

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Tuesday, February 02, 2010 3:42 PM
To: 'sjbelt@basspet.com'
Cc: Ezeanyim, Richard, EMNRD; Warnell, Terry G, EMNRD; Macquesten, Gail, EMNRD; Sanchez, Daniel J., EMNRD
Subject: Disposal application from BOPCO, L.P. : 30-015-33859 Brushy Canyon/Avalon

Hello Sandra:

Reviewed your application today and have a couple comments and requests:

- a. Please add an "after conversion" wellbore diagram to your C-108 showing the injection tubing and packer inside the casing.
- b. I can no longer process this application administratively for two reasons:
 - a. BOPCO has 6 inactive wells and is only allowed 5 inactive wells per OCD Rule 5.9. This rule 5.9 prohibits any injection or disposal permit to be granted until the number of inactive wells is reduced. Please work with Daniel Sanchez or Gail MacQuesten of this office to come into compliance with Rule 5.9.
 - b. This is an application to convert a low volume producing well to dispose into a producing interval with active offsetting wells, this type of application must now be handled at an examiner hearing. I believe we have processed some of these PLU SWDs administratively in prior years, but the new policy is to set this type of application to a hearing.

AFTER THE RULE 5.9 ISSUES ARE RESOLVED

Send a complete C-108 to your attorney and ask them to set this for a hearing docket. Some testimony may be needed from an engineer at the hearing – or possibly engineering affidavit. The hearing officer would likely ask for engineering justification for disposal into a producing interval. A production decline plot from 2005 until present would be helpful as well as fluid parameters and rudimentary water-flood calculations – whomever hears this case may have other or differing questions. If the intent is to sweep oil to offsetting wells, please apply for a waterflood as the type of hearing case.

Regards,

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

| | | | | | |
|-----------------------|----------|-----------------------|-------------------------|-----------------|--------------------------|
| DATE IN <u>1-6-10</u> | SUSPENSE | ENGINEER <u>Jones</u> | LOGGED IN <u>1-6-10</u> | TYPE <u>SWD</u> | APP NO. <u>100631766</u> |
|-----------------------|----------|-----------------------|-------------------------|-----------------|--------------------------|

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



BoPco, L.P.

RECEIVED
2010 JAN -5 P 2:46

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
- [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
- [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
- [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
- [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
- [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]
 [A] Location - Spacing Unit - Simultaneous Dedication
 NSL NSP SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
 DHC CTB PLC PC OLS OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR

[D] Other: Specify _____

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

- [A] Working, Royalty or Overriding Royalty Interest Owners
- [B] Offset Operators, Leaseholders or Surface Owner
- [C] Application is One Which Requires Published Legal Notice
- [D] Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Sandra J. Belt Sandra J. Belt Regulatory Clerk 1.5.10
 Print or Type Name Signature Title Date

sjbelt@basspet.com
 e-mail Address

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

(432) 683-2277

FAX (432) 687-0329

December 31, 2009

Re: **Notice of Application for Authorization
to Convert to SWD Well
Poker Lake Unit #213
Eddy County, New Mexico
File: 100-WF: PLU213.C108**

RECEIVED OGD
2010 JAN 4 P 12:12

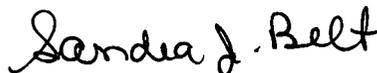
Oil Conservation Division
Attention: William Jones
1220 S. St. Francis
Santa Fe, New Mexico 87505

Mr. Jones:

Enclosed please find BOPCO, L.P.'s **Application for Authorization to Convert** for disposal purposes only into the Poker Lake Unit #213, Located in Section 18, T24S, R30E, Eddy County, New Mexico.

If additional information is required, please contact Sandra J. Belt at the letterhead address, phone number or via email at sjbelt@basspet.com.

Sincerely,



Sandra J. Belt
Regulatory Clerk

sjb
Attachments

CC: BLM

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. (OGRID)

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.).

2010 JAN - 11 PM 12
RECEIVED OGD

*VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted.)

*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

XIII. Applicants must complete the 'Proof of Notice' section on the reverse side of this form.

XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Sandra J. Belt ext. 149 TITLE: Regulatory Clerk

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

E-MAIL ADDRESS: sjbelt@basspet.com

* If the information required under Sections VI, 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. 1) Lease name:

Poker Lake Unit

Well #:

213

Section:

18

Township:

24S

Range:

30E

Footage:

860' FSL & 660' FEL

2) Casing Info:

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

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

2-7/8" 17# J-55 Seal Tite IPC tbg set @ 7,150'

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

Lokset Nickel Plated EXT/INT PC Pkr set @ 7,150'

B. 1)

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

2) The injection interval and whether it is perforated or open hole:

The wellbore will be perforated from 7,038' - 7,460'

3) State if the well was drilled for injection or, if not, the original purpose of the well:

Drill & complete Delaware development well.

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

N/A

5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any:

Higher: None

Lower: Bone Spring Sand @ approximately 7,450'

C-108 DATA

- VI. Attach a tabulation of data on all wells of public record within the area of review which generate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

| Well Name | No. | API | Operator | Type | Location | Surface Casing | Intermediate Casing | Production Casing | Tubing | Spud Date | Comp Date | TD | Perforations | Simulation |
|-----------|-----|--------------|-------------|----------|----------------------|--|---------------------|---|--------------------------------------|-----------|-----------|-------|--------------|--|
| PLU | 212 | 30-015-33915 | BOPCO, L.P. | Producer | 660 FSL & 1980 FEL | 8-5/8" @ 639' W/650 SKS TOC @ SURF. | | 5-1/2" @ 7528' W/750 SKS P/BPT TOC @ 3657' (TS) | 2-7/8" @ 7371' W/1970 SKS TOC @ SURF | 10/19/05 | 12/1/05 | 7630' | 6020-7371' | 250,484 gals PW+20,000# 1430 LIEProp |
| PLU | 289 | 30-015-35590 | BOPCO, L.P. | Producer | 800' FSL & 2280' FWL | 8-5/8" @ 632' W/630 SKS W/ 300 SKS TOP OUT TO SURF | | 5-1/2" @ 7519' W/750 SKS TOC @ SURF | 2-7/8" @ 7325' | 6/5/07 | 7/9/07 | 7372' | 6996-7290' | 224,256 gals Prod/W/22,000# 1430 LIEProp |
| PLU | 211 | 30-015-33858 | BOPCO, L.P. | Producer | 1980 FSL & 1980 FEL | 8-5/8" @ 485' W/840 SKS TOC @ SURF | | SMSL TCR1 TOC @ 3657' (TS) | 2-7/8" @ 7409' | 3/10/06 | 3/10/06 | 7520' | 6037-7360' | 272,215 gals PW + 21,252# 1430 LIEProp |
| PLU | 260 | 30-015-34463 | BOPCO, L.P. | Producer | 1830 FSL & 760 FWL | 8-5/8" @ 871' W/840 SKS TOC @ SURF | | 5-1/2" @ 7630' W/1100' V SKSL TCR1 TOC @ 3918' (TS) | 2-7/8" @ 7505' | 4/2/06 | 5/19/06 | 7630' | 7188-7500' | 246,128 gals PW + 20,088# 1430 LIEProp |
| PLU | 226 | 30-015-34105 | BOPCO, L.P. | Producer | 780 FSL & 760 FWL | 8-5/8" @ 824' W/740 SKS PP TOC @ SURF | | 5-1/2" @ 7560' W/650 SKS PP TOC @ 4280' (TS) | 2-7/8" @ 7521' | 9/12/05 | 10/26/05 | 7640' | 7254-7485' | 246,609 gals PW + 19,938# 1430 LIEProp |
| PLU | 231 | 30-015-34072 | BOPCO, L.P. | Producer | 330 FNL & 630 FEL | 8-5/8" @ 550' W/736 SKS P/BPT TOC @ SURF | | 5-1/2" @ 7560' W/650 SKS PP TOC @ 4280' (TS) | 2-7/8" @ 7471' | 6/23/05 | 6/23/05 | 7570' | 7172-7416' | 258,657 gals PW + 19,928# 1430 LIEProp |
| PLU | 214 | 30-015-33860 | BOPCO, L.P. | Producer | 510 FNL & 1980 FEL | 8-5/8" @ 410' W/ 255 SKS PP TOC @ SURF | | 5-1/2" @ 7515' W/ 700 SKS PP TOC @ 4418' (TS) | 2-7/8" @ 7360' | 7/16/05 | 8/12/05 | 7515' | 7200-7364' | 252,092 gals PW + 20,000# 1430 LIEProp |
| PLU | 236 | 30-015-34419 | BOPCO, L.P. | Producer | 1555 FNL & 125 FEL | 11-3/4" @ 720' W/600 SKS C TOC @ SURF | | 5-1/2" @ 7598' W/ 600 SKS L/D/E TOC @ 3238' (TS) | 2-7/8" @ 7509' | 1/1/06 | 2/14/06 | 7608' | 7241-7480' | 297,838 gals PW + 23,957# 1430 LIEProp |
| PLU | 207 | 30-015-34078 | BOPCO, L.P. | Producer | 2500 FNL 860 FEL | 8-5/8" @ 640' W/652 SKS TOC @ SURF | | 5-1/2" @ 7570' W/650 SKS TOC @ 3656' | 2-7/8" @ 7318' | 3/27/05 | 5/12/05 | 7571' | 7188-7430' | 152,345 gals PW + 43,183# 1430 LIEProp; 187,530# 1630 Okawa +96,000# 1630 Super LC |

VII. Attach data on the proposed operation, including:

- Proposed average and maximum daily rate and volume of fluids to be injected: 2,000 average, 2,500 maximum BWPD
- Whether the system is open or closed
- Proposed average and maximum injection pressure: 1357 psi average, 1408 psi maximum
- Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water: water will be produced from same reservoir (Delaware Avation)
- 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 1,000 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/Avation
 Thickness: 2238
 Depth: 7039-7460

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

IX. Describe the proposed simulation program, if any:

- The perfs will be perforated and acidized with approximately 50 gallons 7-1/2% NEEF 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.

No known fresh water wells within one mile of proposed well.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrology connection between the disposal zone and any underground sources of drinking water.

Applicant hereby affirms that he has examined the available geologic and engineering data and finds no evidence of open faults, or other hydrologic connection between the disposal zone and any underground source of drinking water.

LEASE: POKER LAKE UNIT

WELL #: 213

FIELD: NASH DRAW DELAWARE

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

COUNTY: EDDY

ST: NM

API: 30-015-33859

PROPOSED

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

SURFACE CASING

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

PRODUCTION CASING

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

TUBING DATA

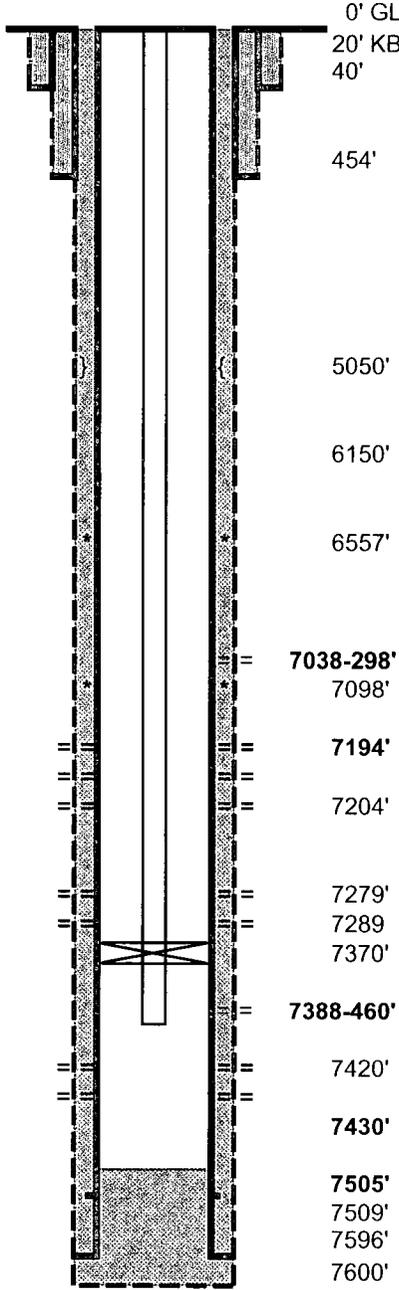
Table with 2 columns for tubing specifications, currently empty.

RODS & PUMP DATA

Table with 2 columns for rods and pump data, currently empty.

PERFORATION DATA

02/05 PERF 7420-30' AVALON LOAD CSG W/ 16 bbls 2% KCl. BD perms w/ 870#. Pmp spot acid away w/ 20 bbls 2% KCl @ 4 BPM & 800#. ISIP 750#. F/ 154.7kg PW + 26.7k# 14/30 LITE PROP + 3k# 16/30 SUPER LC. FLUSH W/ 7kg FW. LOST TTL 320 BPW TO PERFS.
03/05 PERF 7279-89 "Z", 7194-7204' "Y"
F: 20.7kg PW+73kg Lightning 2500+15.9k# 14/30 Lite Prop+185k# 16/30 Ottawa+105k# 16/30 Super LC



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

PBDT: 7505'
TD: 7600'

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

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DEC 28 2009

Affidavit of Publication

BOPCO WTD PRODUCTION

State of New Mexico,
County of Eddy, ss.

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

That she is the Classified Supervisor of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

December 23 2009

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

Kathy McCarroll

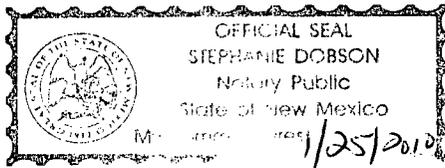
Subscribed and sworn to before me this

23rd day of December, 2009

Stephanie Dobson

My commission Expires on 1/25/2010

Notary Public



December 23, 2009

NOTICE OF APPLICATION FOR SALT WATER DISPOSAL WELL PERMIT

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

The applicant proposes to dispose of produced water or other oil and gas waste into the Poker Lake Unit #213 (Delaware Formation). The maximum injection pressure will be 1,408 psi and the maximum rate will be 2,300 bbls produced water/day. The proposed disposal well is located 9 miles east of Malaga, New Mexico in Section 18, T24S, R30E, Eddy County, New Mexico. The produced salt water will be disposed at a subsurface depth of 7,038-7,460'.

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

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

Injection Permit Checklist (11/30/09)

Case R- SWD WFX PMX IPI Permit Date UIC Qtr

Wells 1 Well Name: POKER LAKE UNIT #213

API Num: (30-) 015-33859 Spud Date: 1/13/05 New/Old: N (UIC primacy March 7, 1982)

Footages 860FSL/660FEL Unit P Sec 18 Tsp 245 Rge 30E County EDDY

Operator: BOPCO, L.P. Contact Sandra J. Balt

OGRID 260737 RULE 5.9 Compliance (Wells) 6/3/07 (Finan Assur) OK

Operator Address: 02 PO BOX 2760, MIDLAND, TX, 79702
6 DESTA DRIVE, SUITE 3700, MIDLAND, TX 79705

Location and Current Status: Producing

Planned Work to Well: Convert Planned Tubing Size/Depth: 27/8 @ 7150'

| | Sizes Hole.....Pipe | Setting Depths | Cement Sx or Cf | Cement Top and Determination Method |
|--|---------------------|----------------|-----------------|-------------------------------------|
| Existing <input checked="" type="checkbox"/> Surface | <u>12 1/4 8 5/8</u> | <u>454</u> | <u>8/0</u> | <u>CIRC</u> |
| Existing <input type="checkbox"/> Intermediate | | | | |
| Existing <input checked="" type="checkbox"/> Long String | <u>7 1/8 5 1/2</u> | <u>7596</u> | <u>845</u> | <u>CIRC 3337 F.S. OLD</u> |

DV Tool 5050 ~~Line~~ Open Hole Total Depth 7150'
Well File Reviewed CIRC = New

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

| Intervals: | Depths | Formation | Producing (Yes/No) |
|---------------------------------|-------------|------------------------------------|--------------------|
| Above (Name and Top) | | | |
| Above (Name and Top) | <u>7033</u> | <u>Top lower Brushy Canyon 8 A</u> | |
| Injection..... Interval TOP: | <u>7038</u> | <u>Del</u> | |
| Injection..... Interval BOTTOM: | <u>7460</u> | <u>Boles SPRING</u> | |
| Below (Name and Top) | <u>7318</u> | <u>Top Boles SPRING</u> | |

9 mi E. of Malaga

Sensitive Areas: ~~Capitan Reef~~ ~~Cliff House~~ Salt Depths 618'-3288'
~~Potash Area (R-111-P)~~ ~~Potash Lessee~~ ~~Noticed?~~

Fresh Water: Depths: to 340' Wells No wells Analysis? Affirmative Statement

Disposal Fluid Sources: Same water Analysis?

Disposal Interval Production Potential/Testing/Analysis Analysis: Production Declined

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

RULE 26.7(A) Affected Parties: BOPCO only

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

Active Wells 9 Num Repairs 0 Producing in Injection Interval in AOR Yes
..P&A Wells 0 Num Repairs All Wellbore Diagrams Included?

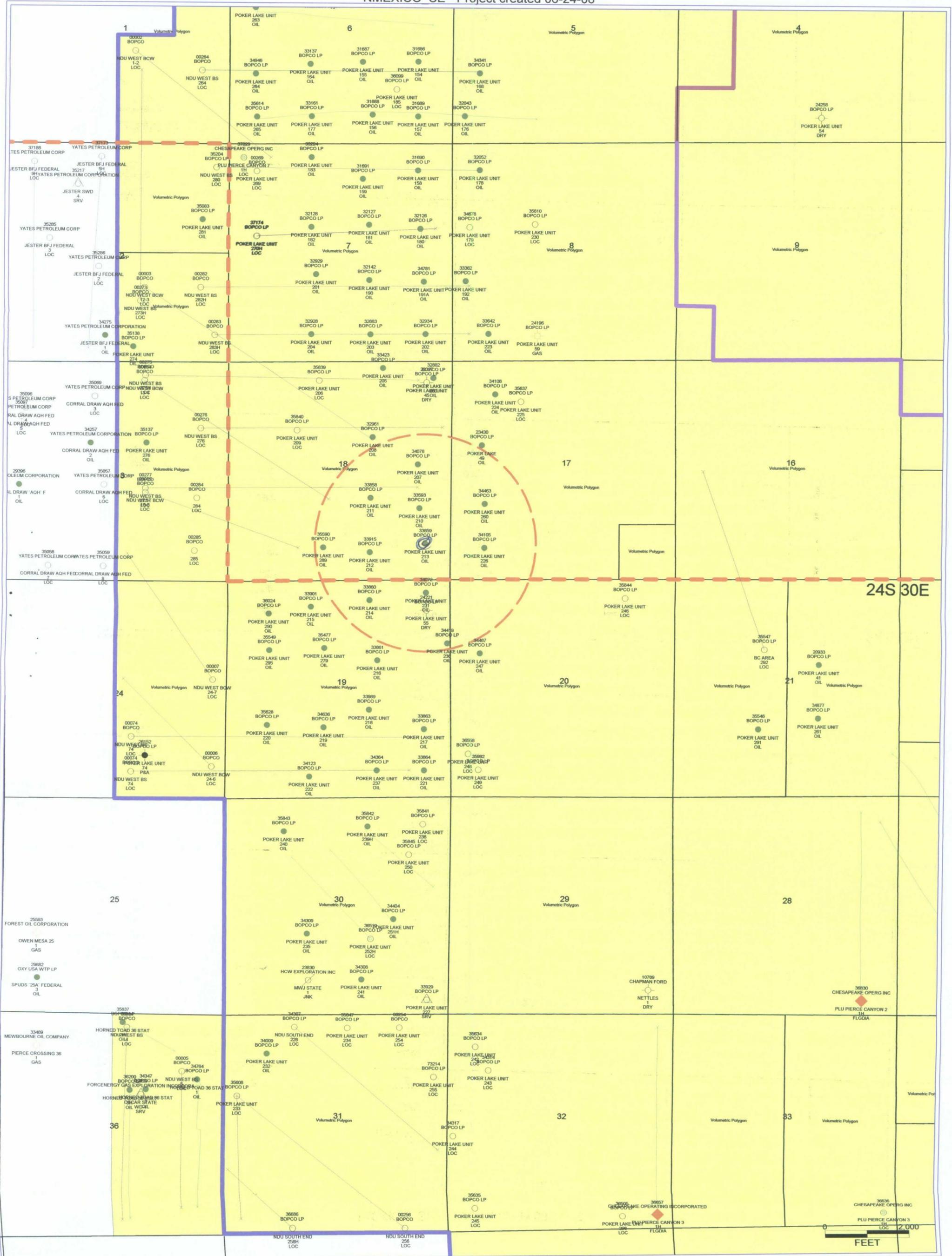
Questions to be Answered:
Bopco operates P.L.U.
Send Production PLOT. Reason for THIS well.

Required Work on This Well: Request Sent Reply:
AOR Repairs Needed: Request Sent Reply:
 Request Sent Reply:

7038
14076

X

CIRC 3337 F.S. OLD
CIRC = New



24S 30E

0 2,000 FEET

7160 3901 9846 3454 4367

| | | | |
|--|--|---|-------------------------------|
| US Postal Service Certified Mail Receipt <i>Domestic Mail Only No Insurance Coverage Provided</i> | Postage | \$ | Postmark Here |
| | Certified Fee | | |
| | Return Receipt Fee (Endorsement Required) | | |
| | Restricted Delivery Fee (Endorsement Required) | | |
| | Total Postage & Fees | \$ | |
| Sent To: | | | |
| Oil Conservation Division Attn: William Jones 1220 S St. Francis Santa Fe New Mexico 87505 | | PLU 213 Dsp App 12.31.09 | |
| PS Form 3800, January 2005 | | US Postal Service | |
| | | | Certified Mail Receipt |
| | | | 2 |

7160 3901 9846 3454 4370

| | | | |
|--|--|--|-------------------------------|
| US Postal Service Certified Mail Receipt <i>Domestic Mail Only No Insurance Coverage Provided</i> | Postage | \$ | Postmark Here |
| | Certified Fee | | |
| | Return Receipt Fee (Endorsement Required) | | |
| | Restricted Delivery Fee (Endorsement Required) | | |
| | Total Postage & Fees | \$ | |
| Sent To: | | | |
| Bureau of Land Management 620 E. Greene St. Carlsbad NM 88220-6292 | | PLU #213 Dsp App 12-31-09 | |
| PS Form 3800, January 2005 | | US Postal Service | |
| | | | Certified Mail Receipt |
| | | | 2 |

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOC

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

| | | |
|--|--|---|
| 1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other | | 5. Lease Serial No. NMNM02860 |
| 2. Name of Operator BASS ENTERPRISES PRODUCTION CO | | 6. If Indian, Allottee or Tribe Name |
| 3a. Address P O BOX 2760 MIDLAND, TX 79702 | | 7. If Unit or CA/Agreement, Name and/or No. NMNM71016X |
| 3b. Phone No. (include area code) Ph: 432-683-2277 | | 8. Well Name and No. POKER LAKE UNIT 213 |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 18 T24S R30E SESE 860FSL 660FEL 32.12458 N Lat, 103.54516 W Lon | | 9. API Well No. 30-015-33859-00-X1 |
| | | 10. Field and Pool, or Exploratory NASH DRAW-DELAWARE |
| | | 11. County or Parish, and State EDDY COUNTY, NM |

RECEIVED
FEB 09 2005
ODDARTESIA

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|--|---|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other Drilling Operations |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Spud well @ 4:30 pm on 1/13/05. Drilled 12-1/4" hole to 454'. Ran 11 jts 8-5/8", 32#, J-55, STC casing set @ 454'. Cement with 860 sx Permian Basin Critical Zone + 1/4# Flocele + 10# Gilsonite and Premium Plus + 2% and 3% CaCl cement. Drilled 7-7/8" hole to 7600'. Ran 151 jts 5-1/2" 15.5# J-55, LTC and 55 jts 5-1/2" 15.5# L-80, LTC casing set @ 7596'. Cement w/845 sx of Premium Plus + 2% zonestal. TOC by Temp Survey @ 3337'. Release Rig @ 4:00 pm 1/31/05. Prep for completion.

14. Thereby certify that the foregoing is true and correct.

**Electronic Submission #53741 verified by the BLM Well Information System
For BASS ENTERPRISES PRODUCTION CO, sent to the Carlsbad
Committed to AFMSS for processing by LINDA ASKWIG on 02/04/2005 (05LA0325SE)**

| | |
|------------------------------------|---------------------------------|
| Name (Printed/Typed) CINDI GOODMAN | Title AUTHORIZED REPRESENTATIVE |
| Signature (Electronic Submission) | Date 02/03/2005 |

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

| | | |
|---|---|-----------------|
| Approved By ACCEPTED | ALEXIS C SWOBODA Title PETROLEUM ENGINEER <i>acs</i> | Date 02/07/2005 |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | | Office Carlsbad |

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

**EIGHT POINT DRILLING PROGRAM
BASS ENTERPRISES PRODUCTION CO.**

NAME OF WELL: Poker Lake Unit #213

LEGAL DESCRIPTION - SURFACE: 860' FSL & 660' FEL, Section 18, T-24-S, R-30-E, Eddy County, New Mexico.

POINT 1: ESTIMATED FORMATION TOPS

(See No. 2 Below)

POINT 2: WATER, OIL, GAS AND/OR MINERAL BEARING FORMATIONS

Anticipated Formation Tops: KB 3218' (est) GL 3198'

| <u>FORMATION</u> | <u>ESTIMATED TOP FROM KB</u> | <u>ESTIMATED SUBSEA TOP</u> | <u>BEARING</u> |
|---------------------------|----------------------------------|---------------------------------|----------------|
| T/Rustler | 358' | +2860' | Barren |
| B/Rustler | 618' | +2600' | Barren |
| T/Salt | 668' | +2550' | Barren |
| B/Salt | 3288' | -70' | Barren |
| T/Lamar Lime | 3501' | -283' | Barren |
| T/Ramsey | 3527' | -309' | Oil/Gas |
| T/Lwr Brushy Canyon "8" A | 7033' | -3815' | Oil/Gas |
| T/Bone Spring | 7318' | -4100' | Oil/Gas |
| T/Avalon | 7418' | -4200' | Oil/Gas |
| TD | 7700' | -4482' | |

POINT 3: CASING PROGRAM

| <u>TYPE</u> | <u>INTERVALS</u> | <u>PURPOSE</u> | <u>CONDITION</u> |
|---------------------------|------------------|----------------|-----------------------|
| 16" | 0'- 40' | Conductor | Contractor Discretion |
| 8-5/8", 28#, J-55, ST&C | 0'- 610' | Surface | New |
| 5-1/2", 15.5#, J-55, LT&C | 0'- 6500' | Production | New |
| 5-1/2", 15.5#, L-80, LT&C | 6500' -7700' | Production | New |

POINT 4: PRESSURE CONTROL EQUIPMENT (SEE ATTACHED DIAGRAM)

A BOP equivalent to Diagram 1 will be nipped up on the surface casing head. The BOP stack choke, kill lines, kelly cocks, inside BOP, etc. will be hydro-tested to 70% of internal yield pressure of casing. In addition to the high pressure test, a low pressure (200 psi) test will be required. These tests will be performed:

- a) Upon installation
- b) After any component changes
- c) Fifteen days after a previous test
- d) As required by well conditions

A function test to insure that the preventers are operating correctly will be performed on each trip.

DISTRICT I
1826 N. French Dr., Hobbs, NM 88240

DISTRICT II
811 South First, Artesia, NM 88210

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

DISTRICT IV
2040 South Pecos, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised March 17, 1998

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
2040 South Pecos
Santa Fe, New Mexico 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|-------------------------|--|-----------------------------------|
| API Number | Pool Code 47545 | Pool Name NASH DRAW (DELAWARE) |
| Property Code 001796 | Property Name POKER LAKE UNIT | Well Number 213 |
| OGRID No. 001801 | Operator Name BASS ENTERPRISES PRODUCTION COMPANY | Elevation 3198' |

Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| P | 18 | 24 S | 30 E | | 860 | SOUTH | 660 | EAST | EDDY |

Bottom Hole Location If Different From Surface

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |

| Dedicated Acres | Joint or Infill | Consolidation Code | Order No. |
|-----------------|-----------------|--------------------|-----------|
| 40 | N | | |

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

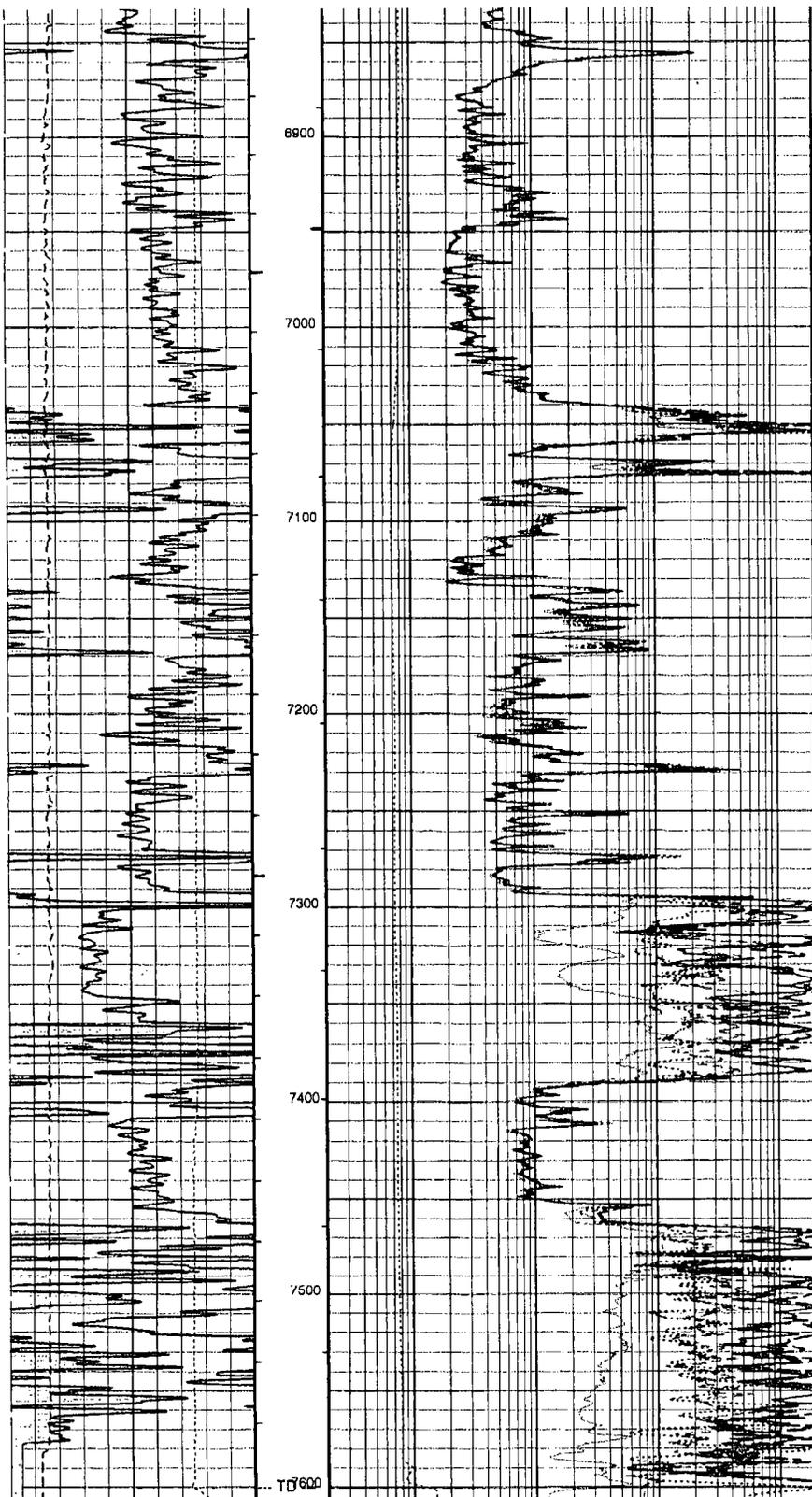
| | | | | |
|-------------------|-----------|-----------|-----------|---|
| LOT 1 - 40.80 AC. | 40.83 AC. | 40.82 AC. | 40.83 AC. | <p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>William R. Dannels</i> Signature W.R. DANNELS Printed Name DIVISION DRILLING SUPT. Title 9/27/2004 Date</p> <p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>APRIL 13, 2004 Date Surveyed Signature of GARY L. JONES Professional Surveyor No. 4140 Certificate No. 7977</p> <p>BASIN SURVEYS</p> |
| LOT 2 - 40.85 AC. | 40.81 AC. | 40.79 AC. | 40.79 AC. | |
| LOT 3 - 40.80 AC. | 40.80 AC. | 40.77 AC. | 40.72 AC. | |
| LOT 4 - 40.84 AC. | 40.77 AC. | 40.74 AC. | 40.69 AC. | |

LAT - N32°12'45.8"
LONG - W103°54'51.6"

Additional Operator Remarks:

Surface casing to be set into Rustler below all fresh water sands.
Production casing will be cemented using Zone Seal Cement.
Drilling Procedure, BOP Diagram, Anticipated tops & surface plans attached.

This well is located inside the Secretary's Potash area and outside the R-111 Potash area.
There are no potash leases within 1 mile of this location.



| | |
|-------------------------------|-----|
| Gamma Ray on Backup | |
| 0 | 100 |
| GR (GR) (GAPI) | |
| 6 | 16 |
| HRMS Caliper (MCAL) (IN) | |
| 10000 | 0 |
| Cable Tension (TFNS) (LBF) | |

| | | |
|------|---|------|
| 0.2 | AIT-H 10 Inch Investigation (AHT10) (OHMM) | 2000 |
| 0.2 | AIT-H 20 Inch Investigation (AHT20) (OHMM) | 2000 |
| 0.2 | AIT-H 30 Inch Investigation (AHT30) (OHMM) | 2000 |
| 0.2 | AIT-H 60 Inch Investigation (AHT60) (OHMM) | 2000 |
| 0.2 | AIT-H 90 Inch Investigation (AHT90) (OHMM) | 2000 |
| 0.02 | AIT-H Mud Full Cal (AHMF) (OHMM) | 200 |

PIP SUMMARY

- ┌ Integrated Borehole Volume Every 10 F3
- └ Integrated Borehole Volume Every 100 F3
- ┌ Integrated Annulus Volume Every 10 F3
- └ Integrated Annulus Volume Every 100 F3

Main Pass 2' ± 100'

2 Article Number

7160 3901 9846 3455 0067

3 Service type **CERTIFIED MAIL**

4 Restricted Delivery? (Extra Fee) Yes

1 Article Addressed to:

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

PS Form 3811, January 2005

Domestic Return Receipt

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

A. Received by (Please Print Clearly) *See below*

B. Date of Delivery

C. Signature *[Signature]*

Agent Addressee

Yes
 No

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

BEU 154
PLU 166
SWD PLU 166
152
SRU 104

receipt of delivery to BLM for SWD
PLU 166 + PLU 152

BOPCO, L.P.
MCDLAND, TX

Received 28 JAN 2010

Jones, William V., EMNRD

From: Warnell, Terry G, EMNRD
Sent: Tuesday, January 19, 2010 10:17 AM
To: Belt, Sandra J.
Cc: Jones, William V., EMNRD
Subject: RE: Poker Lake Unit; #213

Hi Sandra,

Will Jones has the order

It was just logged in on the 6th

Should be done by month's end

From: Belt, Sandra J. [mailto:SJBelt@BassPet.Com]
Sent: Tuesday, January 19, 2010 7:05 AM
To: Warnell, Terry G, EMNRD
Subject: Poker Lake Unit; #213

Good morning Terry – just checking on the status of the disposal application on the subject well. Please call or e-mail me if there is anything needed to complete this application. You have a good day and thank you.

Sandra J. Belt

Regulatory Clerk

BOPCO, L.P.

P O Box 2760

Midland Tx 79702-2760

432.686.2999 ext. 149

432.687.0329 (F)

sjbelt@basspet.com



LEASE: POKER LAKE UNIT

WELL #: 213

FIELD: NASH DRAW DELAWARE

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

COUNTY: EDDY

ST: NM

API: 30-015-33859

PROPOSED

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

SURFACE CASING

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

PRODUCTION CASING

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

TUBING DATA

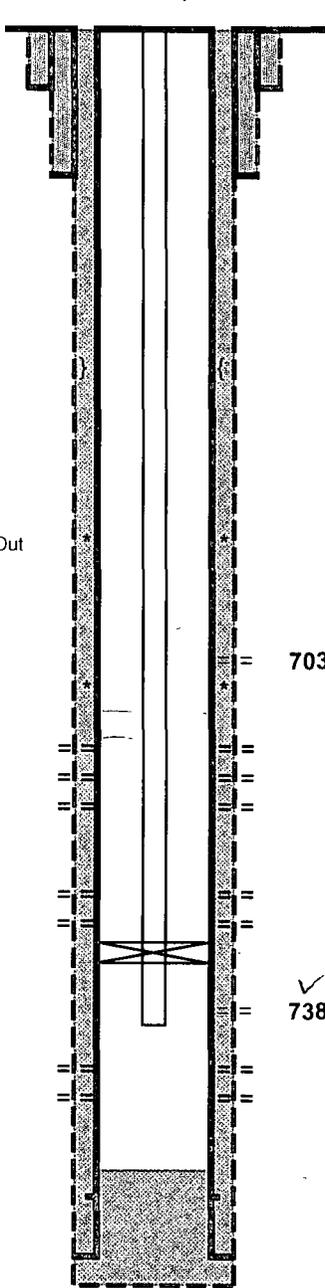
Table with 2 columns for tubing specifications, currently empty.

RODS & PUMP DATA

Table with 2 columns for rods and pump data, currently empty.

PERFORATION DATA

02/05 PERF 7420-30' AVALON LOAD CSG W/ 16 bbls 2% KCl. BD perfs w/ 870#. Pmp spot acid away w/ 20 bbls 2% KCl @ 4 BPM & 800#. ISIP 750#. F/ 154.7kg PW + 26.7k# 14/30 LITE PROP + 3k# 16/30 SUPER LC. FLUSH W/ 7kg FW. LOST TTL 320 BPW TO PERFS.
03/05 PERF 7279-89 "Z", 7194-7204' "Y"
F: 20.7kg PW+73kg Lightning 2500+15.9k# 14/30 Lite Prop+185k# 16/30 Ottawa+105k# 16/30 Super LC

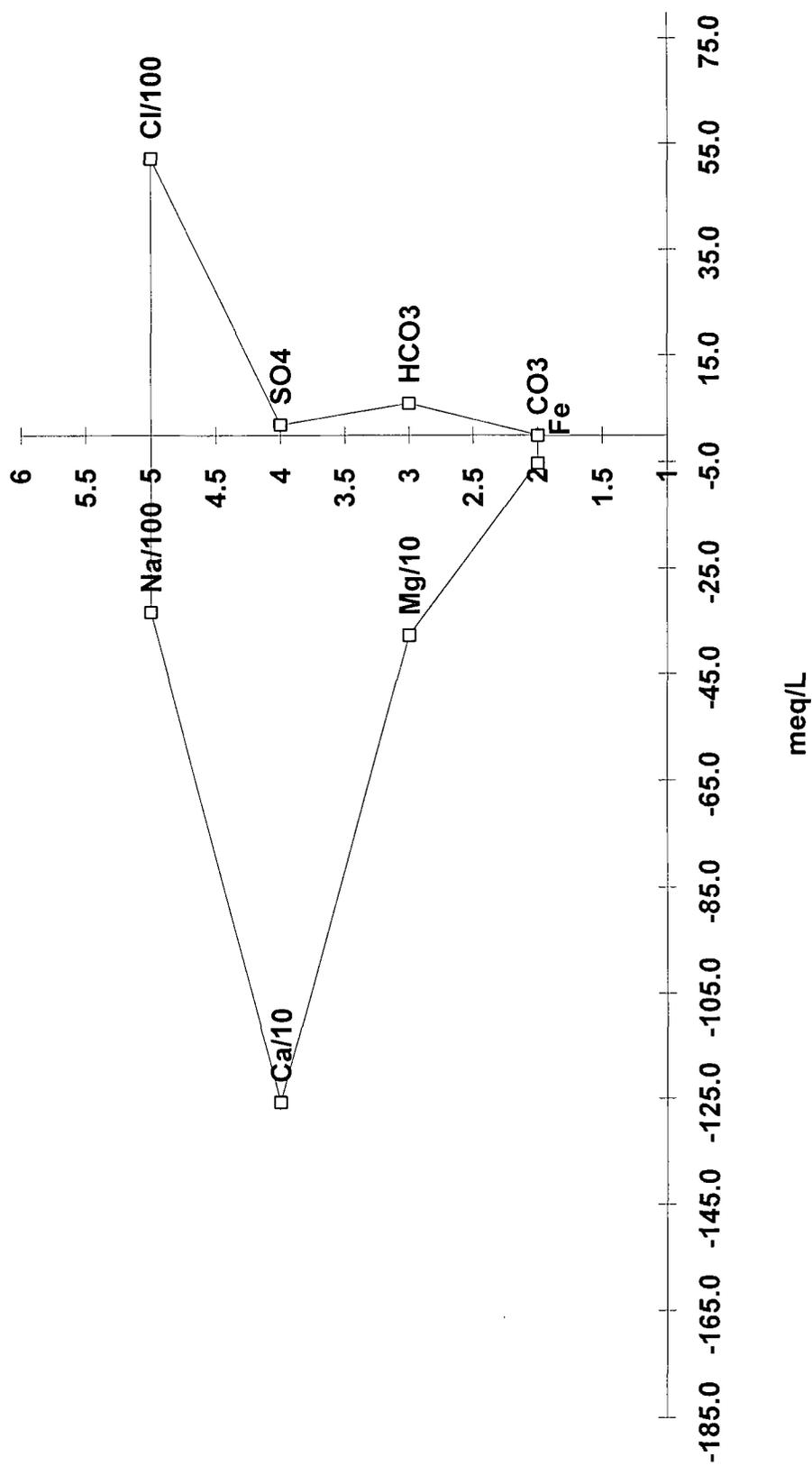


0' GL
20' KB
40' 20" CONDUCTOR
454' 8-5/8" 32# J55 CSG
12-1/4" HOLE
5050' DV tool
6150' 5-1/2" 15.5# J-55 CSG
6557' 5-1/2" 17# L80 MRKR JT
7038-298' OA LBC Perfs
7098' 5-1/2" 17# L80 MRKR JT
7194' TOP PERF INTERVAL
7204' PERF 7194-7204' "Y"
1 SPF 0° PHSG 10 SHOTS
7279' PERF 7279-89' "Z"
7289' 1 SPF 0°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

PBTD: 7505'
TD: 7600'

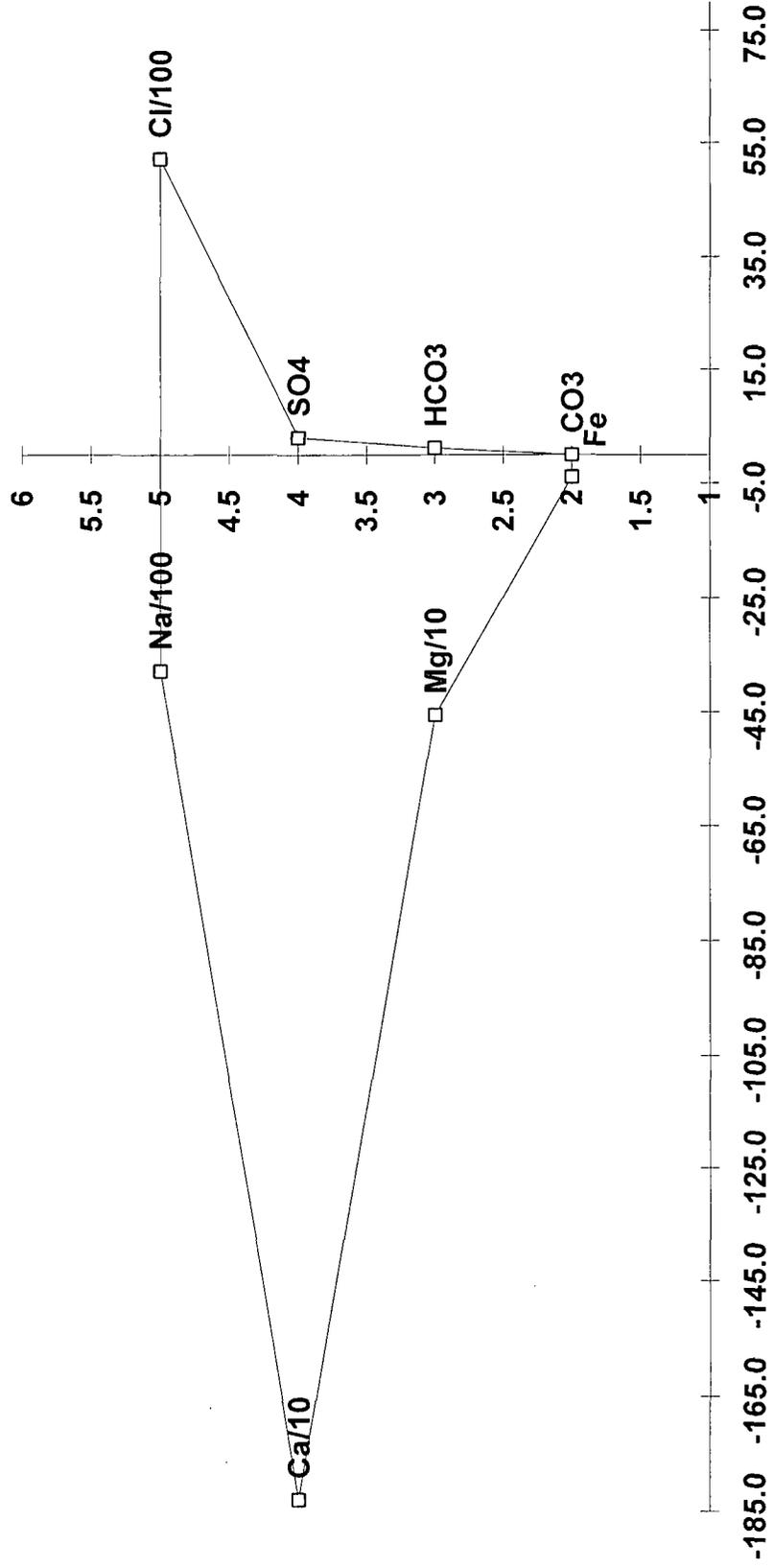
Updated: 1/15/2010
Author: ezg
Engr: JBB

PLU 214 ALL ZONES INCL AVALON



—□— PRODUCED WATER

PLU 214 DELAWARE ONLY

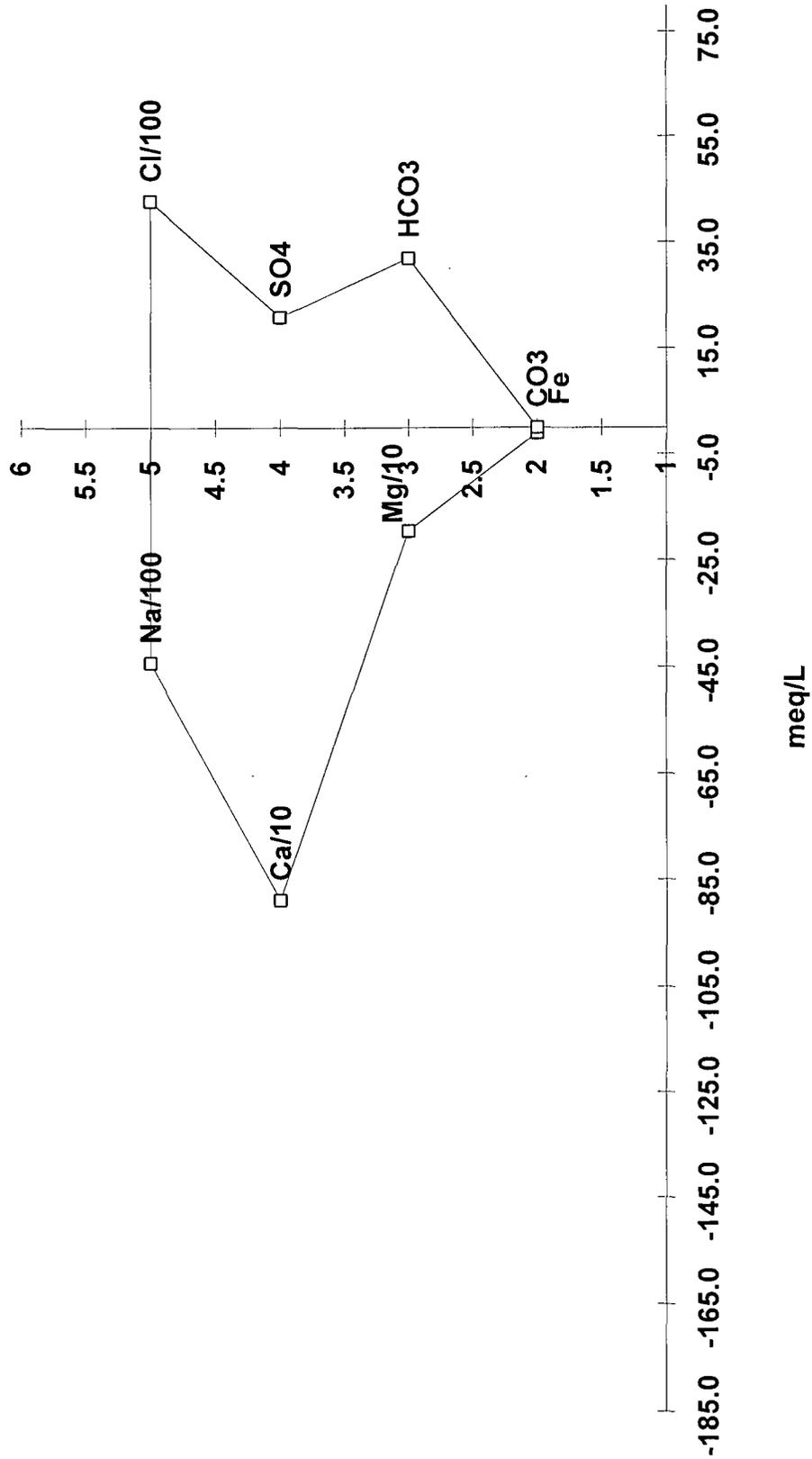


5/5/2010

meq/L

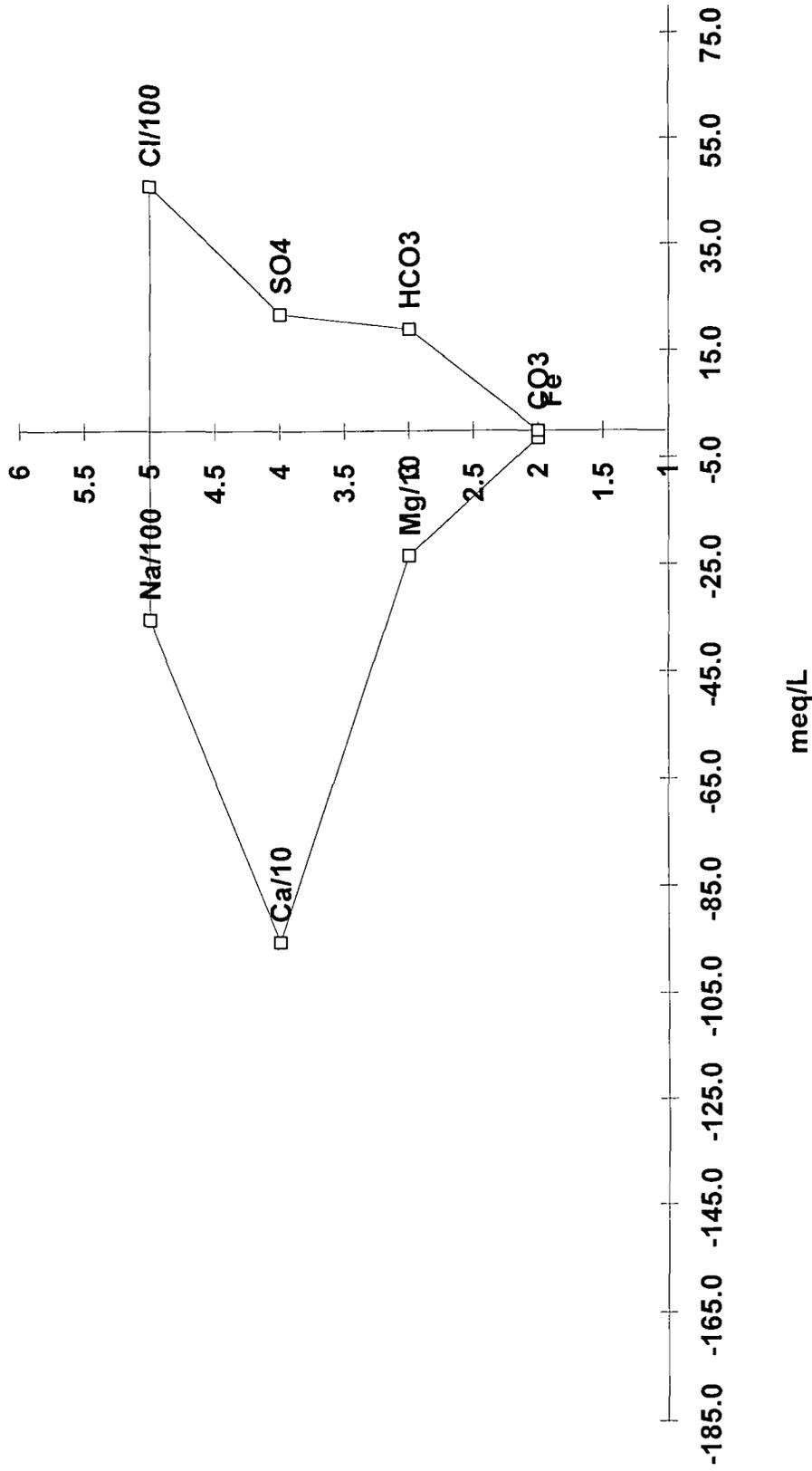
□ PRODUCED WATER

PLU 260 ALL ZONES INCL AVALON



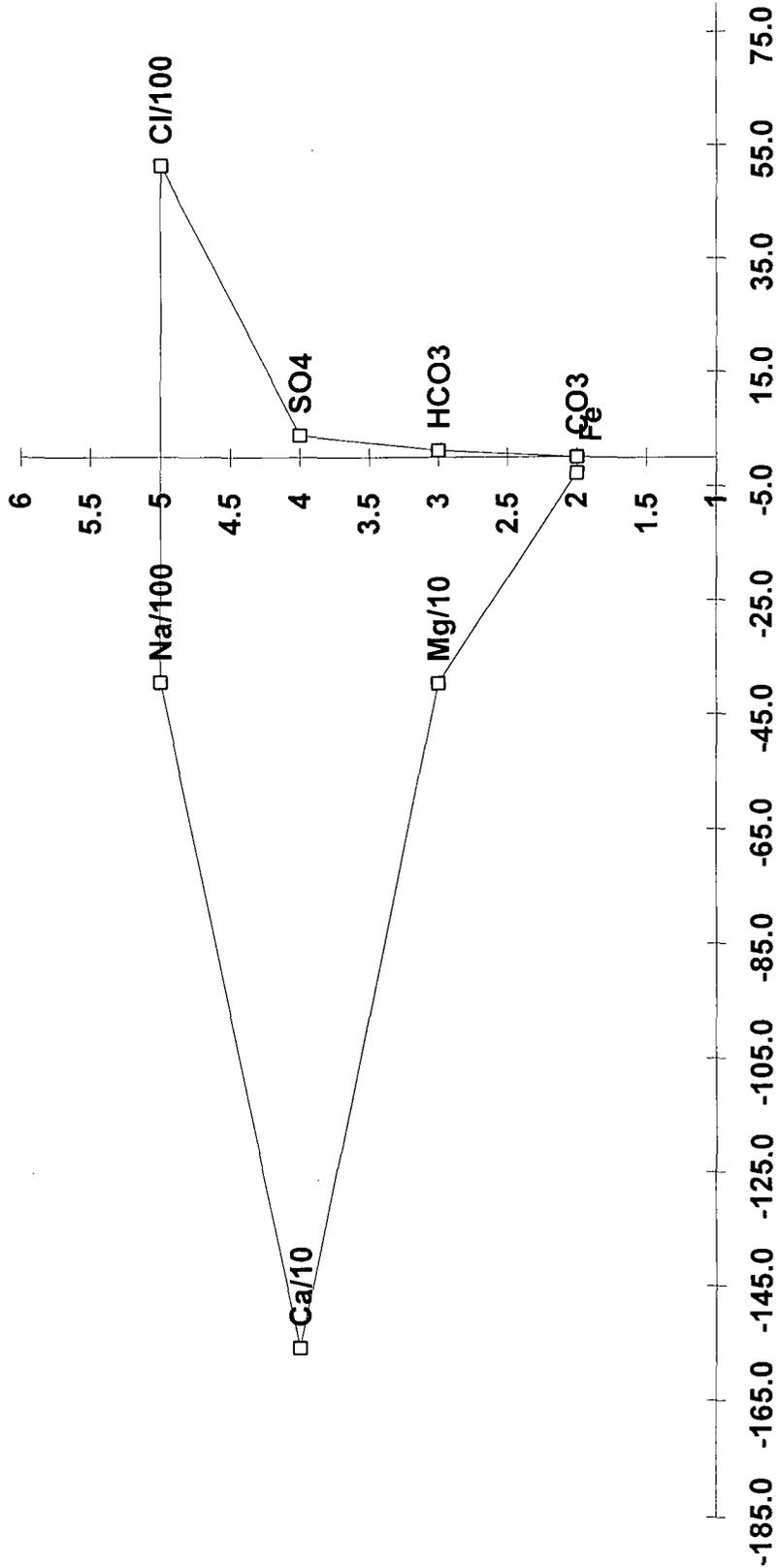
---□--- PRODUCED WATER

PLU 210 ALL ZONES INCL AVALON



-□- PRODUCED WATER

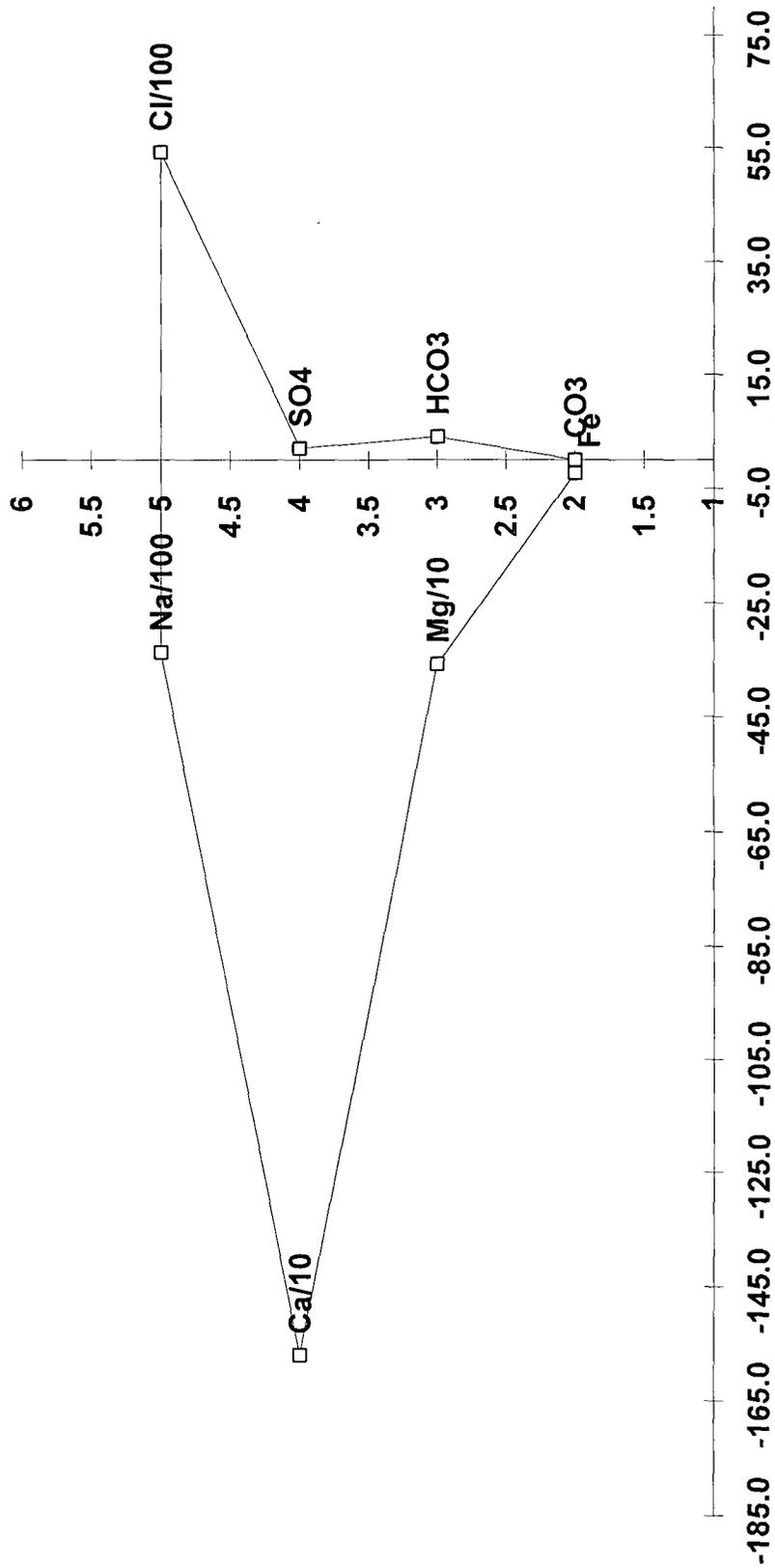
PLU 210 DELAWARE ONLY



meq/L

-□- PRODUCED WATER

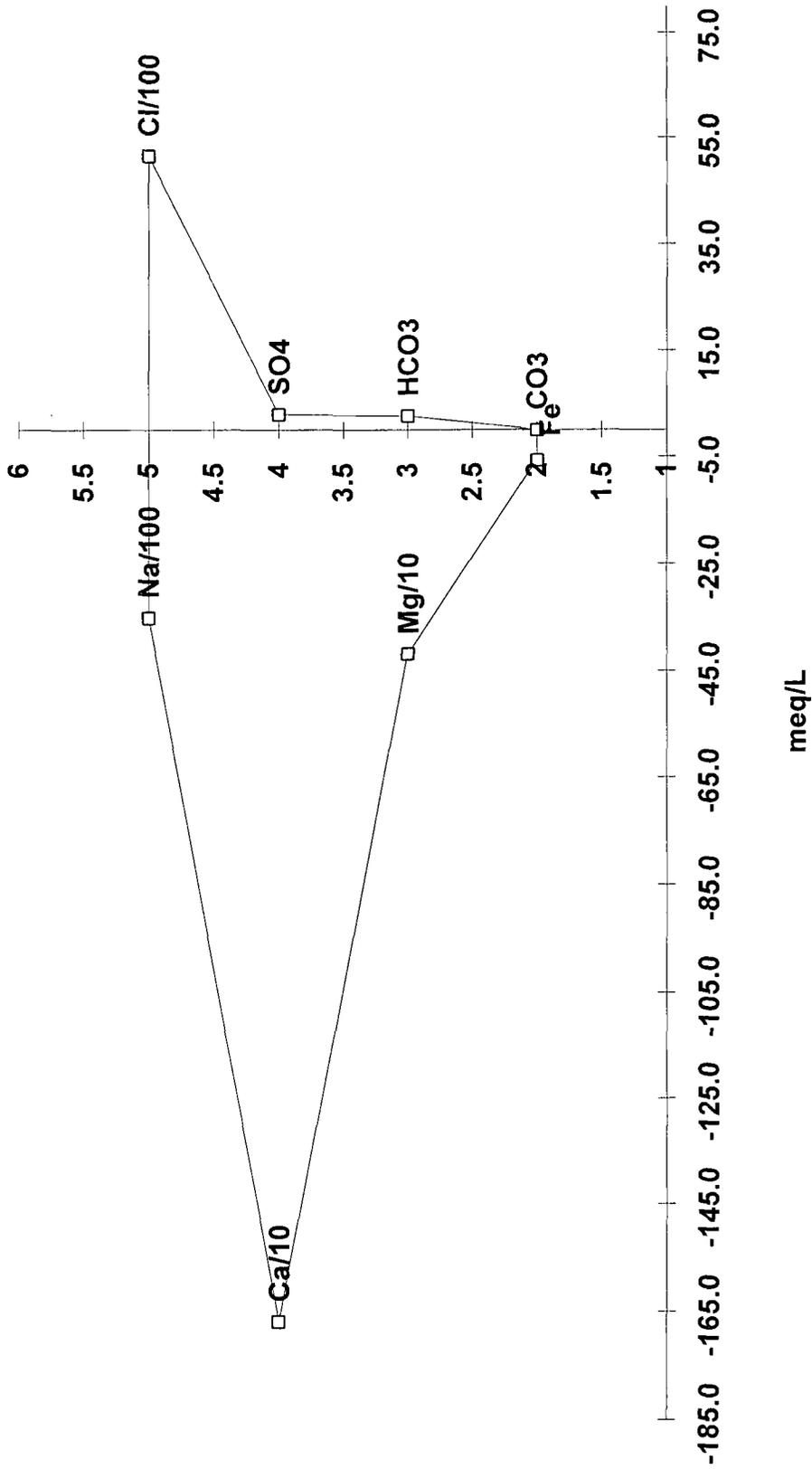
PLU 212 ALL ZONES INCL AVALON



meq/L

□ PRODUCED WATER

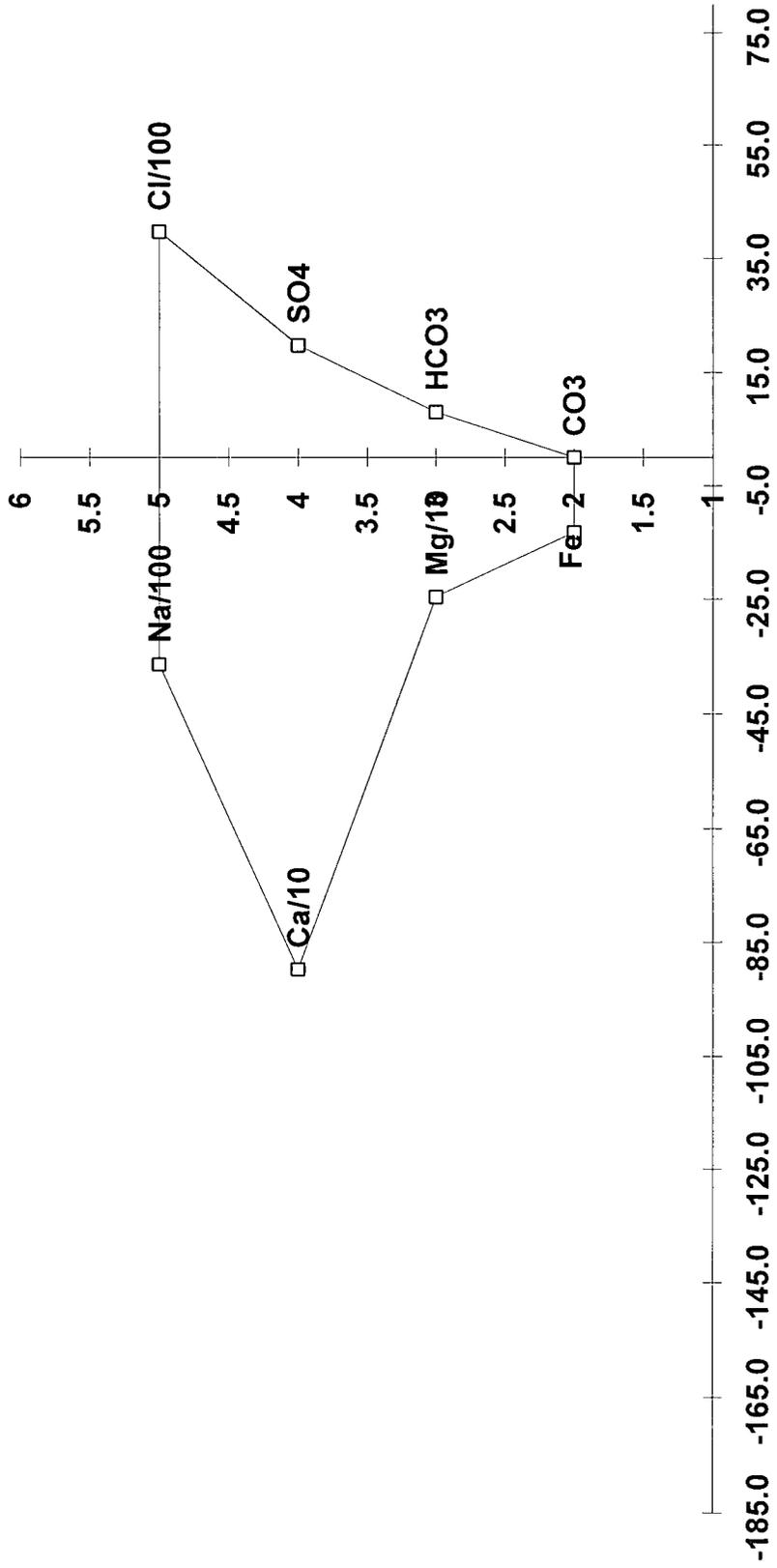
PLU 212 DELAWARE ONLY



5/5/2010

—□— PRODUCED WATER

PLU 213 AVALON ONLY



meq/L

□ PRODUCED WATER

RM

Form 3160-1 (April 2004)

RECEIVED

UNITED STATES DEPARTMENT OF THE INTERIOR OPERATOR'S COPY BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO 1004-0137 Expires March 31, 2007

MAR 26 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

ENTERED 4/23/10

BOPCO WTD PRODUCTION

1a. Type of Well [] Oil Well [X] Gas Well [] Dry [] Other
b. Type of Completion [] New Well [] Work Over [] Deepen [X] Plug Back [] Diff Resrv., Other

2. Name of Operator BOPCO, L P.

3. Address P O Box 2760 Midland Tx 79702

3 a. Phone No. (Include area code) (432)683-2277

4. Location of Well (Report location clearly and in accordance with Federal requirements)

At Surface ULK, 1980' FSL 1980' FWL; Sec. 3, T-25S, R31E

At top prod interval reported below

At total depth

RECEIVED APR -1 2010 NMOCD ARTESIA

5. Lease Serial No. NM 031383

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no. NMNM 71016

8. Lease Name and Well No. Poker Lake Unit 67

9. API Well No. 30-015-25263

10. Field and Pool, or Exploratory Cotton Draw; Atoka, South

11. Sec., T., R., M., on Block and Survey or Area 3; T25S, R31E

12. County or Parish Eddy 13. State NM

14. Date Spudded

15. Date T.D. Reached

16. Date Completed [] D & A [X] Ready to Prod 02/11/2010

17. Elevations (DF, RKB, RT, GL)* 3424 GL

18. Total Depth MD 15,610 TVD

19. Plug Back T.D. MD 14,490 TVD

20. Depth Bridge Plug Set. MD 14,530 TVD

21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? [X] No [] Yes (Submit analysis) Was DST run? [X] No [] Yes (Submit analysis) Directional Survey? [X] No [] Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Table with columns: Hole Size, Size/Grade, Wt (#/ft), Top (MD), Bottom (MD), Stage Cementer Depth, No of Skis & Type of Cement, Slurry Vol. (BBL), Cement Top*, Amount Pulled. Includes 'ATTACHMENT' and 'CONFIDENTIAL' watermark.

24. Tubing Record

Table with columns: Size, Depth Set (MD), Packer Depth (MD), Size, Depth Set (MD), Packer Depth (MD), Size, Depth Set (MD), Packer Depth (MD). Includes entry for 2-3/8" tubing.

25. Producing Intervals

26. Perforation Record

Table with columns: Formation, Top, Bottom, Perforated Interval, Size, No Holes, Perf. Status. Includes entries for Atoka and Morrow formations.

27. Acid Fracture, Treatment, Cement Squeeze, Etc

Table with columns: Depth Interval, Amount and Type of Material. Includes entries for acidizing and fracturing treatments.

28. Production - Interval A

Table with columns: Date First Produced, Test Date, Hours Tested, Test Production, Oil BBL, Gas MCF, Water BBL, Oil Gravity Corr API, Gas Gravity, Production Method. Includes 'ACCEPTED FOR RECORD' stamp.

Production - Interval B

Table with columns: Date First Produced, Test Date, Hours Tested, Test Production, Oil BBL, Gas MCF, Water BBL, Oil Gravity Corr API, Gas Gravity, Well Status. Includes signature of Chris Walls.

(See Instructions and spaces for additional data on page 2)

Handwritten signature

28b Production - Interval C

| | | | | | | | | | |
|---------------------|--------------------|--------------|----------------------|---------|---------|-----------|----------------------|-------------|-------------------|
| Date First Produced | Test Date | Hours Tested | Test Production → | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr API | Gas Gravity | Production Method |
| Choke Size | Tbg. Press Flwg SI | Csg Press | 24 Hr. Rate → | Oil BBL | Gas MCF | Water BBL | Gas : Oil Ratio | Well Status | |

28c Production - Interval D

| | | | | | | | | | |
|---------------------|--------------------|--------------|----------------------|---------|---------|-----------|----------------------|-------------|-------------------|
| Date First Produced | Test Date | Hours Tested | Test Production → | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr API | Gas Gravity | Production Method |
| Choke Size | Tbg. Press Flwg SI | Csg Press | 24 Hr. Rate → | Oil BBL | Gas MCF | Water BBL | Gas : Oil Ratio | Well Status | |

29 Disposition of Gas (Sold, used for fuel, vented, etc.)

30 Summary of Porous Zones (Include Aquifers).

Show all important zones or porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31 Formation (Log) Markers

| Formation | Top | Bottom | Descriptions, Contents, etc | Name | Top |
|-----------|-----|--------|-----------------------------|------|-------------|
| | | | | | Meas. Depth |
| | | | | | |

32 Additional remarks (include plugging procedure)

33 Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd)
 Geological Report
 DST Report
 Directional Survey
 Sundry Notice for plugging and cement verification
 Core Analysis
 Other

34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Sandra J. Belt ext. 149 Title Regulatory Clerk

Signature *Sandra J. Belt* Date 03/05/2010

Title 18 U.S.C. Section 101 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States and false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

