: 5 1/2  
 Wt: 17  
 Grd: N80/S95  
 Set @: 12635  
 Sxs Cmt: 1000  
 Circ: N  
 TOC: 7740 calc  
 Hole Size: 7 7/8

**Tubing**

Accepted for record  
 NMOCD

PBTD: 12003  
 TD: 12635

Updated: 4/29/2008  
 Author: SFJ  
 Engr: SFJ

## WELL HISTORY

**WELL NAME:** Big Eddy #70  
**FIELD NAME:** Indian Flats Atoka

**Big Eddy Unit # 70**  
 Indian Flats Morrow

**LOCATION:** 1980 FEL & 660 FNL Sec. 26, T21S, R28E  
 Eddy County, NM

**API:** 30-015-23473

**TD:** 12635

3237' KB

**PBTD:** 12003

3219' GL

**SPUD DATE:** 10/01/1981

**COMP DATE:** 12/14/1981

Horizontal Spud Date: 08/29/2004

CASING:	Size	Wt	Grd	Set Depth	Sxs	Class	TOC	Hole	Hole Depth
	11 ¾	42	H-40	400	450	C	Surf	15	400
	8 5/8	28	S-80	2600	1065 250	Lite C	Surf	11	2600
	5 ½	17	N-80 S-95	12635	200 800	Lite "H"	7740 calc	7 7/8	12635
<b>LINER:</b>									
<b>OPEN HOLE:</b>									
<b>TUBING:</b>									

**DST:** #1 – 10/28/1981 – 11000-11043. Strawn.

**CORES:** 11/07/1981: 11' – 12188-12199'

### LOGS:

DATE	LOG	COMPANY	TOP	BOTTOM
11/09/1981	TEMP & CAPACITANCE			
11/11/1981	CYBERLOOK			
11/11/1981	SIMULT COMP NEUTRON FORM DENSITY			
11/11/1981	SIMULT DUAL LATEROLOG MSFL			
11/13/1981	MUD LOG			
11/25/1981	ADV. SYNERGETIC LOG-PRODUCIBILITY			

**FORMATION TOPS:**

Delaware	3760
Bone Spring	6238
Wolfcamp	9638
Strawn	10803
Atoka	11238
Morrow	11828
M Morrow	12085
L Morrow	12364

**Accepted for record  
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**BIG EDDY UNIT # 70**  
**Well History**

**PRESSURE SURVEY:**

12/15/1981: Four-Point Test  
03/05/1988: Four-Point Test  
09/28/1988: ARC: Dip-In  
10/30/1989: Gradient Survey

**DRILLING:**

Cmt 11 3/4" csg w/ 450 sxs Cls "C". CIRC.  
Cmt 8 5/8" csg w/ 1065 sxs Lite, Tailed w/ 250 sxs Cls "C". CIRC.  
Cmt 5 1/2" csg w/ 200 sxs Lite & Tailed w/ 800 sxs Cls "C". TOC 7740 calc.

**INITIAL COMPLETION:**

12/10/1981 Tag PBTD @ 12575. Spotted 170 gal 7.5% MSR-100, 12090-12260.  
12/11/1981 **PERF** M Morrow @ 12096, 12099, 12106, 10110, 12192, 12194, 12196, 12198, 12207, 12208, 12255, 12257, 12259 (13 shots).  
Set **Pkr** @ 12055 w/ EOT @ 12087.  
12/15/1981 Four Point Test. CAOF 6.077 MMCFPD.  
02/12/1981 Put well to sales line.

**WORKOVERS:**

03/01/1983 **Acidize:** M Morrow w/ 6500 gals 7.5% HCL + 1289 SCF N2.  
03/03/1983 Swab, put well online.  
03/07/1984 **Re-PERF:** 12254-12260 w/ 25 shots 4 JSPF.  
11/12/1984 Install Gas Compressor.  
02/24/1988 Set **plug** in "F" nipple @ 12104 WLM.  
02/25/1988 Spot 20 sxs Cls "H" 11756-11850.  
02/26/1988 Set **Pkr** @ 11442. —  
02/27/1988 **PERF:** 11519-11525 – 24 holes. 4 JSPF. *AtoKa*  
02/28/1988 **Acidize:** w/ 1500 gals 7.5 % HCL + 3 gals /1000 gals T-5, + 3 gals /1000 gals FS-II, + 5 gals / 1000 gals XR-2L, + 1 gal / 1000 gal Claymaster, + 2 gals / 1000 gals I-17. ISIP 4700psi, 5min 4500psi, 10min 4450psi, 15min 4400psi.  
03/02/1988 Set Otis "**PXN**" plug in "XN" nipple @ 11458. Dump 1 pint of Mercury on "**PXN**" plug.

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**BIG EDDY UNIT # 70**  
**Well History**

03/03/1988 Spotted 168 gals 10 Acetic acid 11248-11420. Set PKR 11337.

03/05/1988 **PERF:** 11426-11431 (24 shots) 4 JSPF. Four point test w/ bombs in "X" nipple @ 11336.

03/07/1988 **Acidize:** w/ 1500 gals 7.5% HCL + 30gals / 1000gals Morflo-II NE, + 50gals /1000gals MUSOL NE, + 2gals/ 1000gals TRI-S, + 10gals/1000gals CLA-Sta, + 3 gals / 1000gals HAI-75. ISDP 4500psi, 5min 3000psi, 10min 2800psi, 15min 2500psi. Closed well in pending state filings.

09/28/1988 **ARC:** Run dip in to 11300. Surface 2946psi.

10/30/1989 **ARC:** 1 electronic, 1 Amerada gauge. Made gradient stops every 2000' to 11300.

12/22/1989 Swab.

03/15/1995 MIT = OK.

12/08/2000 MIT = OK.

06/19/2002 MIT = OK.

**AFE #23156 - Drill & Complete 3 Morrow Lateral**

07/07/2004 Pull Tubing & Mill out Packer @ 11337.

07/15/2004 Mill out **Pkr** @ 11442. Fell Free. Push to 11847. Recovered packer.

07/20/2004 Set **Cmt Retainer** @ 583.

0721/2004 Attempt to push downhole, failed. Drill out & pushed remainder of Cmt retainer to 11847.

07/23/2004 **Sqz** Atoka Perfs 11426-11431 w/ 100sxs Cls "H" cmt.

07/27/2004 Set Cmt Retainer @ 11475. **Sqz** Atoka Perfs 11519-11525 w/ 100sxs Cls "H" cmt. Drill out cmt & retainer.

07/29/2004 Drill out **cmt plug** & chase remainder of retainer to 12003. Lost cone from bit. Log from 11995 – 9500.

08/02/2004 Set **cmt retainer** @ 11360. Sqz Atoka Perfs 11426-11431 & 11519-11525 w/ 200sxs Cls "H" cmt. Drill out cmt & **retainer** to 12003'. Left in hole: remainder of cmt retainer and cone from bit. PBTD @ 12003.

08/25/2004 Begin MI & RU drlg rig.

08/29/2004 Set **CIBP** @ 11940.

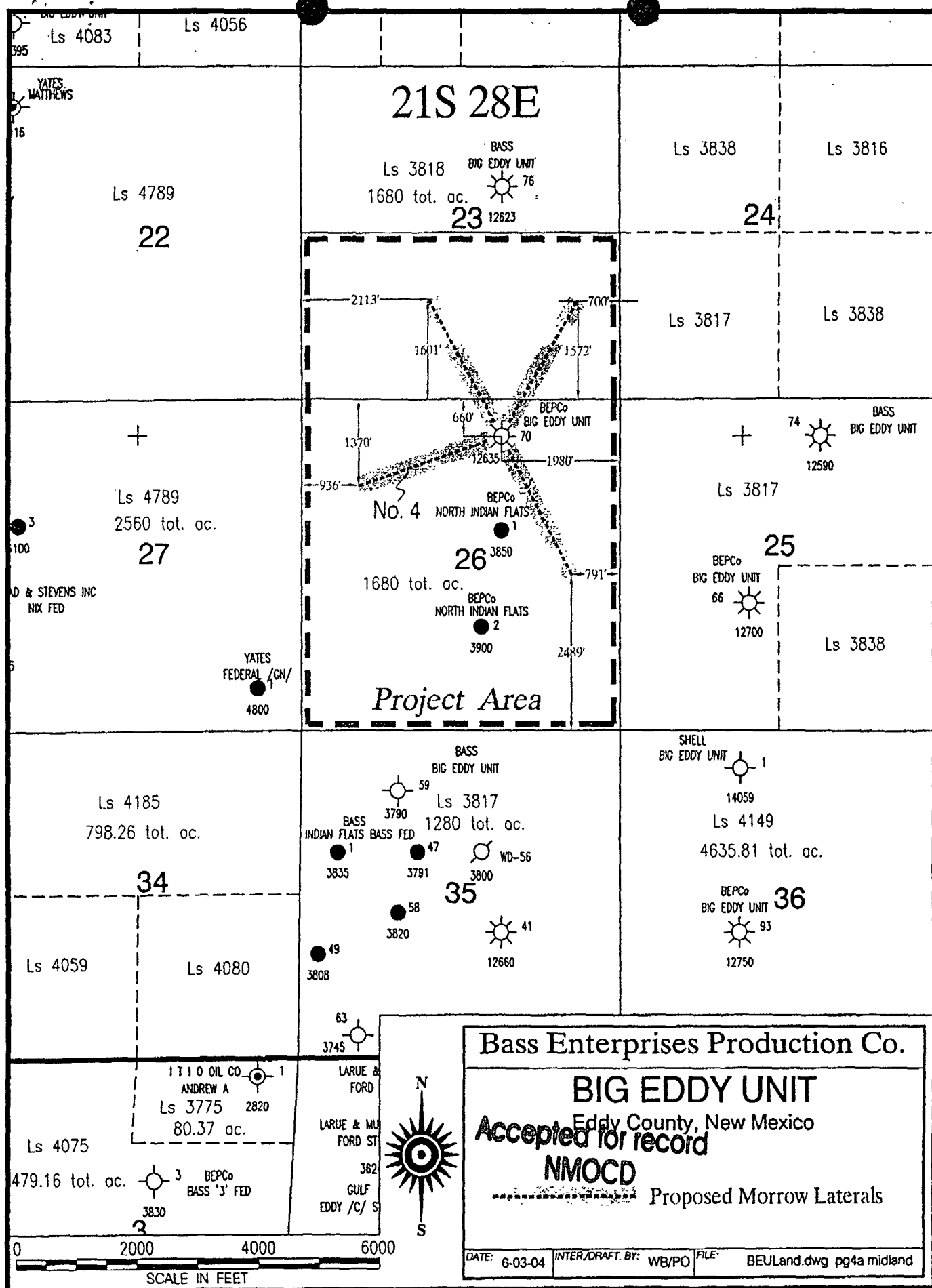
08/31/2004 Set **Whipstock** at 155.71° Azm. *Let logs?*

**Accepted for record**  
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**BIG EDDY UNIT # 70**  
**Well History**

09/02/2004	Mill window in casing, 11925-11933. Drlg Curve: 11933-12156.
09/13/2004	Motor stuck in curve @ 12097'. Left motor in hole. Will sidetrack around fish.
09/14/2004	Begin sidetrack @ 11999.
09/29/2004	Work stuck pipe, worked loose & up to 12,505'. Regained circ. Hole packed off while back reaming for a connection. Work stuck drill pipe. Drill pipe is packed off. Called for coil tbg unit to fish LWD.
10/14/2004	Washing & reaming. Pipe "stuck" w/ bit at 12,536'. Bit at 12,409'. Broke circ at 12,390'.
10/16/2004	Received orders to SD operations.
10/17/2004	TIH w/ <b>retrievable bridge plug</b> , set at 11,884' bottom, top at 11,877'.
10/18/2004	dump 2 sx of sand on top of RBP*.
10/19/2004	<b>WELL IS T&amp;A'ED. WORKOVER IS UNSUCCESSFUL.</b> <b>FINAL REPORT.</b>

**Accepted for record**  
**NMOCD**



BEPCO, L. P.

NMNM069219; Big Eddy #70  
1980' FEL & 1660' FNL  
Sec. 26, T21S-R28E  
Eddy County, New Mexico

RE: Plugging & Abandonment, Conditions of Approval

1. Plug to be a minimum of 210' (100' plus 10% per 1000').
2. Plug to be a minimum of 210' (100' plus 10% per 1000').
- 2.a. Add plug, PUH to 9700' spot 30 sxs Class H to 9500' (covers Wolfcamp top).
3. Plug to be a minimum of 160' (100' plus 10% per 1000'). WOC tag. PUH to 3810'
- 3.a. Perf @ 3810 & spot & squeeze 75 sxs class C to 3670' (covers Delaware top). WOC tag. TOH, cut/pull
4. Spot plug from 2700'-2365' (stub, shoe & base of salt). WOC and tag.
5. No change
6. No change

If any questions, call Jim Amos at 505-234-5909.

James A. Amos  
SEPS

5/17/08

**Accepted for record  
NMOCD**



**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 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> 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.

**Accepted for record**  
**NMOCD**