

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:

Oil Conservation Division
Case No. 14552
Exhibit No. 1

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, VIII, 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.
- 1) Lease name: Poker Lake Unit
Well #: 162 30-015-35522
Section: 6
Township: 24S
Range: 30E
Footage: 660' FNL & 1855 FWL
 - 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	Production Casing	Tubing	Construction	Spud Date	Comp Date	TD Date	Perforations	Stimulation
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SEE PAGE 3

VII. Attach data on the proposed operation, including:

- a. Proposed average and maximum daily rate and volume of fluids to be injected: 1,500 average, 2,000 maximum BWPD
- b. Whether the system is open or closed: closed
- c. Proposed average and maximum injection pressure: 1393 psi average, 1393 psi maximum
- d. 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).
- e. 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. Applicannts 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 type, construction, date drilled, location, depth, record of completion and a schematic of any plugged well illustrating the plugging detail.

C-108 DATA

Well Name	No.	API	Operator	Type	Location	Surface Casing	Intermediate Casing	Production Casing	Tubing	Spud Date	Comp Date	TD	Perforations Stimulation		
													Date	Depth	
PLU	149	30-015-31415	BOPCO, LP	Producer	660' FSL & 2310' FEL, Sec. 31; T23S,R30E	8-5/8" @ 520' TOC @ Surf w/275' ss	NA	5-1/2" @ 7350' TOC @ 340' calc. w/1,020' ss 7212'	2-7/8" @ 7212'	12/15/2000	1/11/2001	7350'	7205-17210	130 bbls 2% KCl	Frac w/60,922 gals Viking 30 & 180,000# 16/30
PLU	150	30-015-31538	BOPCO, LP	Convent to disp. Well	760' FNL & 810' FEL	8-5/8" @ 600'; TOC @ Surf.	NA	5-1/2" @ 7548' TOC @ 3673' 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+165,000# 16/30 Brady SD-55,000 16/30 RCS
PLU	151	30-015-31555	BOPCO, LP	Producer	510' FNL & 1980' FEL, See 6, T24S, R30E	8-5/8" @ 575' CTS, C195' ss	NA	5-1/2" @ 7430'; C650' ssx, TOC 3100' TS	2-7/8" @ 7103'	4/20/2001	7/5/2001	7430'	7226-7236'	750 gals 7-1/2% HCl acid; frac w/ 68,069 gals Viking 30 + 190,458 BS	
PLU	153	30-015-31412	BOPCO, LP	Producer	1630' FNL & 1980' FEL, See 6, T24S, R30E	16-3/4" @ 625' CTS, C780' ssx	NA	7-5/8" @ 11,450' CTS, C1650' ssx, TOC 8193'; 5-1/2" @ 14,513' C350' ssx, TOC 11,127'	2-7/8" @ 1277/2000	4/12/2000	4/12/2001	14,515'	12-848'; 14,216'	2000 gal 10% HCl, 1500 gal 7-1/2% HCl & 2200 gal 15% Fercheck	
PLU	160	Never Drilled													
PLU	161	30-015-31518	BOPCO, LP	Producer	650' FSL & 2310' FNL, Sec. 31; T23S,R30E	8-5/8" @ 518' w/290' ssx, TOC @ Surf	NA	5-1/2" @ 7370' w/1,082' ssx, TOC @ 3538; TS	2-7/8" @ 5,887'	9/22/2001	10/12/2001	7374'	7166-7176'	7-1/2% NEE HCl, BD peats @ 1110#.	
PLU	1610	30-015-34183	BOPCO, LP	Producer	1580' FNL & 2360' FWL, See 6, T24S, R30E	8-5/8" @ 800' CTS, C525' ssx, TOC @ Surf	NA	5-1/2" @ 7534'; 1095' ssx, TOC 3010' (TS)	2-7/8" @ 7404'	3/4/2006	4/20/2006	7535'	6742-7365'	Frac w/26,874 gal lightning 2500' x-linked gel, 62,102# 16/30 Ottawa & 19,315,1630 Super LC, 123,119 gal PW + 10,012# 14/30 Lite Prop, 122,839 gal PW, 9,966# 14/30 Lite Prop, 19,315 gal PW + 9,966# 14/30 Lite Prop, 124,356 gal PW + 5,912# 14/30 Lite Prop	
PLU	1640	30-015-33137	BOPCO, LP	Producer	1860' FSL 1980' FWL; Sec. 6, T24S, R30E	8-5/8" @ 810' w/420' ssx, TOC Surf.	NA	5-1/2" @ 7471' w/650' ssx, TOC @ 480'	2-7/8" @ 7397'	8/23/2005	9/13/2005	7478'	7050-7354'	HCL; Frac w/100,619 Viking 3000-274,4k# 16/30 Ottawa Sand 75k#	
PLU	184	30-015-31990	BOPCO, LP	Producer	1700' FNL & 1850' FEL, Sec. 6, T24S, R30E	8-5/8" @ 827' w/550' ssx, TOC @ Surf	NA	5-1/2" @ 7470' w/700' ssx, TOC @ 3365' (TS)	2-7/8" @ 7314'	2/15/2003	3/13/2003	7470'	7256-7265'	750 gals 7-1/2% DBL Inhibitor NEE	
PLU	262	Never Drilled													
PLU	263H	30-015-35115	BOPCO, LP	Producer	1894' FNL 674' FWL 13-3/8" @ 736' w/740' ssx, TOC @ Surf	9-5/8" @ 3489' w/1650' ssx, TOC @ 3400'	5-1/2" 2 12,292' w/1465' ssx, TOC @ 3400'	2-7/8" @ 7697'	10/15/2008	2/17/2009	12,302	64-88-12,302 40569 gals Brac 25,18590 gals pad/w/100,2224 20/40 Super LCE 24, & 6 ppg stages. Flushed w/12292 gals 10% linear			
FLU	266	Never Drilled													
Remuda Basin 31 State Com	1	30-015-3174	BOPCO, LP	Producer	660' FSL 660' FWL, 13-3/8" @ 528' w/370' ssx, TOC @ Surf	9-5/8" @ 3461' w/1120' ssx, TOC @ 3400'	5-1/2" 2 11,329' w/1060' ssx, TOC Surf	2-3/8" @ 7697'	6/10/2001	9/27/2001	14,175	13565-13788 Acidized w/4000 gals 70/30 10% HCl 13276 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
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GL:	3206
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SPUD DATE:	3/6/2008
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COMP DATE:	4/28/2008
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SURFACE CASING

SIZE: 8-5/8"

WT/GRD: 32# J-55

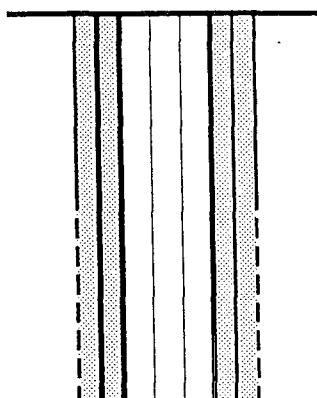
SET @: 680'

SX CMT: 500 sx

CIRC: Yes

TOC: Surface

HOLE SIZE: 12 1/4"



X:

Y:

Lat: 32.252028°

Long: 103.923389°

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"

680' 8-5/8" CSG

5019' DV Tool

5875' TAC

5950' PKR

6030-40' "JRU 13"

2 jspf (4/24/08)

6950' PKR/EOT

1 jspf (4/24/08)

7008-13' LBC "V"

1 jspf (4/24/08)

7092-102' LBC "W"

1 jspf (4/24/08)

7124-34' LBC "X"

1 jspf (4/24/08)

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

7300' CIBP @ 7300' w/ 35' cmt cap

7324-29' Avalon Perf 5' - 10 holes

7340-45' Avalon Perf 5' - 10 holes

7345' SN

7360' EOT

7372' CIBP

7406' Float Shoe (Csg detail)

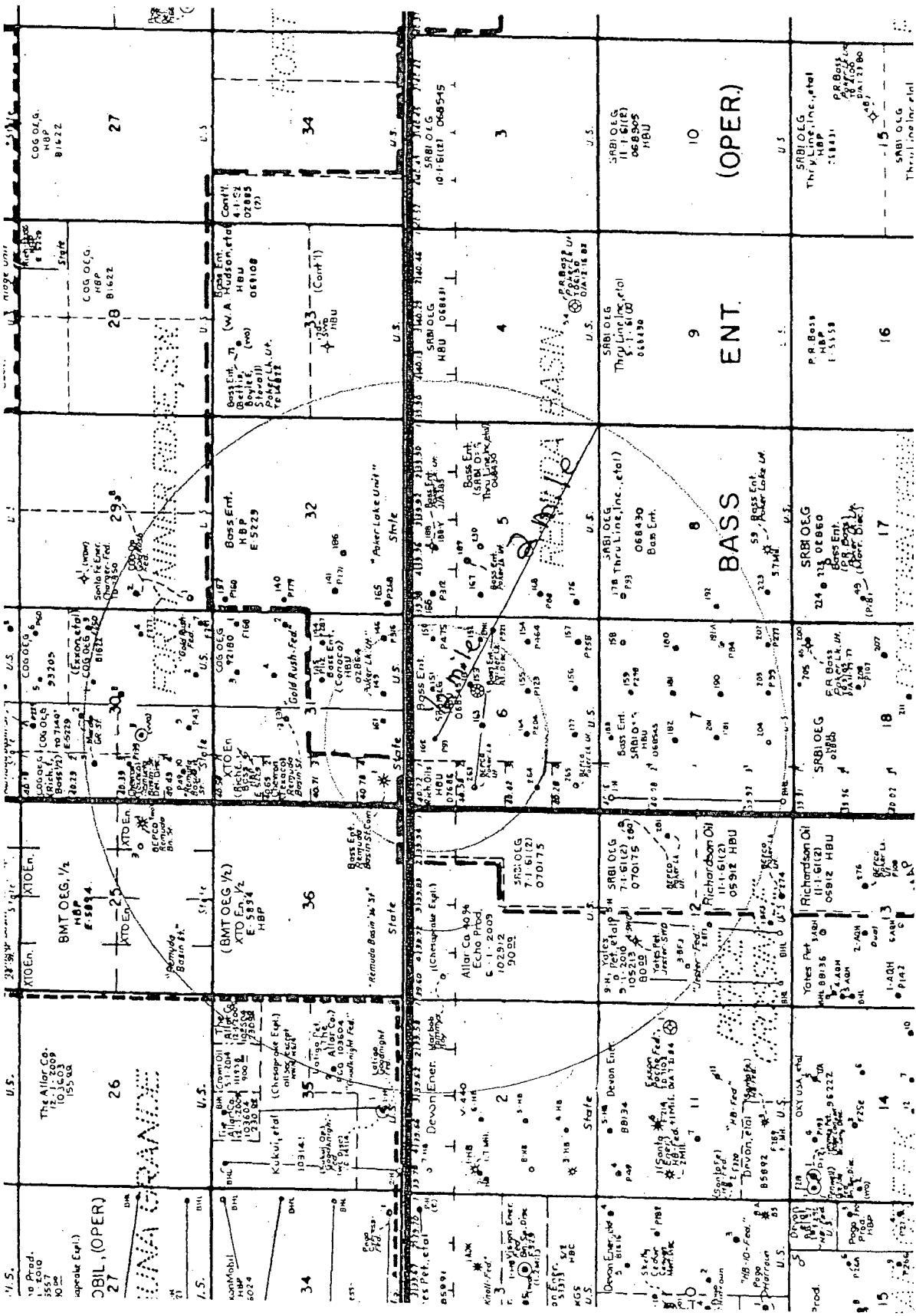
PBTD: 7360'

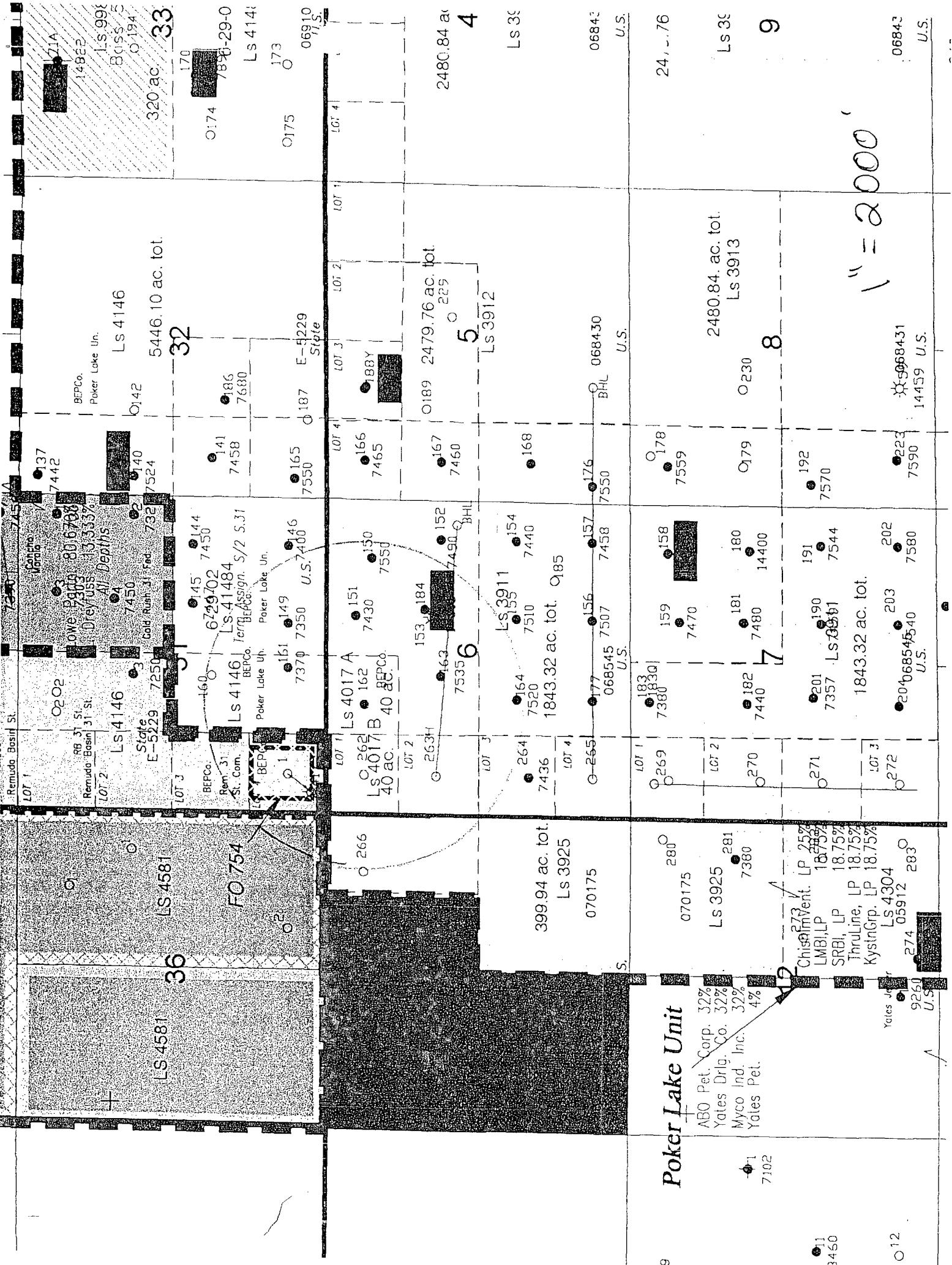
TD: 7410' (Driller's TD)

Updated: 4/28/2010

Author: crm/sjb

Engr: CCC





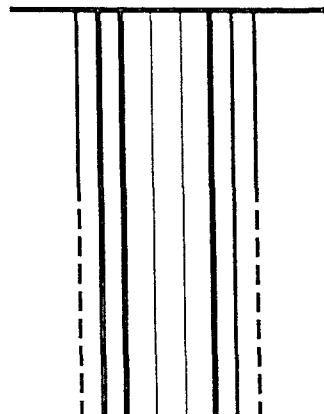
CURRENT WELLCORE DIAGRAM

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"



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

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"

680' 8-5/8" CSG

> < 5019' DV Tool

= = 5875' TAC

= = 6030-40' "JRU 13" 2 jspf (4/24/08)

= = 7008-13' LBC "V" 1 jspf (4/24/08)

= = 7092-102' LBC "W" 1 jspf (4/24/08)

= = 7124-34' LBC "X" 1 jspf (4/24/08)

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

= = 7324-29' Avalon Perf 5' - 10 holes
 = = 7340-45' Avalon Perf 5' - 10 holes
 7345' SN
 7360' EOT

7372' CIBP

! ! ! 7406' Float Shoe (Csg detail)

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

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

April 24, 2010

NOTICE OF APPLICATION FOR A
SECONDARY
RECOVERY WELL
PERMIT

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

The applicant proposes to inject produced water or other oil and gas waste into the Poker Lake Unit #162 (Delaware Formation). The maximum injection pressure will be 1393 psi and the maximum rate will be 2,000 bbls produced water/day. The proposed disposal well is located 7 miles northeast of Molaga, New Mexico in Section 36, T24S, R30E, Eddy County, New Mexico. The produced salt water will be disposed at a subsurface depth of 6,966'-7218'.

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

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.

Affidavit of Publication

State of New Mexico
County of Eddy, ss.

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

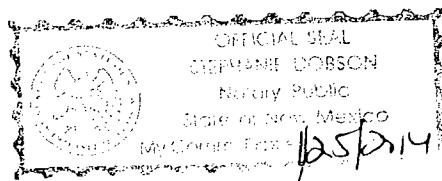
That she is the Classified Supervisor of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices 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
S. Shearin Dobson

My commission expires *12/25/2014*
Notary Public



RECEIVED
APR 30 2010

BOPCO WTD PRODUCTION