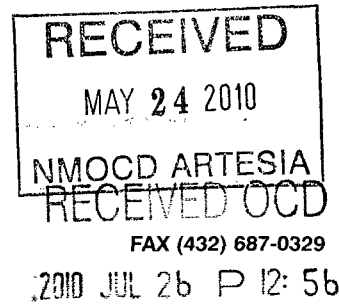


**BOPCO, L. P.**  
6 DESTA DRIVE, SUITE 3700 (79705)  
P. O. BOX 2760  
MIDLAND, TEXAS 79702

(432) 683-2277



May 18, 2010

Oil Conservation Division  
Attention: William Jones  
1220 S. St. Francis  
Santa Fe, New Mexico 87505

Re: Secondary Recovery Injection Applications  
Poker Lake Unit #150 (30-015-31538)  
Poker Lake Unit #151 (30-015-31595)  
Poker Lake Unit #162 (30-015-35522)  
Poker Lake Unit #166 (30-015-31695)  
Eddy County, New Mexico  
File: 100-WFPLUWTRFLOOD APP

Mr. Jones:

Please find enclosed applications for authorization for Secondary Recovery to inject into a productive zone in the Poker Lake Unit. If you have need for further information please do not hesitate to contact myself, Sandra Belt ([sjbelt@basspet.com](mailto:sjbelt@basspet.com)) or Carlos Cruz, Division Production Superintendent ([ccruz@basspet.com](mailto:ccruz@basspet.com)).

Sincerely,

Sandra Belt  
Sr. Regulatory Clerk

Sjb  
Attachments

DATE IN:	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.
----------	----------	----------	-----------	------	---------

ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
**- Engineering Bureau -**  
 1220 South St. Francis Drive, Santa Fe, NM 87505



**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS  
 WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

**[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]**  
**[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]**  
**[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]**  
**[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]**  
**[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]**  
**[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]**

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication  
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement  
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
☒ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify \_\_\_\_\_

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☒ Offset Operators, Leaseholders or Surface Owner
- [C] ☒ Application is One Which Requires Published Legal Notice
- [D] ☒ Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

**Note:** Statement must be completed by an individual with managerial and/or supervisory capacity.

Sandra J. Belt      Sandra J. Belt      Sr. Regulatory Clerk      5-18-10  
 Print or Type Name      Signature      Title      Date

sjbelt@basspet.com  
 e-mail Address

**BOPCO, L. P.**  
6 DESTA DRIVE, SUITE 3700 (79705)  
P. O. BOX 2760  
MIDLAND, TEXAS 79702

(432) 683-2277

FAX (432) 687-0329

May 18, 2010

Re: Notice of Application to Dispose  
Poker Lake Unit #150  
30-015-31538  
Eddy County, New Mexico  
File: 100-WRPLU150C108

Oil Conservation Division  
Attention: William Jones  
1220 S. St. Francis  
Santa Fe, New Mexico 87505

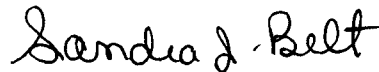
Mr. Jones:

Enclosed please find BOPCO, L.P.'s application for authorization for Secondary Recovery to inject into a productive zone in the Poker Lake Unit #150, located in Sec. 6, T24S, R30E, Eddy County, New Mexico. It is our intention to convert the subject well and perforate the Delaware zone as shown on the attached wellbore sketch.

The subject well is on Federal land and a complete copy of the application has been sent to the BLM's Carlsbad office via Certified Mail. Please find a copy of the notice attached. I will provide a copy of the signed receipt card when it returns.

If additional information is required, please contact Sandra Belt at the letterhead address, phone number or via email at [sjbelt@basspet.com](mailto:sjbelt@basspet.com).

Sincerely,



Sandra Belt  
Sr. Regulatory Clerk

Sjb  
Attachments

## APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE : X Secondary Recovery \_\_\_\_\_ Pressure Maintenance \_\_\_\_\_ Disposal \_\_\_\_\_ Storage \_\_\_\_\_  
Application qualifies for administrative approval? \_\_\_\_\_ Yes \_\_\_\_\_ No
- II. OPERATOR: BOPCO, L.P.
- ADDRESS : P O Box 2760 Midland Tx 79702
- CONTACT PARTY : Sandra J. Belt ext. 149 PHONE : (432)683-2277
- III. WELL DATA: Complete the data required on the reverse side of this form for each well processed for injection.  
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? \_\_\_\_\_ Yes X No  
If yes, give the Division order number authorizing the project \_\_\_\_\_
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
  2. Whether the system is open or closed;
  3. Proposed average and maximum injection pressure;
  4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
  5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- \*VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- \*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted.)
- \*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the 'Proof of Notice' section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: Sandra J. Belt ext. 149 TITLE: Sr. Regulatory Clerk
- SIGNATURE: Sandra J. Belt DATE: 05/18/2010
- E-MAIL ADDRESS: sjbelt@basspet.com
- \* If the information required under Sections VI, VII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstance of the earlier submittal: \_\_\_\_\_

**DISTRIBUTION:** Original and one copy to Santa Fe with one copy to the appropriate District Office

### III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

### XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, NM 87505 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

---

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

### III. Well Data

#### A. 1) Lease name:

Poker Lake Unit

Well #:

150 30-015-31538

Section:

6

Township:

24S

Range:

30E

Footage:

760' FNL 330; FEL

#### 2) Casing Info:

Casing size	Set depth	Sacks cmt	Hole size	TOC	Method
8-5/8" 24# WC-50 STC/J55	600'	205	11"	Surface	Circulated
5-1/2" 15.5# J-55; 17# L-80	7,549	725	7-7/8"	3673'	TS

#### 3) Tubing to be used (size, lining material, setting depth):

2-7/8" 6.5# J-55 Seal Tite IPC tbg set @ 7050'.

#### 4) Name, model, and depth of packer to be used:

5-1/2" Lokset Nickel Plated EXT/INT PC Pkr set @ 7050'.

#### B.

#### 1) Name of the injection formation and, if applicable, the field or pool name:

Nash Draw (Delaware)/BS/Avalon Sand (Delaware) Formation

#### 2) The injection interval and whether it is perforated or open hole:

Interval 7082 - 7294'; Perforated

#### 3) State if the well was drilled for injection or, if not, the original purpose of the well:

Drill & complete as an oil well in the (Delaware formation), Nash Draw (Delaware)/BS/Avalon Sand Pool

#### 4) Give the depths of any other perforated intervals and detail on the sacks of cement or BPs used to seal off such perforations:

BP @ 7200' will be removed to open up existing perfs at 7255-7265'.

#### 5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any:

Higher: None

Lower: Bone Spring @ 7350'

# C-108 DATA

- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

Well	Nan No.	API	Operator	Type	Location	Construction				Spud Date	Comp Date	TD	Perforations	Stimulation
						Surface Casing	Intermediate Casing	Production Casing	Tubing					

SEE PAGE 3

- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected: **2,000 average, 2,500 maximum BWPD**
  2. Whether the system is open or closed: **closed**
  3. Proposed average and maximum injection pressure: **1416 psi average, 1416 psi maximum**
  4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water: **Water will be produced from same reservoir (Delaware).**
  5. If injection is for disposal purposes into a zone not productive of oil & gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water: **NA**

- VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with TDS of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval:
- Lithologic De Sand, Shale**  
**Geological Ne Delaware Mountain Group**  
**Thickness: 3,747**  
**Depth: 3602 - 7349'**

**The Rustler Formation is a known source of fresh water throughout this geographic area. Average depth of Rustler is 279 - 523. No sources of fresh water are known to exist below the proposed disposal zone.**

- IX. Describe the proposed stimulation program, if any:  
**The perts will be perforated and acidized with approximately 50 gallons 7-1/2% NEFE HCl per foot.**

- X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted.)  
**Logs previously submitted.**

- XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.  
**There are no water wells within 1 mile of this well.**

- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrology connection between the disposal zone and any underground sources of drinking water.  
**Applicant hereby affirms that he has examined the available geologic and engineering data and finds no evidence of open faults, or other hydrologic connection between the disposal zone and any underground source of drinking water.**

C-108 DATA

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

			Construction											
Well Name	No.	API	Operator	Type	Location	Surface Casing	Intermediate Casing	Production Casing	Tubing	Spud Date	Comp Date	TD	Perforations	Stimulation
PLU	146	30-015-31007	BOPCO, LP	Producer	660' FSL & 810' FEL, Sec 31, T2AS, R30E	8-5/8" @ 535' CTS, C/220 sx	NA	5-1/2" @ 7400', C/665 sx, TS 3165	2-7/8" @ 7028'	4/12/2000	5/13/2000	7400'	5910'-7215'	500 gals 15% HCl acid w/ additives; frac w/ 56,195 gal Viking 30 + 204,226# 16/30 Brady + 46,596# CR-4000
PLU	149	30-015-31416	BOPCO, LP	Producer	600' FSL & 2310' FEL, Sec. 31; T2AS, R30E	8-5/8" @ 520' TOC @ Surf w/275 sxs	NA	5-1/2" @ 7350' TOC @ 3400' calc. w/1,020 sxs	2-7/8" @ 7212'	12/15/2000	1/11/2001	7350'	7205'-17210'	130 lbs/bs 2%KCl; Frac w/60,922 gals Viking-30 & 180,000# 16/30 Brady+60,000# CR-4000
PLU	151	30-015-31595	BOPCO, LP	Producer	510' FNL & 1980' FEL, Sec 6, T2AS, R30E	8-5/8" @ 575' CTS, C/195 sx	NA	5-1/2" @ 7430', C/650 sx, TOC 3100'	2-7/8" @ 7103'	4/20/2001	7/5/2001	7430'	7226'-7236'	750 gals 7-1/2% HCl acid; frac w/ 68,069 gals Viking 30 + 190,458 BS
PLU	152	30-015-31415	BOPCO, LP	Producer	1980' FNL & 660' FEL, Sec 6, T2AS, R30E	8-5/8" @ 616' CTS, C/555 sx	NA	5-1/2" @ 7450', C/620 sx, TOC 3473 TS	2-7/8" @ 7252'	5/5/2001	6/13/2001	7450'	7238'-7248'	Frac w/ 56,000 gal Viking 30 + 175,620 BS + 62,165 CR-4000
PLU	153	30-015-31412	BOPCO, LP	Producer	1830' FNL & 1980' FEL, Sec 6, T2AS, R30E	16" @ 625' CTS, C/180 sx	10-3/4" @ 3578' CTS, C/2050 sx	7-5/8" @ 11,450', C/1650 sx, TOC 8193'; 5-1/2" @ 14,513', C/350 sx, TOC 11,127'	2-7/8" @ 14,135'	12/7/2000	4/12/2001	14,515'	12,848'-14,216'	2000 gal 10% HCl, 7500 gal 7-1/2% HCl & 2200 gal 15% Fercheck
PLU	154	30-015-31686	BOPCO, LP	Producer	660' FEL & 1980' FSL, Sec 6, T2AS, R30E	8-5/8" @ 575' CTS, C/330 sx	NA	5-1/2" @ 6102', 205 sx, TOC 6100'; 3-1/2" @ 6415', 40 sx; 5-1/2" @ 7440', 400 sx, TOC 3465' TS	2-7/8" @ 7038'	6/4/2001	7/10/2001	7440'	7250'-7260'	55,800 gal Viking 30 + 174,300 16/30 BS 60,000 16/30 CR-4000
PLU	155	30-015-31687	BOPCO, LP	Producer	1980' FSL & 1980' FEL, Sec 6, T24W, R30E	8-5/8" @ 572' CTS, C/340 sx	NA	5-1/2" @ 7502', 600 sx, TOC 2977 TS	2-7/8" @ 7029'	6/19/2001	7/26/2001	7510'	6077'-7202'	Frac w/ 55,300 gal Viking 30 + 184,000# 16/30 Brady + 60,000# CR-4000; 31,553 gals B/Frac 30# gel fluid & 58,896# 16/30 Ottawa & 21,077# 16/30 Super LC
PLU	161	30-015-31318	BOPCO, LP	Producer	660' FSL & 2310' FEL, Sec. 31, T23S, R30E	8-5/8" @ 518' w/290 sxs; TOC @ Surf	NA	5-1/2" @ 7370' w/1,082 sxs; TOC @ 3538; TS	2-7/8" @ 5,887'	9/22/2001	10/12/2001	7374'	7166'-7176'	7-1/2% NEE HCl, BD perts @ 1110#, 300kg lightning 2500+2K# 17/50 Lieprop+69# 16/30 Ottawa = 24# 16/30 CR-4000
PLU	162	30-015-35522	BOPCO, LP	Producer	660' FNL 1655' FNL, Sec. 6, T2AS, R30E	8-5/8" @ 680' w/680 sxs; TOC @ Surf	NA	5-1/2" @ 7407', 1,790 sxs, TOC @ Surface	2-7/8" @ 7360'	3/6/2008	4/28/2008	7410'	6030'-7345'	500 gals 7-1/2% NEFE HCl from 7345-6845'; 500 gals 7-1/2% NEFE HCl acid from 7324-7345
PLU	163Q	30-015-34183	BOPCO, LP	Producer	1980' FNL & 2360' FNL, Sec 6, T2AS, R30E	8-5/8" @ 800' CTS, C/525 sx, TOC @ Surf	NA	5-1/2" @ 7534', 1095 sxs, TOC 3010' (TS)	2-7/8" @ 7404'	3/4/2006	4/20/2006	7535'	6742'-7385'	Frac w/ 28,874 gal Lightning 2500 x-linked gel, 62,102# 16/30 Ottawa & 19,315 16/30 Super LC; 123,119 gal PW + 10,012# 14/30 Lie Prop; 122,839 gal PW + 9,966# 14/30 Lie Prop
PLU	165	30-015-31334	BOPCO, LP	Producer	560' FSL & 330' FNL, Sec. 32, T23S, R30E	8-5/8" @ 562' w/300 sxs; TOC @ Surf	NA	5-1/2" @ 7550' w/790 sxs, TOC @ 3425 (TS)	2-7/8" @ 7289'	3/22/2001	4/13/2001	7550'	7258'-7268'	500 gals 15% HCl acid; Frac w/ 71,151 gals Viking 30+201,400# 16/30 Brady sd, 65,882 16/30 CR-4000
PLU	166	30-015-31695	BOPCO, LP	Producer	660' FNL & 660' FNL, Sec 5, T24S, R30E	8-5/8" @ 575' CTS, C/325 sx	NA	5-1/2" @ 7462', C/630 sx, TOC 3879 TS	2-7/8" @ 7090'	5/21/2001	6/21/2001	7465'	7280'-7290'	Frac w/ 52,000 gal V-30 + 165,000# BS + 60,000 CR-4000
PLU	167	30-015-31696	BOPCO, LP	Producer	1980' FNL & 660' FNL, Sec 5, T24S, R30E	8-5/8" @ 460' CTS, C/305 sx	NA	5-1/2" @ 7453', 750 sx, TOC 3378 TS	2-7/8" @ 6613'	4/10/2003	5/21/2003	7460'	6810'-7290'	Frac w/ 64,069 gal V-30 + 175,882# Ottawa Sand + 82,796 16/30 CR-4000 & frac w/ 18,571 gal V-30 + 45,175# Ottawa + 16,520# 16/30 CR-4000
PLU	164	30-015-31990	BOPCO, LP	Producer	1700' FNL & 1650' FEL, Sec 6, T-24S, R30E	8-5/8" @ 827' w/550 sxs, TOC @ Surf	NA	5-1/2" @ 7470' w/700 sxs, TOC @ 3365 (TS)	2-7/8" @ 7314'	2/15/2003	3/13/2003	7470'	7256'-7266'	750 gals 7-1/2% DBL inhibitor NEFE HCl; Frac w/100,64g Viking 3000, 274,44# 16/30 Ottawa Sand 754# 16/30 CR-4000



**LEASE:** POKER LAKE UNIT **WELL #:** 150  
**FIELD:** NASH DRAW DELAWARE  
**LOCATION:** 760' FNL & 810 FEL, SEC 6, T24S, R30E  
**COUNTY:** EDDY **ST:** NM **API:** 30-015-31538

**PROPOSED**

**KB:** 3279'  
**GL:** 3265'  
**SPUD DATE:** 4/8/2001  
**COMP DATE:** 5/1/2001

**SURFACE CASING**

SIZE: 8-5/8"  
 WT/GRD: 24# WC50 0-516'  
 WT/GRD: 24# J55 516-600'  
 CSA: 600'  
 SX: 205 PERM/PREM+  
 CIRC: Y  
 TOC: SURF  
 HOLE SIZE: 11" 600'

**PRODUCTION CASING**

SIZE: 5-1/2"  
 WT/GRD: 15.5# J55 0-6263'  
 WT/GRD: 17# L80 6263-7549'  
 CSA: 7,549  
 SX: 725 PREM+  
 CIRC: Y  
 TOC: 3673' TS  
 HOLE SIZE: 7-7/8" 600-7550'

**TUBING DATA**

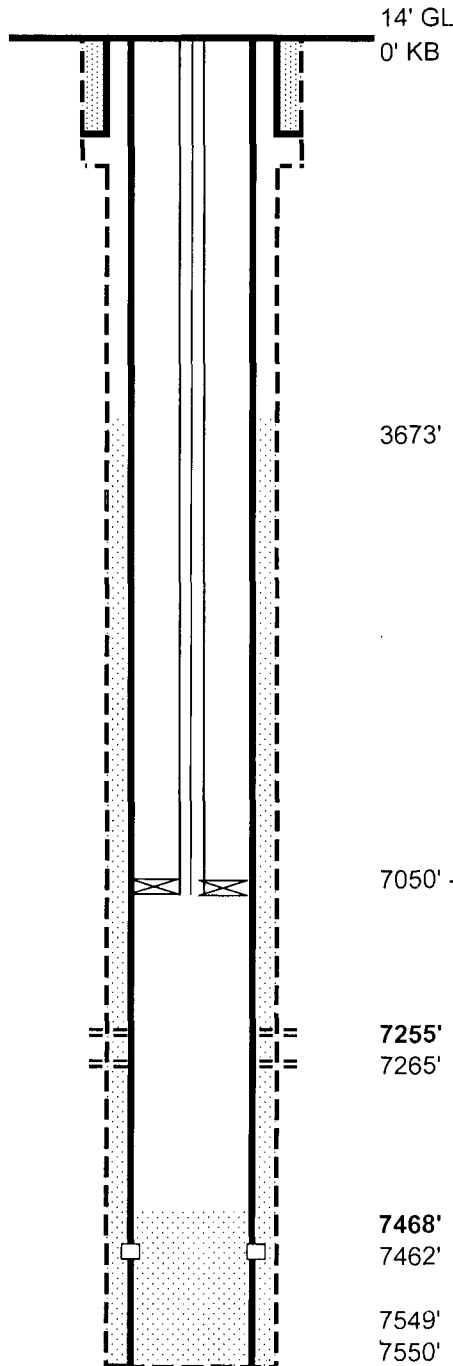
2-7/8" J-55 Seal Tite IPC tbgr set @ 7050'

5-1/2" Lokset Nickel Plated EXT/INT PC

Pkr set @ 7050'

**PERFORATION DATA**

04/01 PERF LBC 7255-65' F:52.3kg Viking  
 30+166k# 16/30 Brady sd+55k# 16/30 RCS.



14' GL  
0' KB

3673' TOC (TS)

7050' - EOT & Packer

7255'  
7265'

**INJ PERFS 7255-65' LBC**  
 20 SHOTS

7468' **PBTD (TAGGED)**  
 7462' FC  
 7549' 5-1/2" 17# L80 CSG  
 7550' 7-7/8" HOLE

**PBTD:** 7468'  
**TD:** 7550'

Updated: 4/21/2010  
 Author: crm  
 Engr: CCC



Downhole Profile - Vertical Wells

Well ID: 30-015-31538

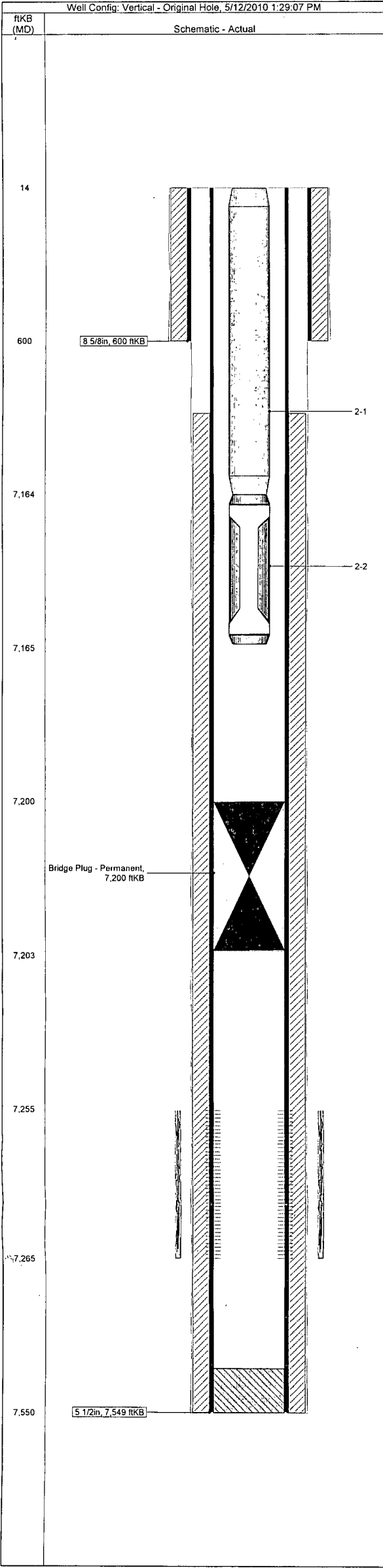
Field: Nash Draw - Delaware

BOPCO, L.P. - West Texas

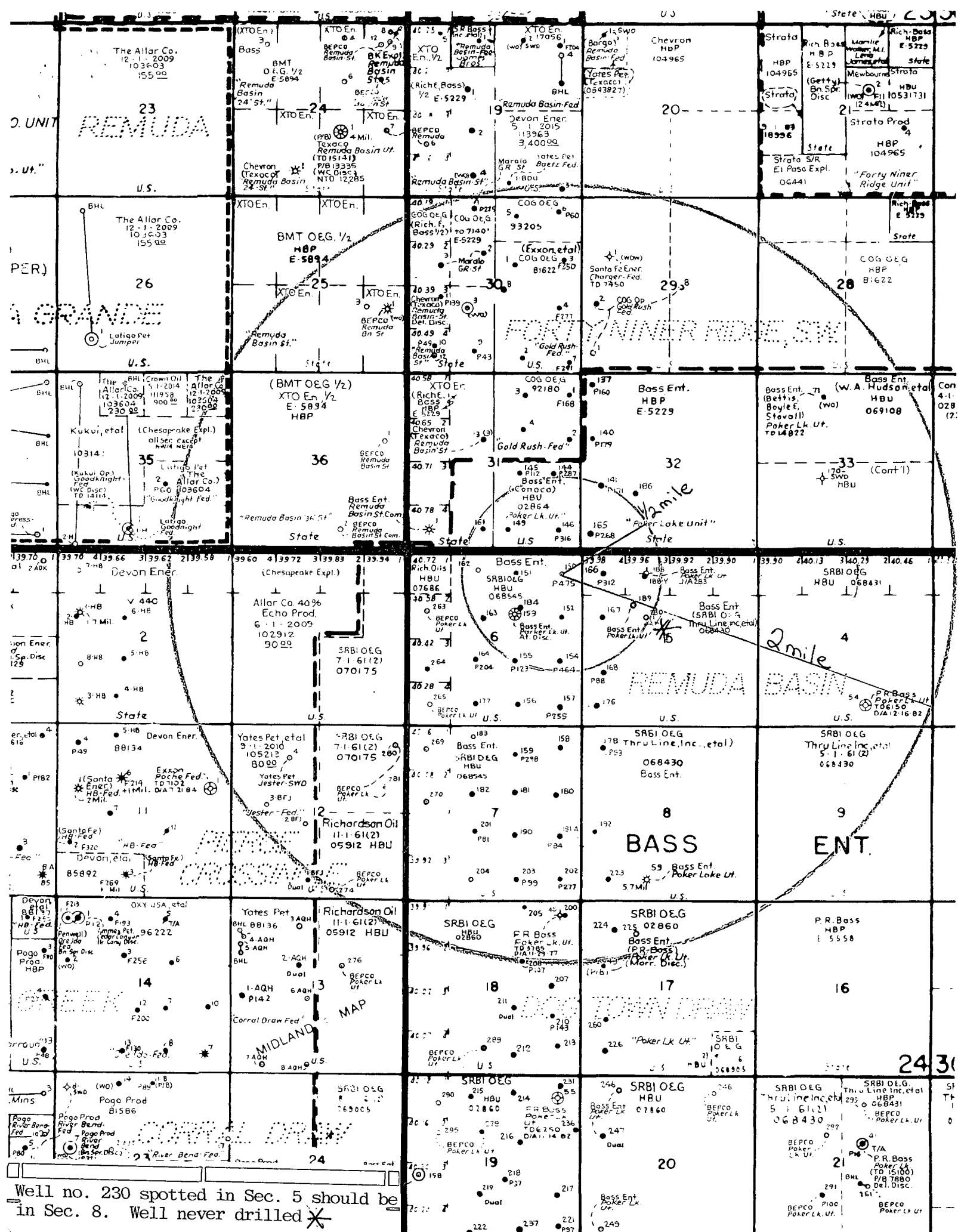
Well Name: Poker Lake Unit #150

Sect: 6 Town: 24S Rng: 30E County: Eddy State: New Mexico

Surface Location: 760' FNL & 810' FEL



Well Information							
Original KB Elevation (ft)	Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	On Production Date			
3,279.00	3,265.00	14.00	4/8/2001	5/4/2001			
Wellbores							
Wellbore Name: Original Hole			Kick Off Depth (ftKB):				
Size (in)		Act Top (ftKB)		Act Btm (ftKB)			
11		14.0		600.0			
7 7/8		600.0		7,550.0			
Casing Strings							
Casing Description	Wellbore	OD (in)	Wt (lbs/ft)	Grade	Top Thread	Set @ (ftKB)	
Surface	Original Hole	8 5/8	24.00	J-55		600.0	
Production	Original Hole	5 1/2	15.50	J-55		7,549.0	
Perforations							
Perf Date	Top (ftKB)	Btm (ftKB)	Zone		Current Status		
4/25/2001	7,255.0	7,265.0	Lower Brushy Canyon, Original Hole		Open - TA (7255 - 7265)		
Tubing Strings							
Tubing Description		Run Date	String Length (ft)		Set Depth (ftKB)		
Tubing - Production		3/26/2010	7,151.00		7,165.0		
No.	Item Description		Jts	OD (in)	Wt (lbs/ft)	Grade	Top (ftKB)
2-1	2-7/8" 6.5 ppf J-55 8RD Tubing		225	2 7/8	6.50	J-55	14.00
2-2	2 7/8" Mechanical Seating Nipple		1	2 7/8			7,164.00
Other Downhole Equipment							
Run Date	Description		OD (in)	Top (ftKB)		Btm (ftKB)	
3/26/2010	Bridge Plug - Permanent		4.9	7,200.0		7,203.0	
Cement							
Surface Casing Cement, 4/8/2001							
String: Surface, 600.0ftKB			Cement Evaluation Results:				
Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Cmnt Rtrn (bbl)	Top Measurement Method			
1	14.0	600.0	10.0	Volume Calculations			
Fluid		Amount (sacks)	Class	Density (lb/gal)		Yield (ft³/sack)	
Lead		100		12.80		1.87	
Tail		105		14.80		1.35	
Production Casing Cement, 4/19/2001							
String: Production, 7,549.0ftKB			Cement Evaluation Results:				
Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Cmnt Rtrn (bbl)	Top Measurement Method			
1	3,673.0	7,550.0	0.0	Volume Calculations			
Fluid		Amount (sacks)	Class	Density (lb/gal)		Yield (ft³/sack)	
Lead		725		14.50		1.39	
Cement Plug, 4/19/2001							
String: Production, 7,549.0ftKB			Cement Evaluation Results:				
Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Cmnt Rtrn (bbl)	Top Measurement Method			
1	7,468.0	7,550.0		Volume Calculations			
Fluid		Amount (sacks)	Class	Density (lb/gal)		Yield (ft³/sack)	
Cement Plug		25					



Well no. 230 spotted in Sec. 5 should be in Sec. 8. Well never drilled

FO 754

Rem. 31  
St. Com.

BEPCo.  
BEPCC

6/29/02  
LS 41484  
Term. Assign. 5/2 S.31

141  
186  
7458  
7680

E-4229  
Stipe

O175

Latiago  
5/31/09

O 266

LOT 1  
O 262

LS 4017 A  
LS 4017 B  
40 ac.  
BEPCC

LOT 2  
O 263H

LOT 3  
O 264

LOT 4  
O 265

LOT 1  
O 266

LOT 2  
O 267

LOT 3  
O 268

LOT 4  
O 269

LOT 1  
O 262

LOT 2  
O 263H

LOT 3  
O 264

LOT 4  
O 265

LOT 1  
O 266

LOT 2  
O 267

LOT 3  
O 268

LOT 4  
O 269

LOT 1  
O 262

LOT 2  
O 263H

LOT 3  
O 264

LOT 4  
O 265

LOT 1  
O 266

LOT 2  
O 267

LOT 3  
O 268

LOT 4  
O 269

LOT 1  
O 262

LOT 2  
O 263H

LOT 3  
O 264

LOT 4  
O 265

LOT 1  
O 266

LOT 2  
O 267

LOT 3  
O 268

LOT 4  
O 269

LOT 1  
O 262

LOT 2  
O 263H

LOT 3  
O 264

LOT 4  
O 265

LOT 1  
O 266

LOT 2  
O 267

LOT 3  
O 268

LOT 4  
O 269

LOT 1  
O 262

LOT 2  
O 263H

LOT 3  
O 264

LOT 4  
O 265

LOT 1  
O 266

LOT 2  
O 267

LOT 3  
O 268

LOT 4  
O 269

LOT 1  
O 262

LOT 2  
O 263H

LOT 3  
O 264

LOT 4  
O 265

LOT 1  
O 266

LOT 2  
O 267

LOT 3  
O 268

LOT 4  
O 269

LOT 1  
O 262

LOT 2  
O 263H

LOT 3  
O 264

LOT 4  
O 265

LOT 1  
O 266

LOT 2  
O 267

LOT 3  
O 268

LOT 4  
O 269

LOT 1  
O 262

LOT 2  
O 263H

LOT 3  
O 264

LOT 4  
O 265

LOT 1  
O 266

LOT 2  
O 267

LOT 3  
O 268

LOT 4  
O 269

Poker Lake Unit

ABO Pet. Corp. 32%  
Yates Drilg. Co. 32%  
Myco Ind. Inc. 32%  
Yates Pet. 4%

LS 3925  
280  
281  
7380

Chisom Vent. LP 25%  
LMBI, LP 18.75%  
SRBI, LP 18.75%  
Thruline, LP 18.75%  
Kysingrp, LP 18.75%

LS 4304  
274  
05912  
283

LS 4304  
276  
05912

LS 4304  
276  
05912

LS 4304  
276  
05912

LS 4304  
276  
05912

LS 4304  
276  
05912

O174

O175

E-4229  
Stipe

BEPCo.  
BEPCC

Rem. 31  
St. Com.

FO 754

April 24, 2010

NOTICE OF APPLI-  
CATION FOR A  
SECONDARY  
RECOVERY WELL  
PERMIT

BOPCO, L.P. has ap-  
plied to the New  
Mexico Oil Conserva-  
tion Division for a  
permit to inject pro-  
duced salt water or  
other oil and gas  
waste into a porous  
formation productive  
of oil or gas.

The applicant propos-  
es to inject produced  
water or other oil  
and gas waste into  
the Poker Lake Unit  
#150 (Delaware For-  
mation). The maxi-  
mum injection pres-  
sure will be 1416 psi  
and the maximum  
rate will be 2,500 bbls  
produced water/day.  
The proposed dispos-  
al well is located 7  
miles northeast of  
Malaga, New Mexico  
in Section 36, T24S,  
R30E, Eddy County,  
New Mexico. The  
produced salt water  
will be disposed at a  
subsurface depth of  
7,082 - 7,349'.

Any questions con-  
cerning this applica-  
tion should be direct-  
ed to Sandra Belt,  
Regulatory Clerk,  
BOPCO, L.P., P.O.  
Box 2760, Midland,  
Texas 79702-2760,  
(432) 683-2277.

Interested parties  
must file objections  
or requests for hear-  
ing with the Oil Con-  
servation Division,  
1220 S. St. Francis  
Dr., Santa Fe, New  
Mexico 87505 within  
15 days.

## Affidavit of Publication

State of New Mexico  
County of Eddy, ss.

**Kathy McCarroll**, being first duly sworn, on oath  
says:

That she is the Classified Supervisor of the  
Carlsbad Current-Argus, a newspaper published  
daily at the City of Carlsbad, in said county of  
Eddy, state of New Mexico and of general paid  
circulation in said county; that the same is a duly  
qualified newspaper under the laws of the State  
wherein legal notices and advertisements may  
be published; that the printed notice attached  
hereto was published in the regular and entire  
edition of said newspaper and not in  
supplement thereof on the date as follows, to  
wit:

April 24 \_\_\_\_\_ 2010

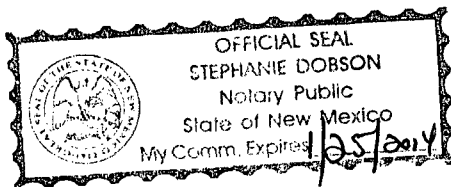
That the cost of publication is **\$57.35** and that  
payment thereof has been made and will be  
assessed as court costs.

*Kathy McCarroll*

Subscribed and sworn to before me  
this 27th day of April, 2010

*Stephanie Dobson*

My commission expires 1/25/2014  
Notary Public



RECEIVED  
APR 30 2010  
BOPCO WTD PRODUCTION



7160 3901 3846 3454 6824

US Postal Service

# **Certified Mail Receipt**

Domestic Mail Only  
No Insurance  
Coverage Provided

Postage

Certified Fee

Return Receipt Fee  
(Endorsement Required)

Restricted Delivery Fee  
(Endorsement Required)

Total Postage & Fees

\$

\$

Postmark  
Here

Sent To:

**Carlsbad Current Argus**  
**Attn: Kathy**  
**P O Box 1629**  
**Carlsbad NM 88220**

**Newspaper Ad's/Wtr.Flood**  
**PIU #'s 150,151,162 & 1**

166

4.19.10

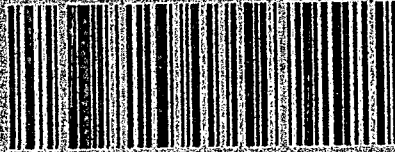
PS Form 3800, January 2005

US Postal Service

**Certified Mail Receipt**

2

2. Article Number



7160 3901 3846 3454 6824

3. Service Type **CERTIFIED MAIL**

4. Restricted Delivery? (Extra Fee)

1. Article Addressed to:

**Carlsbad Current Argus**  
**Attn: Kathy**  
**P O Box 1629**  
**Carlsbad NM 88220**



## **COMPLETE THIS SECTION ON DELIVERY**

A. Received by: (Please Print Clearly)

B. Date of Delivery

C. Signature

*[Signature]*  
D. Is delivery address different from item 1?  
If YES, enter delivery address below:

☒ Agent  
☒ Addressee

☒ Yes  
☒ No

**Newspaper Ad's/Wtr.Flood A**  
**PIU #'s 150,151,162 & 166**

4.19.10

PS Form 3811, January 2005

Domestic Return Receipt

7160 3901 9846 3454 6954

US Postal Service

**Certified  
Mail  
Receipt**

*Domestic Mail Only  
No Insurance  
Coverage Provided*

Postage

\$

Certified Fee

Return Receipt Fee  
(Endorsement Required)

Restricted Delivery Fee  
(Endorsement Required)

Total Postage & Fees

\$

Postmark  
Here

Sent To:

**Bureau of Land Management  
620 E. Greene St.  
Carlsbad NM 88220-6292**

Secondary Recovery App  
PLU 150,151,162,166  
5.18.10 C108 Pkgs

PS Form 3800, January 2005

US Postal Service

**Certified Mail Receipt**

2