STATE OF NEW MEXICO ENERGY, MINERALS and NATURAL

Oil Conservation Division 1220 South St. Francis Dr.

Form C-108 Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

| I. | | Secondary Recovery r administrative approval? | | | _ Storage |
|------|--|---|---|--|------------|
| 11. | OPERATOR: BOPCO |), <u>L</u> .P. | | | |
| | ADDRESS : P O Box | 2760 Midland Tx 79702 | | | |
| | CONTACT PARTY :_ | Sandra J. Belt ext. 149 | | PHONE : (432)683-3 | 2277 |
| Ш. | | ete the data required on the reverse side anal sheets may be attached if necessary | | processed for injection. | |
| IV. | Is this an expansion of If yes, give the Division | an existing project? Year order number authorizing the project | es X No | | |
| V. | | tifies all wells and leases within two mi posed injection well. This circle identi | | | s circle |
| VI. | Such data shall include | data on all wells of public record within a description of each well's type, cons ged well illustrating all plugging detail. | truction, date drilled, locat | | |
| VII. | Attach data on the prop | posed operation, including: | | Oil Conservation Division Case No. 14552 | |
| | Whether the syster Proposed average Sources and an ap produced water; a If injection is for one | and maximum injection pressure; propriate analysis of injection fluid and | d compatibility with the re- uctive of oil or gas at or wi | Exhibit No. 12 | , attach a |
| *V[] | depth. Give the geolo total dissolved solids of | ological data on the injection zone inclugic name, and depth to bottom of all unconcentrations of 10,000 mg/l or less) of tely underlying the injection interval. | nderground sources of drin | king water (aquifers containing wa | aters with |
| 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 | | | | |
| *X1. | | alysis of fresh water from two or more f well showing location of wells and date | • | ole and producing) within one mile | e of any |
| XII. | | al wells must make an affirmative state ence of open faults or any other hydrolo iter. | | | |
| ХШ | . Applicants must comp | plete the 'Proof of Notice' section on th | e reverse side of this form. | | |
| XIV | Certification: I hereby and belief. | y certify that the information submitted | with this application is tru | e and correct to the best of my kno | owledge |
| | NAME: Sandra J. E | Belt ext. 149 | | LE: Sr. Regulatory Clerk | |
| | SIGNATURE: | Belt ext. 149 Landia JBelt | | DATE: <u>05/18/2010</u> | |
| | | sjbelt@basspet.com | | | |
| * | If the information rec Please show the date | quired under Sections VI, VHI, X, and and circumstance of the earlier submit | XI above has been previoυ tal: | sly submitted, it need not be result | mitted. |

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

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| Poker Lake Unit | 151 30-015-31595 | 9 | 24S | 30E | . 510' FNL 1980; FEL |
|---------------------------------|------------------|----------|-----------|--------|----------------------|
| Lease name: | Well #: | Section: | Township: | Range: | Footage: |

Casing Info: 5

| Method | Circulated | 18 |
|-------------|--------------------------|----------------------------------|
| TOC | Surface | 3,100' |
| Hole size | 11" | .8/2-2 |
| Sacks cmt | 195 | 650 |
| Set depth | 575' | 7,430 |
| Casing size | 8-5/8" 24# WC-50 STC/J55 | 5-1/2" 15.5/17#;K55/ J55;L80/LTC |

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

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

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

œ.

The injection interval and whether it is perforated or open hole: Interval 7082 - 7294'; Perforated 7

Drill & complete as an oil well in the (Delaware formation), Nash Draw (Delaware)/BS/Avalon Sand Pool State if the well was drilled for injection or, if not, the original purpose of the well: 3)

Give the depths of any other perforated intervals and detail on the sacks of cement or BPs used to 4

seal off such perforations:

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 (S)

Lower: Bone Spring @ 7298"

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 shalf 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 detait.

| | Stimulation |
|--------------|--------------------------|
| Сотр | Perforations Stimulation |
| | E L |
| Сотр | Date |
| Spud | Date |
| | Tubing |
| nc | Production Casing |
| Construction | Intermediate Casing |
| | Surface Casing |
| | Location |
| | Type |
| | Operator |
| | API |
| | 0.0 |
| | Well Name |

SEE PAGE 3

VII. That 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'

120021 30021

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 perfs will be perforated and acidized with approximately 50 gallons 7-1/2% NEFE HCl per foot.

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.

Applicants for disposal wells must make an affimative statement that they have examined avaitable geologic and engineering data and find no evidence of open faults or any other hydotogy 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.

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C. 108 DATA

VI. Attach a tabulation of data on at wells of public record within the area of review with prevention the proposed injection sone.

Such data shall include a description of each wers spec, construction, date direct fication, depth, record of completion, and a schematic of any plugged well this searing at progging detail.

| | 3 | 4 | | , | | | Construction | | 1 | P 2 | Comp | Ş | | |
|--|----|---------------|--------------|---------------------------|---|---|---------------------------------------|---|---------------------|------------|------------|---|---------------|--|
| SUCCOLD Processe Taylor St. Set 1975 State S | 17 | 50 015-310-32 | BOPCD, LP | Родиде | 64.) FSL 3 810 FEL. Sec 31, T235, R33E | 1 | ĺ | 5-17" @ 7400", C/665 sr, 15 3165 | 2-778° W 7028 | 4/12/2000 | \$132000 | | 5910:7215 | 500 galis 13% MCI acid w/ andrines; line w/ 56,195 gal Viking 30 + 204,226±16:00 Brady + 16,596± CR-1000 |
| ROPCO Parameter Section Sect | | 30 015-31 816 | | Producer | 633-551 \$ 3310' FEU, Sec. 31; 7245 R.S.E. | . 8-511" & 520 TOC & Suff w275 NA 515 | | \$-1/2" or 7350" ToC († 3400" calc, w/1,020 sxs | 2-788 # 7212 | 12/15/2000 | 17112001 | | 7205-17210 | 130 bblss 2*1/KCL.; Frac w60,922 gals Viking 30 & 180,000# 1670 Brady+60,000# CR-4000 |
| | | 30 015-21504 | | Converting to the West | | | | 5.1 <i>7" y</i> 7548 TOC (# 3673°TS | | 4/8/2001 | 1,12001 | | 355 7355 | 20 bbls 2% KCL; Frac w/52,322 gals Viking 30+166.000# 18/30 Brady SD+55,000 18/30 RCS |
| BOYCOLD Process 115,8 AKE 115,8 AKE 115,0 AK | | 30.015 31415 | 80PC0,1P | Piodecer | ISAO FIN, 8 660 FEL. Sec 6, T215, R3CE | | | 5 1/2" @ 7450; C/620 51, TOC 3473°TS | 2-7/8" (q. 7252" | 1002/5/5 | 6/13/2001 | | 7238-7248 | Frac w/ 56,000 gal Viking 30 + 175,620 BS + 62,165 CR-4000 |
| STATE STAT | | 30 015 31412 | | Producer | 1830 F.4. 8. 1980 FEL. Sec 9. 1715, RICE | | ит. д 3578° СТS, С.2050 si | 7-58" A 11,450' C/1650 ss. 10C 8197; 5-17" & 14,513', C/150 ss. 10C 11,127' | 2.78° 4 11,135° | 00044/11 | 4/12/2005 | | 12,848:14,216 | 2000 gal 10% HGL 2500 gal 7-12% HGLB 2200 gal 15% Frecheck |
| SUCCOLD Preater SECTION SECT | | Never Dolled | | | | | | | | | | | | |
| HONCOLD HONCE RESTREE SMT 1735 RAGE SMT 1755 RAGE 1755 RAGE SMT | | 30 015-31567 | ecreo, L | Producer | 1300° FSL & 1380° FEL. See & T34M, R30E | | | 5-1/2" N 7502', 600 sx, TOC 2977" TS | 2.7/8° # 7029 | | | | 6077-7202 | Frac w! \$5,300 gal Vuking 30 + 164 (000+ 1620 Branty + 60,000a (CH-400), 31,551 gas/ Brac 30r get Hisid & 58,8964 1650 Ottowa & 21,07?* 1620 Super LC |
| BOYCO LP Product E45 FML LEST FML | | 30 015 31518 | | Producer | 560 FSL 6 2310 FEL, Sec. 31, 1235 R36E | 4-5/8" # 5:8" w/290 s.s.; TOC # NA. Surt | | 5 1/2" & 7370" w/f,082 sxs; TOC 4 3538, TS | 5,887 | 1002/2/6 | 10/12/2001 | | .921.29 | 7-1225, NE E HCL BO perfs & 11104, 30kg Rensoneg 2500-268 1770 Letestrep-691a 1670 Ottawa = 248# 1670 CR 4000 |
| Sec 5, T25, Place Proceed Procedure Sec 5, T25, Place Se | | 36-015-35522 | BOFCOLLP | P | EGO FILL IESS FILL, Sec. E. 1745 ROXE | 8 5/3" # 680" w/180 5/5; TOC # NA Surt | | 5.112' & 7407', 1,730 sxs, 70C # Surface | 2.7/8* R 7360* | 3/6/2008 | 4787008 | | 5030-7345 | 500 gals 7:1/Z%, NEFE HCL from 7345 8845; 500 gals 7:1/Z%, NEFE HCL acid from 7324-7345 |
| BORCOLP PROALER SECTION SECTION SECTION SECTION SECTION 1550 77567765 77567 | | 36 015-34163 | 80PC0.1P | Podec | 1330 FML & 2360 FML, Sec 5, T245, R306 | | | 5.10° er 75.34°, 1695 sas, 10C 3010°(15) | | | | | 674217385 | Fixe. w/28,331 gail Leginning 2500 a sinked got. 62,1021 8620 Chree & 19315 1620 Super LC; 22,313 gail Pw + 0.0072 1400 Lie Prop. 122,535 gail Pw + 39661 1420 Lie Prop |
| BOSECOLIP Proceed: \$46.5 FML 3346 FML, 1-50*3 515 CTS CORS.s.s. NA | | 30 015 31234 | | Producer | | | | 5-12" 14 7550" w/790 sxs, 10C th 3425 (TS) | | | | | 7258 7268" | 500 gals 15% JICL, Arid, Frac w/ 71,151 gals Viving 30,201,400* 1630 Bridy sd., 65,80? 1630 CR-1000 |
| 90°CO.1P Piccecia 120°144.1575 Fig. 158°0-022°4550 114.TOC 0 NA 5.10°0-130°4700 114.TOC 178°0 724.7567766°5 Sect. 1.724.Fig. Sect. 1.724.7547767 | | 30 615-31695 | 30 PC 0. 1 P | Procuser | 569 FBL 3 560° FVIL. Sec 5, 1745, R30E | | | 5-12" # 7462", C/630 sk, TOC 3879" IS | | | | | 7280:7290 | Fize w/ 52,000 gal V-30 + 165,000# BS + 60,000 CR-4000 |
| | | 30 015-31950 | | Prodects | 5700 FM & 1850 FBL, Svc. 4, 17845 B306 | 8-5/8' @ 827' w556 sts, TOC & NA Suit | | \$ 17" # 7470" w/700 sts, 10C # 3365" (1S) | | | | | 7256-7766 | 750 gats 7-1772, DRL labiditor NEFE HCL; Frac w1700 Skg Viking 3000_274.188 16:30 Ottawa Sand 7588 16:30 CR-4000 |

Never Deited

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PROPOSED WELLBORE

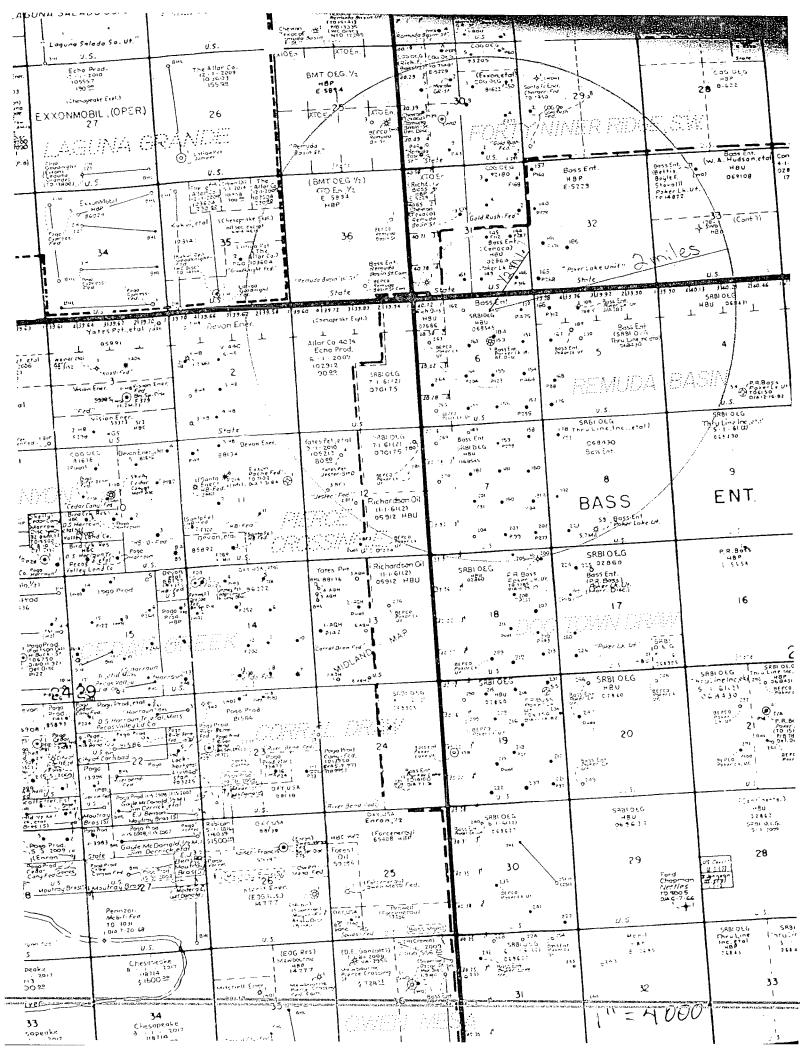
POKER L^{JNI} E UNIT · LEASE: WELL#: FIELD: NASH DRAW DELAWARE LOCATION: 510' FNL & 1980' FEL, SEC 6, T24S, R30E COUNTY: EDDY API: 30-015-31595 ST: NM **KB**: 3258' GL: 3245 SPUD DATE: 4/20/2001 COMP DATE: 5/2/2001 Ō, GL 13' KΒ SURFACE CASING SIZE: 8-5/8" 24# 575 8-5/8" 24# CSG WT/GRD: WC-50 600' 11" HOLE 575 CSA: 90/105 SX: PERF/PREM+ CIRC: TOC: SURF HOLE SIZE: 11" 0-600 PRODUCTION CASING SIZE: 5-1/2" 15.5# K55 0-4086 WT/GRD: WT/GRD: 15.5# J55 4086-6091 WT/GRD: 17# L80 6091-7430 3755' TOC (TS) 7430' CSA: 650 PREM+ 601 W/N2 SX: CIRC: TOC: 3755' TS 7-7/8" 600-7430' HOLE SIZE: EOT/PKR 7000' PERFORATION DATA **=**1: 7226' PERF LBC "Y" 7226-36' 05/01 PERF 7226-36' S: 750g 7-1/2% HCL 7236' acid. F: 68kg Viking 30+150.5k# 16/30 Brady 20 SHOTS sd + 40k# 16/30 RCS. 73161 **PBTD** 7340 FC 7430" 5-1/2" 17# L-80 CSG 74301 7-7/8" HOLE PBTD: 7316' TD: 7430' Updated: 5/18/2010 7406' (LOG) Author: crm

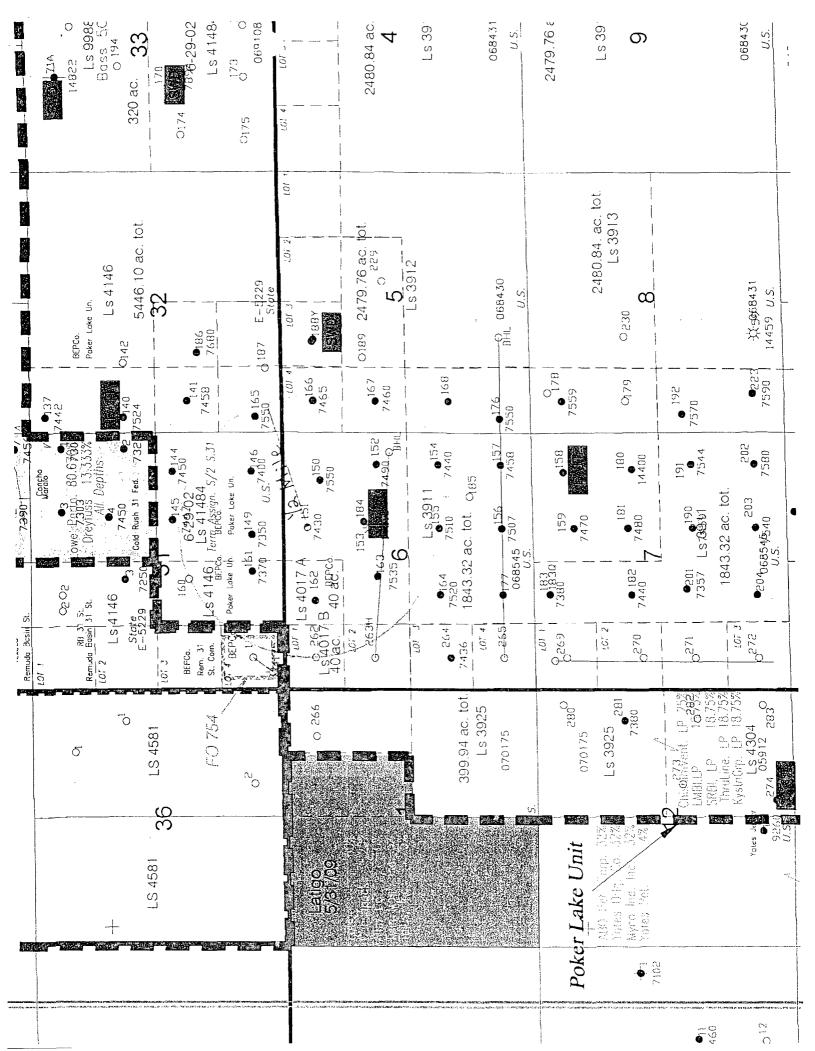
CCC

Engr:

CURRENT WELLBORF

| LEASE | | | | 151 |
|--------------------------------|------------------------------|--|-----------------------|---|
| | : NASH DRAW DELAWAR | | | A CONTRACT OF THE CONTRACT OF |
| | : 510' FNL & 1980' FEL, SE | | . D1. | 20.015.21505 |
| COUNTY | : EUUY | ST: NM | \PI: | 30-015-31595 |
| | | | C) | KB: 3258' GL: 3245' SPUD DATE: 4/20/2001 COMP DATE: 5/2/2001 |
| SU | RFACE CASING | | 0' 13' | GL KB |
| SIZE: | 8-5/8" | | , 5 | |
| VT/GRD: | 24# WC-50 | | 575' | 8-5/8" 24# CSG |
| CSA: | 575' | | 600' | 11" HOLE |
| SX: DIRC: | 90/105 PERF/PRE Y | <u>1 </u> | | |
| FOC: | SURF | - !! !! | | |
| HOLE SIZE: | 11" 0-600' | — il li | | |
| | | 1 1 | | |
| <i>PRO</i> . SIZE: | DUCTION CASING 5-1/2' | | | |
| NT/GRD: | 15.5# K55 0-4086' | — il li | | |
| NT/GRD: | 15.5# J55 4086-6091° | | | |
| NT/GRD: | 17# L80 6091-7430 | | 3755' | TOC (TS) |
| CSA: | 7430' | | | |
| SX: | 650 PREM+ 601 W/N2 | iii iii iii | | |
| CIRC: | Y 27551 | | | |
| TOC: -IOLE SIZE: | 3755' TS 7-7/8" 600-7430' | - II II II | | |
| TOLL SIZE. | 1-170 000-7400 | | | |
| (040 ITC) 0.7/0 | TUBING DATA | | | |
| (219 JTS) 2-7/8 TAC @ 6969' | J-00 IBG | | | |
| (9 JTS) 2-7/8" J | -55 TBG | | | |
| SS BLAST SUE | | | | |
| SN W/ STRAIN | ER @ 7261' | | | |
| D | OD & PUMP DATA | | 6969' | T A C |
| 2050' 1" UPCC | | | 6969 | TAC |
| 2125' 7/8" UPC | | | | |
| 3050' 3/4" UPC | | | | |
| 1-1/2" RHBM-B | DV PUMP | | | |
| | | | | |
| PE | RFORATION DATA | | | |
| | 26-36' S: 750g 7-1/2% HCL | | 7226' | PERF LBC "Y" 7226-36' |
| | Viking 30+150.5k# 16/30 Br | ady = = = = | 7236′ | 20 SHOTS |
| sd + 40k# 16/ | 30 RCS. | | 7261' | SN |
| | | | | |
| | | | 7316' 7340' | PBTD FC |
| | | | | |
| | | | 7430' 7430' | 5-1/2" 17# L-80 CSG 7-7/8" HOLE |
| | | PBTD: 7316' TD: 7430' 7406' (LOG) | | Updated: 10/10/2005 Author: <u>KRA</u> Engr: MLL |





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.

 \sim

Subscribed and sworn to before me

25

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this day of (

My commission expires_

Notary Public

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OFFICIAL SEAL

GTEPHANIE DOBSON

Notary Public

State of New Mexico

My Comin Explires J. D. J. J.

April 24, 2010

NOTICE OF APPLI CATION FOR A SECONDARY RECOVERY WELL PERMIT

BOPCO, L.P. has applied to the New Mexico Oil Conservation Division for a permit to iniect produced salt water or oiler oil and 90s waste into a porous formation productive of oil or gas.

of oil or gas.

The applicant proposes to iniect produced water or other oil oil of the power of the power of the power of the power long the power long the power long to the

Any questions concerning this application should be directed 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 hearing with the Oil Conservation Division, 1220 S. S. Francis Dr., Santa Fe, New Mexico 87505 within 15 days.

RECEIVED

APR 30 2010

BOPCO WITD PRODUCTION