**JAMES BRUCE**
**ATTORNEY AT LAW**

**POST OFFICE BOX 1056**
**SANTA FE, NEW MEXICO 87504**

**369 MONTEZUMA, NO. 213**
**SANTA FE, NEW MEXICO 87501**

**(505) 982-2043 (Phone)**
**(505) 660-6612 (Cell)**
**(505) 982-2151 (Fax)**

**jamesbruc@aol.com**



March 16, 2010

Case 14461

Florene Davidson
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Dear Florene:

Enclosed for filing, on behalf of BOPCo, L.P., is an application to approve a salt water disposal well, together with a proposed advertisement. The advertisement has also been e-mailed to the Division. Please set this matter for the April 15, 2010 Examiner hearing. Thank you.

Very truly yours,

James Bruce

Attorney for BOPCo, L.P.

Persons Notified of Hearing

Bureau of Land Management
Carlsbad, New Mexico

Oil Conservation Division
Artesia, New Mexico

**BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION**

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**APPLICATION OF BOPCo, L.P. FOR APPROVAL OF A SALT WATER DISPOSAL WELL, EDDY COUNTY, NEW MEXICO.**

**Case No.** 14461

## APPLICATION

BOPCo, L.P. applies for an order approving a salt water disposal well, and in support thereof, states:

1. Applicant proposes to convert to disposal its Poker Lake Unit Well No. 213, located 860 feet from the south line and 660 feet from the east line of Section 18, Township 24 South, Range 30 East, N.M.P.M., Eddy County, New Mexico.

2. Injection will be into the Avalon zone of the Nash Draw-Delaware/Bone Spring Avalon Sand Pool at a depth of 7038-7460 feet subsurface.

3. A Form C-108 for the well is attached hereto as Exhibit A.

4. The granting of this application will prevent waste and protect correlative rights.

**WHEREFORE**, applicant requests that, after notice and hearing, the Division enter its order approving this application.

Respectfully submitted,

James Bruce

James Bruce
Post Office Box 1056
Santa Fe, New Mexico 87504
(505) 982-2043

Attorney for BOPCo, L.P.

STATE OF NEW MEXICO
ENERGY; MINERALS and NATURAL
RESOURCES DEPARTMENT

**Oil Conservation Division**
**1220 South St. Francis Dr.**
**SANTA FE, NEW MEXICO 87505**

Form C-108
Revised June 10, 2003

Case 14461

## APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance __X__ 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: Regulatory Clerk

SIGNATURE: Sandra J. Belt DATE: 12/30/2009

E-MAIL ADDRESS: sjbelt@basspet.com

* If the information required under Sections VI, VIII, 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. 1) Lease name: **Poker Lake Unit**
Well #: **213**
Section: **18**
Township: **24S**
Range: **30E**
Footage: **860' FSL & 660' FEL**

2) Casing Info:

| Casing size | Set depth | Sacks cmt | Hole size | TOC | Method |
|---|---|---|---|---|---|
| **8-5/8" 32# J-55 ST&C csg** | **454** | **860** | **12-1/4"** | **Surface** | **Circulated** |
| **5-1/2" 15 & 15.5# N80/L80** | **7596** | **845** | **7-7/8"** | **Surface** | **Circulated** |

3) Tubing to be used (size, lining material, setting depth):
**2-7/8" 17# J-55 Seal Tite IPC tbg set @ 7,370'**

4) Name, model, and depth of packer to be used:
**Lokset Nickel Plated EXT/INT PC Pkr set @ 7,370'**

B. 1) Name of the injection formation and, if applicable, the field or pool name:
**Nash Draw (Delaware/BS Avalon Sand)**

2) The injection interval and whether it is perforated or open hole:
**The wellbore will be perforated from 7,038' - 7,460' to facilitate future injection in all zones. Initially, we will inject into the lower Avalon zone only from 7388-460'.**

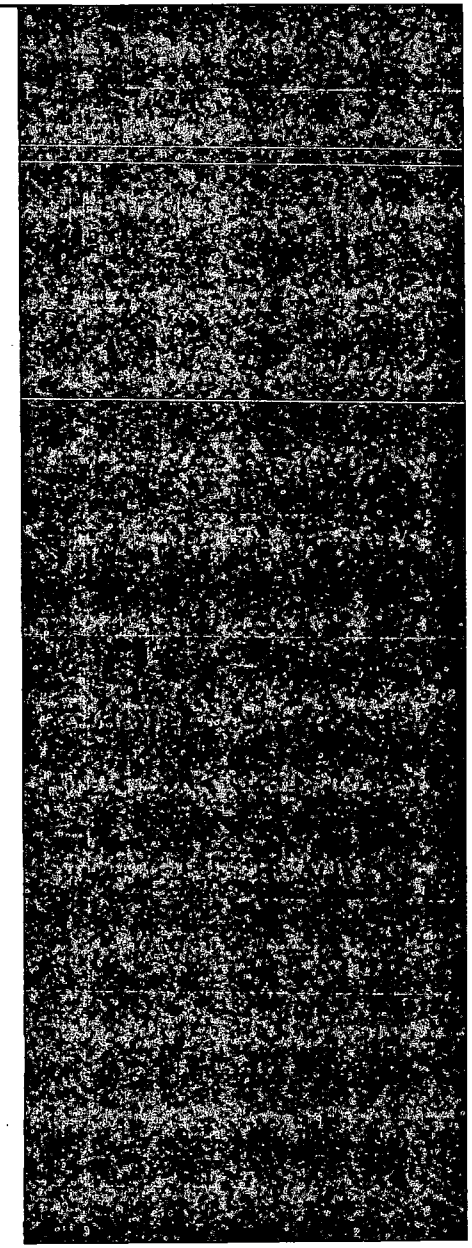
3) State if the well was drilled for injection or, if not, the original purpose of the well:
**Drill & complete Delaware development well.**

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

**N/A**

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 Sand @ approximatley 7,450'**





## 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 wells 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 | Construction: Surface Casing | Construction: Intermediate Casing | Construction: Production Casing | Construction: Tubing | Spud Date | Comp Date | TD | Perforations | Stimulation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PLU | 212 | 30-015-33915 | BOPCO, L.P. | Producer | 660 FSL & 1980 FEL | 8-5/8" @ 638' w/550 sks CC TOC @ Surf. | | 5-1/2" @ 7528' w/750 SKS Prem TOC @ 5657' (TS) | 2-7/8 @ 7397 | 10/19/05 | 12/1/05 | 7630' | 6020-7371 | 250,484 gals PW+20,000# 14/30 LiteProp |
| PLU | 289 | 30-015-35590 | BOPCO, L.P. | Producer | 800' FSL & 2280 FWL | 8-5/8" @ 632' W/630 sks w/ 300 sks Top Out to Surf | | 5-1/2" @ 7371' w/1970 sks TOC @ Surf | 2-7/8" @ 7325' | 6/5/07 | 7/9/07 | 7372' | 6996-7290 | 224,256 gals ProdWtr/22,000# 14/30 LiteProp |
| PLU | 211 | 30-015-33858 | BOPCO, L.P. | Producer | 1980 FSL & 1980 FEL | 8-5/8" @ 485' W/ 840 SKS TOC @ SURF | | 5-1/2" @ 7519' W/750 SKS/LTCRT TOC @ 3657' (TS) | 2-7/8" @ 7409' | 1/23/06 | 3/10/06 | 7520' | 6037-7360 | 272,215 gals PW + 21,252# 14/30 LiteProp |
| PLU | 260 | 30-015-34463 | BOPCO, L.P. | Producer | 1830 FSL & 760 FWL | 8-5/8" @ 871' W/840 SKS C TOC @ Surf | | 5-1/2" @ 7530' W/1100 SKS/LTCRT TOC @ 3918' (TS) | 2-7/8" @ 7506' | 4/2/06 | 5/19/06 | 7630' | 7188-7500 | 246,128 gals PW + 20,088# 14/30 LiteProp |
| PLU | 226 | 30-015-34105 | BOPCO, L.P. | Producer | 760 FSL & 760 FWL | 8-5/8" @ 824' W/440 SKS PP TOC @ Surf | | 5-1/2" @ 7631' W/830 SKS PP TOC @ 5250' (TS) | 2-7/8" @ 7521' | 9/12/05 | 10/26/05 | 7640' | 7254-7485 | 248,609 gals PW + 19,938# 14/30 LiteProp |
| PLU | 231 | 30-015-34072 | BOPCO, L.P. | Producer | 330 FNL & 630 FEL | 8-5/8" @ 550' W/736 SKS PBCZ&PP TOC @SURF | | 5-1/2" @ 7560' W/650 SKS PP TOC @ 4260' (TS) | 2-7/8" @ 7471' | 5/20/05 | 6/23/05 | 7570' | 7172-7416 | 259,657 gals PW + 19,926# 14/30 LiteProp |
| PLU | 214 | 30-015-33860 | BOPCO, L.P. | Producer | 510 FNL & 1980 FEL | 8-5/8" @ 410' W/ 265 SKS PP TOC @ Surf | | 5-1/2" @ 7515' W/ 700 SKS PP TOC @ 4618' (TS) | 2-7/8" @ 7360' | 7/18/05 | 8/12/05 | 7515' | 7200-7364 | 252,092 gals PW + 20,000# 14/30 LiteProp |
| PLU | 236 | 30-015-34419 | BOPCO, L.P. | Producer | 1555 FNL & 125 FEL | 11-3/4" @ 720' W/600 SKS C TOC @ SURF | | 5-1/2" @ 7598' W/ 800 SKS LITE TOC @ 3258 (TS) | 2-7/8" @ 7509 | 1/1/06 | 2/14/06 | 7608' | 7241-7480 | 297,838 gals PW + 23,957# 14/30 LiteProp |
| PLU | 207 | 30-015-34078 | BOPCO, L.P. | Producer | 2500 FNL 860 FEL | 8-5/8 @ 640' W/852 SKS TOC @ SURF | | 5-1/2" @ 7570' W/650 SKS TOC @ 3656' | 2-7/8" @ 7318' | 3/27/05 | 5/12/05 | 7571' | 7168-7430 | 152,345 gals PW + 43,183# 14/30 LiteProp; 187,530# 16/30 Ottowa +96,000# 16/30Super LC |
| PLU | 55 | P&A'D 11/15/82 TD @ 6246' - Does not penetrate injection zone | | | | | | | | | | | | |

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: 1357 psi average, 1408 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 Avalon)
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: n/a

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/Avalon
Thickness: 2238
Depth: 7058-7460

The Rustler Formation is a known source of fresh water throughout this geographic area. Average depth of Rustler is 148'-540'. No sources of fresh water are known to exist below the proposed disposal zone.

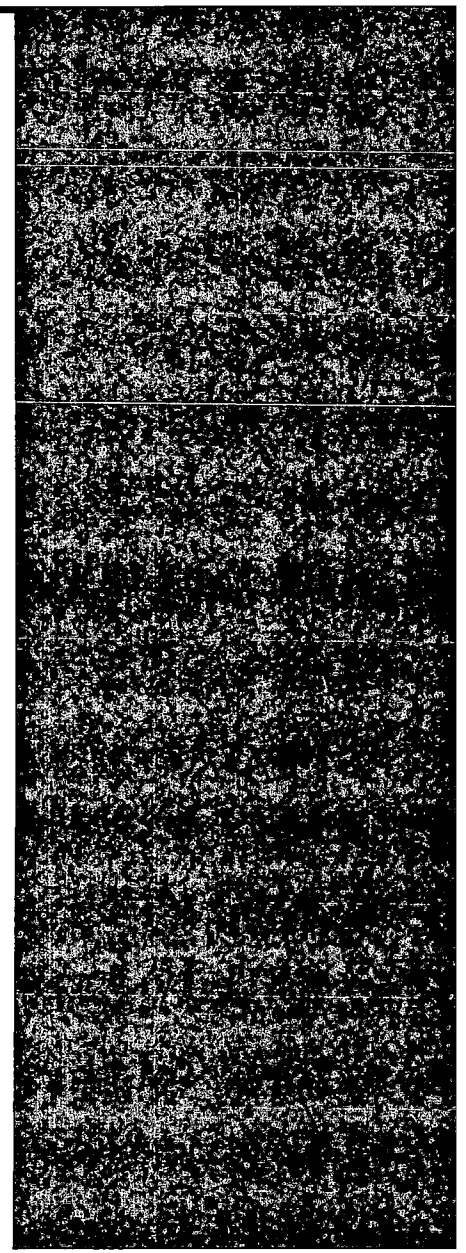
IX. Describe the proposed stimulation program, if any:
The perfs will be perforated and acidized with approximately 50 gallons 7-1/2% NEFE HCl per foot.

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.
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.





LEASE: POKER LAKE UNIT WELL #: 213
FIELD: NASH DRAW DELAWARE
LOCATION: 860' FSL & 660' FEL, SECTION 18, T24S, R30E
COUNTY: EDDY ST: NM API: 30-015-33859

**PROPOSED**

**KB:** 3215'
**GL:** 3195'
**SPUD DATE:** 1/13/2005
**COMP DATE:** 2/22/2005

### *SURFACE CASING*

| | | |
|---|---|---|
| **SIZE:** | 8-5/8" | |
| **WT/GRD:** | 32# | J-55 |
| **CSA:** | 454' | |
| **SX:** | 100 / 200 | PBCZ / PREM+ |
| **SX:** | 560 | PREM+ |
| **CIRC:** | Y | W/O RETURNS |
| **TOC:** | SURF | TOP OUT |
| **HOLE SIZE:** | 12-1/4" | 0-454' |

### *PRODUCTION CASING*

| | | |
|---|---|---|
| **SIZE:** | 5-1/2" (orig csg cut & replaced) | |
| **WT/GRD:** | 15.5# N80 | 0-5050' |
| **WT/GRD:** | 15.5# L80 | 5050-7596' |
| **CSA:** | 7596' | |
| **SX:** | 2799 sx POZ C | 50 sx Class C |
| **CIRC:** | Y | |
| **TOC:** | Surface | by Top Out |
| **HOLE SIZE:** | 7-7/8" | 454-7600' |

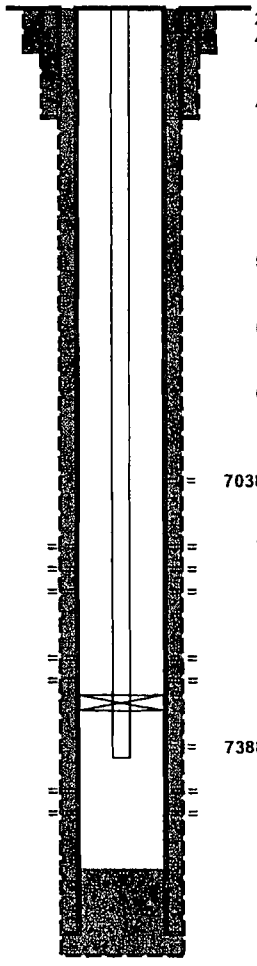
### *TUBING DATA*

### *RODS & PUMP DATA*

### *PERFORATION DATA*

02/05 **PERF 7420-30' AVALON** LOAD CSG W/ 16 bbls 2% KCl. BD perfs w/ 870#. Pmp spot acid away w/ 20 bbls 2% KCl @ 4 BPM & 800#. ISIP 750#. F/ 154.7kg PW + 26.7k# 14/30 LITE PROP + 3k# 16/30 SUPER LC. FLUSH W/ 7kg FW. LOST TTL 320 BPW TO PERFS.

03/05 **PERF 7279-89 "Z", 7194-7204' "Y"** F: 20.7kg PW+73kg Lightening 2500+15.9k# 14/30 Lite Prop+185k# 16/30 Ottawa+105k# 16/30 Super LC

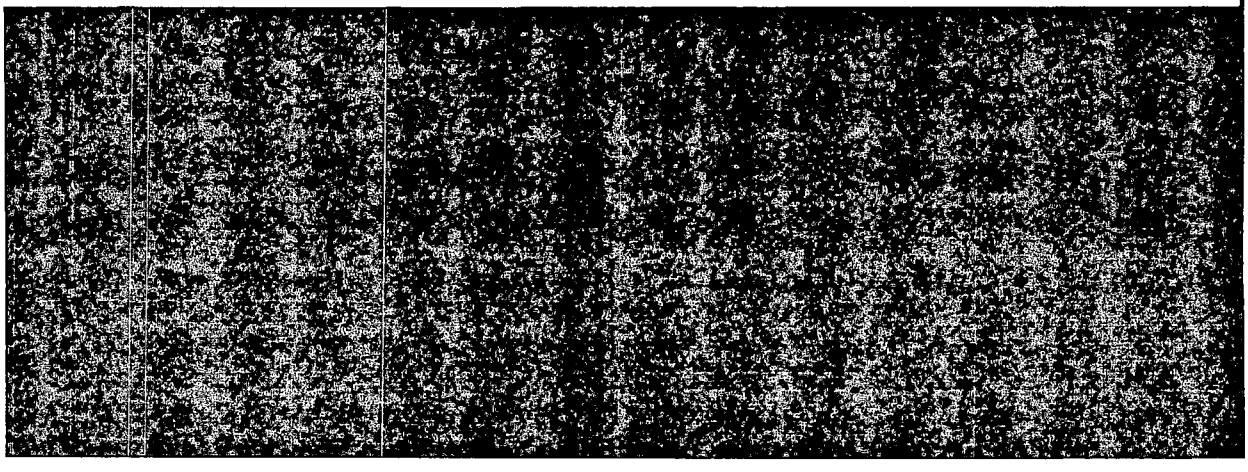


| | |
|---|---|
| 0' GL | |
| 20' KB | |
| 40' | 20" CONDUCTOR |
| 454' | 8-5/8" 32# J55 CSG<br>12-1/4" HOLE |
| 5050' | DV tool |
| 6150' | 5-1/2" 15.5# J-55 CSG |
| 6557' | 5-1/2" 17# L80 MRKR JT |
| **7038-298' OA** | **LBC Perfs** |
| 7098' | 5-1/2" 17# L80 MRKR JT |
| **7194'** | **TOP PERF INTERVAL** |
| | **PERF 7194-7204' "Y"** |
| 7204' | 1 SPF 0° PHSG 10 SHOTS |
| 7279' | **PERF 7279-89' "Z"** |
| 7289 | 1 SPF 0° PHSG 10 SHOTS |
| 7370' | 5-1/2" Lokset Ext/Int nickel plated pk w/ 2-7/8" J55 Seal Tite IPC Tbg |
| **7388-460' OA** | **Avalon Perfs** |
| 7420' | **PERF 7420-30' AVALON**<br>2 JSPF 0° PHSG |
| **7430'** | **BOTTOM PERF INTERVAL** |
| **7505'** | **PBTD** |
| 7509' | FC |
| 7596' | 5-1/2" 15.5# L-80 CSG |
| 7600' | 7-7/8" HOLE |

**PBTD:** 7505'
**TD:** 7600'

Updated: 12/30/2009
Author: ezg
Engr: JBB

d30-015-33859



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DEC 28 2009

BOPCO WTD PRODUCTION

**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:

December 23 2009

That the cost of publication is **$56.64** and that payment thereof has been made and will be assessed as court costs.

Kathy McCarroll

Subscribed and sworn to before me this

23rd day of December, 2009

Deborah Dobson

My commission Expires on 1/25/2010

Notary Public

OFFICIAL SEAL
DEBRA E DOBSON
NOTARY PUBLIC
STATE OF NEW MEXICO
1/25/2010

*December 23, 2009*

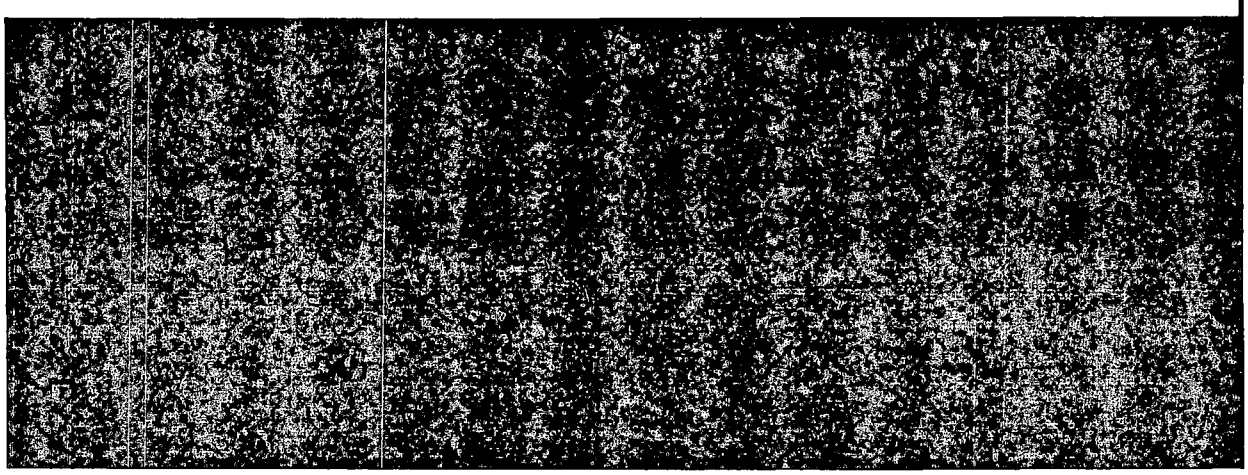
NOTICE OF APPLICATION FOR SALT WATER DISPOSAL WELL PERMIT

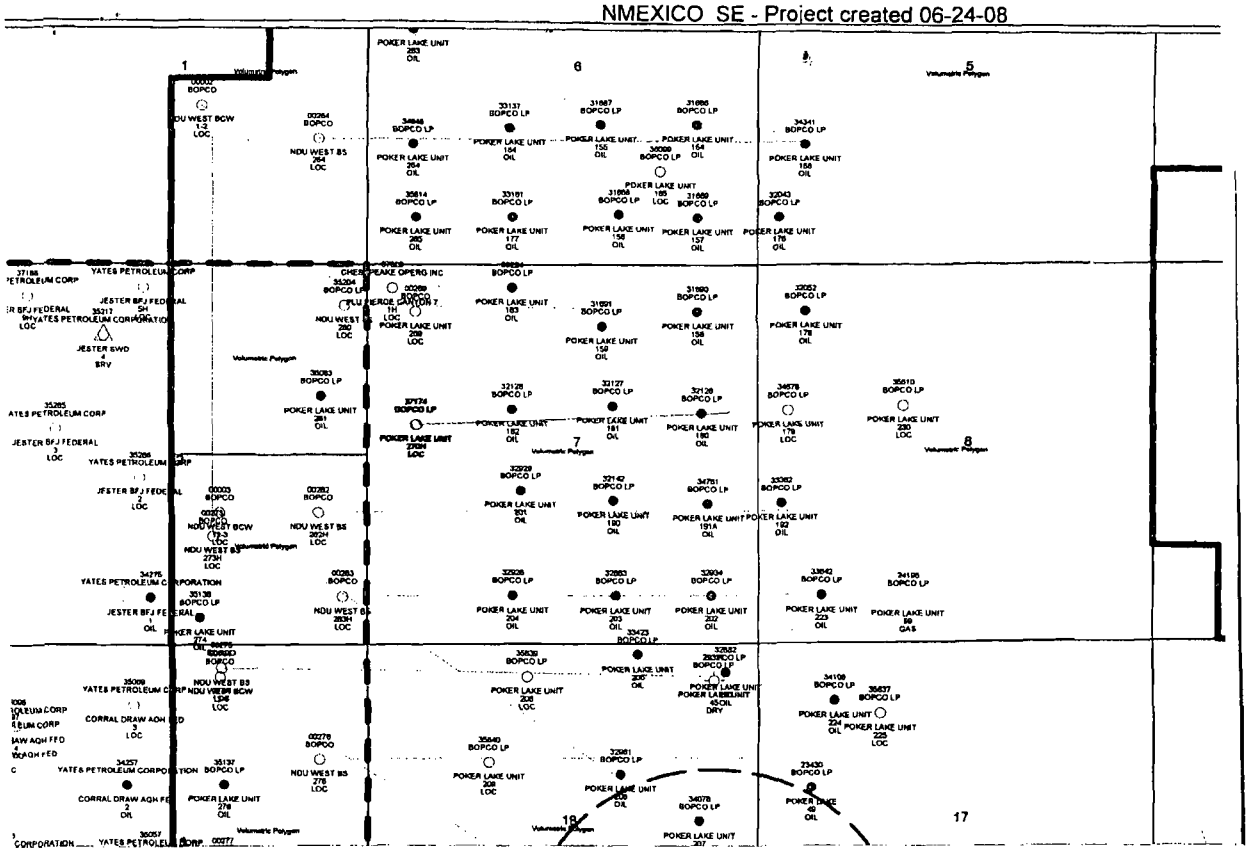
BOPCO, L.P. has applied to the New Mexico Oil Conservation Division for a permit to dispose of produced salt water or other oil and gas waste into a porous formation productive of oil or gas.

The applicant proposes to dispose of produced water or other oil and gas waste into the Poker Lake Unit #213 (Delaware Formation). The maximum injection pressure will be 1,408 psi and the maximum rate will be 2,500 bbls produced water/day. The proposed disposal well is located 9 miles east of Malaga, New Mexico in Section 18, T24S, R30E, Eddy County, New Mexico. The produced salt water will be disposed at a subsurface depth of 7,038'-7,460'.

Any questions concerning this application should be directed to Sandra J. Belt, Regulatory Clerk, BOPCO, L.P., P.O. Box 2760, Midland, Texas 79702-2760, (432) 683-2277 (ext. 149).

Interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 S. St. Francis Dr., Santa Fe, New Mexico 87505 within 15 days.




POKER LAKE UNIT
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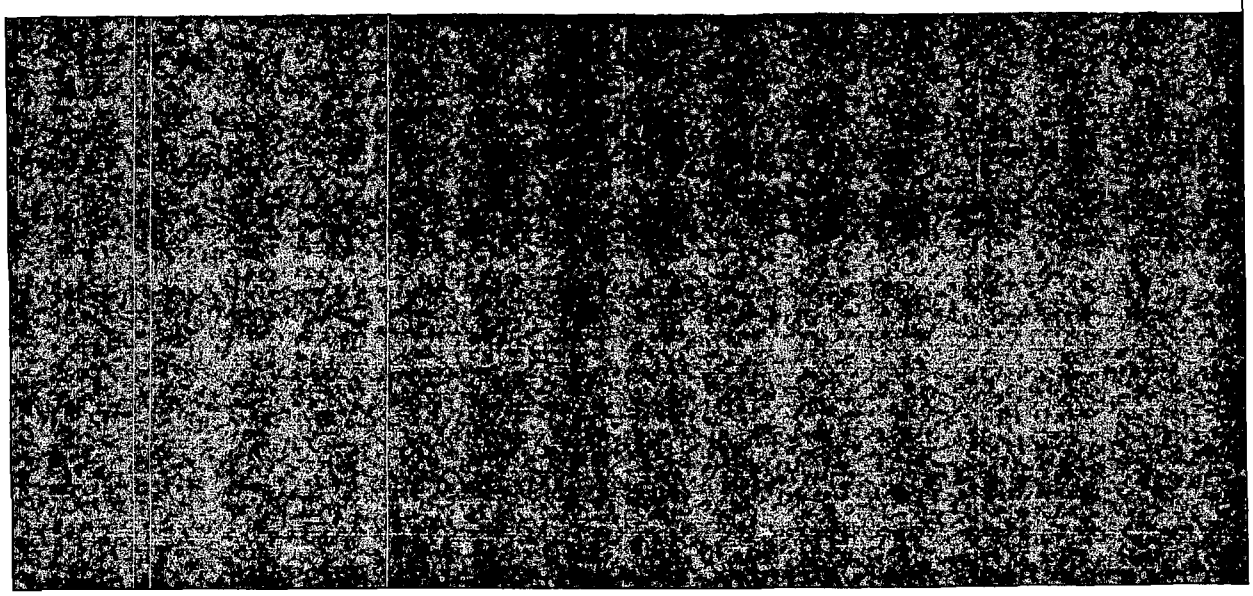
BOPCO LP
YATES PETROLEUM CORP
CHESAPEAKE OPERG INC
JESTER BFJ FEDERAL
NDU WEST BS
NDU WEST BCW
CORRAL DRAW AQH FED
Volumetric Polygon



LEASE: POKER LAKE UNIT WELL #: 213

FIELD: NASH DRAW DELAWARE

LOCATION: 860' FSL & 660' FEL, SECTION 18, T24S, R30E

COUNTY: EDDY ST: NM API: 30-015-33859

**PROPOSED**

**KB:** 3215'
**GL:** 3195'
**SPUD DATE:** 1/13/2005
**COMP DATE:** 2/22/2005

### *SURFACE CASING*

| | | |
|---|---|---|
| **SIZE:** | 8-5/8" | |
| **WT/GRD:** | 32# | J-55 |
| **CSA:** | 454' | |
| **SX:** | 100 / 200 | PBCZ / PREM+ |
| **SX:** | 560 | PREM+ |
| **CIRC:** | Y | W/O RETURNS |
| **TOC:** | SURF | TOP OUT |
| **HOLE SIZE:** | 12-1/4" | 0-454' |

### *PRODUCTION CASING*

| | | |
|---|---|---|
| **SIZE:** | 5-1/2" (orig csg cut & replaced 5050') | |
| **WT/GRD:** | 15.5# J55 | 0-6150' |
| **WT/GRD:** | 15.5# L80 | 6150-7596' |
| **CSA:** | 7596' | |
| **SX:** | 2799 sx POZ C | 50 sx Class C |
| **CIRC:** | Y | |
| **TOC:** | Surface | 500 sx 35/65 Pozby Top Out |
| **HOLE SIZE:** | 7-7/8" | 454-7600' |

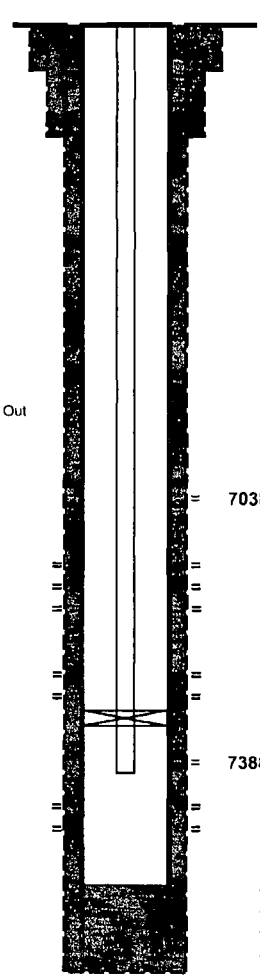
### *TUBING DATA*

### *RODS & PUMP DATA*

### *PERFORATION DATA*

02/05 **PERF 7420-30' AVALON** LOAD CSG W/ 16 bbls 2% KCl. BD perfs w/ 870#. Pmp spot acid away w/ 20 bbls 2% KCl @ 4 BPM & 800#. ISIP 750#. F/ 154.7kg PW + 26.7k# 14/30 LITE PROP + 3k# 16/30 SUPER LC. FLUSH W/ 7kg FW. LOST TTL 320 BPW TO PERFS.

03/05 **PERF 7279-89 "Z", 7194-7204' "Y"** F: 20.7kg PW+73kg Lightening 2500+15.9k# 14/30 Lite Prop+185k# 16/30 Ottawa+105k# 16/30 Super LC



0' GL
20' KB
40' 20" CONDUCTOR

454' 8-5/8" 32# J55 CSG
12-1/4" HOLE

5050' DV tool

6150' 5-1/2" 15.5# J-55 CSG

6557' 5-1/2" 17# L80 MRKR JT

**7038-298' OA LBC Perfs**

7098' 5-1/2" 17# L80 MRKR JT

**7194' TOP PERF INTERVAL**
**PERF 7194-7204' "Y"**
1 SPF 0° PHSG 10 SHOTS
7204'

7279' **PERF 7279-89' "Z"**
7289 1 SPF 0° PHSG 10 SHOTS
7370' 5-1/2" Lokset Ext/Int nickel plated pk w/ 2-7/8" J55 Seal Tite IPC Tbg

**7388-460' OA Avalon Perfs**

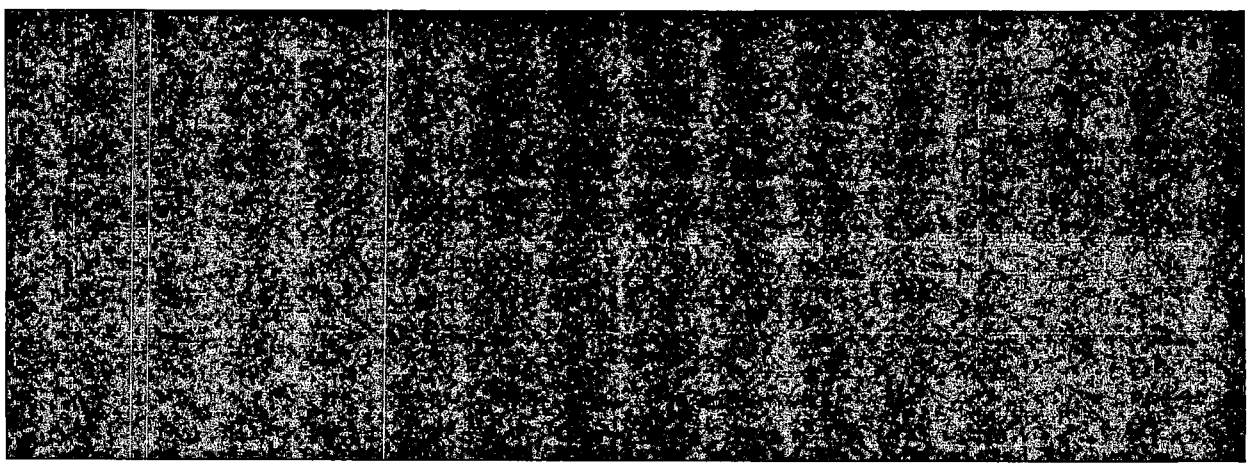
7420' **PERF 7420-30' AVALON**
2 JSPF 0° PHSG
**7430' BOTTOM PERF INTERVAL**

**7505' PBTD**
7509' FC
7596' 5-1/2" 15.5# L-80 CSG
7600' 7-7/8" HOLE

**PBTD: 7505'**
**TD: 7600'**

Updated: 1/15/2010
Author: ezg
Engr: JBB

d30-015-33859



LEASE: POKER LAKE UNIT WELL #: 213

FIELD: NASH DRAW DELAWARE

LOCATION: 860' FSL & 660' FEL, SECTION 18, T24S, R30E

COUNTY: EDDY ST: NM API: 30-015-33859

* CURRENT *

KB: 3215'
GL: 3195'
SPUD DATE: 1/13/2005
COMP DATE: 2/22/2005

### SURFACE CASING

| | | |
|---|---|---|
| SIZE: | 8-5/8" | |
| WT/GRD: | 32# | J-55 |
| CSA: | 454' | |
| SX: | 100 / 200 | PBCZ / PREM+ |
| SX: | 560 | PREM+ |
| CIRC: | Y | W/O RETURNS |
| TOC: | SURF | TOP OUT |
| HOLE SIZE: | 12-1/4" | 0-454' |

### PRODUCTION CASING

| | | |
|---|---|---|
| SIZE: | 5-1/2" (orig csg cut & replaced) | |
| WT/GRD: | 15.5# N80 | 0-5050' |
| WT/GRD: | 15.5# L80 | 6150-7596' |
| CSA: | 7596' | |
| SX: | 845 | PREM+ |
| CIRC: | Y | |
| TOC: | 3337' | TS FIELD EST |
| HOLE SIZE: | 7-7/8" | 454-7600' |

### TUBING DATA

(227 JTS) 2-7/8" 6.5# J55
2-7/8" BAKER TAC @ 7056'
(11 JTS) 2-7/8" 6.5# J55
MSN @ 7397'
2-7/8" PERF SUB
(1 JT) 2-7/8" 6.5# J55 TBG W BP & COLLAR

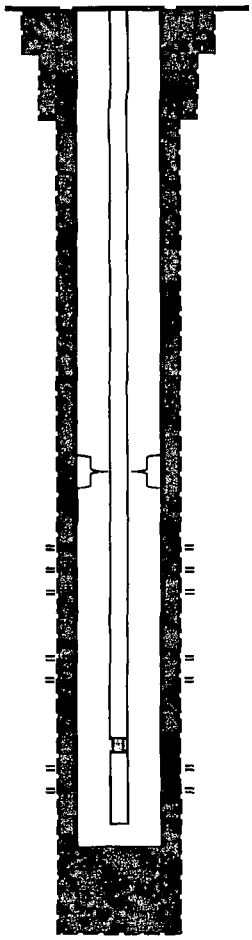
### RODS & PUMP DATA

2000 1" TENARIS D RODS
2750' 7/8" TENARIS D RODS
2450' 3/4" TENARIS D RODS
1-1/2" PUMP

### PERFORATION DATA

02/05 **PERF 7420-30' AVALON** LOAD CSG W/ 16 bbls 2% KCl. BD perfs w/ 870#. Pmp spot acid away w/ 20 bbls 2% KCl @ 4 BPM & 800#. ISIP 750#. F/ 154.7kg PW + 26.7k# 14/30 LITE PROP + 3k# 16/30 SUPER LC. FLUSH W/ 7kg FW. LOST TTL 320 BPW TO PERFS.

03/05 **PERF 7279-89 "Z", 7194-7204' "Y"** F: 20.7kg PW+73kg Lightening 2500+15.9k# 14/30 Lite Prop+185k# 16/30 Ottawa+105k# 16/30 Super LC

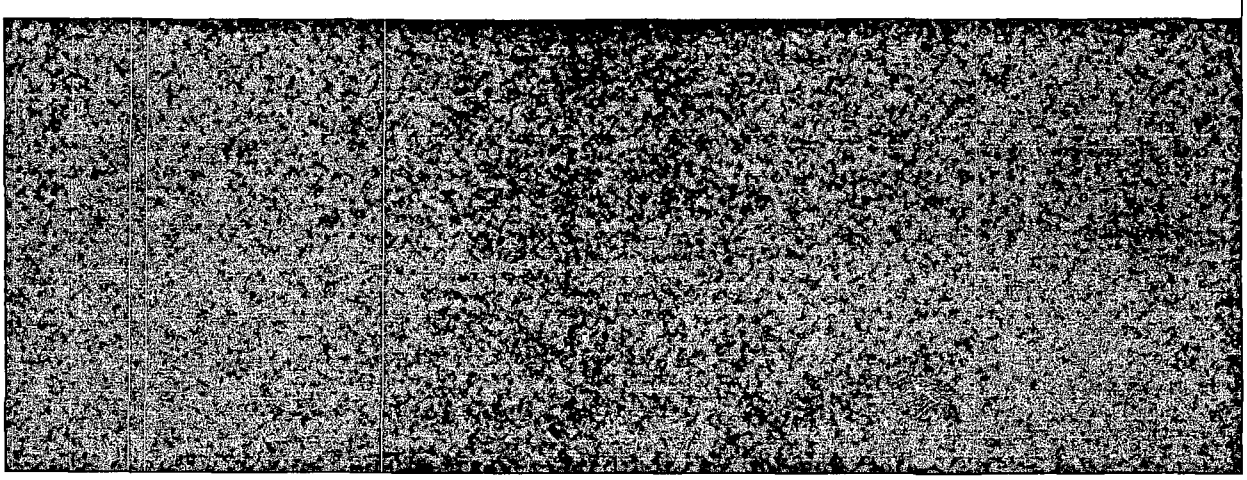


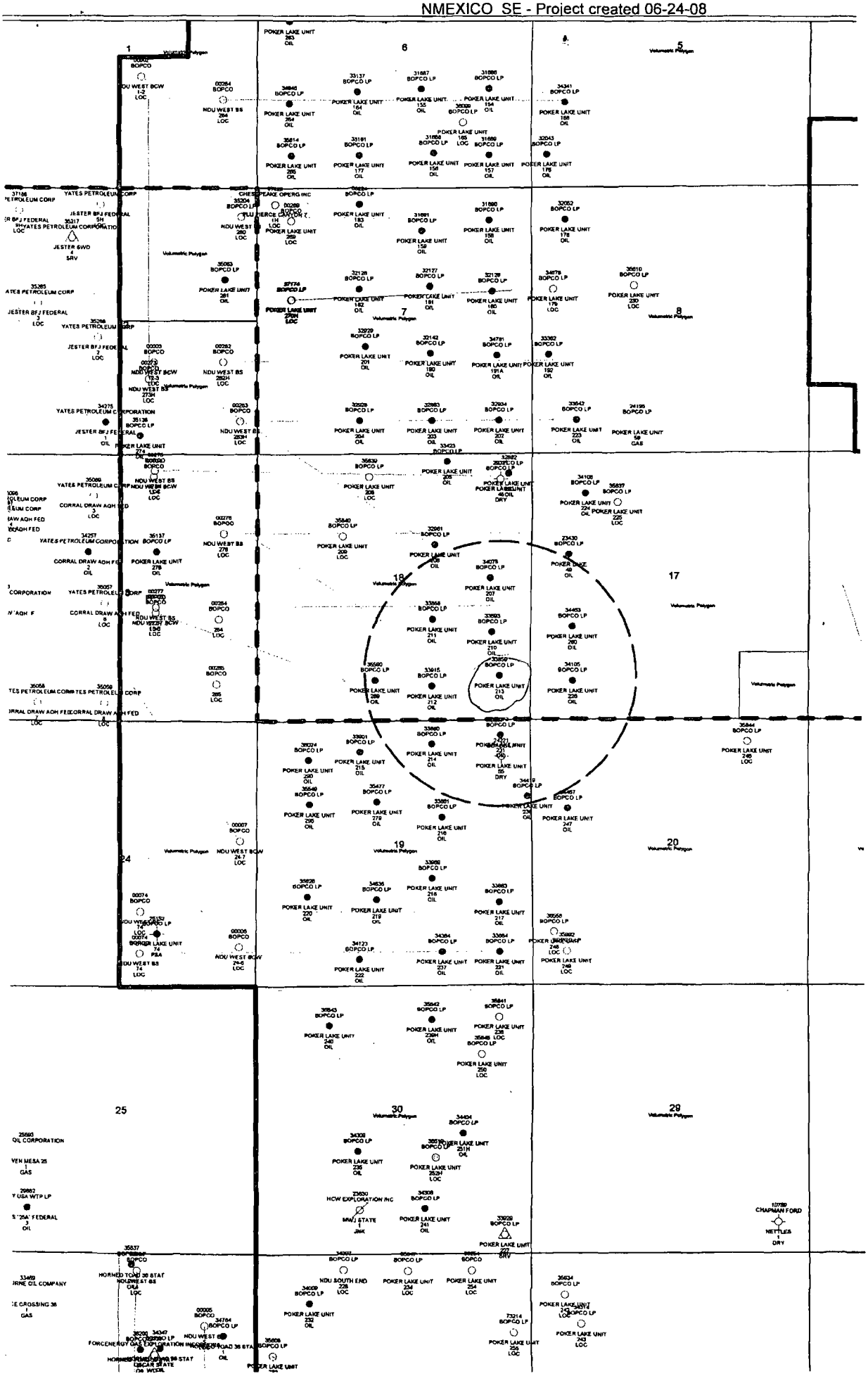
| | |
|---|---|
| 0' GL | |
| 20' KB | |
| 40' | 20" CONDUCTOR |
| 454' | 8-5/8" 32# J55 CSG<br>12-1/4" HOLE |
| 5050' | DV tool |
| 6150' | 5-1/2" 15.5# J-55 CSG |
| 6557' | 5-1/2" 17# L80 MRKR JT |
| 7056' | TAC |
| 7098' | 5-1/2" 17# L80 MRKR JT |
| **7194'** | **TOP PERF INTERVAL** |
| | **PERF 7194-7204' "Y"** |
| 7204' | 1 SPF 0° PHSG 10 SHOTS |
| 7279' | **PERF 7279-89' "Z"** |
| 7289 | 1 SPF 0° PHSG 10 SHOTS |
| **7397'** | MSN |
| 7420' | **PERF 7420-30' AVALON** |
| | 2 JSPF 0° PHSG |
| **7430'** | **BOTTOM PERF INTERVAL** |
| 7433' | **EOT** |
| **7505'** | **PBTD** |
| 7509' | FC |
| 7596' | 5-1/2" 15.5# L-80 CSG |
| 7600' | 7-7/8" HOLE |

PBTD: 7505'
TD: 7600'

Updated: 12/30/2009
Author: ezg
Engr: JBB

d30-015-33859

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Volumetric Polygon
POKER LAKE UNIT
BOPCO LP
NDU WEST BCW
NDU WEST BS
YATES PETROLEUM CORP
JESTER BFJ FEDERAL
CORRAL DRAW AQH FED
CHESAPEAKE OPERG INC
HCW EXPLORATION INC
FORCENERGY GAS EXPLORATION INC
HORNED TOAD 36 STAT
CHAPMAN FORD
NETTLES
DRY

PROPOSED ADVERTISEMENT

*Case No.* 14461 *:*

***Application of BOPCo, L.P. for approval of a water disposal well, Eddy County, New Mexico.*** Applicant seeks an order approving water disposal into the Avalon zone of the Nash Draw-Delaware/Bone Spring Avalon Sand Pool at a depth of 7038-7460 feet subsurface in the Poker Lake Unit Well No. 213, located 860 feet from the south line and 660 feet from the east line of Section 18, Township 24 South, Range 30 East, NMPM. The well is located approximately 7 miles east-southeast of Harroun, New Mexico.