

DATE IN 4/6/10	SUSPENSE	ENGINEER WJS	LOGGED IN 5/1/10	TYPE SWD 1221	APP NO. P OK 1009155250
----------------	----------	--------------	------------------	---------------	-------------------------

ABOVE THIS LINE FOR DIVISION USE ONLY

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



PLU #79  
BOPCO, L.P.

**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]**

30-015-27438

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

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

SPD 8/21/13

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.**

Print or Type Name _____	Signature _____	Title _____	Date _____
e-mail Address _____			

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

RECEIVED OCD  
(432) 688-2277

FAX (432) 687-0329

2010 APR -1 A 11:10

March 30, 2010

**Re: Notice of Application for  
Authorization to Convert to SWD  
Poker Lake Unit #79  
Eddy County, New Mexico  
File: 100-WF: PLU79.C108**

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 to Convert for disposal purposes only into the Poker Lake Unit #79, located in Section 2, T25S, R30E, Eddy County, New Mexico. It is our intention to add perforations to the Delaware as shown on the attached well-bore sketch.

The subject well is on Federal land and a complete copy of the application has been sent to the BLM's Carlsbad office and Fortson Oil Company, offset operator, via Certified Mail. Please find a copy of the notice attached. I will provide a copy of the signed receipt cards when they are returned.

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

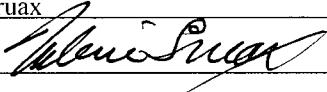
Sincerely,



Valerie Truax  
Regulatory Administrative Assistant

vlt  
Attachments

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE : \_\_\_\_\_ 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 79702-2760  
CONTACT PARTY : Valerie Truax 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 ☒ 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: Valerie Truax TITLE: Regulatory Administrative Assistant  
SIGNATURE:  DATE: 03/30/2010  
E-MAIL ADDRESS: vltruax@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: \_\_\_\_\_

### 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 #: 79  
Section: 2  
Township: 25S  
Range: 30E  
Footage: 660' FSL & 660' FWL

- 2) Casing Info:

Casing size	Set depth	Sacks cmt	Hole size	TOC	Method
13-3/8" 48# H-40 8rd csg	696'	650	17-1/2"	Surface	Circulated
8-5/8" 32# J-55 ST&C csg	3965'	2,200	12-1/4"	Surface	Circulated
5-1/2" 15.5# & 17# J-55	8003'	1,020	7-7/8"	4088'	CBL

- 3) Tubing to be used (size, lining material, setting depth):  
2-7/8" J-55 Seal Tite IPC tbg set @ 4,250'.

- 4) Name, model, and depth of packer to be used:  
5-1/2" Lokset Nickel Plated EXT/IINT PC Pkr set @ 4,250'.

- B. 1) Name of the injection formation and, if applicable, the field or pool name:  
Corral Canyon, NE (Delaware formation).

- 2) The injection interval and whether it is perforated or open hole:  
Additional Delaware perfs will be added from 4,300'-5,965' to create the overall injection interval.

- 3) State if the well was drilled for injection or, if not, the original purpose of the well:  
Drill & complete Brushy Canyon pool (Delaware formation) development well.

- 4) Give the depths of any other perforated intervals and detail on the sacks of cement or BPs used to seal off such perforations:  
The well currently has Delaware perfs located at 6080'-6086'; 6386'-6391'; 7594'-7604'; 7640'-7646'; 7658'-7666'; 7720'-7726'; 7732'-7736'; 7743'-7746'. A CIBP will be set (6000') and capped w/ 35' Class C to permanently abandon the existing lower sets of perfs.

- 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 @ 7813'

# 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 Name	No.	API	Operator	Type	Location	Surface Casing	Intermediate Casing	Production Casing	Tubing	Spud Date	Comp Date	TD	Perforations	Simulation
PLU	47	30-015-23083	BOPCO, LP	P&A	1980' FSL & 990' FEL, Sec 3, T2S, R30E	8-5/8" @ 712', C1200 sx, 200 Lite NA	NA	NA	NA	12/11/1979	NA	4160'	NA	NA
PLU	94	NA	BOPCO, LP	Not Drilled	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PLU	127	30-015-29460	BOPCO, LP	P&A	1980' FSL & 660' FWL, S2, T2S, R30E	11-3/4" @ 947', C1561 sx	8-5/8" @ 3973', C1370 sx	NA	NA	3/30/1997	4/26/1997	7992'	NA	NA

- VII. Attach data on the proposed operation, including:

- Proposed average and maximum daily rate and volume of fluids to be injected: 1,500 average, 2,500 BWPD
- Whether the system is open or closed: closed
- Proposed average and maximum injection pressure: 760 psi average, 860 psi maximum
- 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).
- 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: In the process of obtaining samples; will send results as soon as available.

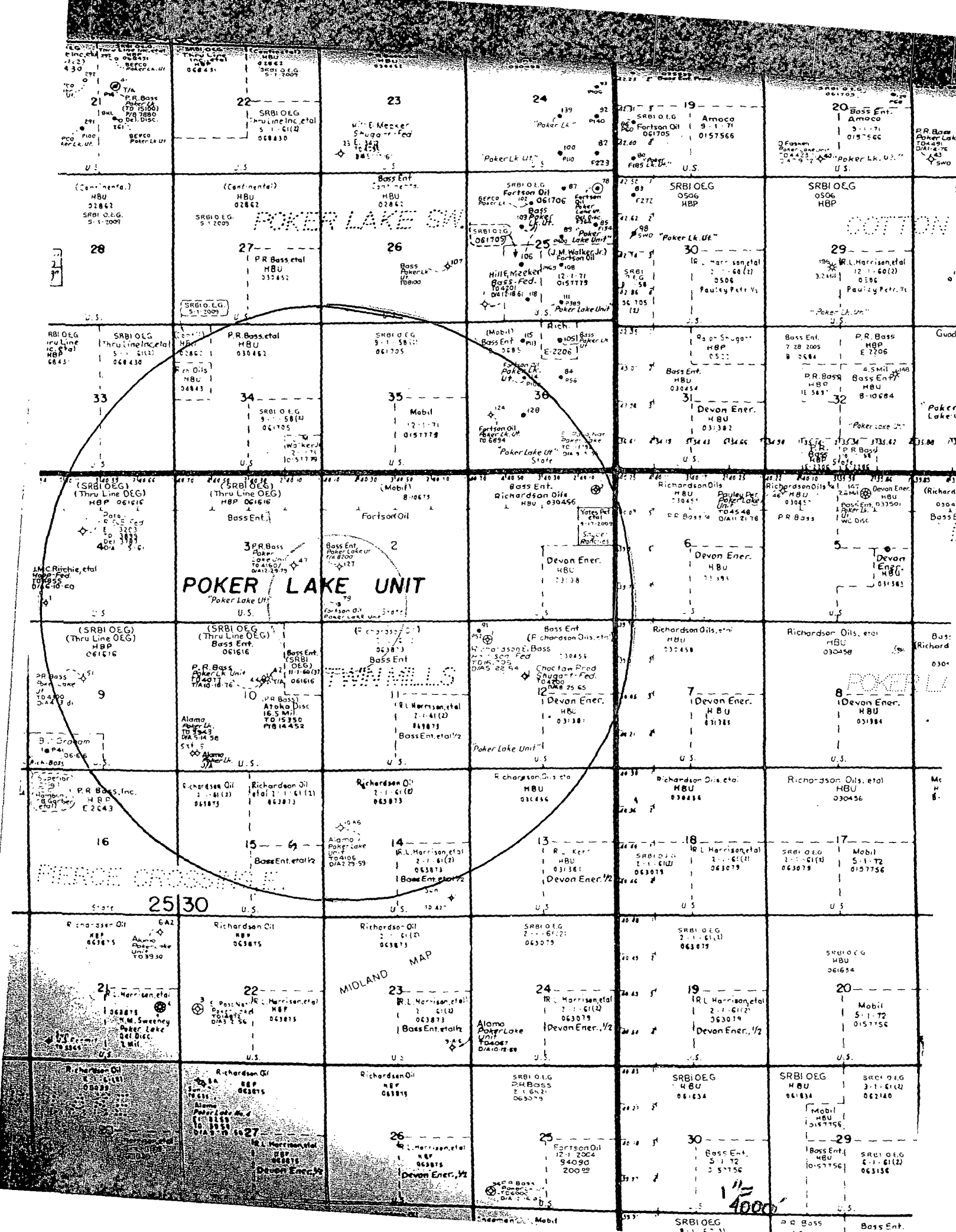
Require Convent  
or REPLUG.

- 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 Detail: Sand, Shale  
Geological Name: Delaware Mountain Group  
Thickness: 1666'  
Depth: 4300'-5965'

The Rustler Formation is a known source of fresh water throughout this geographic area. Average depth of Rustler is 938'-1255'. No sources of fresh water are known to exist below the proposed disposal zone.

- IX. Describe the proposed stimulation program, if any:  
The new perfs will be perforated and acidized with approximately 50 gallons 7-12% 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.  
No known fresh water wells within one mile of proposed 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.



## 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:

March 19 \_\_\_\_\_ 2010

That the cost of publication is **\$62.01** and that payment thereof has been made and will be assessed as court costs.

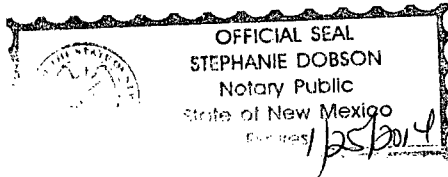
Kathy McCarroll

Subscribed and sworn to before me this

23<sup>rd</sup> day of March, 2010  
Stephanie Dobson

My commission Expires on 1/25/2014

Notary Public



March 19, 2010

### NOTICE OF APPLI- CATION FOR SALT WATER DISPOSAL WELL PERMIT

BOPCO, L.P. has ap-  
plied to the New  
Mexico Oil Conserva-  
tion Division for a  
permit to dispose of  
produced salt water  
or other oil and gas  
waste into a porous  
formation not pro-  
ductive of oil or gas.

The applicant propos-  
es to dispose of pro-  
duced water or other  
oil and gas waste into  
the Poker Lake Unit  
#79 (Delaware For-  
mation). The maxi-  
mum injection pres-  
sure will be 860 psi  
and the maximum  
rate will be 2500 bbls  
produced water/day.  
The proposed dispos-  
al well is located 13  
miles southeast of  
Molaga, New Mexico  
in Section 2, T25S,  
R30E, Eddy County,  
New Mexico. The  
produced salt water  
will be disposed at a  
subsurface depth of  
4300'-5965'.

Any questions con-  
cerning this applica-  
tion should be direct-  
ed to Valerie Truax,  
Regulatory Adminis-  
trative Assistant  
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.



LEASE: POKER LAKE UNIT WELL #: 79  
 FIELD: CORRAL CANYON, NE (DELAWARE)  
 LOCATION: 660' FSL & 660' FWL, SEC 2, T25S, R30E, UT.M  
 COUNTY: EDDY ST: NM API: 30-015-27438

X: 647210  
 Y: 420058  
 LAT: 32.15396  
 LONG: -103.85766

**SURFACE CASING**

SIZE: 13-3/8"  
 WT/GRD: 48#  
 CSA: 696'  
 SX: 650  
 CIRC: YES  
 TOC: SURF  
 HOLE SIZE: 17-1/2" 0-700'

**INTERMEDIATE CASING**

SIZE: 8-5/8"  
 WT/GRD: 32#  
 CSA: 3965'  
 SX: 2200  
 CIRC: YES  
 TOC: SURF  
 HOLE SIZE: 12-1/4" 700-3980'

**PRODUCTION CASING**

SIZE: 5-1/2"  
 WT/GRD: 15.5 & 17# J55  
 CSA: 8002'  
 SX: 1050  
 CIRC: N DVT 5486'  
 TOC: 4088' CBL  
 HOLE SIZE: 7-7/8" 3980-8003'

**TUBING DATA**

(181 JTS) 2-7/8" 6.5#/FT J55 TBG  
 5-1/2" TAC @ 5996'  
 (54 JTS) 2-7/8" 6.5#/FT J55 TBG  
 SN @ 7784' EOT 7785'

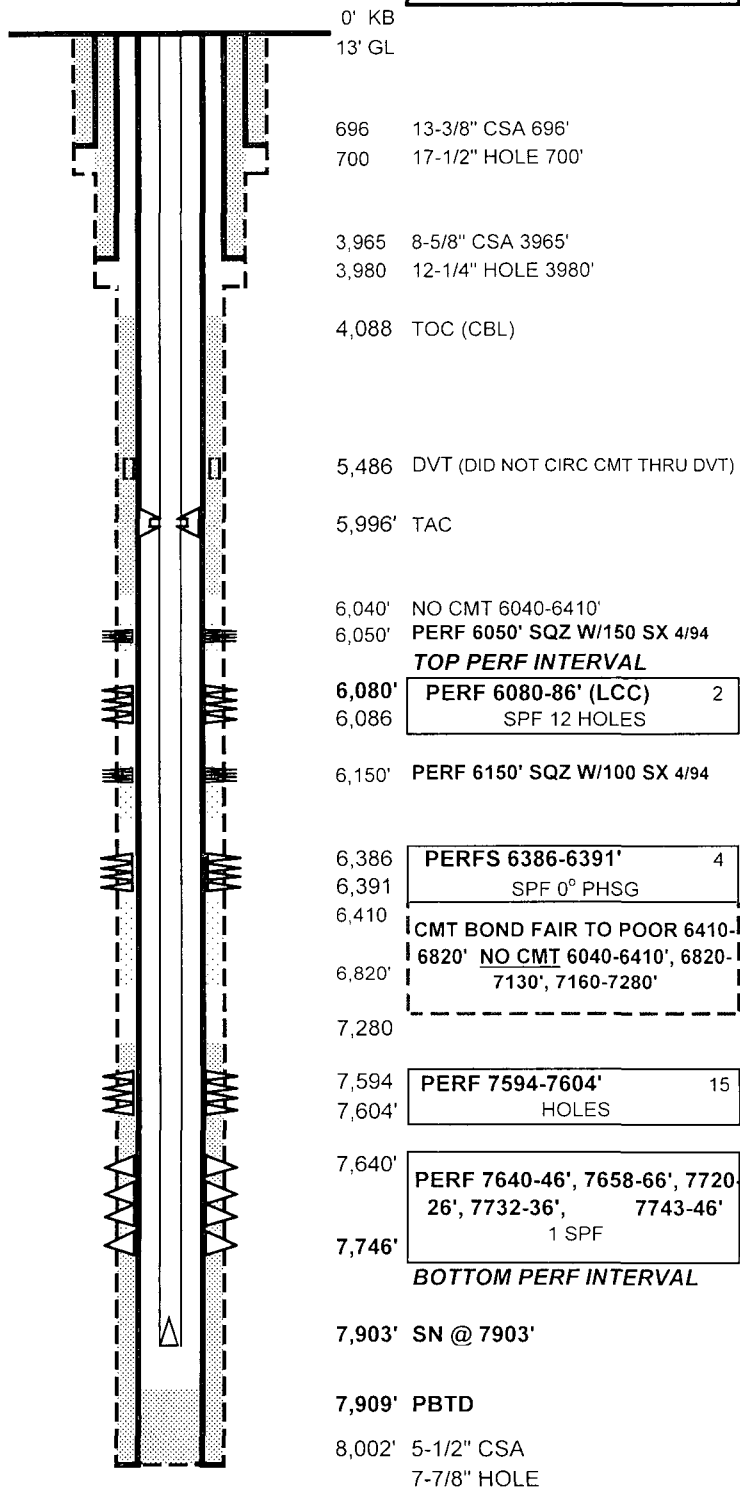
**ROD & PUMP DATA**

2900' 7/8" D RODS  
 4350' 3/4" D RODS  
 500' 7/8" D RODS  
 1-1/2" RHBC-HVR-TS PMP  
 LUFKIN 456D-305-120 W/60HP AJAX  
 68" X 10.5 X 1.25  
 RODS MAY BE A MIX OF WCN 90 & 97

**PERFORATION DATA**

05/94 PERF 6080-86' A/ 1.5kg 7-1/2%+2.5kg 15% MSR150 W/ 670 SCF/BBL N2, TTL 91.5k SCF  
 10/99 PERF 6386-91' F/ 10.6kg SFG 2500+30k# 16/30 BRDY+24k 12/20 RCS  
 05/94 PERF 7594-7640' F/ 11.2kg+20k# 20/40 SND  
 09/93 PERF 7640-7746' F/ 34.5kg VF 130+80k# 16/30+13.3k# 16/30 RCS

KB: 3370'  
 GL: 3357'  
 SPUD DATE: 8/21/1993  
 COMP DATE: 10/1/1993



PBTD: 7909' LOG  
 TD: 8002' LOG

Updated: 12/16/2009  
 Author: ezg  
 Engr: CC

LEASE: POKER LAKE UNIT WELL #: 79  
 FIELD: CORRAL CANYON, NE (DELAWARE)  
 LOCATION: 660' FSL & 660' FWL, SEC 2, T25S, R30E, UT.M  
 COUNTY: EDDY ST: NM API: 30-015-27438

X: 647210  
 Y: 420058  
 LAT: 32.15396  
 LONG: -103.85766

**SURFACE CASING**

SIZE: 13-3/8"  
 WT/GRD: 48#  
 CSA: 696'  
 SX: 650  
 CIRC: YES  
 TOC: SURF  
 HOLE SIZE: 17-1/2" 0-700'

KB: 3370'  
 GL: 3357'  
 SPUD DATE: 8/21/1993  
 COMP DATE: 10/1/1993

**INTERMEDIATE CASING**

SIZE: 8-5/8"  
 WT/GRD: 32#  
 CSA: 3965'  
 SX: 2200  
 CIRC: YES  
 TOC: SURF  
 HOLE SIZE: 12-1/4" 700-3980'

**PRODUCTION CASING**

SIZE: 5-1/2"  
 WT/GRD: 15.5 & 17# J55  
 CSA: 8002'  
 SX: 1050  
 CIRC: N DVT 5486'  
 TOC: 4088' CBL  
 HOLE SIZE: 7-7/8" 3980-8003'

**TUBING DATA**

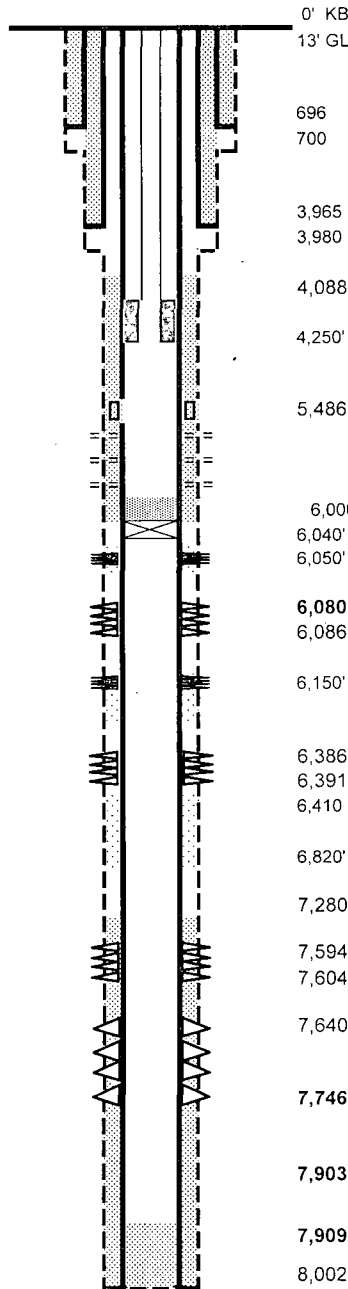
(181 JTS) 2-7/8" 6.5#/FT J55 TBG  
 5-1/2" TAC @ 5996'  
 (54 JTS) 2-7/8" 6.5#/FT J55 TBG  
 SN @ 7784' EOT 7785'

**ROD & PUMP DATA**

2900' 7/8" D RODS  
 4350' 3/4" D RODS  
 500' 7/8" D RODS  
 1-1/2" RHBC-HVR-TS PMP  
 LUFKIN 456D-305-120 W/60HP AJAX  
 68" X 10.5 X 1.25  
 RODS MAY BE A MIX OF WCN 90 & 97

**PERFORATION DATA**

05/94 PERF 6080-86' A/ 1.5kg 7-  
 1/2"+2.5kg 15% MSR150 W/ 670  
 SCF/BBL N2, TTL 91.5k SCF  
 10/99 PERF 6386-91' F/ 10.6kg SFG  
 2500+30k# 16/30 BRDY+24k 12/20 RCS  
 05/94 PERF 7594-7604' F/ 11.2kg+20k#  
 20/40 SND  
 09/93 PERF 7640-7746' F/ 34.5kg VF  
 130+80k# 16/30+13.3k# 16/30 RCS



0' KB  
 13' GL  
 696 13-3/8" CSA 696'  
 700 17-1/2" HOLE 700'  
 3,965 8-5/8" CSA 3965'  
 3,980 12-1/4" HOLE 3980'  
 4,088 TOC (CBL)  
 4,250' PKR

5,486 DVT (DID NOT CIRC CMT THRU DVT)

PERFS: 4960'-4966';4978'-4984';5080'-5090';  
 5262'-5274';5280'-5290';5292'-5300';  
 5922'-5940'- 1 SPF

6,000 CIBP w/ 35' cmt on top  
 6,040' NO CMT 6040-6410'  
 6,050' PERF 6050' SQZ W/150 SX 4/94

**TOP PERF INTERVAL**

6,080' PERF 6080-86' (LCC) 2  
 6,086 SPF 12 HOLES  
 6,150' PERF 6150' SQZ W/100 SX 4/94

6,386 PERFS 6386-6391' 4  
 6,391 SPF 0° PHSG  
 6,410 CMT BOND FAIR TO POOR 6410-  
 6820' NO CMT 6040-6410', 6820-  
 7130', 7160-7280'  
 7,280

7,594 PERF 7594-7604' 15  
 7,604' HOLES

7,640' PERF 7640-46', 7658-66', 7720-  
 26', 7732-36', 7743-46'  
 1 SPF  
 7,746'

**BOTTOM PERF INTERVAL**

7,903' SN @ 7903'

7,909' PBTB

8,002' 5-1/2" CSA  
 7-7/8" HOLE

PBTD: 7909' LOG  
 TD: 8002' LOG

Updated: 3/12/2009  
 Author: mjr  
 Engr: CC

FINAL PRINT

Schlumberger

CEMENT BOND VARIABLE

DENSITY LOG

COMPANY FORTSON OIL COMPANY

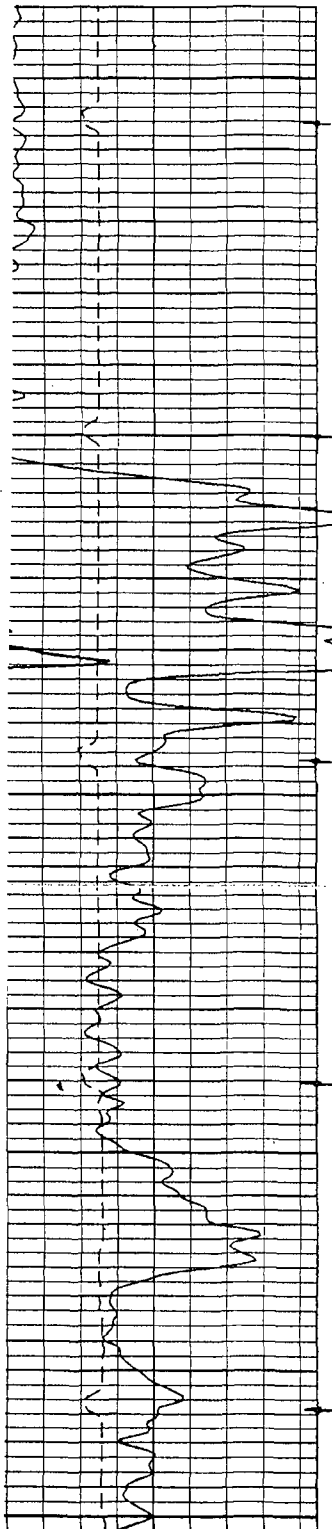
WELL #79 POKER LAKE UNIT

FIELD POKER LAKE

COUNTY EDDY STATE NEW MEXICO

LOCATION 660FSL &amp; 660FWL

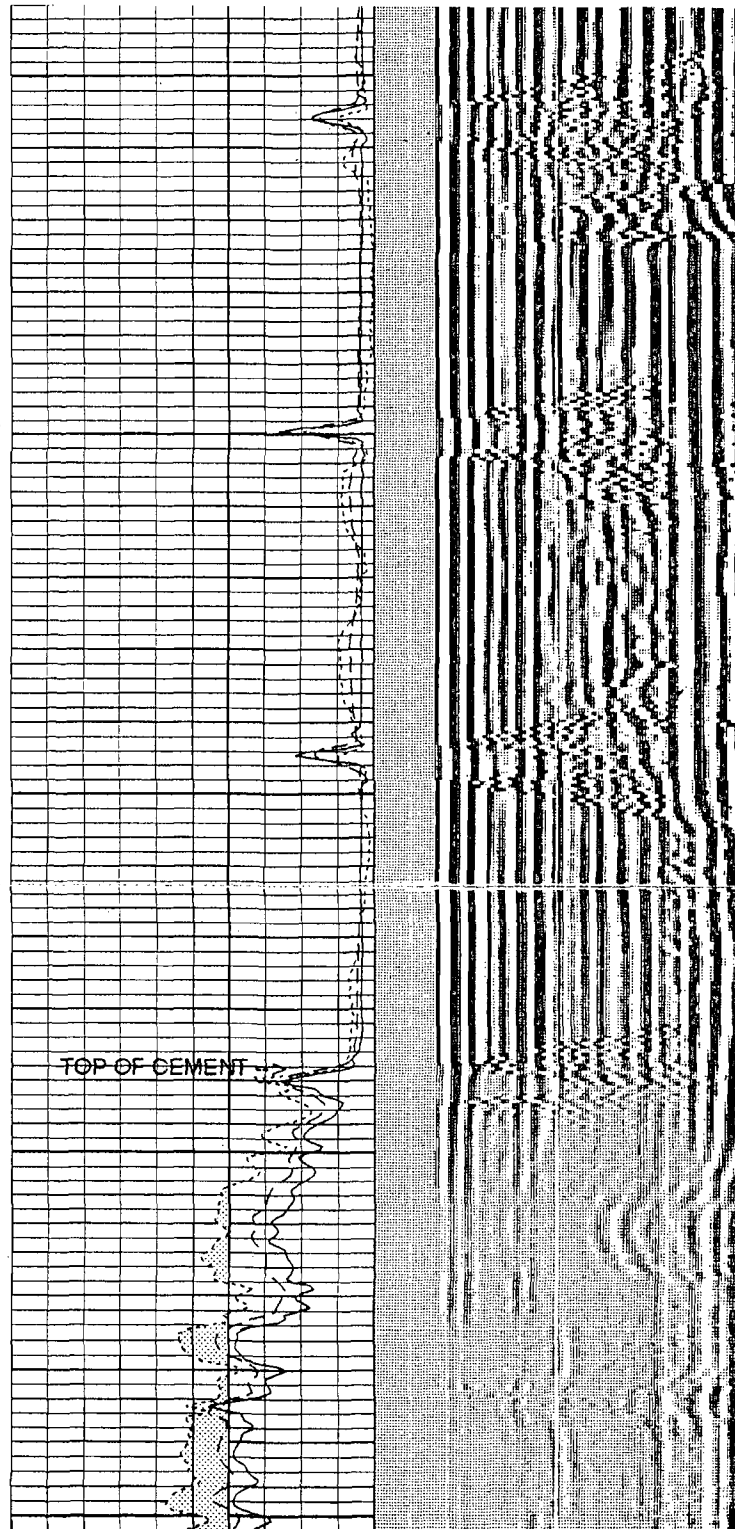
Other Services:

GUAGE RING  
CBT/GR/CCL  
4" PERFAPI SERIAL NO.  
30-015-27438SECT.  
2TWP.  
25-SRANGE  
30-E

4000

4100

TOP OF CEMENT



Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

clst  
Op

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-015-27438
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B-10679
7. Lease Name or Unit Agreement Name Poker Lake Unit
8. Well No. 79
9. Pool name or Wildcat Poker Lake (Delaware)

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"  
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	2. Name of Operator Fortson Oil Company
3. Address of Operator 301 Commerce Str., Suite 3301, Ft. Worth, Texas 76102	4. Well Location Unit Letter M : 660 Feet From The South Line and 660 Feet From The West Line Section 2 Township 25S Range 30E NMPM Eddy County
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3357' GR	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER: <input type="checkbox"/>
OTHER: <input type="checkbox"/>	

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed operations.)  
A seven and one half inch hole was spudded by JSM Drilling Co. August 21, 1993, and drilled to a depth of 700' K.B. Seventeen joints of 13.375" 48#/ft., H-40, 8rd casing was run and set at 695.94' K.B. Cemented with 350 sacks Premium Plus with 2% CACL2; 4% gel, and 1/4# Flocele/sk. (1.88 cu.ft./sk yield, 13.0#/gallon). Tailed in with 300 sacks Premium Plus with 2% CACL2 (1.32 cu.ft./sk. yield, 14.8#/gallon). Displaced with 106 barrels fresh water. Plug down at 11:30 AM August 22, 1993. Circulated 167 sacks cement to surface. Wait on cement 21.5 hours. Tested hydril and casing to 1000 psig with rig pump, O.K.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Sheryl L. Jonas TITLE Agent for Fortson Oil Co. DATE 8/27/93

TYPE OR PRINT NAME Sheryl L. Jonas TELEPHONE NO. 915-683-5511

(This space for State Use)

ORIGINAL SIGNED BY  
MIKE WILLIAMS

APPROVED BY SUPERVISOR, DISTRICT I TITLE DATE SEP 7 1993

CONDITIONS OF APPROVAL, IF ANY:

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

cise  
Op

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

SEP 1 1993

WELL API NO. 30-015-27438
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B-10679
7. Lease Name or Unit Agreement Name Poker Lake Unit
8. Well No. 79
9. Pool name or Wildcat Poker Lake (Delaware)

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Name of Operator Fortson Oil Company	
3. Address of Operator 301 Commerce Str., Suite 3301, Ft. Worth, Texas 76102	
4. Well Location Unit Letter M : 660 Feet From The South Line and 660 Feet From The West Line Section 2 Township 25S Range 30E NMPM Eddy County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3357' GR	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: Intermediate Casing Installation <input checked="" type="checkbox"/>

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

A twelve and one-quarter inch hole was drilled to a total depth of 3980' K.B. on August 28, 1993. SLM measurement 3976' K.B. 89 joints of 8.625" 32#/ft., J-55, ST&C casing was run and set at 3965.49' K.B. Cemented with 1950 sacks Halliburton Lite Premium Plus cement with 9# salt/sk. and 1/4# Flocele/sk., (1.97 cu.ft./sk. yield, 12.7#/gallon). Tailed in with 250 sacks Premium Plus Cement with 2% CACL2 (1.32 cu.ft./sk. yield, 14.8#/gallon). Displaced with 241 barrels fresh water. Plug down at 5:05 AM August 29, 1993. Circulated 384 sacks cement to pit. Wait on cement 20.75 hours. Tested "B" section seals to 2000 psig, O.K. Tested Blind Ram and casing to 1000 psig, O.K. Tested blind rams and choke manifold to 1000 psig, O.K.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Sheryl L. Jonas TITLE Agent for Fortson Oil Co. DATE 8/30/93

TYPE OR PRINT NAME Sheryl L. Jonas TELEPHONE NO. 915-683-5511

(This space for State Use)

ORIGINAL SIGNED BY  
MIKE WILLIAMS  
SUPERVISOR, DISTRICT II

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

SEP 7 1993

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-015-27438
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B-10679
7. Lease Name or Unit Agreement Name Poker Lake Unit
8. Well No. 79
9. Pool name or Wildcat Poker Lake (Delaware)

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Name of Operator Fortson Oil Company ✓	
3. Address of Operator 301 Commerce Str., Suite 3301, Ft. Worth, Texas 76102	
4. Well Location Unit Letter M : 660 Feet From The South Line and 660 Feet From The West Line Section 2 Township 25S Range 30E NMPM Eddy County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3357' GR	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:		
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: Total depth and 5.5" casing report <input checked="" type="checkbox"/>	

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

A seven and seven-eighths inch hole was drilled to a total depth of 8000' K.B. on September 4, 1993. 183 joints of 5-1/2" 15.5# & 17.0#/ft., J-55 casing was run and set at 8003.42' K.B., D.V. tool set at 5484.67' K.B. Cemented first stage with 650 sacks Premium Plus 50/50 Poz cement with 0.6% Halad 322, 1.4#/sk. salt, (1.36 cu.ft./sk. yield, 14.0#/gallon). Plug down at 12:06 PM September 6, 1993. Cement did not circulate; lost complete returns while cementing first stage. Regained circulation after opening D.V. tool. Circulated through D.V. tool for 5 hours. Cemented second stage with 210 sacks Howco Lite cement with 1/4# Flocele/sk., and 6% gel (1.97 cu.ft./sk. yield, 12.4#/gallon). Tail in with 160 sacks Premium Plus cement with 8# Silicalite/sk., 0.6% Halad 322 and 2.4# salt (1.82 cu.ft./sk. yield, 13.6#/gallon). Plug down at 7:00 PM September 6, 1993. Did not Circulate cement to surface. Rig released at 2:00 AM September 7, 1993.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Sheryl L. Jonas Agent for Fortson Oil Co. DATE 9/20/93

TYPE OR PRINT NAME Sheryl L. Jonas TELEPHONE NO. 915-683-5511

(This space for State Use) ORIGINAL SIGNED BY

MIKE WILLIAMS

SUPERVISOR, DISTRICT III

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

OCT 19 1993

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drill or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all spe tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, t vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STAT

### Southeastern New Mexico

T. Anhy 938  
T. Salt  
B. Salt 3793  
T. Yates  
T. 7 Rivers  
T. Green  
T. yburg  
T. an Andres  
T. lorieta  
T. Paddock  
T. Blinebry  
T. Tubb  
T. Drinkard  
T. Abo  
T. Wolfcamp  
T. Penn  
T. Cisco (Bough C)

T. Canyon  
T. Strawn  
T. Atoka  
T. Miss  
T. Devonian  
T. Silurian  
T. Montoya  
T. Simpson  
T. McKee  
T. Ellenburger  
T. Gr. Wash  
T. Delaware Sand 4052  
T. Bone Springs 7813  
T.  
T.  
T.

### Northwestern New Mexico

T. Ojo Alamo  
T. Kirtland Fruitland  
T. Pictured Cliffs  
T. Cliff House  
T. Menefee  
T. Point Lookout  
T. Mancos  
T. Gallup  
Base Greenhorn  
T. Dakota  
T. Morrison  
T. Todillo  
T. Enrada  
T. Wingate  
T. Chinle  
T. Permian  
T. Penn "A"

T. Penn. "B"  
T. Penn. "C"  
T. Penn. "D"  
T. Leadville  
T. Madison  
T. Elbert  
T. McCracken  
T. Ignacio Otzte  
T. Granite  
T.  
T.  
T.  
T.  
T.  
T.  
T.  
T.

## OIL OR GAS SANDS OR ZONES

No. 1, from 7560 to 7793  
No. 2, from to  
No. 3, from to  
No. 4, from to

## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet  
No. 2, from to feet  
No. 3, from to feet

## LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
0	938	938	Sand, Shale				
938	3793	2855	Salt, Anhydrite				
3793	4004	211	Anhydrite				
4004	4052	48	Lime				
4052	4896	844	Sand, Shale				
4896	6494	1583	Sand, Shale, some lime				
6494	7813	1319	Sand, shale, some lime				
7813	8002	139	lime				

plugged

LEASE: POKER LAKE UNIT WELL #: 47  
FIELD: NASH DRAW (DELAWARE)  
LOCATION: 1980' FSL & 990' FEL, SEC 3, T25S, R30E  
COUNTY: EDDY ST: NM API: 30-015-23068

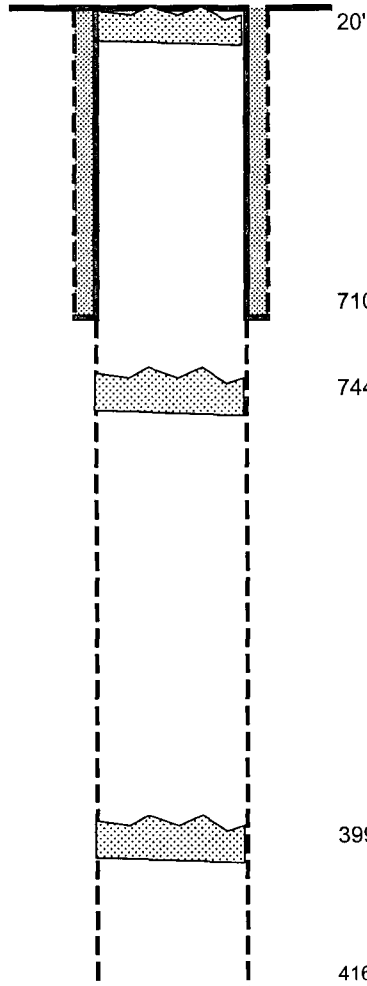
**SURFACE CASING**

SIZE: 8-5/8"  
WT/GRD: 24# K55  
CSA 710'  
SX: 200 Halco Lite  
SX: 200 Class C  
CIRC: N  
TOC: SURF by TopOut  
HOLE SIZE: 12 1/4" 0-710'

**INTERMEDIATE CASING**

SIZE: \_\_\_\_\_  
WT/GRD: \_\_\_\_\_  
CSA \_\_\_\_\_  
SX: \_\_\_\_\_  
SX: \_\_\_\_\_  
CIRC: \_\_\_\_\_  
TOC: \_\_\_\_\_  
HOLE SIZE: 7-7/8" 710-4160'

P & A'd



KB:  
GL: 3324  
SPUD DATE: 12/11/1979  
COMP DATE:

Cmt Plug / 20 sx cmt

8-5/8" 24# CSG  
12-1/4" HOLE

Cmt plug/ 50 sx cmt

Cmt plug/ 50 sx cmt

7-7/8" Hole

TD: 4160'

*S. Haller*

Updated: 12/16/2009  
Author: ezg  
Engr: CC



plugged

QZ SSF

## POKER LAKE UNIT #127

LOC: 1980' FSL & 660' FWL, SEC 2, T25S, R30E, UT ?

API NO: 30-015-29460

ELEVS: 3332.7' GL, 3349.3' KB

SPUD DATE: 3/30/97 P&A: 4/23/97

BASS ENTERPRISES  
POKER LAKE (DELAWARE), NE FLD  
EDDY COUNTY, NEW MEXICO  
DATE: 5/14/97; RAS; PLU127

### WELLBORE INFORMATION

11-3/4" 42# WC-40 ST&C CSA 947'.  
CMTD W/561 SX. TOC: SURFACE  
14-3/4" HOLE 0-947'.

8-5/8" 32 & 28# WC-50 & K-55 LT&C CSA  
3973'. CMTD W/1370 SX. CMT CIRC  
TO SURFACE.  
11" HOLE 947-3973'.

CMT PLUG 100 SX @ SURF-185'

CMT PLUG: 100 SX @ 3850-4100'

CMT PLUG: 260 SX @ 5600-6200'

CMT PLUG: 100 SX @ 6750-6450'.  
TD: 7992'

7-7/8" HOLE 3973-7992'.

Re-Plug  
or Re-enter  
& connect to depth

RECEIVED OCD  
2010 APR -9 P 1:16

2. Article Number **7160 3901 9846 3455 0005**

3. Service Type **CERTIFIED MAIL**

4. Restricted Delivery? (Extra Fee) ☐ Yes

1. Article Addressed to:

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF RETURN ADDRESS FOLD AT DOTTED LINE

A.O. 3/31

C. Signature *[Signature]*

X

D. Is delivery address different from item 1? ☒ Yes  
If YES, enter delivery address below:

☐ Agent  
☐ Addressee  
☐ Yes  
☐ No

Bureau of Land Management  
620 E. Greene Street  
Carlsbad, NM 88220-6292

*plu 79*  
*April 8*

PS Form 3811, January 2005

Domestic Return Receipt

2. Article Number **7160 3901 9846 3455 0012**

3. Service Type **CERTIFIED MAIL**

4. Restricted Delivery? (Extra Fee) ☐ Yes

1. Article Addressed to:

APR 1 - 2010

C. Signature *[Signature]*

X

D. Is delivery address different from item 1? ☒ Yes  
If YES, enter delivery address below:

☐ Agent  
☐ Addressee  
☐ Yes  
☐ No

Fortson Oil Company  
301 Commerce St, Ste 3301  
Ft Worth, TX 76102 *plu 7*

PS Form 3811, January 2005

Domestic Return Receipt

## Jones, William V., EMNRD

---

**From:** Jones, William V., EMNRD  
**Sent:** Friday, May 07, 2010 11:42 AM  
**To:** 'Truax, Valerie L.'; 'Cruz, Carlos'  
**Cc:** Ezeanyim, Richard, EMNRD; Reeves, Jacqueta, EMNRD; Dade, Randy, EMNRD; 'Wesley\_Ingram@blm.gov'  
**Subject:** Disposal application from BOPCO, L.P.: PLU #79 30-015-27438 Delaware  
**Attachments:** image001.jpg

Hello Valerie and Carlos:

Just reviewed your application and have the following questions and comments:

- a. The resulting permit will have three special conditions:
  - a. Set CIBP/Cmt at about 6000 feet to plug back the well over the former producing interval.
  - b. Check bradenhead 8-5/8 – 5-1/2 inch for any problems – repair if anything shows up.
  - c. Reenter/Replug or Re-Enter/Convert to disposal offsetting well PLU #127 (Please send in the C-108 or Re-enter Sundry)
- b. Division Rule 5.9 number of inactive wells are too many for BOPCO LP so I cannot release this permit. We only check the OCD web site, but Daniel Sanchez mentioned you may be working on repairing some wells, however, cannot release this permit until the number of wells are 5 or less. If you have done work and need to submit paperwork – talk to the Artesia district office about that and let me know when the following link shows 5 wells or less:  
<http://www.emnrd.state.nm.us/OCD/OCDPermitting/Report/Stats/InactiveWellList.aspx?Production=15&Operator=260737&ACO=Exclude&TA=Exclude>

### Action items from BOPCO:

Send in your intentions on the PLU #127 (C-108 application or Sundry to Replug)  
And let me know when the OCD web site only shows 5 wells or less.

Regards,

William V Jones, P.E.

Engineering, Oil Conservation Division  
1220 South St. Francis Drive, Santa Fe, NM 87505  
Tel 505.476.3448 ~ Fax 505.476.3462



*Cancel  
4/1/10  
Blm District*

**Jones, William V., EMNRD**

---

**From:** Jones, William V., EMNRD  
**Sent:** Thursday, April 29, 2010 4:28 PM  
**To:** 'Cruz, Carlos'  
**Subject:** RE: BOPCO, L.P.....PLU 79 SWD and PLU 127 P & A

Sounds like a plan to me to convert both wells to disposal.

I forget if the 79 well needs to go to hearing or will the disposal be into a zone that is not productive in this area?

I will try to look this over next week – but if you know of some other details let me know.



William V Jones

Engineering Bureau, Oil Conservation Division  
Energy, Minerals & Natural Resources Department  
1220 South St. Francis Drive  
Santa Fe, NM 87505  
Tel 505.476.3448 ~ Fax 505.476.3462

---

**From:** Cruz, Carlos [mailto:ccruz@BassPet.Com]  
**Sent:** Thursday, April 29, 2010 4:14 PM  
**To:** Jones, William V., EMNRD  
**Subject:** BOPCO, L.P.....PLU 79 SWD and PLU 127 P & A

Will,

I've been in contact with Wesley Ingram and Dustin Winkler with the BLM in Carlsbad. One of the BLM's request for approval of our PLU 79 SWD conversion was to re-P&A the PLU 127 so that we would have a cement plug across the Bone Spring top. In preparing for this I was talking to our VP of Operations and he asked why not convert the PLU 127 to and SWD also. Since we were going to spend money on a P & A why not just use the wellbore. I agreed so I contacted Wesley and Dustin so they could check out any offset wells that would be affected. Dustin did some research and he found the PLU 79 would be the only well. He told me he needed the TOC on the PLU 79 (TOC at 4090 feet; from CBL), which I scanned and emailed to him. He also said that I needed to go ahead and file the permit and notify you of the new plan.

The plan on the PLU 127 is to drill out the current cmt plugs, set a cmt plug across the Bone Spring, run 7" flush csg (cemented to surface) down to ~6100 feet, and prepare the interval 4268' to 5928' for SWD. I will be using a 3-1/2" IPC tbg for injection. I correlated both logs to be sure that we would be disposing into the same correlative zone as that in the PLU 79. If you require a more detailed explanation of my plans please let me know and I'll be glad to send you all the necessary information.

Thank You,

Carlos Cruz  
BOPCo, L.P.  
Division Production Superintendent  
(432)683-2277 office  
(432)238-9443 cell

**Jones, William V., EMNRD**

---

**From:** Cruz, Carlos [ccruz@BassPet.Com]  
**Sent:** Friday, April 30, 2010 6:10 AM  
**To:** Jones, William V., EMNRD  
**Subject:** BOPCO, L.P.....PLU 127 WBD  
**Attachments:** PLU 79 TOC scan.pdf

Will,

Shown is the current WBD for the PLU 127. I have also attached the scanned TOC section that I emailed to Dustin Winkler with the BLM in Carlsbad.

**Jones, William V., EMNRD**

---

**From:** Truax, Valerie L. [VLTruax@BassPet.Com]  
**Sent:** Wednesday, April 14, 2010 6:22 AM  
**To:** Jones, William V., EMNRD  
**Subject:** FW: Disposal application from Bopco, LP: Poker Lake Unit #79 30-015-27438 4960 - 5940 feet disposal interval

Quick response!

---

**From:** Cruz, Carlos  
**Sent:** Wednesday, April 14, 2010 7:22 AM  
**To:** Truax, Valerie L.  
**Subject:** Re: Disposal application from Bopco, LP: Poker Lake Unit #79 30-015-27438 4960 - 5940 feet disposal interval

Valerie,

We have talked to Wesley with the BLM. We will fix the PLU 127.

---

**From:** Truax, Valerie L.  
**To:** 'Jones, William V., EMNRD' <William.V.Jones@state.nm.us>  
**Cc:** Cruz, Carlos  
**Sent:** Wed Apr 14 07:19:39 2010  
**Subject:** RE: Disposal application from Bopco, LP: Poker Lake Unit #79 30-015-27438 4960 - 5940 feet disposal interval

Will: Thank you so much for the email. I am forwarding this on to Carlos Cruz. I believe he spoke with Wesley Ingram (BLM) yesterday, but we really appreciate having this BLM response. Thanks for remembering us in your research.  
Valerie

---

**From:** Jones, William V., EMNRD [mailto:William.V.Jones@state.nm.us]  
**Sent:** Tuesday, April 13, 2010 4:16 PM  
**To:** Truax, Valerie L.  
**Cc:** Ezeanyim, Richard, EMNRD; Dustin\_Winkler@blm.gov  
**Subject:** Disposal application from Bopco, LP: Poker Lake Unit #79 30-015-27438 4960 - 5940 feet disposal interval

Hello Valerie:

Below, please read the objection from the BLM to the use of this well for disposal at these depths.

Please talk this over and let me know if Bopco agrees to repair the PLU 127 as part of a conditional disposal permit? If agreeable to this, I will review the application for any other issues and let you know.

Regards,

William V. Jones PE

New Mexico Oil Conservation Division

**Jones, William V., EMNRD**

---

**From:** Jones, William V., EMNRD  
**Sent:** Tuesday, April 13, 2010 3:16 PM  
**To:** 'Truax, Valerie L.'  
**Cc:** Ezeanyim, Richard, EMNRD; 'Dustin\_Winkler@blm.gov'  
**Subject:** Disposal application from Bopco, LP: Poker Lake Unit #79 30-015-27438 4960 - 5940 feet disposal interval

Hello Valerie:

Below, please read the objection from the BLM to the use of this well for disposal at these depths.

Please talk this over and let me know if Bopco agrees to repair the PLU 127 as part of a conditional disposal permit? If agreeable to this, I will review the application for any other issues and let you know.

Regards,

William V. Jones PE  
New Mexico Oil Conservation Division  
1220 South St. Francis  
Santa Fe, NM 87505  
505-476-3448

-----Original Message-----

**From:** Dustin\_Winkler@blm.gov [mailto:Dustin\_Winkler@blm.gov]  
**Sent:** Wednesday, April 07, 2010 4:18 PM  
**To:** Jones, William V., EMNRD  
**Cc:** Wesley\_Ingram@blm.gov; Don\_Peterson@blm.gov  
**Subject:** PLU #79 Conversion to Injection

Will,

While reviewing the potential conversion to injection for the Poker Lake Unit #79, the BLM found that the Poker Lake Unit #127 could create some problems with the proposed injection. PLU #127 is 0.25 miles away from PLU#79 and is plugged, but the plugging is inadequate. The top of Bone Spring was missed and the plugs below the Lamar don't seem to be covering anything in particular. This could potentially allow the disposed water into one Delaware formation to potentially migrate into other Delaware producing formations or even into the Bone Spring formation.

Therefore, without remedial work on the PLU #127, the BLM objects to the conversion.

Thanks,

Dusty Winkler  
Petroleum Engineer  
Bureau of Land Management  
Carlsbad Field Office  
575-234-5914

**Jones, William V., EMNRD**

---

**From:** Dustin\_Winkler@blm.gov  
**Sent:** Monday, June 07, 2010 11:41 AM  
**To:** Jones, William V., EMNRD  
**Cc:** Don\_Peterson@blm.gov; Ezeanyim, Richard, EMNRD; Wesley\_Ingram@blm.gov  
**Subject:** RE: PLU #79 Conversion to Injection

Will,

I sent this before the application for the PLU # 79 was sent in. As long as the #79 meets NMOCD's regulations on injection wells, it would be OK to approve the PLU #127 as well.

Thanks,

Dusty Winkler  
Petroleum Engineer  
Bureau of Land Management  
Carlsbad Field Office  
575-234-5914

"Jones, William  
V., EMNRD"  
<William.V.Jones@  
state.nm.us>

06/07/2010 11:22  
AM

To  
cc  
<Dustin\_Winkler@blm.gov>  
<Wesley\_Ingram@blm.gov>,  
<Don\_Peterson@blm.gov>, "Ezeanyim,  
Richard, EMNRD"  
<richard.ezeanyim@state.nm.us>  
Subject  
RE: PLU #79 Conversion to Injection

Hello Dustin:

Working on these two applications for disposal wells again: PLU #79 and PLU #127.  
From below it appears there is a legal protest to allowing #79 to be converted to disposal.

Is it OK to issue a disposal permit for the #79 well conditional on re-entry and conversion or re-plug of #127?

It has been a while and just need to make sure you guys are OK with this.

Thank You,



Will Jones  
New Mexico  
Oil Conservation Division  
Images Contacts

-----Original Message-----

From: Dustin\_Winkler@blm.gov [mailto:Dustin\_Winkler@blm.gov]  
Sent: Wednesday, April 07, 2010 4:18 PM  
To: Jones, William V., EMNRD  
Cc: Wesley\_Ingram@blm.gov; Don\_Peterson@blm.gov  
Subject: PLU #79 Conversion to Injection

Will,

While reviewing the potential conversion to injection for the Poker Lake Unit #79, the BLM found that the Poker Lake Unit #127 could create some problems with the proposed injection. PLU #127 is 0.25 miles away from PLU#79 and is plugged, but the plugging is inadequate. The top of Bone Spring was missed and the plugs below the Lamar don't seem to be covering anything in particular. This could potentially allow the disposed water into one Delaware formation to potentially migrate into other Delaware producing formations or even into the Bone Spring formation.

Therefore, without remedial work on the PLU #127, the BLM objects to the conversion.

Thanks,

Dusty Winkler  
Petroleum Engineer  
Bureau of Land Management  
Carlsbad Field Office  
575-234-5914

Confidentiality Notice: This e-mail, including all attachments is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited unless specifically provided under the New Mexico Inspection of Public Records Act. If you are not the intended recipient, please contact the sender and destroy all copies of this message. -- This email has been scanned by the Sybari - Antigen Email System.

# Injection Permit Checklist (03/15/2010)

Case \_\_\_\_\_ R- \_\_\_\_\_ SWD 1221 WFX \_\_\_\_\_ PMX \_\_\_\_\_ IPI \_\_\_\_\_ Permit Date 8/16/10 UIC Qtr (A/F)

# Wells 1 Well Name: POKER LAKE UNIT #79

API Num: (30-) 015-27438 Spud Date: 8/21/93 New/Old: N (UIC primacy March 7, 1982)

Footages 660 FSL/660 FWL Unit M Sec 2 Tsp 255 Rge 30E County EDDY

Operator: BOPCO, L.P. Contact: Carlos CRUZ / Valeria Pina

OGRID 260737 RULE 5.9 Compliance (Wells) OK (Finan Assur) OK IS 5.9 OK? OK

Operator Address: 6 DESTA DRIVE, SUITE 3700, (PO BOX 2769, MIDLAND TX 79702)

Current Status: \_\_\_\_\_

Planned Work to Well: Set CIBPC 6000' cap out Planned Tubing Size/Depth: 2 7/8" C 4250

	Sizes Hole.....Pipe	Setting Depths	Cement Sx or Cf	Cement Top and Determination Method
Existing <input checked="" type="checkbox"/> Surface	<u>17 1/2 13 3/8</u>	<u>696</u>	<u>650</u>	<u>CIRC</u>
Existing <input checked="" type="checkbox"/> Intermediate	<u>12 1/4 8 5/8</u>	<u>3965</u>	<u>2200</u>	<u>CIRC</u>
Existing <input checked="" type="checkbox"/> Long String	<u>7 7/8 5 1/2</u>	<u>8003</u>	<u>1020</u>	<u>4090 CBL</u>

DV Tool 5485 Liner \_\_\_\_\_ Open Hole \_\_\_\_\_ Total Depth 8003

Well File Reviewed ☒

Diagrams: Before Conversion ☒ After Conversion ☒ Elogs in Imaging File: ☒

Intervals:	Depths	Formation	Producing (Yes/No)
Above (Name and Top)			
Above (Name and Top)			
Injection..... Interval TOP:	<u>4300</u>	<u>Del</u>	<u>NO</u>
Injection..... Interval BOTTOM:	<u>5965</u>	<u>Del</u>	<u>NO</u>
Below (Name and Top)	<u>6980'-7146'</u>	<u>Brushy is depleted</u>	

## GENERAL LOCATION

Corral Canyon  
11 ME. N. of State Line  
Red Bluff  
TEXAS

860 PSI Max. WHIP

Open Hole (Y/N) \_\_\_\_\_

Deviated Hole? \_\_\_\_\_

Sensitive Areas: Capitan Reef Cliff House Salt Depths 958'-3793'

Polash Area (R-111-P) Polash Lessee Noticed? \_\_\_\_\_

Fresh Water: Depths: 0 - 1255' Wells none Analysis? \_\_\_\_\_ Affirmative Statement ☒

Disposal Fluid Sources: Daloune Analysis? \_\_\_\_\_

Disposal Interval Production Potential/Testing/Analysis Analysis: OK

Notice: Newspaper(Y/N) ☒ Surface Owner BLM Mineral Owner(s) \_\_\_\_\_

RULE 26.7(A) Affected Parties: Fortson OIL CO.

Area of Review: Adequate Map (Y/N) ☒ and Well List (Y/N) ☒

Active Wells 0 Num Repairs \_\_\_\_\_ Producing in Injection Interval in AOR \_\_\_\_\_

P&A Wells 1 Num Repairs 1 All Wellbore Diagrams Included? ☒

Questions/Required Work:

RE-PLUG PLU #127 or convert to DISPOSAL  
Set CIBPC 6000'  
CHK BRADEN/READ / Repair if NEC.

Request Sent \_\_\_\_\_ Reply: \_\_\_\_\_

Request Sent \_\_\_\_\_ Reply: \_\_\_\_\_

Request Sent \_\_\_\_\_ Reply: \_\_\_\_\_