OCD-ARTESIA

Form 3160-5

UNITED STATES DEDARTMENT OF THE INTERIOR

FORM APPROVED

BUREAU OF LAND MANAGEMENT SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an abandon well. Use Form 3160-3 (APD) for such proposals. SUBMIT IN TRIPLICATE - Other instructions on reverse side SUBMIT IN TRIPLICATE - Other instructions on reverse side Oil Well Oil Well Submit in Triplicate - Other instructions on reverse side Poker Lake Unit 8. Well Name and No. Poker Lake Unit # 91 2. Name of Operator BEPCO, L.P. 30-015-29509 3a. Address Jb. Phone No. (include area code) 10. Field and Pool, or Exploratory Area	10.
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an abandon well. Use Form 3160-3 (APD) for such proposals. SUBMIT IN TRIPLICATE - Other instructions on reverse side SUBMIT IN TRIPLICATE - Other instructions on reverse side Other NMNM-030456 If Indian, Allotee or Tribe Name Poker Lake Unit Well Name and No. Poker Lake Unit # 91 Name of Operator BEPCO, L.P. SUBMIT IN TRIPLICATE - Other instructions on reverse side Poker Lake Unit # 91 API Well No. 30-015-29509	10.
Do not use this form for proposals to drill or to re-enter an abandon well. Use Form 3160-3 (APD) for such proposals. SUBMIT IN TRIPLICATE - Other instructions on reverse side Poker Lake Unit	¥0.
abandon well. Use Form 3160-3 (APD) for such proposals. 7. If Unit or CA/Agreement, Name and/or in the such proposals. 8. Well Name and No. 9. Oil Well Gas Well Other 9. API Well No. BEPCO, L.P. 30-015-29509	₹0.
7. If Unit or CA/Agreement, Name and/or in SUBMIT IN TRIPLICATE - Other instructions on reverse side 1. Type of Well 1. Type of Well 2. Name of Operator 3. API Well No. BEPCO, L.P. 3. If Unit or CA/Agreement, Name and/or in the poker Lake Unit 8. Well Name and No. Poker Lake Unit # 91 9. API Well No. 30-015-29509	10.
SUBMIT IN TRIPLICATE - Other instructions on reverse side Poker Lake Unit Type of Well Other Other Name of Operator BEPCO, L.P. SUBMIT IN TRIPLICATE - Other instructions on reverse side Poker Lake Unit # 91 8. Well Name and No. Poker Lake Unit # 91 9. API Well No. 30-015-29509	VO.
1. Type of Well 8. Well Name and No.	
☑ Oil Well ☐ Gas Well Other Poker Lake Unit # 91 2. Name of Operator 9. API Well No. BEPCO, L.P. 30-015-29509	
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BEPCO, L.P. 30-015-29509	
~	
P.O. Box 2760 Midland, Texas 79702-2760 (432) 683-2277 Corral Canyon (Delaw	are) NE
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)	
360' FNL & 330' FWL, SEC. 12, T23S, R30E Lat. 32.15' Long103.84137 Eddy County, New Mex	со
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
TYPE OF SUBMISSION TYPE OF ACTION	
☑ Notice of Itent	Off
☐ Alter Casing ☐ Fracture Treat ☐ Reclamation ☐ Well Integrity	
☐ Subsequent Report ☐ Casing Repair ☐ New Construction ☐ Recomplete ☐ Other	
Change Plans 🗓 Plug and Abandon 🔲 Temporarily Abandon	
☐ Final Abandonmment ☐ Convert to Injection ☐ Plug Back ☐ Water Disposal	
If the proposed is to deepen directionally or recomplete horizontally, give subsurface locations measured and true vertical depths of all pertinent markers and 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 da following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operat determined that the site is ready for final inspection.) MIRU PU. RIH & Tag TOC @ 6504'. Circulate well w/ 10# ppg salt gel mud. POH Free point 5-1/2" 15.5# csg. RIH and cut csg. at free point, +/- 4,100'. POH and lay down csg. Spot 50 sxs Class "C" cement. 4,050' to 4,150'. WOC & Tag. Spot 50 sxs Class "C" cement. 3,900' to 4,050'. WOC & Tag. Free point 8-5/8" 32# csg. RIH and cut csg. at free point, +/- 1,100'. POH and lay down csg. Spot 100 sxs Class "C" cement. 1,034' to 1,150'. WOC & Tag.	ys once or has
Spot 50 sxs Class "C" cement. 0' to 100'. Surface Plug. Install P & A marker, backfill around wellhead. Clean location. Rip and seed location. BEPCO will use steel pits and haul fluids each day. SEE ATTACHED FOR CONDITIONS OF APPROVAL	
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Install P & A marker, backfill around wellhead. Clean location. Rip and seed location. BEPCO will use steel pits and haul fluids each day. SEE ATTACHED FOR CONDITIONS OF APPROVAL 14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Ann Moore Signature Date March 13, 2007 APPROVAL	/ED
Install P & A marker, backfill around wellhead. Clean location. Rip and seed location. BEPCO will use steel pits and haul fluids each day. SEE ATTACHED FOR CONDITIONS OF APPROVAL 14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Ann Moore Signature Date March 13, 2007 THIS SPACE FOR FEDERAL OR STATE OFFICE USE Approved by I title I Date	
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fraudulent statements or representations as to any matter within its jurisdiction. (Instructions on reverse)

PLUG AND ABANDON WELLBORE

 LEASE:
 POKER LAKE UNIT
 WELL #:
 91 -- TA'D (3/15/2001)

 FIELD:
 NE CORRAL CANYON (DELAWARE) FIELD

 LOCATION:
 360' FNL & 330' FWL, SEC 12, T25S, R30E

 COUNTY:
 EDDY

 ST: NM
 API:

 30-015-29509

KB: 3372.5'
GL: 3355.7'
SPUD DATE: 6/1/1997
COMP DATE: 7/4/1997

SURFACE CASING

SIZE: 11-3/4" 42# WC-40 STC WT/GRD: CSA: 1084 625 CLS "C" SX: CIRC: Yes 161 SXS TOC: SURF HOLE SIZE: 14-3/4" 1084'

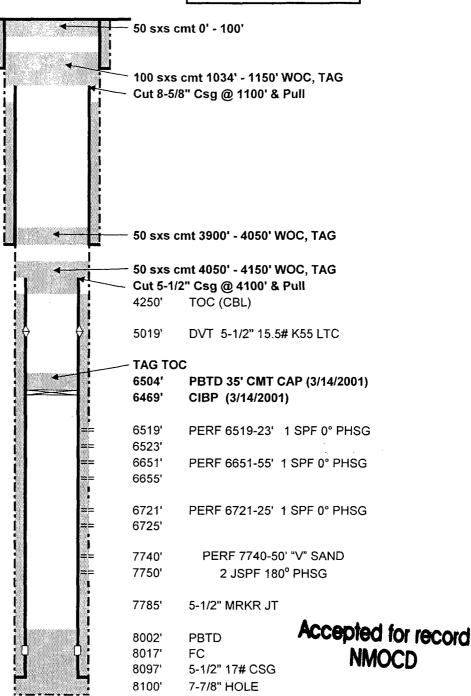
INTERMEDIATE CASING

SIZE: 8-5/8" WT/GRD: 32# WC50 LTC CSA: 4070' CLS "C" SX: 1550 CIRC: No TS TOC: 1356' HOLE SIZE: 11" 4072'

NOTE: CALIPER INDICATES AVG HOLE SIZE 14-1/4"

PRODUCTION CASING

5-1/2" SIZE: 15.5# K55 0-5019' WT/GRD: WT/GRD: 17# LS LTC 5019-8097' CSA: 8097' 440 CLS "H" SX: 300 CLS "C" SX: CIRC: No 6280' CBL TOC: 4250' CBL HOLE SIZE: 7-7/8" 8100'



PBTD: 6504' TD: 8100' LOGGER TD: 8128'

Updated: 3/9/2007 Author: WHF Engr: BJC

CURRENT WELLBORE DIAGRAM

LEASE: **POKER LAKE UNIT** WELL #: 91 -- TA'D FIELD: NE CORRAL CANYON (DELAWARE) FIELD LOCATION: 360' FNL & 330' FWL, SEC 12, T25S, R30E **COUNTY:** EDDY ST: NM API: 30-015-29509 KB: 3372.5 GL: 3355.7 SPUD DATE: 6/1/1997 COMP DATE: 7/4/1997 17' GL SURFACE CASING 0' KB 11-3/4" SIZE: WC-40 STC 42# WT/GRD: 1084' 11-3/4" 42# CSG 14-3/4" HOLE 1084' CSA: 625 CLS "C" SX: CIRC: Yes 161 SXS 1356' TOC (TS FIELD EST) TOC: Surface HOLE SIZE: 14-3/4" 1084' INTERMEDIATE CASING 2651' 5-1/2" MRKER JT 8-5/8" SIZE: 32# WT/GRD: WC50 LTC 4070' CSA: CLS "C" 1550 SX: 4070' 8-5/8" 32# CSG CIRC: No 4072' 11" HOLE (CALIPER AVG 14-1/4") TOC: 1356' TS 11" 4072' HOLE SIZE: NOTE: CALIPER INDICATES AVG HOLE SIZE 14-1/4" 4250' TOC (CBL) **PRODUCTION CASING** SIZE: 5-1/2" 5019' DVT 5-1/2" 15.5# K55 LTC WT/GRD: 15.5# K55 0-5019' WT/GRD: 17# LS LTC 5019-8097' CSA: 8097' 6504' PBTD 35' CMT CAP 440 CLS "H" SX: 6469' **CIBP** 300 CLS "C" SX: CIRC: No 6280' CBL 6519' PERF 6519-23' 1 SPF 0° PHSG 4250' TOC: **CBL** 6523' 7-7/8" 8100' HOLE SIZE: 6651' PERF 6651-55' 1 SPF 0° PHSG 6655' 6721' PERF 6721-25' 1 SPF 0° PHSG 6725' PERF 7740-50' "V" SAND 7740' 7750' 2 JSPF 180° PHSG 7785' 5-1/2" MRKR JT Accepted for record **NMOCD PBTD** 8002' 8017' 8097' 5-1/2" 17# CSG 8100' 7-7/8" HOLE

PBTD: 6504' TD: 8100' LOGGER TD: 8128'

 Updated:
 3/9/2007

 Author:
 KRA

 Engr:
 BJC

EIGHT POINT DRILLING PROGRAM BASS ENTERPRISES PRODUCTION CO.

NAME OF WELL: POKER LAKE UNIT #91

LEGAL DESCRIPTION - SURFACE: 460' FNL & 330' FWL, Section 12, T-25-S, R-30-E, Eddy County, New Mexico.

POINT 1: ESTIMATED FORMATION TOPS

(See No. 2 Below)

POINT 2: WATER, OIL, GAS AND/OR MINERAL BEARING FORMATIONS

Anticipated Formation Tops: KB 3373' (est)

GL 3356'

FORMATION	ESTIMATED TOP FROM KB	ESTIMATED SUBSEA TOP	BEARING
T/Rustler	1156′	+2217'	Barren
T/Salt	1262'	+2111'	Barren
B/Salt	3848′	- 475"	Barren
T/Lamar Lime	4051'	- 678'	Oil/Gas
T/Delaware Ramsay	4086'	- 713'	Oil/Gas
T/Lower Brushy Canyon	7637′	-4264'	Oil/Gas
T/Bone Spring Lime	7895 ′	-4522'	Oil/Gas
TD	8300'	-4927'	

POINT 3: CASING PROGRAM

TABE	INTERVALS	PURPOSE	CONDITION
20"	0' - 40'	Conductor	Contractor Discretion
11-3/4" 42# WC-40 ST&C	0' - 900'	Surface	New
8-5/8" 28# & 32# WC-50 LT&C	0' - 4060'	Intermediate	New
5-1/2" 15.5# & 17# K-55 LT&C	0' - 8300'	Production	New

POINT 4: PRESSURE CONTROL EQUIPMENT (SEE ATTACHED DIAGRAMS)

A BOP equivalent to Diagram 1 will be nippled up on the surface casing head. The BOP stack, choke, kill lines, kelly cocks, inside BOP, etc. will be hydrotested to the lowest rated working pressure of the equipment being tested. In addition to the rated working pressure test, a low pressure (200 psi) test will be required. These tests will be performed:

- a) Upon installation
- b) After any component changes
- c) Fifteen days after a previous testd) As required by well conditions

A function test to insure that the preventers are operating correctly will be performed on each trip. See the attached Diagram 1 for the minimum criteria for the choke manifold.

WELL HISTORY POKER LAKE UNIT #91 NE CORRAL CANYON (DELAWARE) FIELD

UPDATED 03/09/2007 (KRA)

LOCATION:

360' FNL & 330' FWL, SEC 12, T-25-S, R-30-E

EDDY CO, NEW MEXICO

API#:

30-015-29509

ELEV:

GL: 3355.7'

DF: 3370.5' **KB:** 3372.5'

SPUD DATE: 06/01/97

COMP DATE: 07/04/97 (RR 06/21/97)

ORIG TD:

8100'

CURRENT TD:

8100'

ORIG PBTD:

8002'

CURRENT PBTD: 6504' (CIBP 6469' 35' CMT CAP)

CASING:

DATE	SIZE	WT	GRD	CSA	SX	CLASS	тос	HOLE SIZE	HOLE DEPTH
06/02/1997	11-3/4"	42#	WC40	1084'	625	С	CIRC	14-3/4"	1084'
06/12/1997	8-5/8"	32#	WC50	4070'	1550	С	1356' (TS)	11"	4072'
06/21/1997	5-1/2"	15.5# 17#	K55 LS	5019'(DVT) 8097'	440 100 200	H POZ C C	6280' (CBL) 4230' (CBL)	7-7/8"	8100'

LINER:

DATE	SIZE	WT	GRD	CSA	SX	CLASS	TOC	HOLE SIZE	HOLE DEPTH
NONE									

OPEN HOLE:

DATE	HOLE SIZE	HOLE DEPTH

TUBING:

SEE DATA SHEET

DST:

NONE

CORES:

NONE

Accepted for record NMOCD

LOST RETURNS & SHOWS:

SHOWS: 4850'-65'

6090'-6110'

6550'-6590'

6665'-6690'

LOGS:

DATE	LOG	COMPANY	DEPTH	LOGGER'S TD
06/19/1997	PE/3D- DN/CN/GR	SCHLUMBERGER	200-8083'	8083'
06/19/1997	PE ALL/GR	SCHLUMBERGER	4066-8083'	8083'
06/19/1997	CMRI/GR	SCHLUMBERGER	7335-7400'	8083'
06/30/1997	CBL	BWWC	4000-7900'	
06/30/1997	RBL/GR/CCL		4000-7900'	

POKER LAKE UNIT #91 WELL HISTORY

DRILLING NOTES:

03-07-97 Arch Survey on location 460' FNL & 330' FWL.

03-22-97 BLM moved location 100' N & re-staked location @ 360' FNL & 330' FWL.

03-27-97 Arch Survey on location 360' FNL & 330' FWL.

SURFACE CSG: CMT 11-3/4" CSG W/ 385 SX CLS C + 4% GEL + 2% CACL $_2$ + 1/2 PPS CELLOPHANE LEAD (13.5 PPG, YLD 1.74) + 240 SX CLS C + 2% CACL $_2$ TAIL (14.8 PPG, YLD 1.32). BUMP PLUG @ 10:37 AM. CIRC 161 SX (50 BBLS) TO PIT. FLOATS HELD.

INTERMEDIATE CSG: (NOTE: FLUID CALIPER INDICATES AVG HOLE SIZE 14-1/4") CMT 8-5/8" CSG W/ 1400 SX LEAD (12.4 PPG, 2.14 YLD) + 150 SX TAIL (14.8 PPG, 1.32 YLD). BUMPED PLUG @ 7:30 PM ON 6/11/97. FLOATS HELD. DID NOT CIRC CMT TO SURFACE. TOC @ 1356' TS (FIELD EST). NOTE: BGH notified Gene Hunt w/BLM concerning lack of cmt rets. Per call w/Joe Lara & Jim Amos, will run TS & either 1" top out or perf & sqz if TOC not above 880' (200' fill inside 11-3/4" csg). NOTE: WRD spoke w/ Joe Lara w/ BLM on 6/12/97 concerning cmt top out. Top out will be deferred until well is P&A'd (perf & sqz or cut & salvage csg).

PRODUCTION CSG: CMT CSG W/ 1ST STG 440 SX + CLS H + 1.4 GPS D155 + 0.05 GPS D604 + 0.02 GPS M-45 + 3% SALT + 0.3% D13 (WT 14.0 PPG, YLD 1.66). PLUG DOWN @ 9:36 AM ON 6/21/97. DROP OPENING BOMB. <u>OPEN DVT @ 5019'</u> & CIRC. 2ND STG 100 SX 35/65 POZ C + 6% GEL + 1/4 PPS CELLOPHANE LEAD (WT 12.8, YLD 1.85) FOLLOWED BY 200 SX CLS C NEAT TAIL (WT 14.8 PPG, YLD 1.32). PLUG DOWN @ 2:25 PM ON 6/21/97. TOC 4220' (TS). **06/30/97 RAN RBL/GR/CCL FOUND TOC 6280' 1ST STG & 4250' 2ND STG**

INITIAL COMPLETION: 06/27/1997-07/03/1997

DOC 4974-5019'. DO DVT @ 5019'. RIH to **PBTD** @ **8002'**. Ran RBL-GR-CCL log from 7900-7600, 6900-6000', 5100-4700', 4300-4000'. Found TOC @ 6280'(1st stg) & 4250 (2nd Stg).

06/30/97 PERF 7740-50' "V" SAND 2 JSPF 180° PHSG. FRAC w/ 33,000 gls YF130 + 147,730# 20/40 Brady Sd + 500# 20/40 RCS. Screened out extrmly fast on RCS. Rvrs clean to PBTD @ 8002'. Set Lufkin 640 PU w/ Ajax DP-80 Gas engine. POP @ 144" SL X 8.5 SPM. Flowline to PLU #79 btry.

IP: 07/24/97 52 BOPD+52 MCFGPD+186 BWPD.

WORKOVER SUMMARY:

07/1997 CLEAN OUT & PROP-LOK

01/1998 COMPLETE 115 SZ, JRU 13 & LR "A" 03/1998 DO CIBP & COMMINGLE ALL ZONES

04/1998 SUMP PUMP 03/2001 TA WELL

CLEAN OUT SAND & PROP-LOK: 07/15/1997-07/18/1997

Tag sand fill @ 7739' FS (263' entry). POH w/tbg. CO fill to PBTD @ 8002'. Re-tag top of fill @ 7957' (45' of entry). CO to PBTD @ 8002'. Pmp 5 bbls Prop-Lok w/25 BS. POP.

COMPLETE 115 SZ, JRU 13 & LR "A"F & FRAC: 01/27/1998-01/31/1998

01/27/98 Set CIBP @ 7650'.

PERF 6519-23, 6651-55 W/1 SPF @ 0° PHSG. PERF 6721-25 W/1 SPF @ 0° PHSG. Frac 6519-6725 w/28,000 gls. SFG 2500 + 101,000# 16/30 Brady sd + 53,000# 12/20 RCS. POP. AWO: 2/8/98 55 BO, 274 BW, 56 MCFG.

DO CIBP @ 7650' & COMMINGLE ALL ZONES: 03/17/1998-03/20/1998

Tag top of fill @ 6760'(35' below bottom perf) w/575' of entry since 1/31/97. **DO CIBP** @ 7650'. CO to PBTD @ 8015' (ORIGINAL PBTD 8002' – POSSIBLE FILL TO 8015'). RIH w/tbg. rods, & pump. Place well on prod.

AWO: 3/25/98 22 BO, 168 BW, 17 MCFG.

POKER LAKE UNIT #91 ' WELL HISTORY

SUMP PUMP: 04/21/1998

04/21/98 Sump Pump. Tag sand @ 8058' (15' entry since 03/26/98-190' below btm perf). POH

w/rods, pump, tbg. RIH w/tbg, SN @ 7844'. POP.

TA WELL: 03/12/2001-03/15/2001

POH & LD prod equip. Set CIBP @ 6469'. Dump 35' cmt on CIBP. RIH w/2-7/8" API SN w/ collar on end of 202 jts 2-7/8" tbg. Circ pkr fluid. Pressure csg to 500# & perform

MIT f/ 30 mins--OK. POH & LD prod string. WELL TA'D 3-15-01.

FAILURE & DATA SUMMARY

08/12/1997 SI, waiting on heater treater.

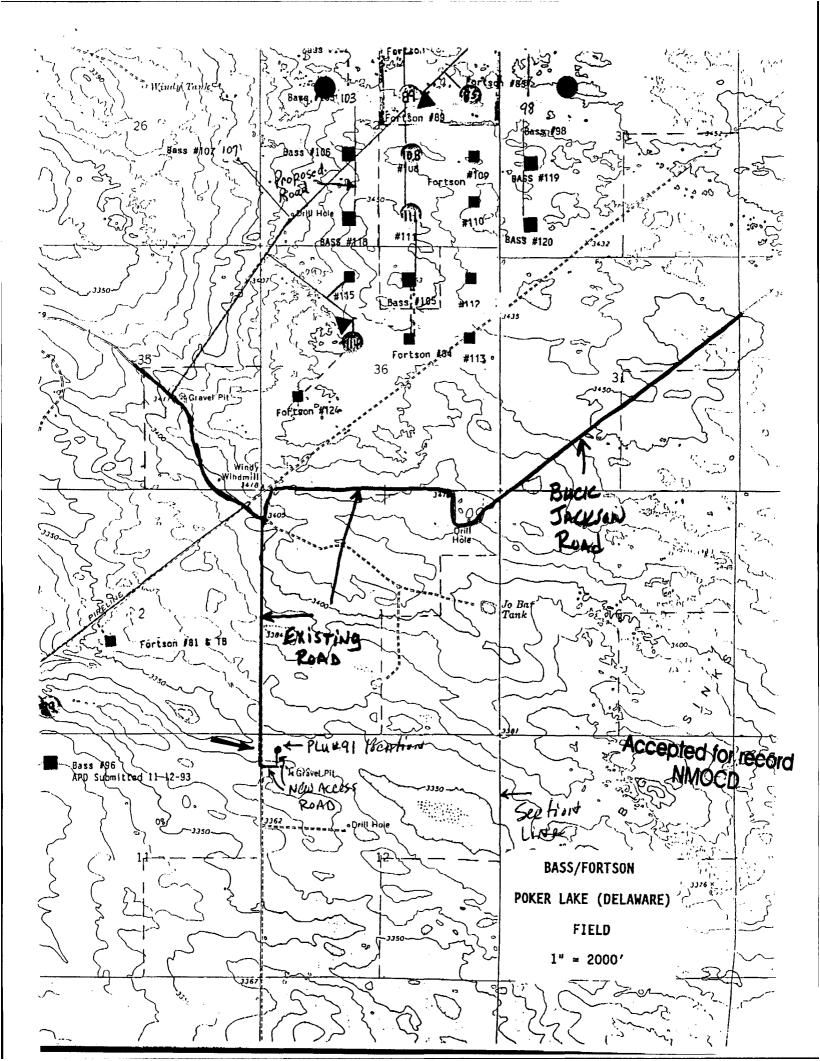
10/04/1997 Finish btry modifications, return to production.

04/15/1998 Pump change, tag sand @ 8010'.

03/12/1999 Tbg leak.

06/19/2002 Load csg w/5 bbls 2% KCl w/pkr fluid. Pressure csg 580# w/chart recorder--OK.





POKER LAKE UNIT #91 DRILLING PROGNOSIS

WELL SUMMARY

The proposed Poker Lake Unit #91 is located 360' FNL and 330' FWL of Section 12, T-25-S, R-30-E, Eddy County, New Mexico. This will be a 8100' wildcat well, which when completed will be assigned to the Corral Canyon (Delaware), NE Field. This well offsets the 16,635' wildcat Richardson & Bass Harrison Federal #1 drilled in 1953. The primary objectives will be the Lower Brushy Canyon Sands, Livingston Ridge, #103 Show Zone, and Lower Cherry Canyon Pay.

The Poker Lake Unit #91 will be drilled on a footage basis by Lakota Rig #5. The terms and conditions of the drilling operations are outlined by the Master Drilling Contract and Bid Sheet and Drilling Order executed by Bass and Lakota Drilling Co. on March 24, 1997.

DIRECTIONS

From Carlsbad, New Mexico, go 8 miles south on Highway 285 to Highway 31. Go 7 miles to Highway 128, turn east on Highway 128, go 19 miles and turn south between mile markers 19 and 20 on Buck Jackson (County Road #786). Go 8.4 miles to intersection of Twin Well Roads. Turn left at windmill and go 1 mile. Turn left to location.

ANTICIPATED FORMATION TOPS

Estimated Kelly Bushing Elevation: 3372'
Actual Ground Level Elevation before construction: 3356'

Note: The ground level, derrick floor, and KB will be re-surveyed once surface casing is set.

<u>Formation</u>	Estimated Subsea Tops (FT)	Estimated M.D. Tops from KB (FT)
T/Rustler	+ 2217'	1155'
T/Salt	+ 2111'	1261'
B/Salt	- 475'	3847'
T/Lamar Lime	- 678'	4050'
T/ Ramsey Sand	- 713'	4085'
T/Cherry Canyon Pay	- 2770'	6142'
T/#103 Show Zone	- 3063'	6435'
T/Livingston Ridge Pay	- 3228'	6600'
T/Lower Brushy Canyon	- 4264'	7636'
T/Bone Spring Lime	- 4522'	7894'
TD	- 4728'	8100'

CONDUCTOR

Conductor pipe will consist of \pm 40' of 16" casing cemented with ready-mix. The drilling contractor is responsible for setting the conductor as well as drilling the rat hole and mouse hole.

Poker Lake Unit #91 BEPCO, LP March 19, 2007 Plug and Abandon Procedure

Step after tagging plug at 6504 feet. A 100 foot plug (minimum 25 sack plug) is required across the DVT at 5019 feet with the plug being 50 feet below and 50 feet above the DVT.

The plug at 4050-4150 feet will also serve as the top of Delaware plug. This plug could be extended to cover the casing shoe since the requirement is 50 feet below and 50 feet above the casing shoe.

Plugs required at Base of Salt and Top of Salt. Plugs are to be a minimum of 100 feet in length and 25 sacks. Both plugs to be tagged.

Base of Salt plug at approximately 3848 feet.

Top of Salt plug at approximately 1262 feet. It will be necessary to perforate and squeeze the plug at this depth due to top of cement at 1356 feet.

WWI 031907

BUREAU OF LAND MANAGEMENT Carlsbad Field Office 620 East Greene Street Carlsbad, New Mexico 88220 505-234-5972

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 <u>ninety (90)</u> 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. <u>Notification:</u> 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 505-627-0272; Eddy County, call 505-234-5972; Lea County, call 505-393-3612.
- 3. <u>Blowout Preventers</u>: 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. <u>Mud Requirement:</u> 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. <u>Cement Requirement</u>: 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 50 feet 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 class "C", for up to 7,500 feet of depth, mixed at 14.8 lbs/gal with 6.3 gallons of fresh water per sack or class "H", for deeper than 7,500 feet plugs, mixed at 16.4 lbs/gal with 4.3 gallons of fresh water per sack.

- 6. <u>Dry Hole Marker</u>: 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. <u>Subsequent Plugging Reporting:</u> 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. <u>Trash:</u> 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.