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2010 SEP -7 P 12:46

August 31, 2010

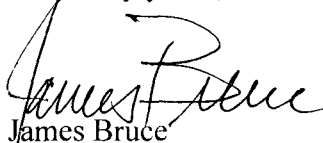
Case 14552

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 waterflood project, together with a proposed advertisement. The advertisement has also been e-mailed to the Division. Please set this matter for the September 30, 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

**APPLICATION OF BOPCO, L.P. FOR APPROVAL
OF A PILOT WATERFLOOD PROJECT IN THE
DELAWARE FORMATION IN THE POKER LAKE
UNIT, EDDY COUNTY, NEW MEXICO.**

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Case No.

14552

APPLICATION

BOPCO, L.P. applies for an order approving a pilot waterflood project in the Poker Lake Unit, and in support thereof, states:

1. Applicant proposes to convert to injection the following wells located in Township 24 South, Range 30 East, N.M.P.M., Eddy County, New Mexico:

(a) The Poker Lake Unit Well No. 150, located in Unit A of Section 6. A Form C-108 for the well is attached hereto as Exhibit A;

(b) The Poker Lake Unit Well No. 151, located in Unit B of Section 6. A Form C-108 for the well is attached hereto as Exhibit B;

(c) The Poker Lake Unit Well No. 162, located in Unit C of Section 6. A Form C-108 for the well is attached hereto as Exhibit C; and

(d) The Poker Lake Unit Well No. 166, located in Unit D of Section 5. A Form C-108 for the well is attached hereto as Exhibit D.

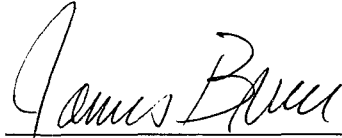
2. Injection will be into the Nash Draw-Delaware/Bone Spring Avalon Sand Pool at the approximate depths of 6950-7300 feet subsurface.

3. The wells are within the Poker Lake Unit, which covers 69,990.83 acres of land, more or less, in Eddy County.

4. The purpose of the injection is to institute a pilot waterflood project for the Poker Lake Unit, and 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,

A handwritten signature in cursive script, appearing to read "James Bruce", is written over a horizontal line.

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

Attorney for BOPCO, L.P.

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
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 ☒ 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.).
- EXHIBIT A
- *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: _____

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 No.	API	Operator	Type	Location	Surface Casing	Intermediate Casing	Production Casing	Tubing	Spud Date	Comp Date	TD	Perforations	Stimulation
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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 N: 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 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.
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 as type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well according to logging detail.

Well Name	No.	APN	Owner	Type	Location	Surface Casing	Intermediate Casing	Production Casing	Tubing	Spool	Dump	TD	Perforations	Stimulation
PU 14	30-015-31007	BOPECOL LP	Producer		660 FSL & 810' FEL, Sec. 4, T24S, R20E	8-5/8" @ 525' CTS, C228 H	NA	5-1/2" @ 710'; C465 H, 15' 21/8"	2 1/8" @ 412/2000	5912/2000	7400'	5910'-7215'	500 gph 15% HCl acid w/ additive; time w/ 56,185 gal Vining 20 + 204,228' 1620 Brandy + 48,584 CR-4000	
PU 148	30-015-31148	BOPECOL LP	Producer		660 FSL & 210' FEL, Sec. 4, T24S, R20E	8-5/8" @ 525' CTS, C228 H	NA	5-1/2" @ 710'; C465 H, 15' 21/8"	2 1/8" @ 412/2000	5912/2000	7400'	5910'-7215'	500 gph 15% HCl acid w/ additive; time w/ 56,185 gal Vining 20 + 204,228' 1620 Brandy + 48,584 CR-4000	
PU 151	30-015-31095	BOPECOL LP	Producer		590 FSL & 1100' FEL, Sec. 4, T24S, R20E	8-5/8" @ 525' CTS, C228 H	NA	5-1/2" @ 710'; C465 H, 15' 21/8"	2 1/8" @ 412/2000	5912/2000	7400'	5910'-7215'	500 gph 15% HCl acid w/ additive; time w/ 56,185 gal Vining 20 + 204,228' 1620 Brandy + 48,584 CR-4000	
PU 152	30-015-31415	BOPECOL LP	Producer		590 FSL & 850' FEL, Sec. 4, T24S, R20E	8-5/8" @ 525' CTS, C228 H	NA	5-1/2" @ 710'; C465 H, 15' 21/8"	2 1/8" @ 412/2000	5912/2000	7400'	5910'-7215'	500 gph 15% HCl acid w/ additive; time w/ 56,185 gal Vining 20 + 204,228' 1620 Brandy + 48,584 CR-4000	
PU 153	30-015-31412	BOPECOL LP	Producer		590 FSL & 850' FEL, Sec. 4, T24S, R20E	8-5/8" @ 525' CTS, C228 H	NA	5-1/2" @ 710'; C465 H, 15' 21/8"	2 1/8" @ 412/2000	5912/2000	7400'	5910'-7215'	500 gph 15% HCl acid w/ additive; time w/ 56,185 gal Vining 20 + 204,228' 1620 Brandy + 48,584 CR-4000	
PU 154	30-015-31696	BOPECOL LP	Producer		590 FSL & 1080' FEL, Sec. 4, T24S, R20E	8-5/8" @ 525' CTS, C228 H	NA	5-1/2" @ 710'; C465 H, 15' 21/8"	2 1/8" @ 412/2000	5912/2000	7400'	5910'-7215'	500 gph 15% HCl acid w/ additive; time w/ 56,185 gal Vining 20 + 204,228' 1620 Brandy + 48,584 CR-4000	
PU 155	30-015-31647	BOPECOL LP	Producer		590 FSL & 1100' FEL, Sec. 4, T24S, R20E	8-5/8" @ 525' CTS, C228 H	NA	5-1/2" @ 710'; C465 H, 15' 21/8"	2 1/8" @ 412/2000	5912/2000	7400'	5910'-7215'	500 gph 15% HCl acid w/ additive; time w/ 56,185 gal Vining 20 + 204,228' 1620 Brandy + 48,584 CR-4000	
PU 161	30-015-31314	BOPECOL LP	Producer		660 FSL & 220' FEL, Sec. 4, T24S, R20E	8-5/8" @ 525' CTS, C228 H	NA	5-1/2" @ 710'; C465 H, 15' 21/8"	2 1/8" @ 412/2000	5912/2000	7400'	5910'-7215'	500 gph 15% HCl acid w/ additive; time w/ 56,185 gal Vining 20 + 204,228' 1620 Brandy + 48,584 CR-4000	
PU 162	30-015-35512	BOPECOL LP	Producer		660 FSL 185' FEL, Sec. 4, T24S, R20E	8-5/8" @ 525' CTS, C228 H	NA	5-1/2" @ 710'; C465 H, 15' 21/8"	2 1/8" @ 412/2000	5912/2000	7400'	5910'-7215'	500 gph 15% HCl acid w/ additive; time w/ 56,185 gal Vining 20 + 204,228' 1620 Brandy + 48,584 CR-4000	
PU 163	30-015-34483	BOPECOL LP	Producer		1080' FSL & 230' FSL, Sec. 4, T24S, R20E	8-5/8" @ 525' CTS, C228 H	NA	5-1/2" @ 710'; C465 H, 15' 21/8"	2 1/8" @ 412/2000	5912/2000	7400'	5910'-7215'	500 gph 15% HCl acid w/ additive; time w/ 56,185 gal Vining 20 + 204,228' 1620 Brandy + 48,584 CR-4000	
PU 164	30-015-31790	BOPECOL LP	Producer		1100' FSL & 1080' FEL, Sec. 4, T24S, R20E	8-5/8" @ 525' CTS, C228 H	NA	5-1/2" @ 710'; C465 H, 15' 21/8"	2 1/8" @ 412/2000	5912/2000	7400'	5910'-7215'	500 gph 15% HCl acid w/ additive; time w/ 56,185 gal Vining 20 + 204,228' 1620 Brandy + 48,584 CR-4000	

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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

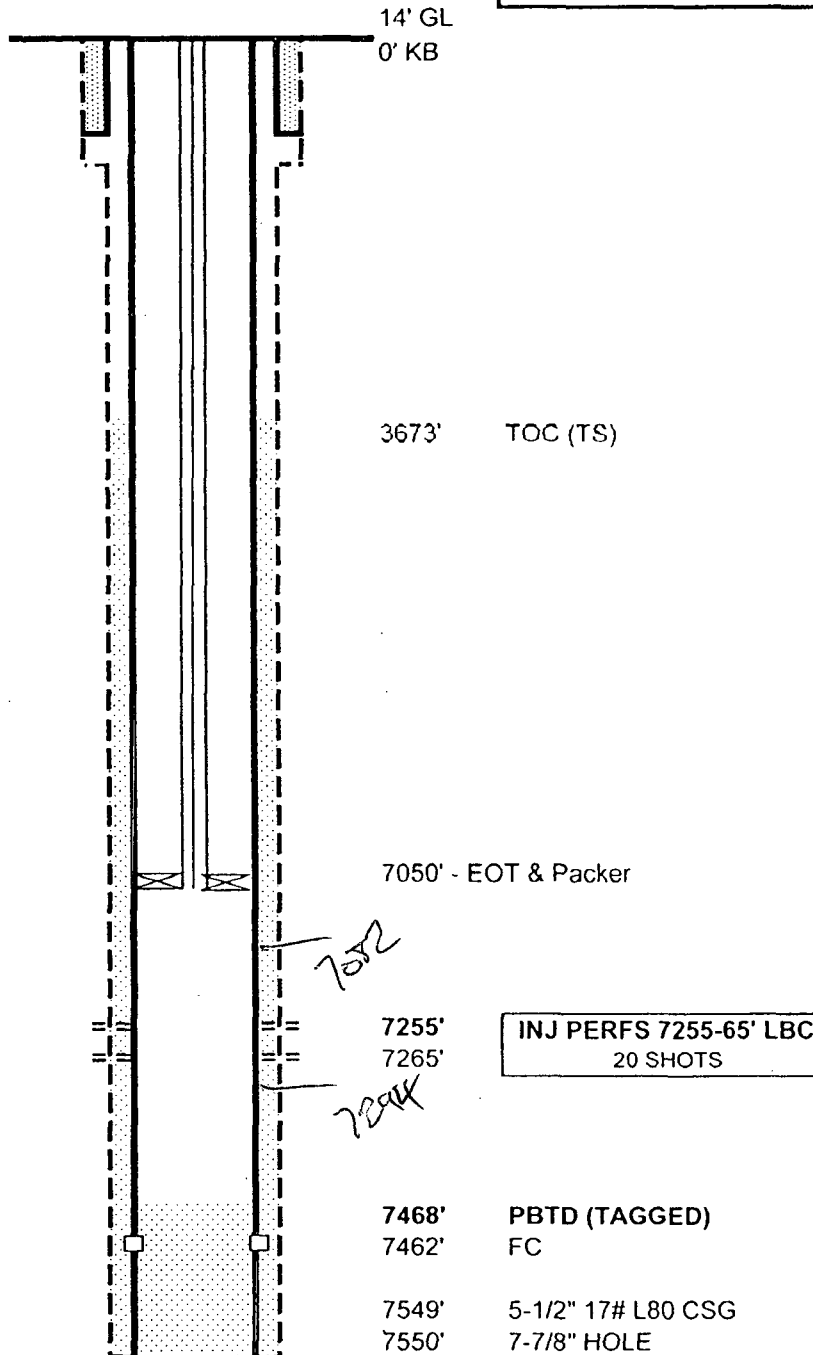
SIZE: 5-1/2"
 WT/GRD: 15.5# J55 0-6263'
 WT/GRD: 17# L80 6263-7549'
 CSA: 7,549
 SX: 725 PREM+
 CIRC: Y
 TOC: 3673' TS
 HOLE SIZE: 7-7/8" 600-7550'

TUBING DATA

2-7/8" J-55 Seal Tite IPC tbg 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.



PBTD: 7468'
 TD: 7550'

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



Downhole Profile - Vertical Well

Well ID: 30-015-31538

Field: Nash Draw - Delaware

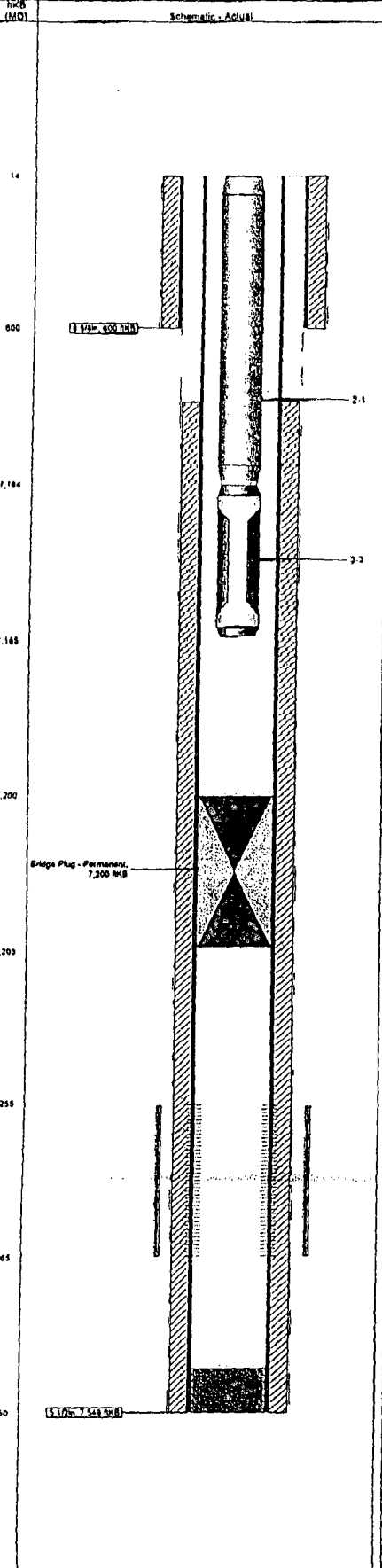
BOPCO, L.P. - st Texas

Well Name: Poker Lake Unit #150

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

Surface Location: 760' FNL & 810' FEL

Well Control Vertical - Original Hole 3/12/2010 1:22:07 PM



Well Information									
Original KB Elevation (ft)	3,279.00	Ground Elevation (ft)	3,265.00	KB-Ground Distance (ft)	14.00	Spud Date	4/8/2001	On Production Date	5/4/2001
Wellbores									
Wellbore Name: Original Hole		Click OR Depth (ftKB):							
Size (in)	11	Act Top (ftKB)	14.0	Act Btm (ftKB)	600.0				
	7 7/8		600.0		7,550.0				
Casing Strings									
Casing Description	Wellbore	OD (in)	WT (lb/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									
Part 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 - Production	Run Date	String Length (ft)		Set Depth (ftKB)					
	3/26/2010	7,151.00		7,165.0					
No.	Item Description	JIS	OD (in)	WT (lb/ft)	Grade	Top (ftKB)			
2-1	2-7/8" 6.5 ppi J-55 BRD Tubing	225	2 7/8	6.50	J-55	14.00			
2-2	2 7/8" Mechanical Sealing 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	4.0	7,200.0	7,203.0					
Cement									
Surface Casing Cement, 4/8/2001									
String: Surface, 600.0HKB									
Cement Evaluation Results:									
Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Cmnt Rtn (bb)	Top Measurement Method					
1	14.0	600.0	10.0	Volume Calculations					
Fluid		Amount (sacks)	Class	Density (lb/gal)	Yield (ft ³ /sack)				
Lead		100		12.40	1.87				
Tail		109		14.80	1.35				
Production Casing Cement, 4/19/2001									
String: Production, 7,549.0HKB									
Cement Evaluation Results:									
Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Cmnt Rtn (bb)	Top Measurement Method					
1	3,673.0	7,550.0	0.0	Volume Calculations					
Fluid		Amount (sacks)	Class	Density (lb/gal)	Yield (ft ³ /sack)				
Lead		725		14.50	1.39				
Cement Plug, 4/19/2001									
String: Production, 7,549.0HKB									
Cement Evaluation Results:									
Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Cmnt Rtn (bb)	Top Measurement Method					
1	7,550.0	7,550.0		Volume Calculations					
Fluid		Amount (sacks)	Class	Density (lb/gal)	Yield (ft ³ /sack)				
Cement Plug		25							

UNIT

RENUDA

PER)

GRAND

FORTY-NINER RIDGE, SW

REMUDA BASIN

BASS ENT.

GREEN

MIDLAND MAP

DOUGLASS

CORRAL DRAW

Well no. 230 spotted in Sec. 5 should be

FO 754

St. con.

LS 4140
BEPD
Poker Lake UH
Poker Lake UH

7680

O175

LOT 1

LOT 2

LOT 3

LOT 4

LOT 5

LOT 6

LOT 7

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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.

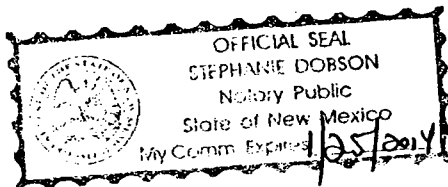
Kathy McCarroll

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

Stephanie Dobson

My commission expires 1/25/2014

Notary Public



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
Moloka, 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.

RECEIVED
APR 30 2010
BOPCO WTD PRODUCTION

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.).
- EXHIBIT B
- *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: _____

EXHIBIT **B**

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 #: 151 30-015-31595
 Section: 6
 Township: 24S
 Range: 30E
 Footage: 510' FNL 1980; FEL

2) Casing Info:

Casing size	Set depth	Sacks cmt	Hole size	TOC	Method
8-5/8" 24# WC-50 STC/J55	575'	195	11"	Surface	Circulated
5-1/2" 15.5/17#; K55/ J55; L80/LTC	7,430	650	7-7/8"	3,100'	TS

3) Tubing to be used (size, lining material, setting depth):
 2-7/8" 6.5# J-55 Seal Tite IPC tbg set @ 7000'.

4) Name, model, and depth of packer to be used:
 5-1/2" Lokset Nickel Plated EXT/INT PC Pkr set @ 7000'.

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:
 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 @ 7298"

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	Construction	Production Casing	Tubing	Spud Date	Comp Date	TD	Perforations	Simulation
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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: **1,500 average, 2,000 maximum BWPD**
2. Whether the system is open or closed: **closed**
3. Proposed average and maximum injection pressure: **1405 psi average, 1405 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 Detail: **Sand, Shale**

Geological Name: **Delaware Mountain Group**

Thickness: **3753'**

Depth: **3544-7297'**

The Rustler Formation is a known source of fresh water throughout this geographic area. Average depth of Rustler is 8-612'. No sources of fresh water are known to exist below the proposed disposal zone.

- IX. Describe the proposed stimulation program, if any:

The new perms 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.

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.

[illegible]

PLU	202	Never Drilled
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100	100	100

PROPOSED WELLBORE

LEASE: POKER L E UNIT

WELL #: 151

FIELD: NASH DRAW DELAWARE

LOCATION: 510' FNL & 1980' FEL, SEC 6, T24S, R30E

COUNTY: EDDY

ST: NM

API: 30-015-31595

KB: 3258'

GL: 3245'

SPUD DATE: 4/20/2001

COMP DATE: 5/2/2001

SURFACE CASING

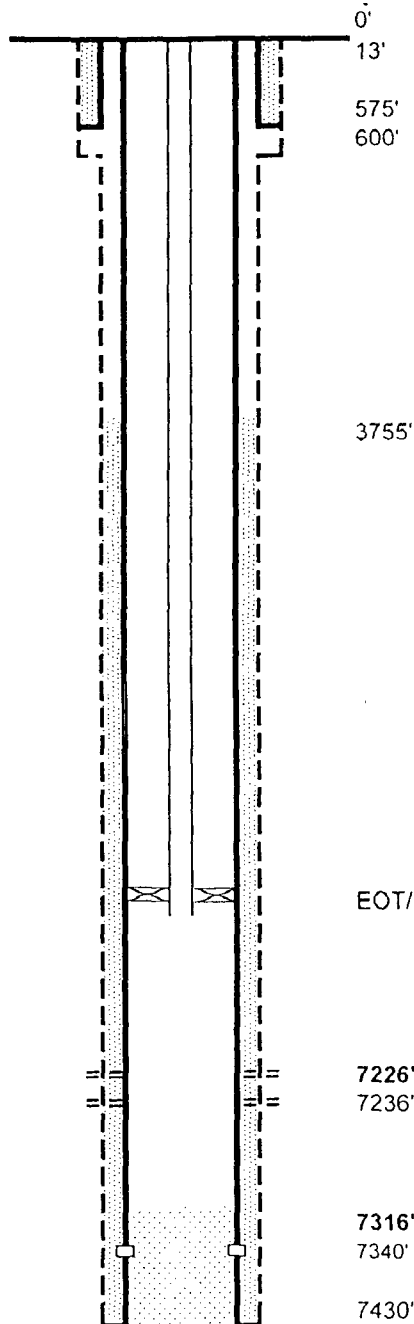
SIZE: 8-5/8"
WT/GRD: 24# WC-50
CSA: 575'
SX: 90/105 PERF/PREM+
CIRC: Y
TOC: SURF
HOLE SIZE: 11" 0-600'

PRODUCTION CASING

SIZE: 5-1/2"
WT/GRD: 15.5# K55 0-4086'
WT/GRD: 15.5# J55 4086-6091'
WT/GRD: 17# L80 6091-7430'
CSA: 7430'
SX: 650 PREM+ 601 W/N2
CIRC: Y
TOC: 3755' TS
HOLE SIZE: 7-7/8" 600-7430'

PERFORATION DATA

05/01 PERF 7226-36' S: 750g 7-1/2% HCL
acid. F: 68kg Viking 30+150.5k# 16/30 Brady
sd + 40k# 16/30 RCS.



0'
13'
575'
600'
GL
KB
8-5/8" 24# CSG
11" HOLE

3755' TOC (TS)

EOT/PKR 7000'

7226'
7236'

PERF LBC "Y" 7226-36'
20 SHOTS

7316'
7340'

PBTD
FC

7430'
7430'
5-1/2" 17# L-80 CSG
7-7/8" HOLE

PBTD: 7316'
TD: 7430'
7406' (LOG)

Updated: 5/18/2010
Author: crm
Engr: CCC

LEASE: POKER L E UNITWELL #: 151FIELD: NASH DRAW DELAWARELOCATION: 510' FNL & 1980' FEL, SEC 6, T24S, R30ECOUNTY: EDDYST: NMAPI: 30-015-31595

KB: 3258'

GL: 3245'

SPUD DATE: 4/20/2001

COMP DATE: 5/2/2001

SURFACE CASING

SIZE: 8-5/8"
 WT/GRD: 24# WC-50
 CSA: 575'
 SX: 90/105 PERF/PREM+
 CIRC: Y
 TOC: SURF
 HOLE SIZE: 11" 0-600'

PRODUCTION CASING

SIZE: 5-1/2"
 WT/GRD: 15.5# K55 0-4086'
 WT/GRD: 15.5# J55 4086-6091'
 WT/GRD: 17# L80 6091-7430'
 CSA: 7430'
 SX: 650 PREM+ 601 W/N2
 CIRC: Y
 TOC: 3755' TS
 HOLE SIZE: 7-7/8" 600-7430'

TUBING DATA

(219 JTS) 2-7/8" J-55 TBC

TAC @ 6969'

(9 JTS) 2-7/8" J-55 TBC

SS BLAST SUB

SN W/ STRAINER @ 7261'

ROD & PUMP DATA

2050' 1" UPCO 50 RODS

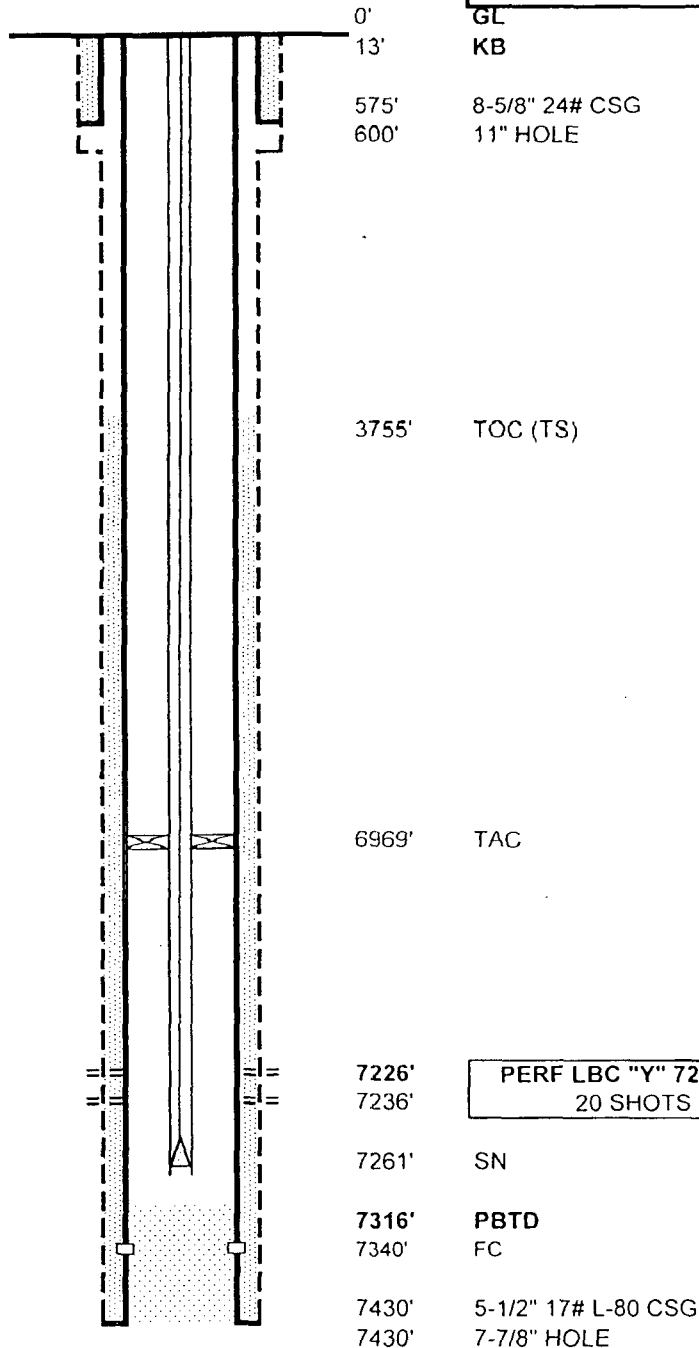
2125' 7/8" UPCO 50 RODS

3050' 3/4" UPCO 50 RODS

1-1/2" RHBM-BDV PUMP

PERFORATION DATA

05/01 PERF 7226-36' S: 750g 7-1/2% HCL
 acid. F: 68kg Viking 30+150.5k# 16/30 Brady
 sd + 40k# 16/30 RCS.



PBTD: 7316'

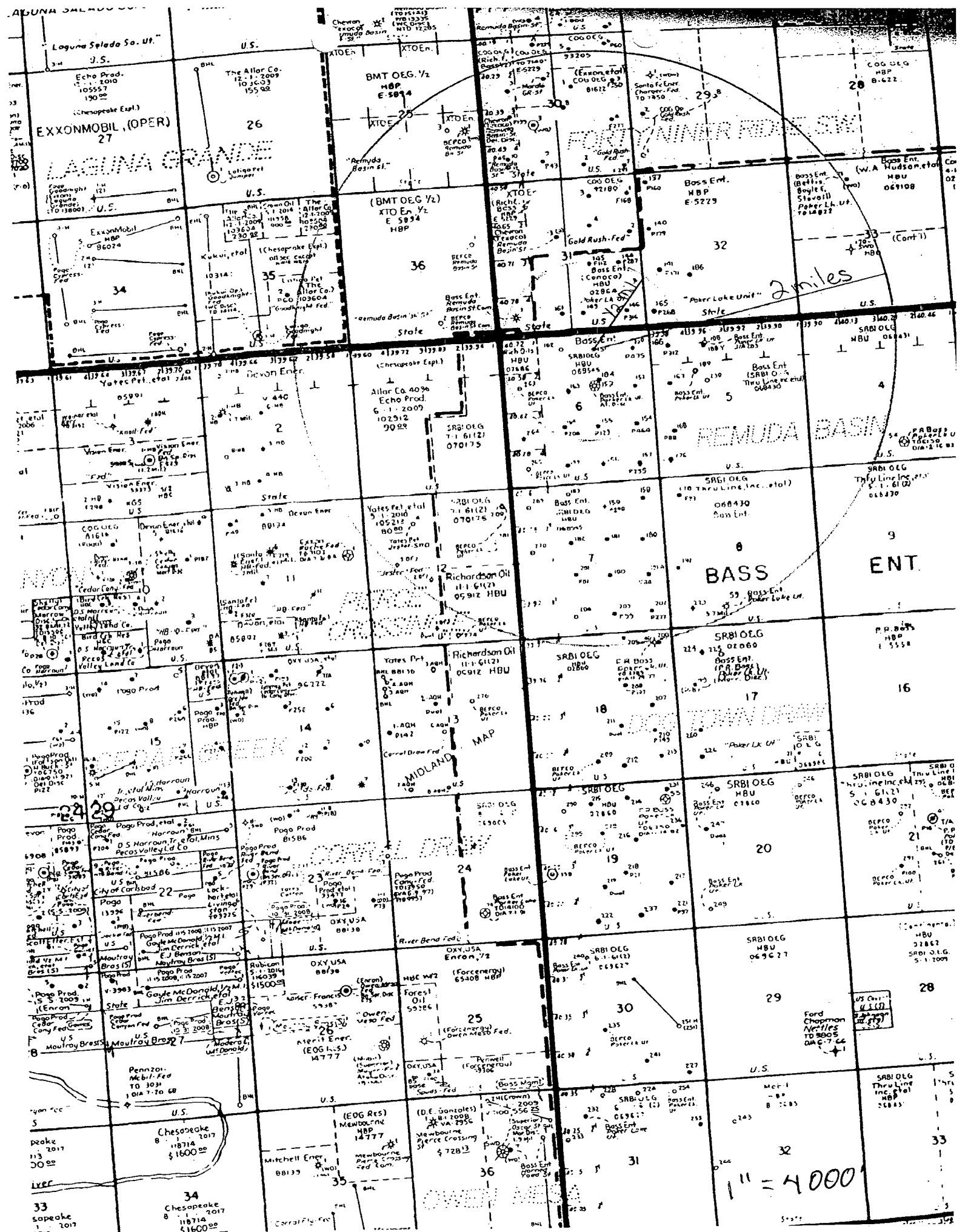
TD: 7430'

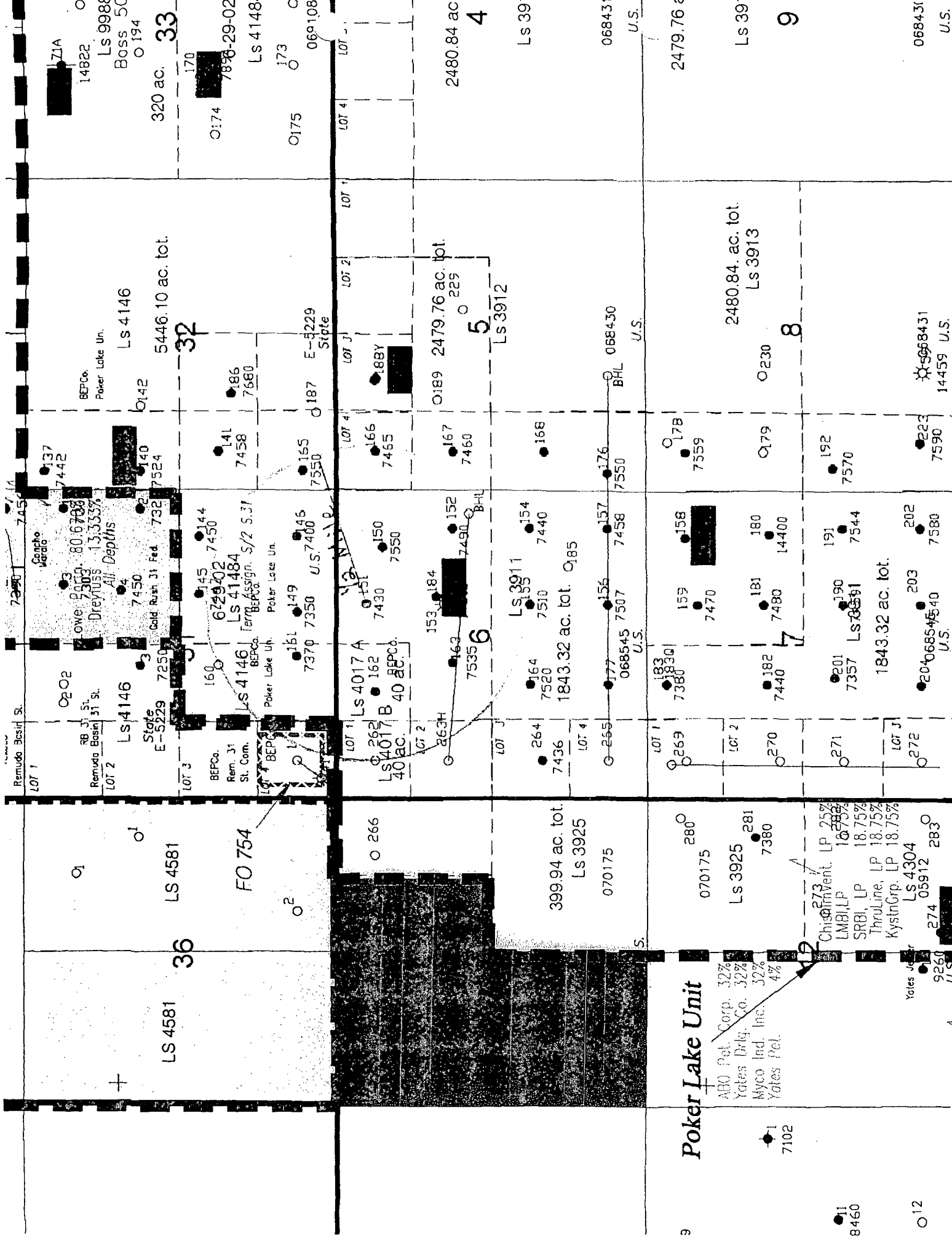
7406' (LOG)

Updated: 10/10/2005

Author: KRA

Engr: MLL





Poker Lake Unit

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

Chisomvent LP 25%
LMBI, LP 16.75%
SRBI, LP 18.75%
ThruLine, LP 18.75%
KystnGrp. LP 18.75%
LS 4304
05912 283
274
Yates Ind. 9260
115

LS 4581 36

LS 4581

FO 754

O²

O 266

399.94 ac. tot.
LS 3925

070175

070175

LS 3925

281
7380

273
Chisomvent LP 25%
LMBI, LP 16.75%
SRBI, LP 18.75%
ThruLine, LP 18.75%
KystnGrp. LP 18.75%
LS 4304
05912 283
274
Yates Ind. 9260
115

7102

8460

012

5446.10 ac. tot.

32

LS 4146

O142

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7680

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7550

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7465

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7460

188Y

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2479.76 ac. tot.

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LS 3912

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LS 4148

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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
#151 (Delaware For-
mation). The maxi-
mum injection pres-
sure will be 1405 psi
and the maximum
rate will be 2,000 bbls
produced water/day.
The proposed dispos-
al well is located 7
miles northeast of
Malaga, New Mexico
in Section 6, T24S,
R30E, Eddy County,
New Mexico. The
produced salt water
will be disposed of a
subsurface depth of
7,028 - 7,294'.

Any questions con-
cerning this applica-
tion should be direct-
ed to Sandra Bell,
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

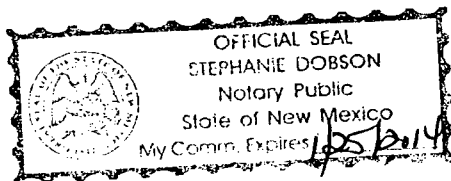
That the cost of publication is \$57.35 and that
payment thereof has been made and will be
assessed as court costs.

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

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:
- EXHIBIT C
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:

Well #: 162 30-015-35522
 Section: 6
 Township: 24S
 Range: 30E
 Footage: 660' FNL & 1855 FWL

Poker Lake Unit

2) Casing Info:

Casing size	Set depth	Sacks cmt	Hole size	TOC	Method
8-5/8" 32# STC/J55	680	500	12-1/4	Surface	Circulated
5-1/2" 15.5/17# J-55	7,407	1,790	7-7/8"	Surface	Circulated

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

2-7/8" 6.5# J-55 Seal Tite IPC tbg set @ 6,950' (1,000' IPC tbg between packers)

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

5-1/2" Lokset Nickel Plated EXT/INT PC Pkr set @ 5,950' and 6,950'.

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 6,966' - 7,218'; 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:

CIBP @ 7,372'; Will set a CIBP @ 7300' w/35' cement on top over perfs @ 7324-7345';
 PBTD @ 7,265', perfs @ 6030-6040' between packers @ 5950' and 6950'

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/Avalon @ 7314'

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	Construction Tubing	Spud Date	Comp Date	TD	Perforations	Stimulation
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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: 1,500 average, 2,000 maximum BWPD
2. Whether the system is open or closed: **closed**
3. Proposed average and maximum injection pressure: **1393 psi average, 1393 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 Detail: Sand, Shale
 Geological Name: Delaware Mountain Group
 Thickness: 3,735
 Depth: 3,492 - 7,227'

The Rustler Formation is a known source of fresh water throughout this geographic area. Average depth of Rustler is 410 - 667'
 No sources of fresh water are known to exist below the proposed disposal zone.

- IX. Describe the proposed stimulation program, if any:
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 hydrologic 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-100 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	Stimulation
PLU	149	30-015-31416	BOPCO, LP	Producer	600' FSL & 2310' FEL, Sec 31; T24S, R30E	8-5/8" @ 500' TOC @ Surf w/275' ss	NA	5-1/2" @ 7350' TOC @ 3400' calc. w/1620' ss & 7212'	2-7/8" @ 7212'	12/15/2000	14/12/2001	7350'	7205-17210'	130 bbls 2% KCl; Frac w/60,922 gals Viking-30 & 180,000# 1630 Brady+60,000# CR-4000
PLU	150	30-015-31538	BOPCO, LP	Converted to dsp. Well	760' FNL & 810' FEL	8-5/8" @ 600'; TOC @ Surf.	NA	5-1/2" @ 7548' TOC @ 3677' TS	2-7/8" @ 7050'	4/8/2001	5/1/2001	7550'	7255-7265'	20 bbls 2% KCl; Frac w/52,322 gals Viking 30+166,000# 1630 Brady SD+65,000 1630 RCS
PLU	151	30-015-31595	BOPCO, LP	Producer	510' FNL & 1980' FEL, Sec 6, T24S, R30E	8-5/8" @ 575' CTS, C7195 ss	NA	5-1/2" @ 7430' C1650 ss, TOC 3100' TS	2-7/8" @ 7103'	8/20/2001	7/5/2001	7430'	7226-7236'	750 gals 7-1/2% HCl acid; Frac w/ 68,069 gals Viking 30 + 190,488 BS
PLU	153	30-015-31412	BOPCO, LP	Producer	1800' FNL & 1980' FEL, Sec 6, T24S, R30E	16" @ 625' CTS, C7180 ss	16-3/4" @ 3576' CTS, C7050 ss	7-5/8" @ 11,450'; C71650 ss, TOC 8150'; 5-1/2" @ 14,513', C7350 ss, TOC 11,127'	2-7/8" @ 14,135'	12/7/2000	4/7/2001	14,515'	12,848'-14,216'	2000 gal 10% HCl, 7500 gal 7-1/2% HCl & 2200 gal 15% Fercheck
PLU	160	Never Drilled												
PLU	161	30-015-31318	BOPCO, LP	Producer	660' FSL & 2310' FEL, Sec 31, T23S, R30E	8-5/8" @ 518' w/290 ss, TOC @ Surf	NA	5-1/2" @ 7370' w/1082 ss; TOC @ 3508'; TS 5,887'	2-7/8" @ 7804'	9/27/2001	10/12/2001	7374'	7166-7176'	7-1/2% NEE HCl, BD perfis @ 11104, 30kg lightning 2500+2K# 1790 Liteprop+69K# 1630 Ottawa = 24K# 1630 CR 4000
PLU	163Q	30-015-34183	BOPCO, LP	Producer	1980' FNL & 2360' FNL, Sec 6, T24S, R30E	8-5/8" @ 800' CTS, C1525 ss, TOC @ Surf	NA	5-1/2" @ 7534', 1085 ss, TOC 3010' (TS)	2-7/8" @ 7804'	3/4/2006	4/2/2006	7535'	6742-7385'	Frac w/ 28,874 gal Lightning 2500 x-linked gel, 62,102# 1630 Ottawa & 19,315 1630 Super LC; 123,119 gal PW + 10,012# 1430 Lite Prop; 122,839 gal PW + 9,966# 1430 Lite Prop
PLU	164Q	30-015-33137	BOPCO, LP	Producer	1980' FSL 1980' FNL, Sec 6, T24S, R30E	8-5/8" @ 810' w/420 ss, TOC Surf		5-1/2" @ 7471' w/550 ss; TOC @ 4580'	2-7/8" @ 7597'	8/23/2005	9/13/2005	7478'	7060-7354'	124,439 gals PW+9,988# 1430 Lite Prop; 124,360 gals PW + 9,912# 1430 Lite Prop
PLU	184	30-015-31990	BOPCO, LP	Producer	1700' FNL & 1850' FEL, Sec 6, T24S, R30E	8-5/8" @ 827' w/550 ss, TOC @ Surf	NA	5-1/2" @ 7470' w/700 ss, 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/100.8kg Viking 3000, 274.4K# 1630 Ottawa Sand 75K# 1630 CR-4000
PLU	262H	30-015-35115	BOPCO, LP	Producer	1894' FNL 674' FNL 13-3/8" Sec 6, T24S, R30E	8-5/8" @ 736' w/740 ss, TOC Surf	5-5/8" @ 3489' w/1650 ss, TOC @ Surf.	5-1/2" 2' 12,292' w/1465 ss, TOC @ 3600'	2-7/8" @ 7697'	10/15/2008	2/17/2009	12,302'	8488'-12,302'	40569 gals Blrac 25 (18690 gals pad)w/100,222# 2040 Super LC @ 2.4, 6.6 ppg stages, Flushed w/12292 gals 10%linear
PLU	266	30-015-31774	BOPCO, LP	Producer	660' FSL 660' FNL, Sec 6, T23S, R30E	13-3/8" @ 528' w/570 ss, TOC @ Surf	9-5/8" @ 3461' w/120 ss, TOC Surf	7" @ 11,329' w/1063 ss; TOC Est @ 3,000'	2-3/8" @ 13,815'	6/10/2001	9/27/2001	14,175'	13565-13788'	Acidized w/4000 gals 7030 10% HCl/8376 gals 2% KCl FW

PROPOSED WELLBORE DIAGRAM

LEASE: POKER LAKE UNIT **WELL #:** 162
FIELD: NASH DRAW (DELAWARE, BS, AVALON SD)
LOCATION: 660' FNL & 1855' FWL, SECTION 6, T24S, R30E
COUNTY: EDDY **ST:** NM **API#** 30-015-35522

KB:	3224
GL:	3206
SPUD DATE:	3/6/2008
COMP DATE:	4/28/2008

X:
Y:
Lat: 32.252028°
Long: 103.923389°

SURFACE CASING

SIZE: 8-5/8"
WT/GRD: 32# J-55
SET @: 680'
SX CMT: 500 sx
CIRC: Yes
TOC: Surface
HOLE SIZE: 12 1/4"

PRODUCTION CASING

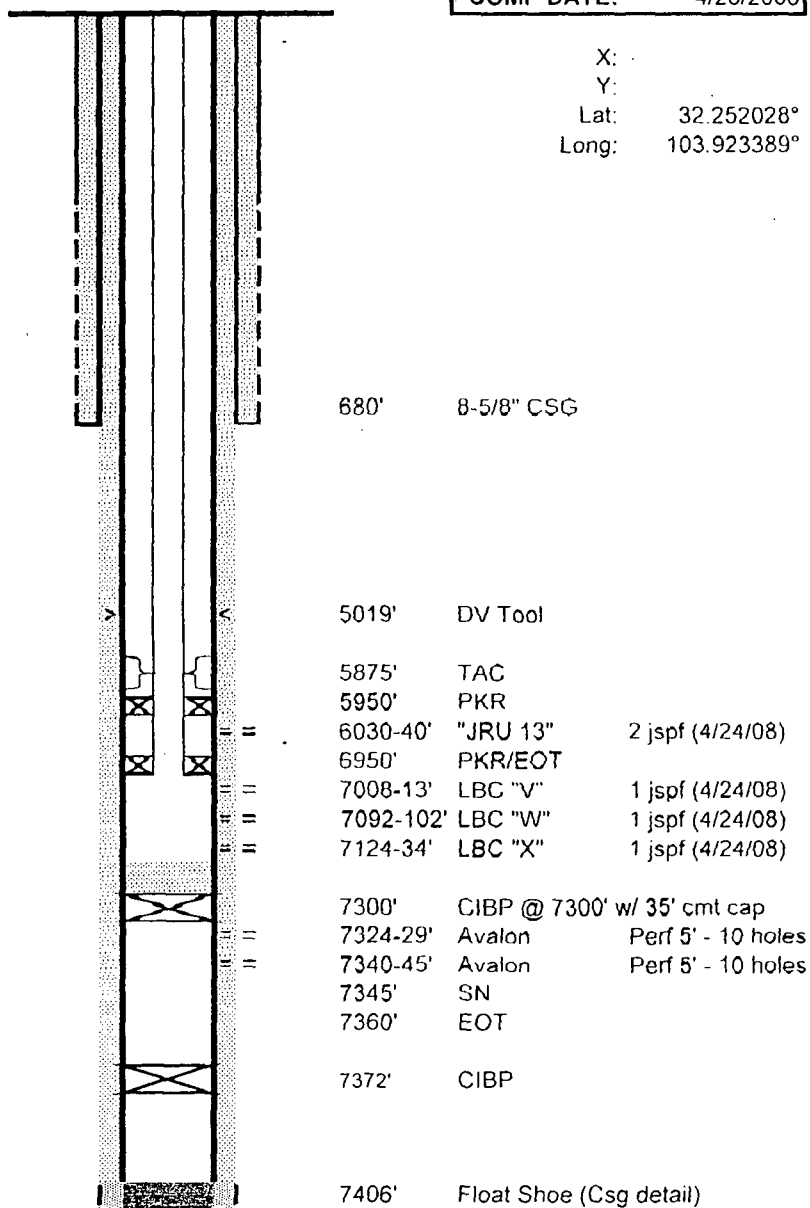
SIZE: 5-1/2"
WT/GRD: 15.5# J-55 17# J-55
Depth: 0 - 6051' 6051' - 7407'
STAGE 1: 390 sx
CIRC: Y 182 sx
TOC: 5018'
STAGE 2: 1400 sx
CIRC: Y 244sx
TOC: Surface
HOLE SIZE: 7-7/8"

TUBING DATA (PER STRIPPINGS)

170 jts 2-7/8" 6.5# J55 tbg, TAC @ 5558.27',
 5 jts 2-7/8" 6.5# J55 tbg, SN @ 5724.06',
 Perf tbg sub, 1 jt 2-7/8" 6.5# J55 tbg

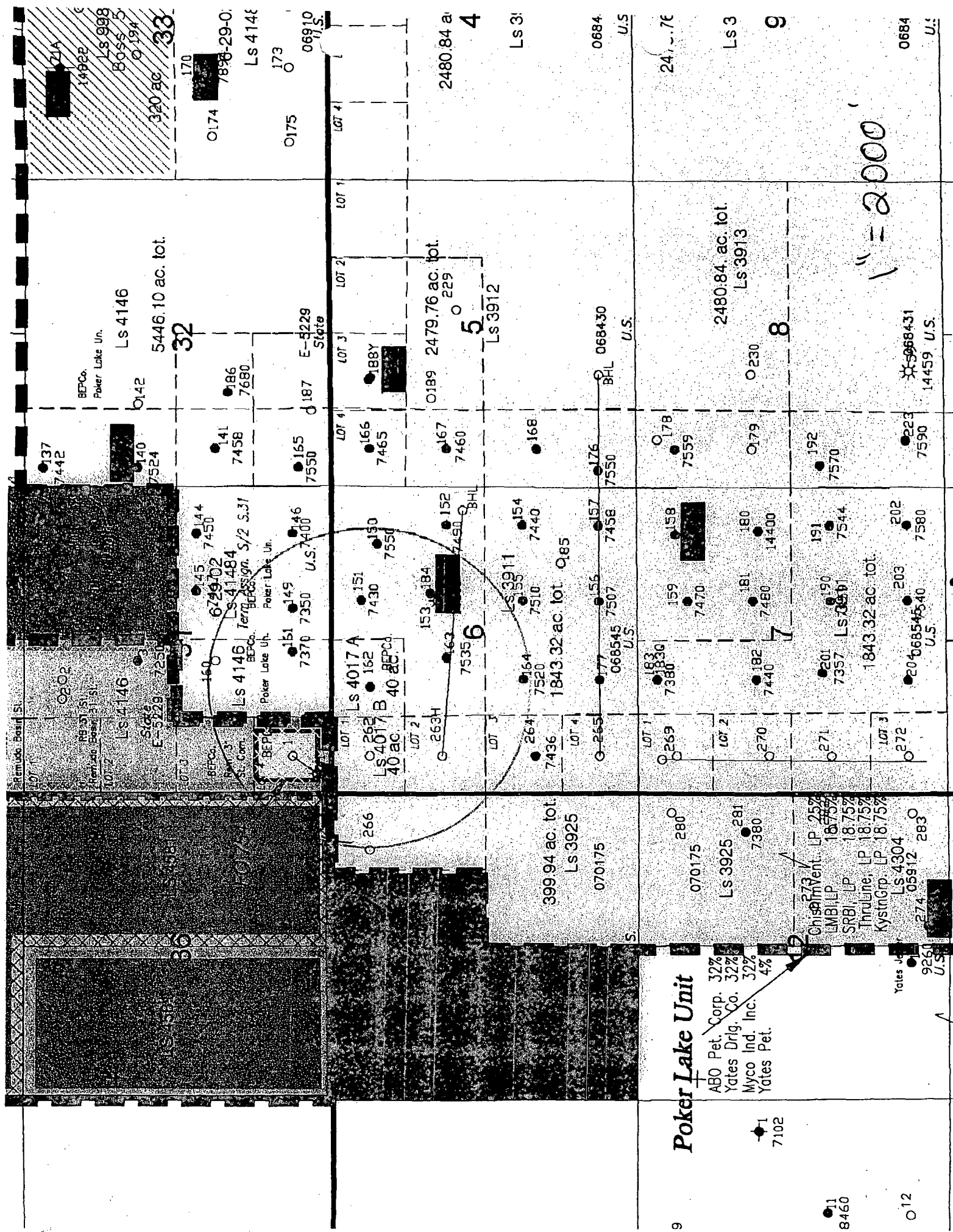
RODS & PUMP

1 pol rod 16' liner, 1 pony, 47 1x25 rods, 68
 7/8X25' rod, 1 1/2 3/4" X 25' rod, 1 lift sub, 1
 2 1/2" X 1 3/4" X 24' RHBM-HVR-TS pmp
 #Y-7809



PBTD: 7360'
TD: 7410' (Driller's TD)

Updated: 4/28/2010
Author: crm/sjb
Engr: CCC



Poker Lake Unit

ABO Pet. Corp. 32%
Yates Drig. Co. 32%
Mycro Ind. Inc. 32%
Yates Pet. 4%

Chisum Vent. LP 25%
LMB LP 18.75%
SRBI LP 18.75%
ThruLine LP 18.75%
KystnGrp LP 18.75%
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05912 283

Yates J...
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1" = 2000'

2480.84 ac. tot.
LS 3913

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1843.32 ac. tot.

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2480.84 ac. tot.

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320 ac. tot.

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LS 4146

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LS 4146

5446.10 ac. tot.

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CURRENT WELLBORE DIAGRAM

LEASE: POKER LAKE UNIT **WELL #:** 162
FIELD: NASH DRAW (DELAWARE, BS, AVALON SD)
LOCATION: 660' FNL & 1855' FWL, SECTION 6, T24S, R30E
COUNTY: EDDY **ST:** NM **API#** 30-015-35522

KB:	3224
GL:	3206
SPUD DATE:	3/6/2008
COMP DATE:	4/28/2008

SURFACE CASING

SIZE:	8-5/8"
WT/GRD:	32# J-55
SET @:	680'
SX CMT:	500 sx
CIRC:	Yes
TOC:	Surface
HOLE SIZE:	12 1/4"

PRODUCTION CASING

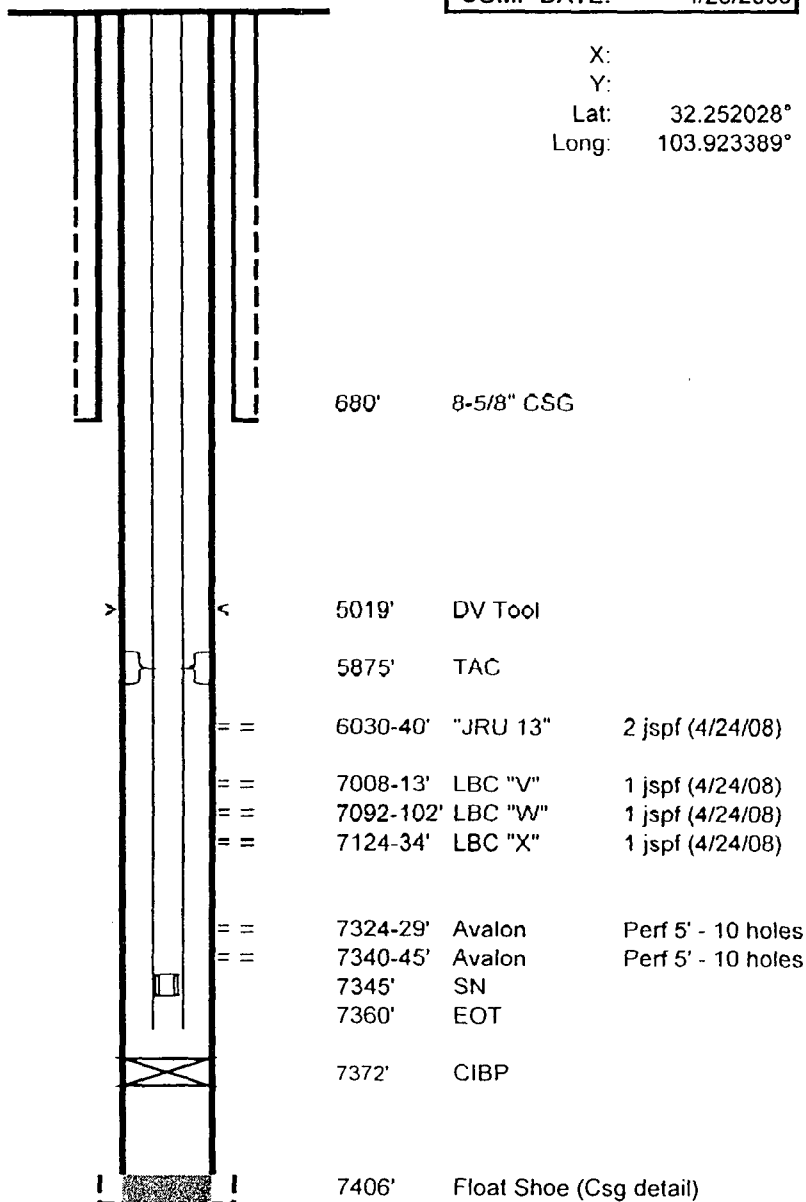
SIZE:	5-1/2"
WT/GRD:	15.5#, J-55 17#, J-55
Depth:	0 - 6051' 6051' - 7407'
STAGE 1:	390 sx
CIRC:	Y 182 sx
TOC:	5018'
STAGE 2:	1400 sx
CIRC:	Y 244sx
TOC:	Surface
HOLE SIZE:	7-7/8"

TUBING DATA (PER STRIPPINGS)

170 jts 2-7/8" 6.5# J55 tbg, TAC @ 5558.27',
5 jts 2-7/8" 6.5# J55 tbg, SN @ 5724.06',
Perf tbg sub, 1 jt 2-7/8" 6.5# J55 tbg

RODS & PUMP

1 pol rod 16' liner, 1 pony, 47 1x25 rods, 68
7/8X25' rod, 112 3/4" X 25' rod, 1 lift sub, 1
2 1/2" X 1 3/4" X 24' RHBM-HVR-TS pmp
#Y-7809



PBTD: 7360'
TD: 7410' (Driller's TD)

Updated: 6/28/2008
Author: ezg
Engr: CCC

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
#162 (Delaware For-
mation). The maxi-
mum injection pres-
sure will be 1393
psi and the maxi-
mum rate will be
2,000 bbls produced
water/day. The pro-
posed disposal well is
located 7 miles north-
east of Malaga, New
Mexico in Section 36,
T24S, R30E, Eddy
County, New Mexico.
The produced salt
water will be dis-
posed of at a subsurface
depth of 6,966 - 7218'.

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

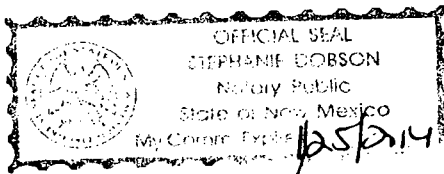
That the cost of publication is \$57.35 and that
payment thereof has been made and will be
assessed as court costs.

Kathy McCarroll

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

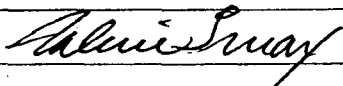
Stefanie Dobson

My commission expires 1/25/2014
Notary Public



RECEIVED
APR 30 2010
BOPCO WTD PRODUCTION

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
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:
- Proposed average and maximum daily rate and volume of fluids to be injected;
 - Whether the system is open or closed;
 - Proposed average and maximum injection pressure;
 - Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation in cases of produced water; and
 - 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.).
- EXHIBIT D
- *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 Admin Assistant
SIGNATURE:  DATE: 05/14/2010
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: _____

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 #: 166
Section: 5
Township: 24S
Range: 30E
Footage: 660' FNL & 660' FWL

- 2) Casing Info:

Casing size	Set depth	Sacks cmt	Hole size	TOC	Method
8-5/8" 24# WC-50 ST&C	575'	325	12-1/4"	Surface	Circulated
5-1/2" 15.5# & 17# K55, L80 LT&C	7462'	630	7-7/8"	3879'	TS

- 3) Tubing to be used (size, lining material, setting depth):
2-7/8" 6.5# J-55 Seal Tite IPC tbg set @ 7,050'.

- 4) Name, model, and depth of packer to be used:
Lokset Nickel Plated EXT/INT PC Pkr set @ 7,050'.

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

- 2) The injection interval and whether it is perforated or open hole:
Additional Delaware perms will be added from 7,091'-7,350' 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 Lower Brushy Canyon (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 perms located at 7280'-7290'.

- 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 Lime @ 7357'

VI. C-108 DATA 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.

PLU	229	30-015-35609	BOPCO. LP	Not Drilled
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VII.

Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected: 1000 average, 2,000 BWPD
2. Whether the system is open or closed: closed
3. Proposed average and maximum injection pressure: 1318 psi average, 1418 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: 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 Sequences
Geological Name:	Delaware Mountain Group
Thickness:	3768'
Depth:	3582-7350'

The Rustler Formation is a known source of fresh water throughout this geographic area. Average depth of Rustler is 382'-526'. No sources of fresh water are known to exist below the proposed disposal zone.

IX.

Describe the proposed stimulation program, if any:

The new perms will be perforated and acidized with approximately 50 gallons 7-1/2% NEFE HCl per foot; 500 gals total.

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 ^{CURRENT}

WELL #: 166

FIELD: NASH DRAW (DELAWARE)

LOCATION: 660' FNL & 660' FWL, SECTION 5, T24S, R30E

COUNTY: EDDY

ST: NM

API: 30-015-31695

KB: 3242'

GL: 3229'

SPUD DATE: 5/21/2001

COMP DATE: 6/21/2001

SURFACE CASING

SIZE: 8-5/8"
WT/GRD: 24# WC50
CSA: 575'
SX: 125/200 PERM/PREM+
CIRC: Y
TOC: SURF
HOLE SIZE: 11" 0-575'

PRODUCTION CASING

SIZE: 5-1/2"
WT/GRD: 15.5# K55 0-6151'
WT/GRD: 17# J55 6151-6693'
WT/GRD: 17# L80 6693-7462'
CSA: 7462'
SX: 600/30 PERM+ WIN2 / C
CIRC: Y
TOC: 3879' TS
HOLE SIZE: 7-7/8" 575-7465'

TUBING

(222 JTS) 2-7/8" 6.5# J55 TUBING

TAC @ 6901'

(13 JTS) 2-7/8" 6.5# J55 TUBING

3' SS TUBING SUB

MSN @ 7317'

RODS & PUMP

1875' 1" WCN-90 STL RODS

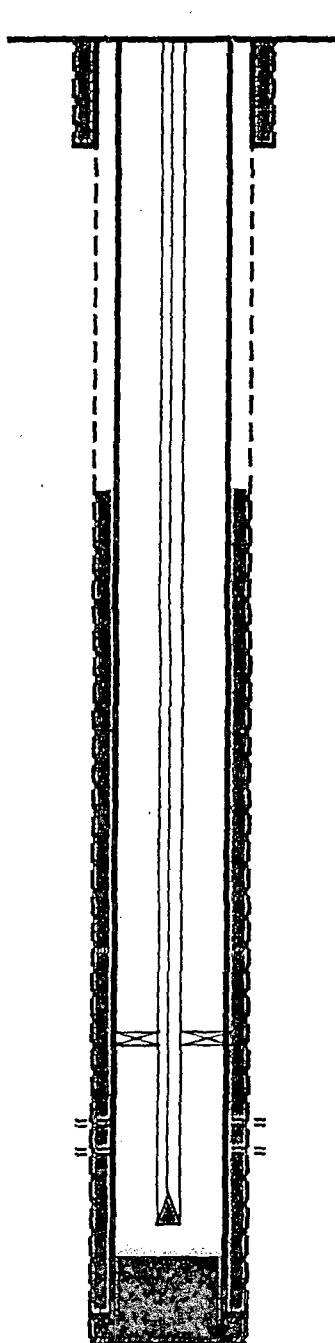
1950' 7/8" WCN-90 STL RODS

3375' 3/4" WCN-90 STL RODS

1-1/2" RHBM-HVR-TS PUMP

PERFORATION DATA

06/01 PERF 7280-90' LBC "Y" BO W/ 750g
7-1/2% HCl. F: 52kg Viking 30+165k# 16/30
Brady sd+60k# 16/30 CR-4000



0' GL
13' KB

575' 8-5/8" 24# WC50 CSG
11" HOLE

3,879' TOC (TS)

6,151' 5-1/2" 15.5# K55

5-1/2" 17# J-55 6151-6693'
6,693' 5-1/2" 17# L-80 MRKR JT

6,901' TAC

7,280' **PERF 7280-90' LBC "Y"**
7,290' **2SPF 0° PHSG (20 SHOTS)**

7,317' MSN

7,389' PBD
7,462' 5-1/2" 17# L80 CSG
7,465' 7-7/8" HOLE

PBTD: 7389'

TD: 7465'

Updated: 12/18/2009

Author: ezg

Engr: CC

PROPOSEDLEASE: **POKER LAKE UNIT**

WELL #: _____

166

FIELD: **NASH DRAW (DELAWARE)**LOCATION: **660' FNL & 660' FWL, SECTION 5, T24S, R30E**COUNTY: **EDDY**ST: **NM**

API: _____

30-015-31695

KB: 3242'

GL: 3229'

SPUD DATE: 5/21/2001

COMP DATE: 6/21/2001

SURFACE CASING

SIZE: 8-5/8"
 WT/GRD: 24# WC50
 CSA: 575'
 SX: 125/200 PERM/PREM+
 CIRC: Y
 TOC: SURF
 HOLE SIZE: 11" 0-575'

PRODUCTION CASING

SIZE: 5-1/2"
 WT/GRD: 15.5# K55 0-6151'
 WT/GRD: 17# J55 6151-6693'
 WT/GRD: 17# L80 6693-7462'
 CSA: 7462'
 SX: 600/30 PERM+ W/N2 / C
 CIRC: Y
 TOC: 3879' TS
 HOLE SIZE: 7-7/8" 575-7465'

TUBING

(222 JTS) 2-7/8" 6.5# J55 TUBING

TAC @ 6901'

(13 JTS) 2-7/8" 6.5# J55 TUBING

3' SS TUBING SUB

MSN @ 7317'

RODS & PUMP

1875' 1" WCN-90 STL RODS

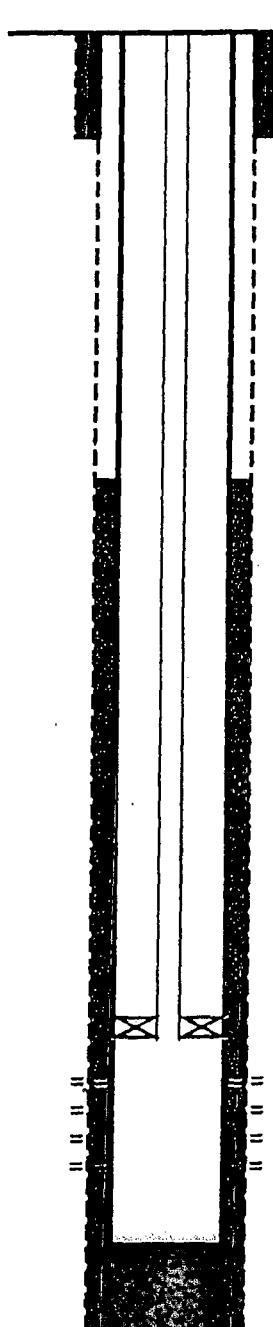
1950' 7/8" WCN-90 STL RODS

3375' 3/4" WCN-90 STL RODS

1-1/2" RHBH-HVR-TS PUMP

PERFORATION DATA

06/01 PERF 7280-90' LBC "Y" BD W/ 750g
 7-1/2% HCl F: 52kg Viking 30+165k# 16/30
 Brady sd+60k# 16/30 CR-4000



0'

GL

13'

KB

575'

8-5/8" 24# WC50 CSG
11" HOLE

3,879'

TOC (TS)

6,151' 5-1/2" 15.5# K55

5-1/2" 17# J-55 6151-6693'

6,693' 5-1/2" 17# L-80 MRKR JT

7050' Lokset Nickel Plated EXT/INT PC Pkr
 2-7/8", 6.5#, J-55 Seal Tite IPC Tbg

7091-7279 OA LBC Perfs

7,280' PERF 7280-90' LBC "Y" 2SPF
 7,290' 0° PHSG (20 SHOTS)

7291-7350 OA LBC Perfs

7,389' PBTD

7,462' 5-1/2" 17# L80 CSG

7,465' 7-7/8" HOLE

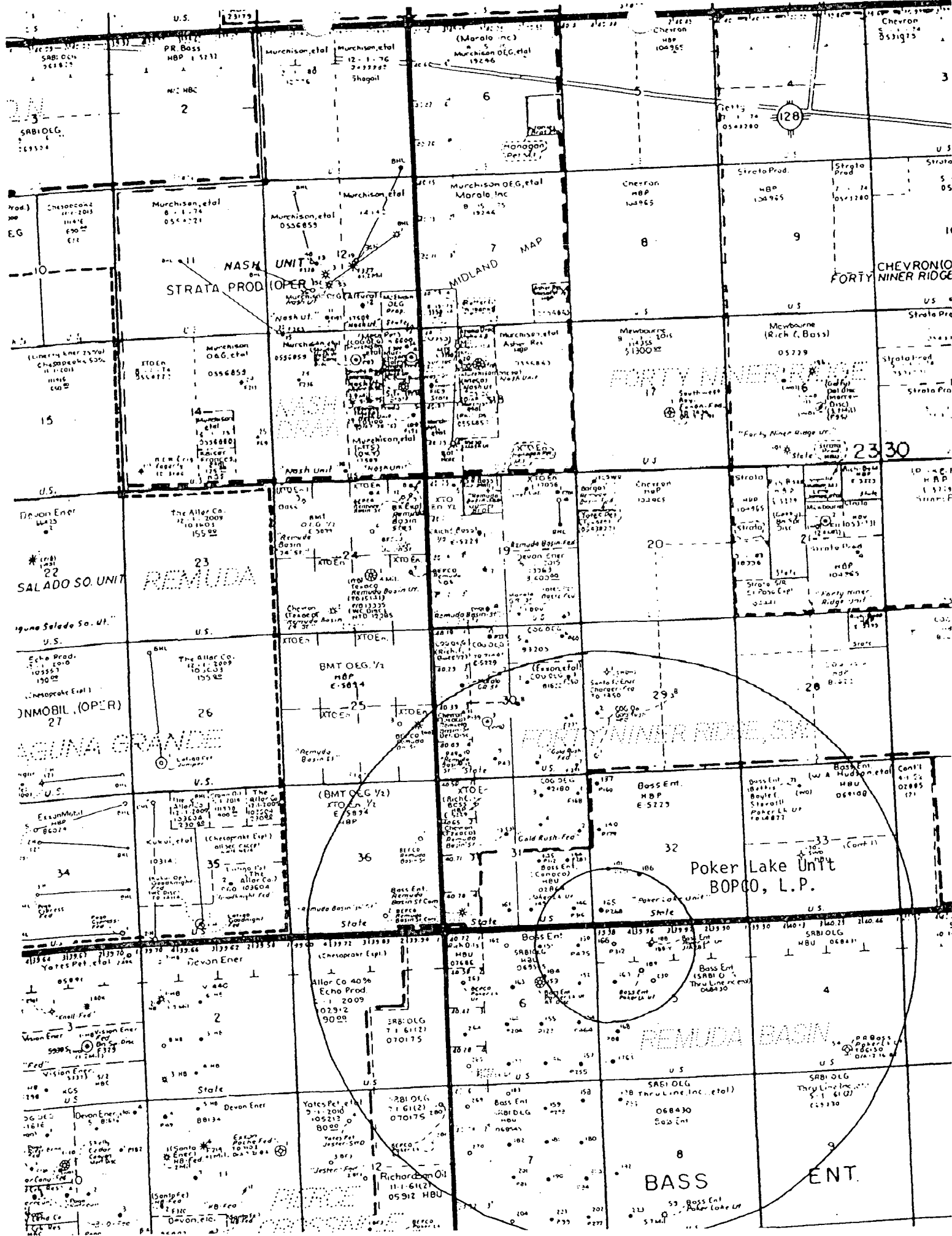
PBTD: 7389'

TD: 7465'

Updated: 1/18/2010

Author: ezg

Engr: CC



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

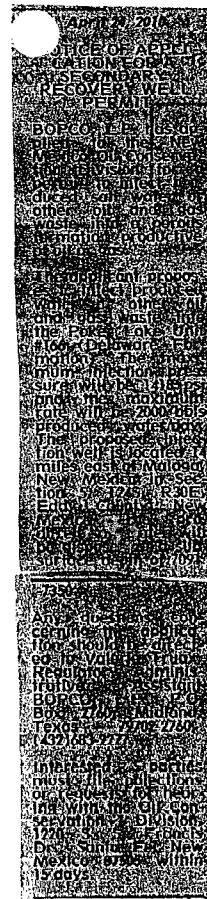
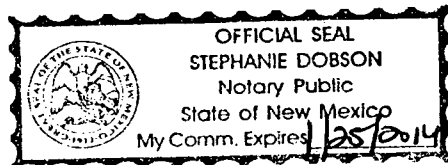
That the cost of publication is **\$58.02** and that payment thereof has been made and will be assessed as court costs.

Kathy McCarroll

Subscribed and sworn to before me
this 24 day of April, 2010

Stephanie Dobson

My commission expires 1/25/2014
Notary Public



RECEIVED
APR 30 2010
BOPCO WTD PRODUCTION

PROPOSED ADVERTISEMENT

Case No. 14552:

Application of BOPCO, L.P. to institute a pilot waterflood project in the Delaware formation in the Poker Lake Unit, Eddy County, New Mexico. Applicant seeks approval to institute a pilot waterflood project in the Poker Lake Unit by the injection of produced water into the Delaware formation at the approximate depths of 6950-7300 feet subsurface in the following four wells located in Township 24 South, Range 30 East, NMPM, Eddy County, New Mexico:

- (a) The Poker Lake Unit Well No. 150, located in Unit A of Section 6;
- (b) The Poker Lake Unit Well No. 151, located in Unit B of Section 6;
- (c) The Poker Lake Unit Well No. 162, located in Unit C of Section 6; and
- (d) The Poker Lake Unit Well No. 166, located in Unit D of Section 5.

The pilot area within the Poker Lake Unit is centered approximately 5 miles east of Harroun, New Mexico.

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2010 SEP -7 P 12:46