

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 ☐ Other2. 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)  
1980' FWL, 660' FNL, UL C, SEC 27, T20S, R31E

5. Lease Serial No.

LC-065431

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No

JOSEPHINE RODKE FEDERAL #2

9. API Well No

30-015-21729

10. Field and Pool, or Exploratory Area  
PARALLEL (DELAWARE)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 Plug and Abandon the subject well as follows:

MIRU plugging equipment and PU.

1. RIH and tag CIBP set previously set @ 4389'. Circulate wellbore w/10 ppg salt gel mud.
  2. Spot 25 sxs class "C" neat cement from 4078 to 4389'.
  3. Spot 25 sxs class "C" neat cement from 3612 to 3923' (Top Delaware, 7" csg. shoe plug)
  4. Spot 25 sxs class "C" neat cement from 3338 to 3529' (Top of liner) WOC & Tag.
  5. Spot 25 sxs class "C" neat cement from 2495 to 2595' (Capitan Reef)
  6. Spot 60 sxs class "C" neat cement from 2260 to 2610' (B/Salt, 9-5/8" csg. shoe plug) WOC & Tag.
  7. Squeeze 50 sxs class "C" neat cement from 735 to 915' (T/Salt, 13-5/8" csg. shoe plug) Perf, Sqz & Tag.
  8. Squeeze 55 sxs class "C" neat cement from 513 to 672' (Rustler) Perf, Sqz. & Tag.
  9. Squeeze 35 sxs class "C" neat cement from 0" to 100' (Surface plug) Perf, Sqz.
- Install dry hole marker.

BEPCO will use steel pits and haul fluids each day.

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 08/21/2007

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

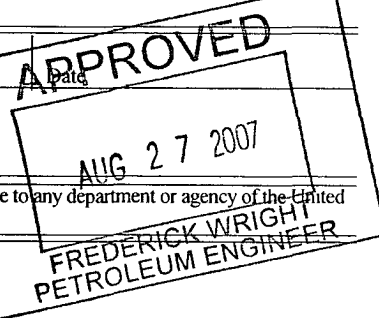
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Office

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)



**WELL HISTORY**  
**RODKE JOSEPHINE FEDERAL #2**  
**(FORMERLY BIG EDDY UNIT #48)**  
**PARALLEL (DELAWARE) FIELD**  
UPDATED 01/26/2007 (SND)

**LOCATION:** 660' FNL & 1980' FWL, SEC 27, T20S, R31E, UNIT LTR C  
EDDY COUNTY, NEW MEXICO

**API #:** 30-015-21729

**ELEV:** **GL:** 3516' **DF:** 3529' **KB:** 3530'

**SPUD DATE:** 03/03/1976

**COMP DATE:** 05/20/1976

**ORIG TD:** 7109' **CURRENT TD:** 4389'

**ORIG PBTD:** 5152' **CURRENT PBTD:** 4389'

**CASING:**

03/06/1976 13-3/8" H-40 48# CSA 835' w/625 sx, TOC Circ. 17-1/2" hole 0-835'

03/10/1976 9-5/8" K-55 36# CSA 2560' w/1150 sx, TOC Circ. 12 1/4" hole 0-2560'

03/12/1976 7" K-55 20# CSA 3873' w/200sx, TOC 1400' (TS). 8-3/4" hole 0-3873'

**LINER:**

04/07/1976 5" K-55 14.86# LSA 3529'-5200'. 6 1/4" hole 3529-

**TBG:** 2 3/8" 4.7# J-55 Tbg

**DST:**

**CORES:**

**LOGS:**

BHC-SL

DI-LLPL-ML-DPMTR

PFC

ELT

GR

**DATE:**

03/10/1976

04/04/1976

04/22/1976

06/29/1977

11/10/1976

**DEPTH:**

0-2535'

3867-7106'

3512-5152'

4400-4760'

4200-4763'

**LOGGERS TD:**

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

**INITIAL COMPLETION**

04/07/1976-06/23/1976

04/07/1976 Set BP @ 6650-6800' w/40 sx cmt. Set BP @ 5200-5350' w/40sx cmt.

04/22/1976 PERF 4727-4735' 4742-4747'. Acidize w/2000 gls 7-1/2% HCL.

IP (P) 19 BOPD+11 BWPD.

04/29/1976 Install Cabot 160D pmpg unit. POP.

05/20/1976 (P) 19 BOPD + 11 BWPD. Motion: 8 X 64 X 1 1/4".

06/23/1976 Acidize 4727 - 4747' w/ 2000 gls 7 1/2% MCA + additives.

# **PLUG and ABANDON DIAGRAM**

Lease: JOSEPHINE RODKE FEDERAL Well No.: 2 (Formerly BEU #48)  
 Field: Parallel (Delaware)  
 Location: 660' FNL & 1980' FWL, Sec 27, T20S, R31E  
 County: Eddy St: NM API: 30-015-21729

KB: 3530'  
 GL: 3516'  
 Spud Date: 3/3/1976  
 Compl. Date: 5/20/1976

## **Surface Csg:**

Size: 13-3/8"  
 Wt: 48#  
 Grd: H-40  
 Set @: 835'  
 Sxs cmt: 625  
 Circ: Yes  
 TOC: Surface  
 Hole Size: 17-1/2"

## **1st Intermediate Csg:**

Size: 9-5/8"  
 Wt: 36#  
 Grd: K-55  
 Set @: 2560'  
 Sxs Cmt: 1150  
 Circ: Yes  
 TOC: Surface  
 Hole Size: 12-1/4"

## **Production Csg:**

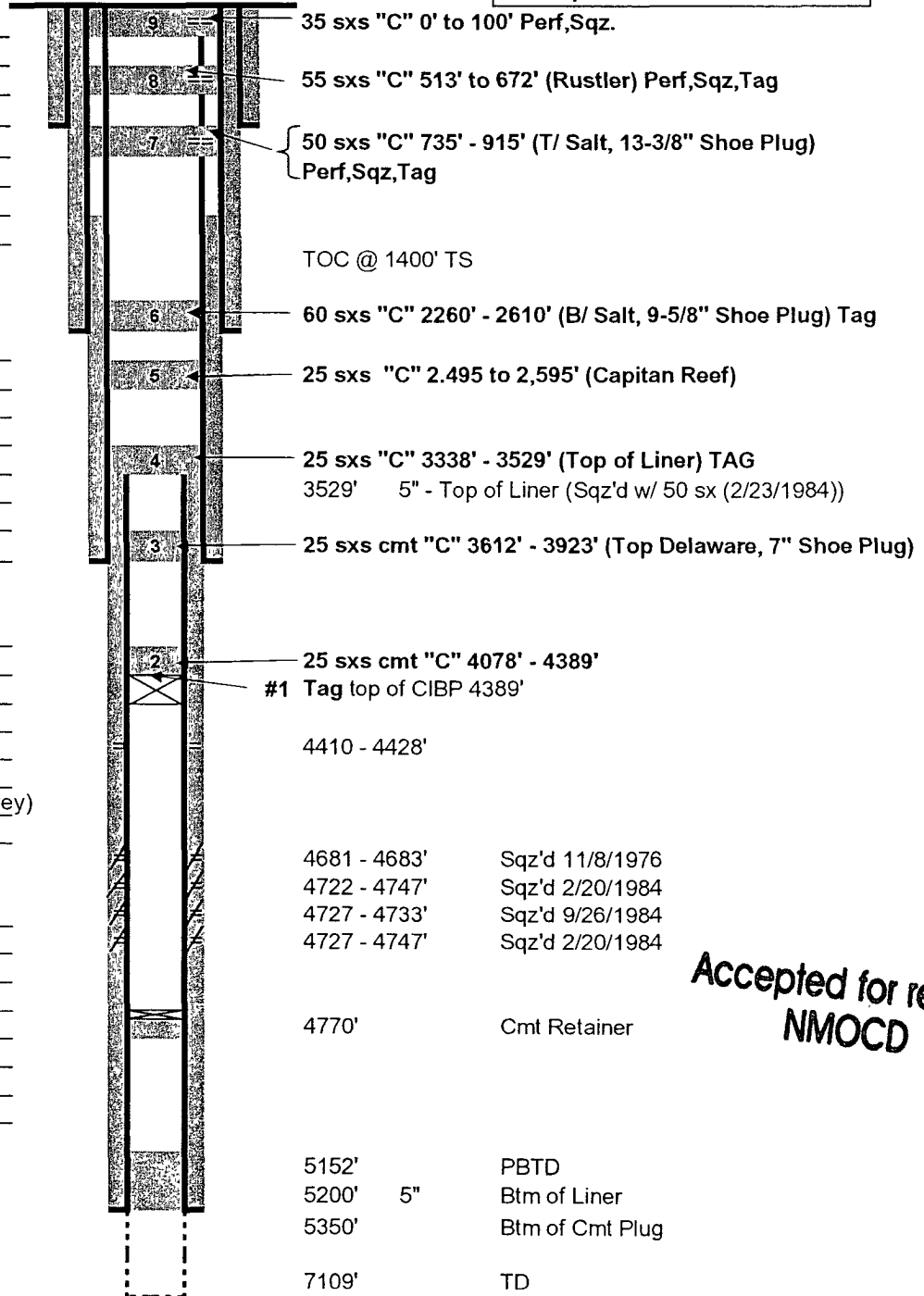
Size: 7"  
 Wt: 20#  
 Grd: K-55  
 Set @: 3873'  
 Sxs Cmt: 200  
 Circ: No  
 TOC: 1400' (Temp Survey)  
 Hole Size: 8-3/4"

## **Liner:**

Size: 5"  
 Wt: 14.86#  
 Grd: K-55 FL-3-S ABC  
 Set @: 3529' - 5200'  
 Sxs Cmt: 285  
 Circ: Yes  
 TOC: 3529'  
 Hole Size: 6-1/4"

## **Formations**

*Rustler* - 622'  
 T/Salt - 915'  
 B/Salt - 2360'  
*Capitan Reef* - 2595'  
 1st Delaware - 3910'  
 Cherry Canyon - 5315'  
 Brushy Canyon - 6922'



4681 - 4683' Sqz'd 11/8/1976  
 4722 - 4747' Sqz'd 2/20/1984  
 4727 - 4733' Sqz'd 9/26/1984  
 4727 - 4747' Sqz'd 2/20/1984

4770' Cmt Retainer

5152' PBTD  
 5200' 5" Btm of Liner  
 5350' Btm of Cmt Plug  
 7109' TD

PBTD: 3589'  
 TD: 7109'

Accepted for record  
 NMOCD

Updated: 6/5/2007  
 Author: WHF  
 Engr: MMM

# CURRENT WELLBORE DIAGRAM

**Lease:** JOSEPHINE RODKE FEDERAL    **Well No.:** 2    (Formerly BEU #48)  
**Field:** Parallel (Delaware)  
**Location:** 660' FNL & 1980' FWL, Sec 27, T20S, R31E  
**County:** Eddy    **St:** NM    **API:** 30-015-21729

## WELL TA'D 5/18/1995

### Surface Csg:

Size: 13 3/8"  
 Wt: 48#  
 Grd: H-40  
 Set @: 835'  
 Sxs cmt: 625 SX Cls "C"  
 Circ: Y 250 SX  
 TOC: SURFACE  
 Hole Size: 17 1/2"

### 1st Intermediate Csg:

Size: 9 5/8"  
 Wt: 36#  
 Grd: K-55  
 Set @: 2560'  
 Sxs Cmt: 1150 SX  
 Circ: Y  
 TOC: SURFACE  
 Hole Size: 12 1/4"

### Production Csg:

Size: 7"  
 Wt: 20#  
 Grd: LONE STAR K-55  
 Set @: 3873'  
 Sxs Cmt: 200 SX  
 Circ: N  
 TOC: 1400' (Temp Survey)  
 Hole Size: 8 3/4"

### Liner:

Size: 5"  
 Wt: 14.86#  
 Grd: K-55 FL-3-S ABC  
 Set @: 3529' - 5200'  
 Sxs Cmt: 285 SX Cls "C"  
 Circ: Y 64 SX  
 TOC: 3529'  
 Hole Size: 6 1/4"

### Tubing

2 3/8" 4.7# J-55 Tbg

### ROD & PUMP DATA

1 1/4" Polished Rod  
 3/4" Sucker Rods  
 2" Pump No-Go

PBTD: 3589'

TD: 7109'

|              |         |   |
|--------------|---------|---|
| 0            | KB      |   |
| 14           | GL      |   |
| 835'         | 13 3/8" |   |
| 1400'        |         | TOC                                       |
| 2560'        | 9 5/8"  | Csg                                       |
| 3529'        | 5"      | Top of Liner (Sqz'd w/ 50 sx (2/23/1984)) |
| 3873'        | 7"      | Csg                                       |
| 4356'        |         | SN & EOT                                  |
| 4389'        |         | CIBP                                      |
| 4410 - 4428' |         |   |
| 4681 - 4683' |         | Sqz'd 11/8/1976                           |
| 4722 - 4747' |         | Sqz'd 2/20/1984                           |
| 4727 - 4733' |         | Sqz'd 9/26/1984                           |
| 4727 - 4747' |         | Sqz'd 2/20/1984                           |
| 4770'        |         | Cmt Retainer                              |
| 5152'        |         | PBTD                                      |
| 5200'        | 5"      | Btm of Liner                              |
| 5350'        |         | Btm of Cmt Plug                           |
| 7109'        |         | TD  |

|                     |            |
|---------------------|------------|
| <b>KB:</b>          | 3530       |
| <b>GL:</b>          | 3516       |
| <b>Spud Date:</b>   | 3/3/1976   |
| <b>Compl. Date:</b> | 5/20/1976  |
| <b>X:</b>           | 646322     |
| <b>Y:</b>           | 563934     |
| <b>Lat:</b>         | 32.54947   |
| <b>Long:</b>        | -103.85847 |

Accepted for record  
NMOCD

5/28/1985 Last Day on Pre1988  
 3/16/1995 First Day on Strippings

**Updated:** 1/23/2007  
**Author:** SND  
**Engr:** CC

**WORKOVER SUMMARY:**

11/1976 RECOMPLETE  
3/1977 SPECIAL TESTING  
2/1984 SQZ LINER LEAK  
9/1984 SQZ/PERF/ACIDIZE  
5/1985 ACIDIZE

**WORKOVERS:**

**RECOMPLETE: 11/07/1976-01/17/1977**

11/04/1976 PERF 4781-4783'. Sqz 4781-4783' w/50sx cmt  
11/08/1976 PERF 4681-4683'. Sqz 4681-4683' w/100sx cmt  
11/09/1976 PERF 4722-4747'. Acidize w/1000 gls  
11/10/1976 PERF 4722-4747'. Acidize w/1000 gls 7-1/2% DS-30. Frac w/ 9,500 gls gelled crude w/ 20/40 sand.  
11/24/1976 Speed unit up from 13 SPM to: 15 SPM X 64" X 1 1/4". Test f/svrl days. 24H (P) 30 BO+170 BW.

**SPECIAL TEST: 03/16/1977-04/13/1977**

Special test on zone 4727 – 4747'. Test f/svrl days. (P) 22 BOPD+184 BWPD.

**SQZ LINER LEAK: 02/23/1984-09/21/1984**

Set Ret @ 4660'. Sqz perfs @ 4722 – 4747' w/125sx Cls "H" cmt. Set 2<sup>nd</sup> Ret @ 3500'. Sqz liner top w/ 50 sx Cls "C" cmt. Push 1<sup>st</sup> Ret to 4747'. Set Ret @ ±4630'. Re-sqz perfs @ 4722-4727'. DOC & both rets. PERF 4727-4733' w/ 1 JSPF; 6 Holes (shot 4729' didn't fire). Acidize 4727-4733' w/1000 gls 15% DS-30. AC lkg, rplc AC & set @ 4705' (SN@ 4735'). Test f/svrl days (P) 0 BO+32 BW.

**SQUEEZE/PERF/ACIDIZE: 09/25/1984-10/09/1984**

Ret @ 4761'. Sqz perfs 4727-4733' w/75sx Cls "C".  
PERF 4410-4428' w/ 1 JSPF (10 Shots; all shots fired). Acidize perfs @ 4410-4428' w/1000 gls 15% HCl. Frac perfs @ 4410-4428' w/15,000 gls 70 QF X 3300# 20/40 mesh sand. Test f/svrl days. 24H (P) 10 BO+6 BW.

**ACIDIZE: 05/07/1985-05/28/1985**

Acidize each perf @ 4410' – 4428' (10 total) w/100 gls 15% HCl. Test f/svrl days. (P) 3 BO+0 BW.

**TESTING: 07/29/1988-08/04/1988**

Chg pmp. Test f/svrl days. 24H 6 BO+11 BW.

Accepted for record  
NMOCD

**TA WELL: 05/18/1995**

Set 5" CIBP @ 4389'. TA WELL. RIH w/ 2" No-Go pump on 3/4" rods.

**CASING TEST: 12/11/2000**

Csg test. Pressure to 540#, bled off to 100# in 1 min. Pressure 4 more times & held 535# after 30 mins. Gene Hunt w/BLM witnessed test.

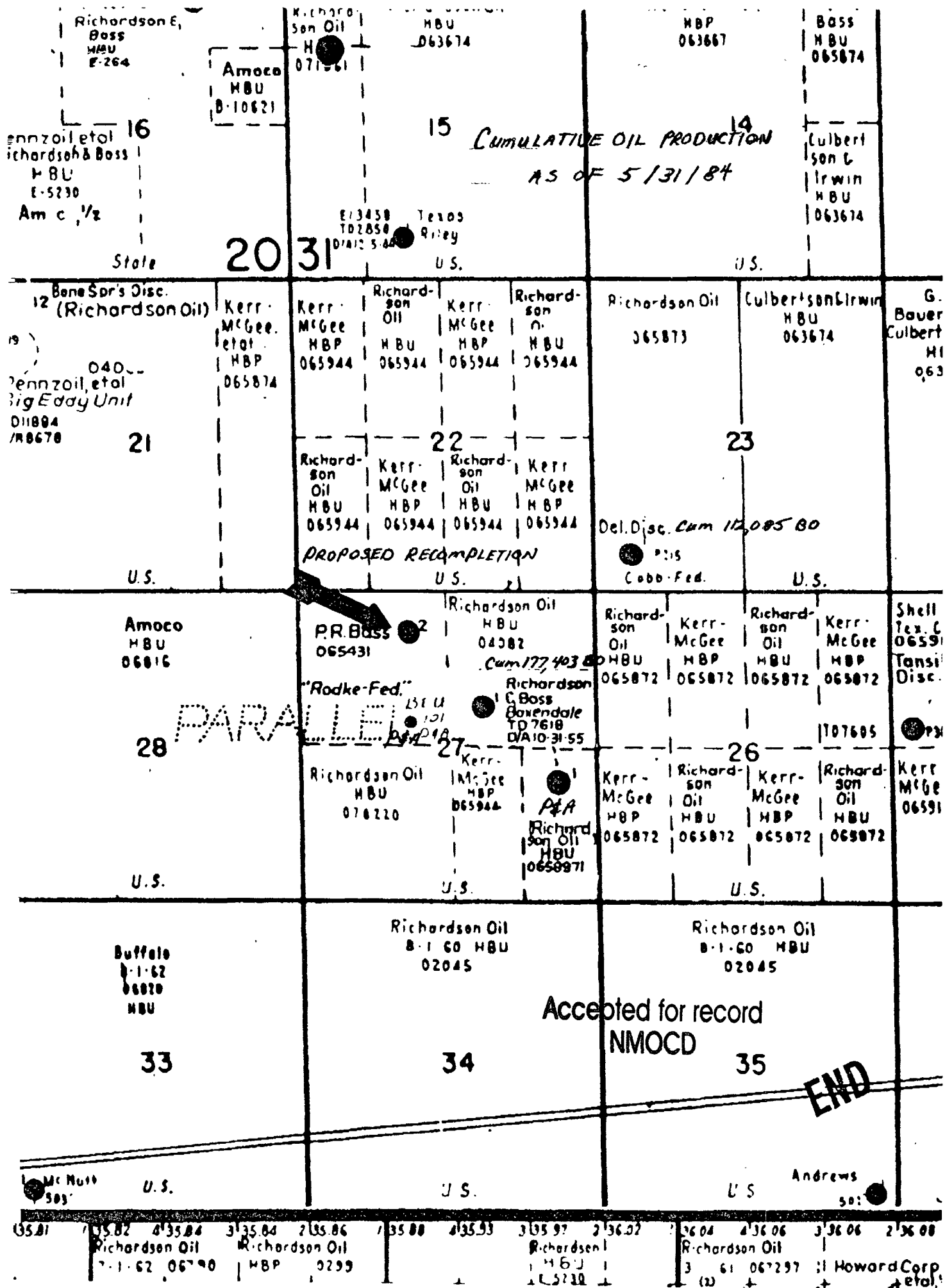
**CASING TEST: 06/18/02**

Csg test. Load csg w/1 bbl 2% KCl pkr fluid. Pressure csg 520#, bled to 300# in 1 min & stab. Re-pressure csg 540#, bled 400# in 1 min & stab. Re-pressure csg 550#, bled to 510# in 1 min & stab. Started test--Held test f/ 35 mins. Chart results. 20# bleed off. Good test per BLM--witnessed by Gene Hunt w/BLM.

**FAILURES:**

|            |             |
|------------|-------------|
| 12/03/1976 | Chg pmp     |
| 05/30/1979 | Chg pmp     |
| 06/16/1979 | Chg pmp     |
| 08/16/1979 | Rod part    |
| 10/11/1979 | Rod part    |
| 01/12/1981 | Tbg parted  |
| 04/02/1984 | Hole in Tbg |

**Accepted for record  
NMOCD**



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
BLM - CRA  
February 08, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir

Use "APPLICATION FOR PERMIT" for such proposals

SUBMIT IN TRIPLICATE

|   |  |
|---|--|
| 1. Type of Well<br><input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other        | 5. Lease Designation and Serial No.<br>LC-065431               |
| 2. Name of Operator<br>Bass Enterprises Production Company  | 6. If Indian, Allottee or Tribe Name                           |
| 3. Address and Telephone No.<br>P. O. Box 2760<br>Midland, Texas 79702-2760    (915) 683-2277   | 7. If Unit or CA, Agreement Designation<br>891000326M          |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br><br>660' FNL& 1980' FWL, SECTION 27, T20S-R31E, Unit Letter C | 8. Well Name and No.<br>Josephine Rodke Federal #2             |
|   | 9. API Well No.<br>30-015-21729                                |
|   | 10. Field and Pool, or Exploratory Area<br>Parallel (Delaware) |
|   | 11. County or Parish, State<br>Eddy County, New Mexico         |

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

| TYPE OF SUBMISSION                                   | TYPE OF ACTION                                  |  |
|--|---|--|
| <input checked="" type="checkbox"/> Notice of Intent | <input checked="" type="checkbox"/> Abandonment | <input type="checkbox"/> Change of Plans         |
| <input type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Recompletion           | <input type="checkbox"/> New Construction        |
| <input type="checkbox"/> Final Abandonment Notice    | <input type="checkbox"/> Plugging Back          | <input type="checkbox"/> Non-Routine Fracturing  |
|  | <input type="checkbox"/> Casing Repair          | <input type="checkbox"/> Water Shut-Off          |
|  | <input type="checkbox"/> Altering Casing        | <input type="checkbox"/> Conversion to Injection |
|  | <input type="checkbox"/> Other                  | <input type="checkbox"/> Dispose Water           |

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Bass Enterprises Production Company respectfully requests approval to Plug and abandon on the Josephine Rodke Federal #2.

The well will be plugged as per the following procedure:

- 1) Load hole with 10# mud laden fluid.
- 2) Cut and pull 7" production casing at approximately 1400'.
- 3) Load hole with 10# mud.
- 4) Cement plug from 4389-4265' (10 sxs).
- 5) Cement plug from 3960-3780' (20 sxs).
- 6) Cement plug from 2610-755' (420 sxs).
- 7) Cement plug from 30-0' (10 sxs).

All cement will be Class "C" Neat (14.8 ppg, 1.32 cubic ft yield, 2 hrs pump time).

The wellhead will be cut off 3' below ground level and a dry hole marker installed. All pits will be backfilled and the location cleaned.

Accepted for record  
NMOCD

START

The well is currently approved to be in TA status until 1-17-2001. We plan to commence plugging the well by this date.

CERTIFIED #P-973-823-655 - JDL:PGS

14. I hereby certify that the foregoing is true and correct

Signed Keith E. Bucy KEITH E. BUCY

Title DIVISION PROD. SUPT.

Date 9/20/00

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Attached

Title

APPROVED

Date

PETER W. CHESTER

CC 5-2000

Title 18 U.S.C. Section 1001, makes 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.

\*See Instruction on Reverse Side

BUREAU OF LAND MANAGEMENT  
WELL RESOURCE AREA



**SUNDRY NOTICE SPECIAL STIPULATIONS**

1. Approval is granted to P/A this well with the following modifications to the procedure:
2. The cement cap on the CIBP @ 4389' must be tagged @ 4354' or more shallow or 35' of cement must be bailed on top of it.
3. The plug proposed for 3529' should be moved to 3579' to include 50' below the top of the liner.

**All plugs, including the surface plug, should leave at least 25 sacks of cement inside the casing, and be at least 100 feet, plus an additional 10% for each 1000 feet of depth.**

**Plugging procedures must conform to 43 CFR 3162.6.d and Onshore Order No. 2.III.G or NMOCD orders if they are more stringent.**

**All of the work approved here must be completed within 90 days**

**Engineering can be reached at 505-706-2779 for any variances .**

**F Wright 8/27/07**

**Accepted for record  
NMOCD**