

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

2 Name of Operator  
BEPCO, L.P.

3a Address P.O. BOX 2760 MIDLAND TX 79702-2760 3b Phone No (include area code) (432)683-2277

4 Location of Well (Footage, Sec, T, R, M, or Survey Description)  
1980' FWL, 660' FNL, UL C, SEC 27, T20S, R31E

APR 29 2008  
OCD-ARTESIA

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 Extend P & A
	<input type="checkbox"/> Change Plans <input checked="" type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon <input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back
	per written order 08JVC040

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 extend the previously approved P & A NOI granted 08-27-07 with corrections made as directed in the special stipulations and changes by engineering: \*

MIRU plugging equipment and PU.

- 1 RIH and tag CIBP set previously set @ 4389'. Circulate & load hole w/10 ppg salt gel mud
  - 2 Spot 25 sxs class "C" neat cement from 4078 to 4389'. Tag (must be @ 4354' or shallower)
  - 3 Spot 25 sxs class "C" neat cement from 3612 to 3923' (Top Delaware, 7" csg. shoe plug)
  - 4 Spot 30 sxs class "C" neat cement from 3388 to 3579' (Top of liner) WOC & Tag.
  - \* 5 Spot 60 sxs class "C" neat cement from 2260-2610' (B/Salt, 9-5/8" csg. shoe, Capitan Reef). Tag
  - \* 6 Cut & pull 7" csg. @ ~1400' to 0' & circulate 10 ppg salt gel mud Spot 60 sxs class "C" neat @ 1325'-1475'.
  - \* 7 Spot 60 sxs class "C" neat cement from 735' to 915' (T/Salt, 13-5/8" csg. shoe plug)
  - 8 Spot 60 sxs class "C" neat cement from 513 to 672' (Rustler) Tag.
  - 9 Spot 30 sxs class "C" neat cement from 0" to 100' (Surface plug). Install dry hole marker.
- BEPCO will use steel pits and haul fluids each day.

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

ANN MOORE

Title PRODUCTION CLERK

Signature

*Ann Moore*

Date 04/16/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

ACCEPTED FOR RECORD

Approved by

Title

Date

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

APR 30 2008

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 make, or to cause to be made, any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Gerry Gave, Deputy Field Inspector of the United States  
MOCD-District II ARTESIA

(Instructions on page 2)

# **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"**

9- 30 sxs "C" 0' to 100'  
 8- 60 sxs "C" 513' to 672' (Rustler)  
 7- 60 sxs "C" 735' - 915' (T/ Salt, 13-3/8" Shoe Plug)  
 6- 60 sxs "C" 1325' - 1475'  
 TOC @ 1400' TS

## **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"**

5- 60 sxs "C" 2260' - 2610' (B/ Salt, 9-5/8" Shoe Plug) Tag  
 4- 30 sxs "C" 3388' - 3579' (50' Below Top of Liner) TAG  
 3529' 5" - Top of Liner (Sqz'd w/ 50 sx (2/23/1984))  
 3- 25 sxs cmt "C" 3612' - 3923' (Top Delaware, 7" Shoe Plug)

## **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"**

2- 25 sxs cmt "C" 4078' - 4389' , Tag  
 #1 Tag top of CIBP 4389'  
 4410 - 4428'

## **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"**

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

## **Formations**

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

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

PBTD: **3589'**  
 TD: **7109'**

Updated: **4/16/2008**  
 Author: **SFJ**  
 Engr: **SFJ**

# 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'**

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

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

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

**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:	DATE:	DEPTH:	LOGGERS TD:
BHC-SL	03/10/1976	0-2535'	
DI-LLPL-ML-DPMTR	04/04/1976	3867-7106'	
PFC	04/22/1976	3512-5152'	
ELT	06/29/1977	4400-4760'	
GR	11/10/1976	4200-4763'	

**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.

**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.

**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

(35.81)	135.82	435.84	335.84	735.86	135.80	435.93	335.97	736.02	136.04	436.06	336.06	736.08
	Richardson Oil		Richardson Oil				Richardson		Richardson Oil			
	1-1-62	06790	HBP	0299			1461	1	3-61	067297	Howard Corp	
							12730	1	(2)	+	et al.	

**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.