

DATE IN 6-1-10	SUSPENSE	ENGINEER WJ.	LOGGED IN 6-1-10	TYPE SWD	APP NO. 1015232967
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Final 6/2/10
No TSEC

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505



BOPCO
RECEIVED OCD
BEU # 122

BEU 122 **ADMINISTRATIVE APPLICATION CHECKLIST**

2010 JUN -1 A 11:18

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

30-015-27454

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 _____

6/1/10 CRED

- [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.

Valerie Truax
Print or Type Name

Valerie Truax
Signature

Reg Clerk
Title

5/24/10
Date

vtruax@basspet.com
e-mail Address

PT6W 1015232967

BOPCO (260737)

Big Eddy Unit #122

30-015-27454

FAX (432) 687-0329

Fed.

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

(432) 683-2277

May 24, 2010

Potash Area?

**Re: Notice of Application for
Authorization to Convert to SWD
Big Eddy Unit #122
Eddy County, New Mexico
File: 100-WF: BEU122.C108**

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 Big Eddy Unit #122, located in Section 4, T20S, R31E, Eddy County, New Mexico. It is our intention to add perforations to the Delaware as shown on the attached well-bore sketch.

The subject well is on Federal land and a complete copy of the application has been sent to the BLM's Carlsbad office via Certified Mail. Please find a copy of the notice attached. I will provide a copy of the signed receipt card when it returns.

If additional information is required, please contact Valerie Truax at the letterhead address, phone number or via email at vltruax@basspet.com

Sincerely,



Valerie Truax
Regulatory Clerk

RECEIVED OGD
2010 MAY 27 AM 11:26

vlt
Attachments

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:
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: Valerie Truax TITLE: Regulatory Clerk
SIGNATURE:  DATE: 05/24/2010
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: _____

III. Well Data

- A. 1) Lease name: Big Eddy Unit
 Well #: 122
 Section: 4
 Township: 20S
 Range: 31E
 Footage: 1980' FNL & 1980' FWL

- 2) Casing Info:

Casing size	Set depth	Sacks cmt	Hole size	TOC	Method
11-3/4" 42# ST&C	869'	610	14-3/4"	Surface	Circulated
8-5/8" 24#, 28# K-55, S-80 ST&C	4194'	625	11"	2560'	TOC
5-1/2" 17# S-95, K-55, N-80 LT&C	11,600'	1,550	7-7/8"	3000'	TOC
	11,229'-12,850'	150	4-3/4"	11,229'	TOL

- 3) Tubing to be used (size, lining material, setting depth):
 2-7/8" 6.5# J-55 Seal Tite IPC tbg set @ 4,600'.

- 4) Name, model, and depth of packer to be used:
 Lokset Nickel Plated EXT/INT PC PKr set @ 4,600'.

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

- 2) The injection interval and whether it is perforated or open hole:
 Additional Delaware perms will be added from 4,670'-6,800' 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 (Strawn 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 perms located at 6,875-6,892'. CIBP will be set at 6,870' w/ 35' Class C cmt dump bailed.

- 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 @ 6940'



GPM S CORPORATION



SHEET NO. 1 OF 1

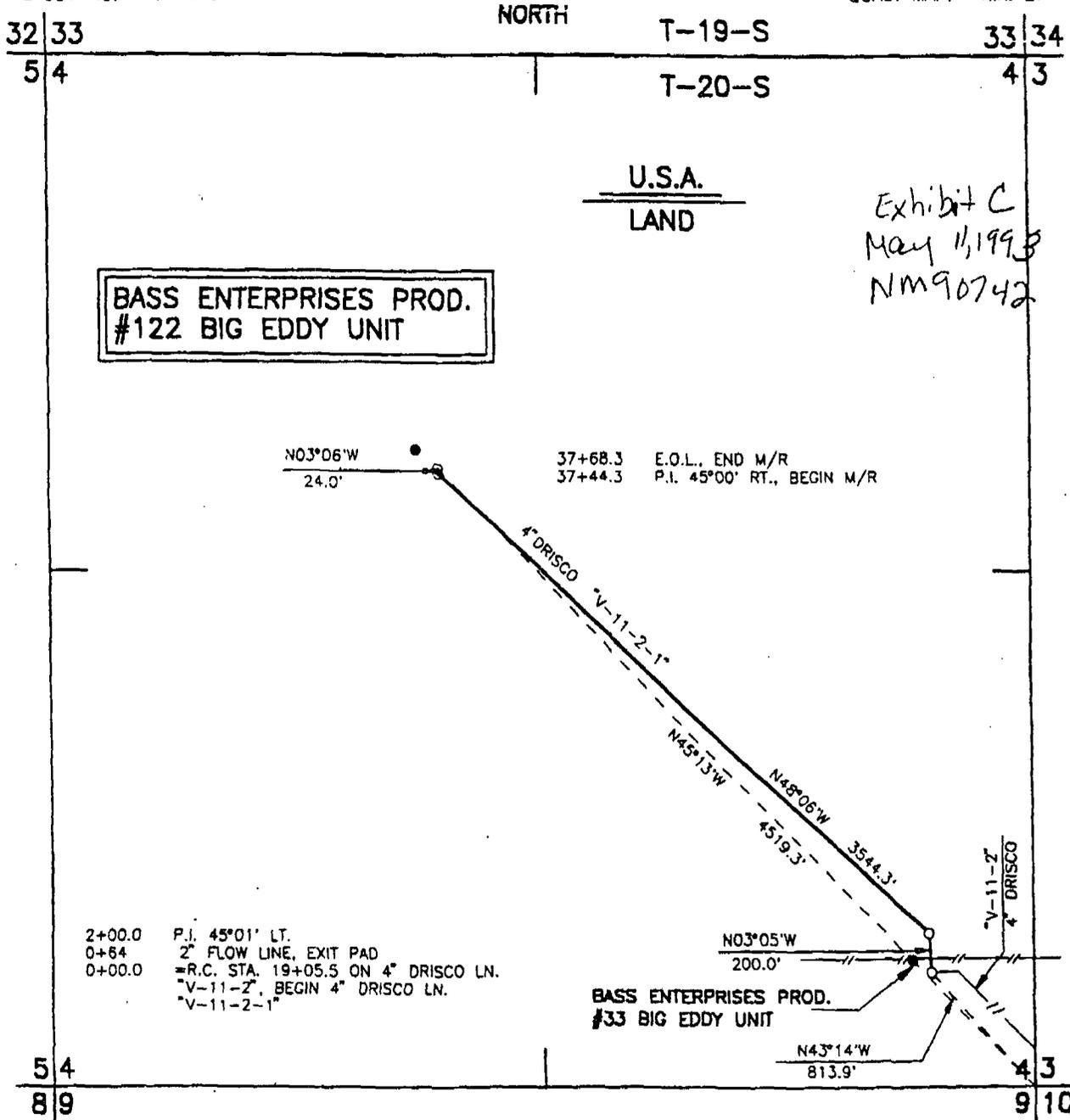
NATURE OF WORK SURVEY 4" DRISCO PL. & J. L.P.M.S. TO CONNECT THE BASS ENTERPRISES PROD., #122 BIG EDDY UNIT DATE 4/27/93 LINE NO. "V-11-2-1"

DISTRICT NEW MEXICO REGION PLANT OR STATION ZIA GS JOB OR AFE NO. NG-N93E4

SEC. 4 TWP. 20-S RANGE 31-E SURVEY NMPM CO. EDDY STATE N.M.

STUDY NO. 93ZIA003

QUAD. MAP: R.R. 27



SCALE: 1" = 800'

REMARKS A PROPOSED 4" DRISCO PIPELINE
A 3768.3 FOOT STRIP OF LAND 50.0 FEET WIDE OR 0.71 MILES
IN LENGTH.

F/N BY JOHN WEST ENGINEERING - HOBBS, JLP#78, 93-11-0678

GPM0676

SIGNED Sytha Colston GROUP OR CORP. STAFF G & GL

FOR CHANGES & RESURVEYS, THIS PLAT TO BE ACCOMPANIED BY PIPE LINE REPORT, FORM NO. 3997

PC - DE SURVEYING, MAPPING & PIPELINE RECORD SECTION

FROM: S. COLSTON
RE: RESURVEY STAKING
PTRE&C NO: EDDY 1201
DENI LORSON, 149 PBA B'VILLE (ORIGINAL)

CC: PLANT ZIA GS
JIM BRANTLEY, ODESSA
YOLANDA GALVAN, ODESSA
WILSON VANLOON, ODESSA
T. S. RENDON, HOBBS
SHON WILLIAMS, HOBBS
J. L. SWITZER, BORGER
AFE FILES
RESURVEY BOOK
D.O.T. FILES

BARTLESVILLE OFFICE TO FILL IN BELOW	
MAP NO.	SHT. NO.
PLOTTED BY	
DATE	

FORM 13397-N 6-29

39087

PROPOSED WELLBORE DIAGRAM

Lease: **BIG EDDY UNIT**

Well No.: **122**

Field: **HACKBERRY (MORROW) SE GAS - ACT**

HACKBERRY (STRAWN) SOUTH

Location: **1980' FNL & 1980' FWL, SEC 4, T20S, R31E**

County: **EDDY** St: **NM**

API: **30-015-27454**

Surface Csg.

Size: 11 3/4
 Wt: 42
 Grd: H-40
 Set @: 869
 Sxs cmt: 610
 Circ: Y
 TOC: Surf
 Hole Size 14 3/4

Intermediate Csg.

Size: 8 5/8
 Wt: 24/28
 Grd: K55/S80
 Set @: 4194
 Sxs Cmt: 625
 Circ: N
 TOC: 2560 est
 Hole Size 11 to 4200

Production Csg.

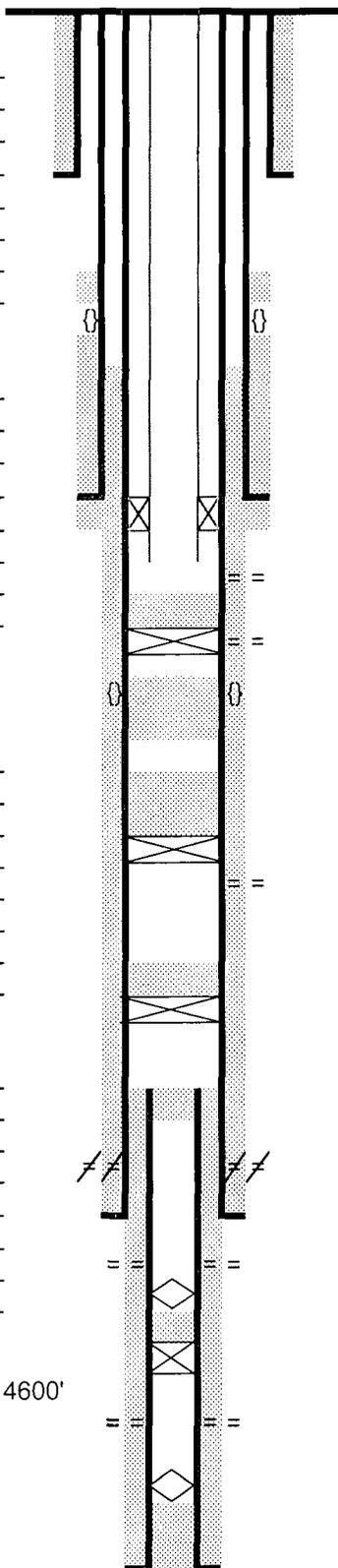
Size: 5 1/2
 Wt: 17
 Grd: K55/N80/S95
 Set @: 11600
 Sxs Cmt: 1550
 Circ: N
 TOC: 3000 est
 Hole Size 7 7/8

Production Csg.

Size: 3 1/2
 Wt: 9.3
 Grd: L-80
 Set @: 11229-12850
 Sxs Cmt: 150
 Circ: Y
 TOC: 11229 TOL
 Hole Size 4 3/4

tubing

2 7/8" J-55 Seal Tite IPC @ 4600'



869' 11 3/4
 Yates 2580'
 2560' TOC 8 5/8" csg
 2872' DVTool
 3000' TOC 5 1/2" csg
 Delaware 4186'
 4194' 8 5/8
Lokset Nickel Plated Ext/Int pkr @ 4600'
EOT 4600'
Injection Interval - 4670' - 6800'
CIBP @ 6870' w/ 35' CI C cmt dump bailed
 6875-92' LBC Perfs
 7009' DVTool
 6948 - 7088' - 25 sxs CI C cmt
 9999 - 10368' - 30 sxs CI H cmt
 10368' CIBP
 10378-98' Wolfcamp Perfs
 11147 - 11190' - Dumped bailed 35' cmt on CIBP
 11190' CIBP
 11245 - 11345' - Cement plug, 60 sxs CI H
 11368 - 11412' - Strawn (Sqzd)
 11600' 5 1/2
 12440 - 12484' - Morrow
 Fish: Blanking Plug
 12620' 30' CI H cmt cap
 12650' CIBP
 12714 - 12728' - L Morrow Perfs
 cone from bit
 12785'
 12850' 3 1/2

KB: 3503'
GL: 3486'
Spud Date: 6/24/93
Compl. Date: 8/23/93
TA'D: 7/26/07
RE-ENTERED: 1/14/10

PBTD: 6948

TD (1993): 11600

LOGGERS TD (1997): 12850

Updated: 5/6/10
 Author: crm
 Engr: CCC

Current Wellbore Diagram



Schematic - Production

Well ID: 30-015-27454

Field: Hackberry Strawn, South 29460

BOPCO, L.P. - West Texas

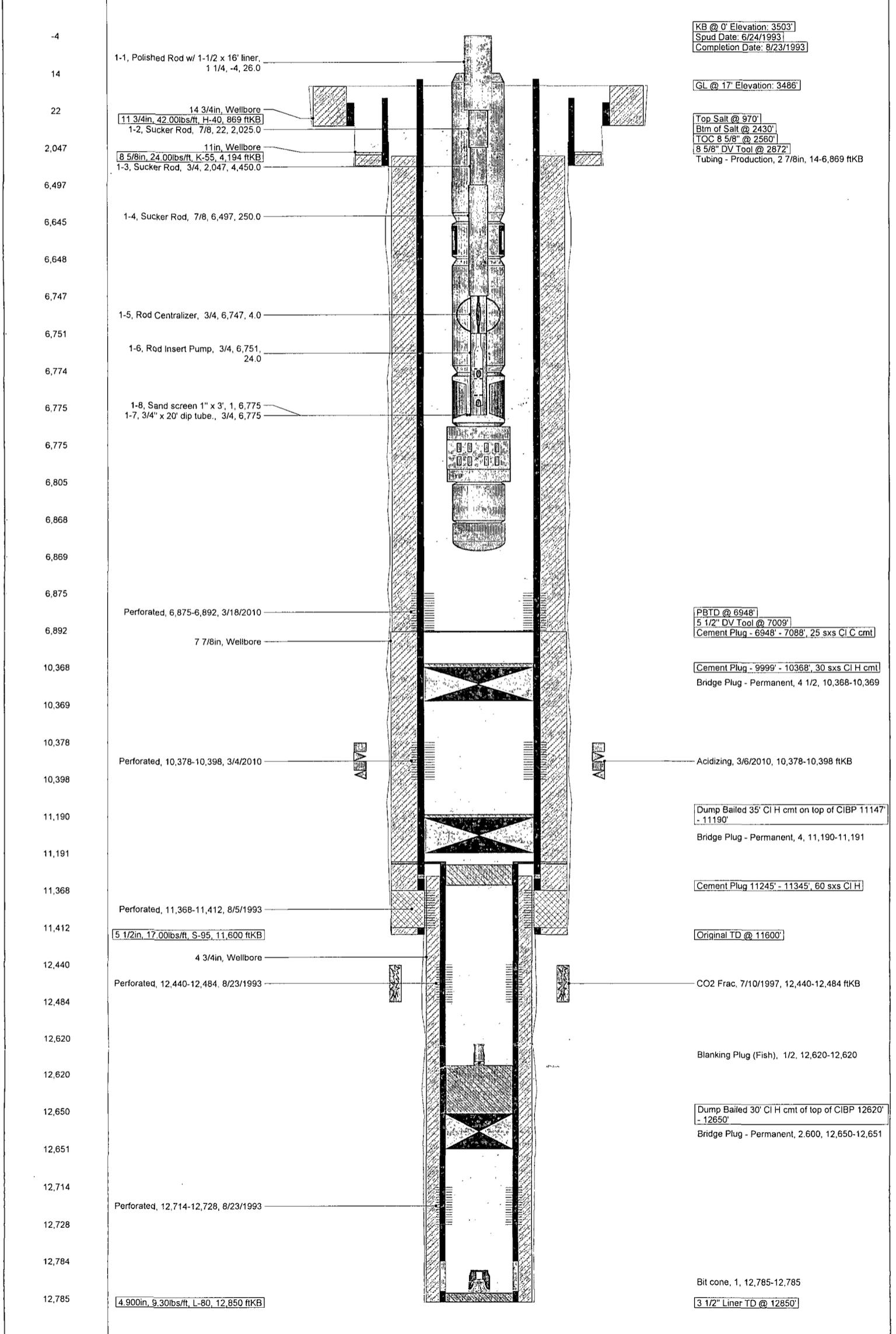
Well Name: BIG EDDY UNIT #122

Sect: Town 20S Rng: Eddy Co., State: New Mexico

Most Recent Job

Job Category Completion/Workover	Primary Job Type Recompletion	Secondary Job Type	Job Start Date 3/3/2010	Job End Date 3/10/2010
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Well Config: - Original Hole, 5/7/2010 8:52:56 AM
Schematic - Actual



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	Construction					Stimulation			
						Surface Casing	Intermediate Casing	Production Casing	Tubing	Spud Date		Comp Date	TD	Perforations
ies-Federal	1	30-015-05820	Culbertson & Irwin	P&A	1980' FSL & 1980' FEL, Sec 4, T20S, R31E	8-5/8" @ 925' CTS, C/50 sx	8-5/8" @ 423', C/300 sx, Lite. 900' NA	NA	NA	10/25/1944	11/20/1944	11,550'	NA	NA
Sobaek 33 Fed	1	30-015-27665	BOPCO, LP	Not Drilled	660' FSL & 2080' FWL, Sec 33, T19S, R31E	NA	NA	NA	NA	NA	NA	NA	NA	NA

2775 17

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected: 1500 average, 2,500 BWPD
2. Whether the system is open or closed: closed
3. Proposed average and maximum injection pressure: 834 psi average, 934 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: 275'
 Depth: 4186'-5940'

The Rustler Formation is a known source of fresh water throughout this geographic area. Average depth of Rustler is 687'-991'. 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 7-12% NEFE HCl per foot.

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

XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken. No known fresh water wells within one mile of proposed well.

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

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

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	720	720	Redbeds
720	760	40	Anhy. and red shale
760	770	10	Anhy.
770	790	20	Dolomite
790	860	70	Anhydrite
860	890	30	Dolomite
890	920	30	Anhy., Red Sand and Shale
920	2400	1480	Salt
2400	2455	55	Anhy.
2455	2590	135	Buff Dol., Anhy., Sand, Shale.
2590	2680	90	Brown Dol., Anhy., Sand
2680	2775	95	Gray Dol., Sand, Shale -- TD.
	2775		Sulphur Water--approximately 1 Bailer Per Hour.
			Plugged with 300# Lead Wool, 10 sax cement on bottom, mud to surface; 10 sax cement at base of Salt; 10 sax cement at top of Salt and 15 sax cement at surface.

2.

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly)

B. Date of Delivery

C. Signature

- Agent
- Addressee
- Yes
- No

X

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

7160 3901 9846 3454 5889

3. Service Type **CERTIFIED MAIL**

4. Restricted Delivery? (Extra Fee) Yes

1. Article Addressed to:

LINE 1

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

pey122
pey127
pswd

PS Form 3811, January 2005

Domestic Return Receipt

Thank you for using Return Receipt Service

FOLD AND TEAR HERE

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Monday, June 07, 2010 3:38 PM
To: 'Truax, Valerie L.'
Cc: Ezeanyim, Richard, EMNRD
Subject: Disposal application from BOPCO, L.P.: Big Eddy Unit #122

Hello Valerie:

I just glanced at this but to prevent delays until I can look at it further:

- a. One portion of the ½ mile circle falls outside the Big Eddy Unit. Who controls the Delaware minerals in Unit Letters M, N, and O of Sec 33 to the north? Were they notified?
- b. Does BOPCO control all rights within the Big Eddy Unit in the Delaware formation?... just concerned about within the ½ mile AOR...
- c. Who owns the surface of this well site?
- d. What members of the Delaware are in the depth range 4670 to 6800 feet? ... send geo picked formation tops....
- e. Do you have any evidence this interval is not productive? Log analysis, etc....

You have seen this, but copying the pertinent notice rules below:

19.15.26.7 DEFINITIONS:

A. "Affected person" means the division designated operator; in the absence of an operator, a lessee whose interest is evidenced by a written conveyance document either of record or known to the applicant as of the date the applicant files the application; or in the absence of an operator or lessee, a mineral interest owner whose interest is evidenced by a written conveyance document either of record or known to the applicant as of the date the applicant filed the application for permit to inject.

.....

(2) The applicant shall furnish, by certified or registered mail, a copy of the application to each owner of the land surface on which each injection or disposal well is to be located and to each leasehold operator or other affected person within any tract wholly or partially contained within one-half mile of the well.

Will Jones
New Mexico
Oil Conservation Division
Images Contacts

Jones, William V., EMNRD

From: Truax, Valerie L. [VLTruax@BassPet.Com]
Sent: Thursday, June 10, 2010 3:53 PM
To: Jones, William V., EMNRD
Subject: FW: BEU 122.....SWD conversion

From: Cruz, Carlos
Sent: Wednesday, June 09, 2010 3:19 PM
To: Truax, Valerie L.
Subject: Fw: BEU 122.....SWD conversion

From: Deans, Jack
To: Ludwick, Larry; Cruz, Carlos
Sent: Wed Jun 09 15:15:44 2010
Subject: RE: BEU 122.....SWD conversion

Carlos,

Well	T/BeC	T/CC	T/BrC
PLU 79	4070	4895	6262
PLU127	4033	4879	6227
BEU 122	No BC sand present, however T/ Delaware is 4188	4330	5600

Hope this helps.

Jack D. Deans
Geologist
BOPCO, L.P.
201 Main St., Ste. 2900
Fort Worth, TX 76102
817-390-8564
jdeans@basspet.com

From: Ludwick, Larry
Sent: Wednesday, June 09, 2010 8:41 AM
To: Cruz, Carlos
Cc: Deans, Jack
Subject: RE: BEU 122.....SWD conversion

Carlos,

We don't have las data for either the BEU 122 or the PLU 127 on our database; do you have? If not, I can probably get from data service that we use but may take a few days.

Jack,

Could you provide tops for Bell Canyon, Cherry Canyon, & Brushy Canyon for following wells; Midland needs for permitting SWD recompletions.

PLU 79; 30-015-27438
PLU 127; 30-015-29460
BEU 122; 30-015-27454

Larry Ludwick
BOPCO, L.P.
Petrophysical Specialist
Work: 817-339-7024
Cell: 817-692-0907
Email: lludwick@basspet.com

From: Cruz, Carlos
Sent: Tuesday, June 08, 2010 4:18 PM
To: 'Ludwick, Larry'
Subject: BEU 122.....SWD conversion

Larry,

Can we get some log analysis and tops on the BEU 122 as well? We are permitting this well for SWD also.

API# 30-015-27454
Permitted interval: 4670'-6800'

Thanks,

Carlos Cruz
BOPCo, L.P.
Division Production Superintendent
(432)683-2277 office
(432)238-9443 cell

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Monday, June 21, 2010 4:18 PM
To: 'Truax, Valerie L.'
Subject: RE: Disposal application from BOPCO, L.P.: Big Eddy Unit #122

Hello Valerie:
Did you send anything on items A, B, and C below?

[Will Jones](#)
New Mexico
Oil Conservation Division
[Images](#) [Contacts](#)

From: Jones, William V., EMNRD
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To: 'Truax, Valerie L.'
Cc: Ezeanyim, Richard, EMNRD
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(2) The applicant shall furnish, by certified or registered mail, a copy of the application to each owner of the land surface on which each injection or disposal well is to be located and to each leasehold operator or other affected person within any tract wholly or partially contained within one-half mile of the well.

[Will Jones](#)
New Mexico
Oil Conservation Division
[Images](#) [Contacts](#)

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Tuesday, June 22, 2010 9:28 AM
To: 'Truax, Valerie L.'
Subject: RE: Disposal application from BOPCO, L.P.: Big Eddy Unit #122

Hello Valerie:

When Brad talks to you, since he is your Landman, will you confirm with him that BOPCO owns everything in the ½ mile circle inside the BEU?

...then that leaves only Unit Letters M and N in Section 33 (to the North) for Brad to check on.

Let me know when Brad gets back to you.

Will Jones
New Mexico
Oil Conservation Division
[Images](#) [Contacts](#)

From: Truax, Valerie L. [mailto:VLTruax@BassPet.Com]
Sent: Tuesday, June 22, 2010 6:09 AM
To: Jones, William V., EMNRD
Subject: RE: Disposal application from BOPCO, L.P.: Big Eddy Unit #122

I have spoken to Brad Glasscock about item A – so I am waiting on him. As for B, I asked Carlos about those – we controls all rights within the BEU in the Delaware and the US owns the surface of the well site. Does this answer your questions – if not I can provide you with whatever else you may need. Thanks. Valerie

From: Jones, William V., EMNRD [mailto:William.V.Jones@state.nm.us]
Sent: Monday, June 21, 2010 5:18 PM
To: Truax, Valerie L.
Subject: RE: Disposal application from BOPCO, L.P.: Big Eddy Unit #122

Hello Valerie:
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New Mexico
Oil Conservation Division
[Images](#) [Contacts](#)

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- a. One portion of the ½ mile circle falls outside the Big Eddy Unit. Who controls the Delaware minerals in Unit Letters M, N, and O of Sec 33 to the north? Were they notified?

- b. Does BOPCO control all rights within the Big Eddy Unit in the Delaware formation?... just concerned about within the ½ mile AOR....
- c. Who owns the surface of this well site?
- d. What members of the Delaware are in the depth range 4670 to 6800 feet? ... send geo picked formation tops....
- e. Do you have any evidence this interval is not productive? Log analysis, etc....

You have seen this, but copying the pertinent notice rules below:

19.15.26.7 DEFINITIONS:

A. "Affected person" means the division designated operator; in the absence of an operator, a lessee whose interest is evidenced by a written conveyance document either of record or known to the applicant as of the date the applicant files the application; or in the absence of an operator or lessee, a mineral interest owner whose interest is evidenced by a written conveyance document either of record or known to the applicant as of the date the applicant filed the application for permit to inject.

.....

(2) The applicant shall furnish, by certified or registered mail, a copy of the application to each owner of the land surface on which each injection or disposal well is to be located and to each leasehold operator or other affected person within any tract wholly or partially contained within one-half mile of the well.

Will Jones
New Mexico
Oil Conservation Division
Images Contacts

Confidentiality Notice: This e-mail, including all attachments is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited unless specifically provided under the New Mexico Inspection of Public Records Act. If you are not the intended recipient, please contact the sender and destroy all copies of this message. -- This email has been scanned by the Sybari - Antigen Email System.

Truax, Valerie L.

From: Cruz, Carlos
Sent: Monday, June 28, 2010 9:29 AM
To: Truax, Valerie L.; Belt, Sandra J.
Subject: FW: BEU 122 SWD Conversion Notification
Attachments: 19S-31E-W2.pdf; 20-31-5-E2.xls

Carlos Cruz
BOPCo, L.P.
Division Production Superintendent
(432)683-2277 office
(432)238-9443 cell

*NOTICES Sent when?
7/1/10*

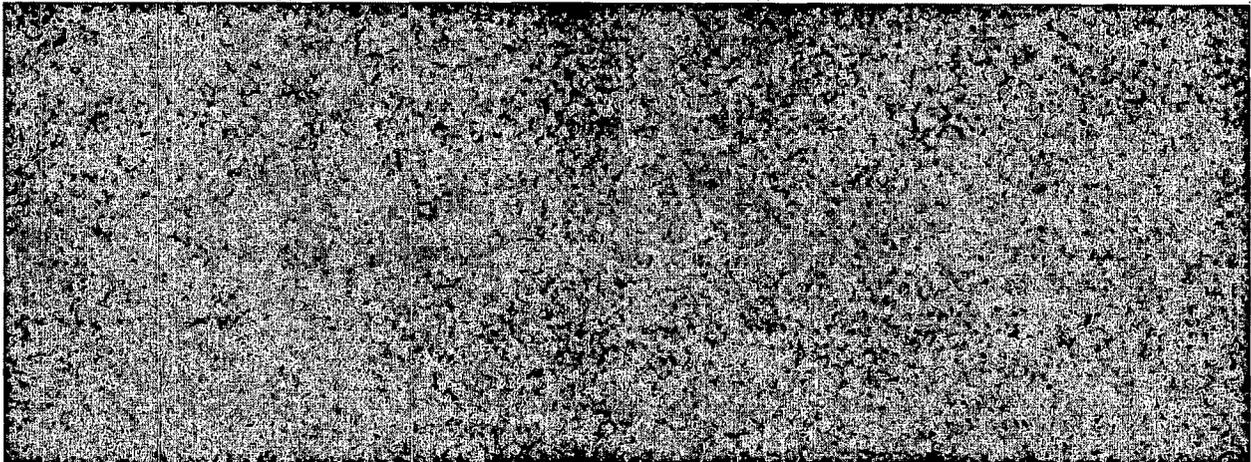
From: ~~Glasscock, Brad~~
Sent: Monday, June 28, 2010 8:58 AM
To: ~~Cruz, Carlos~~
Cc: Montgomery, Monty
Subject: BEU 122 SWD Conversion Notification

Carlos,
Please send SWD notifications the owners listed on the attached reports. Oxy is the only other owner in Section 4, 20S-31E that needs to be notified. Let me know if you need any additional information.

Thanks,

Brad Glasscock
BOPCO, L.P.
201 Main Street, Suite 2900
Fort Worth, TX 76102
Office : (817)339-7185
Cell : (817)821-0824
Fax: (817)339-7102

6/29/2010



Leasehold Takeoff

June 24, 2010

Township 20 South, Range 31 East, NMPM, Eddy County , New Mexico

Section 5: Lots 1-2, S/2NE/4, SE/4 (E/2)

Last Instrument: 668/893 Recorded: 11/07/2006

Lease # 1:

Federal Oil & Gas Lease: FED NMLC-068408
 Lessee: Woodlan P. Saunders
 Land Description: Lots 1-2, S/2NE/4, SE/4 (E/2)
 Date Issued: 11/1/1951
 Royalty Rate: 1/8
 Held By Production: HBP

WI only

E/2

Limited to depths from the surface to the base of the Strawn formation

Owner	WI	NRI	INT - TYPE	Net Acres
MMS		0.12500000	RI	
Cannon Exploration 3608 S. County Road #1184 Midland, TX 79701 (SEE NOTE #1)		0.00075000	ORRI	
Hollyhock Corp. 3907 Crestgate Midland, TX 79707 (SEE NOTE #1)		0.00075000	ORRI	
Pathfinder Exploration Company 4306 Crestgate Midland, TX 79707 (SEE NOTE #1)		0.00112500	ORRI	
Tara-Jon Corp. 6003 Meadowview Lane Midland, TX 79707 (SEE NOTE #1)		0.00112500	ORRI	
Rio Pecos Corp. 110 W. Louisiana #210 Midland, TX 79701 (SEE NOTE #1)		0.00112500	ORRI	
Occidental Permian Ltd. P.O. Box 4294 Houston, TX 77210 (SEE NOTE #1)		0.02500000	ORRI	
Wills Royalty, Inc. P.O. Box 1658 Carlsbad, NM 88220		0.01000000	PP	
Woodlan P. Saunders 1442 Seville Rd Santa Fe, NM		0.02000000	PP	
Pathfinder Exploration Company 4306 Crestgate Midland, TX 79707 (SEE NOTE #1)	0.02500000	0.01987500	WI	7.88
Tara-Jon Corp. 6003 Meadowview Lane Midland, TX 79707 (SEE NOTE #1)	0.02500000	0.01987500	WI	7.88

Rio Pecos Corp. 110 W. Louisiana #210 Midland, TX 79701 (SEE NOTE #1)	0.02500000	0.01987500	WI	7.88
Cannon Exploration 3608 S. County Road #1184 Midland, TX 79701 (SEE NOTE #1)	0.05000000	0.03975000	WI	15.77
Hollyhock Corp. 3907 Crestgate Midland, TX 79707 (SEE NOTE #1)	0.05000000	0.03975000	WI	15.77
SRBI O&G NM LLC 201 Main Street #2700 Fort Worth, TX 76012	0.09375000	0.07921875	WI	29.57
Thru Line O&G NM LLC 201 Main Street #2700 Fort Worth, TX 76012	0.09375000	0.07921875	WI	29.57
Keystone O&G NM LLC 201 Main Street #2700 Fort Worth, TX 76012	0.09375000	0.07921875	WI	29.57
LMBI O&G NM LLC 201 Main Street #2700 Fort Worth, TX 76012	0.09375000	0.07921875	WI	29.57
CTV O&G NM LLC 201 Main Street #2700 Fort Worth, TX 76012	0.12500000	0.10562500	WI	39.42
Khody Land & Minerals Co. 3817 NW Expressway, Suite 950 Oklahoma City, OK 73112 (SEE NOTE #1)	0.32500000	0.25350000	WI	102.50
Total	1.00000000	1.00000000		315.37

NOTE #1: Subject to Assignment dated 10/01/1991 from Amoco Production Company to Rio Pecos Corporation assigning 50.0% interest in the captioned lease, lands & depths for a **term of 3 years** or for as long as producing in commercial quantities. Has a 120 day continuous drilling clause and at expiration of primary term and/or continuous drilling, all lands not in a producing proration unit as well as depths 100 feet below total depth drilled in producing proration units revert back to Assignor. BLM (by Shutz Abstract) shows operating rights in owners above, although there does not appear to be a producing well in captioned lands.

E/2

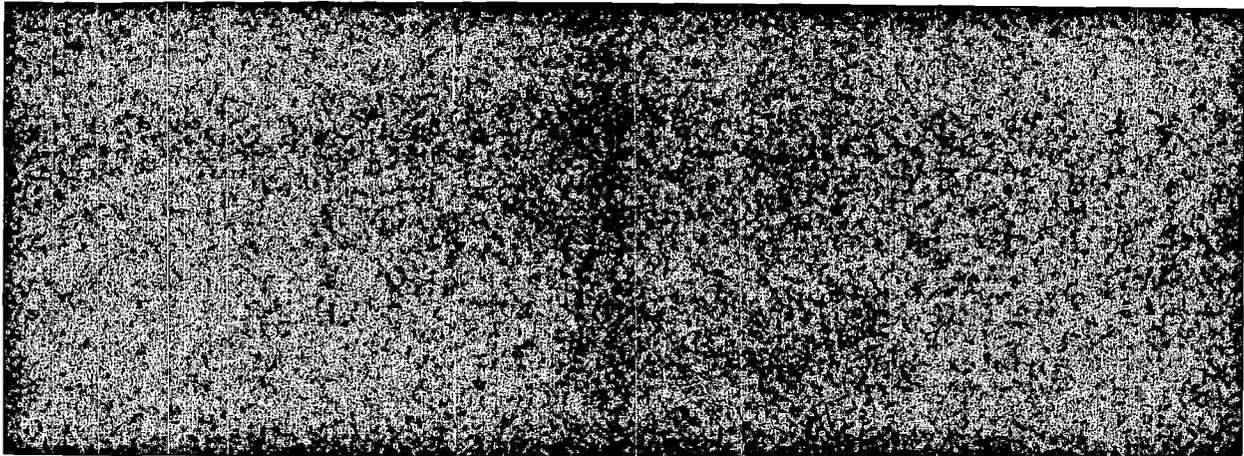
Limited to depths below the base of the Strawn formation

Not there

Owner	WI	NRI	INT - TYPE	Net Acres
MMS		0.12500000	RI	
Wills Royalty, Inc. P.O. Box 1658 Carlsbad, NM 88220		0.01000000	PP	
Woodlan P. Saunders 1442 Seville Rd Santa Fe, NM		0.02000000	PP	
SRBI O&G NM LLC 201 Main Street #2700 Fort Worth, TX 76012	0.18750000	0.15843750	WI	59.13
Thru Line O&G NM LLC 201 Main Street #2700 Fort Worth, TX 76012	0.18750000	0.15843750	WI	59.13
Keystone O&G NM LLC 201 Main Street #2700 Fort Worth, TX 76012	0.18750000	0.15843750	WI	59.13

LMBI O&G NM LLC 201 Main Street #2700 Fort Worth, TX 76012	0.18750000	0.15843750	WI	59.13
CTV O&G NM LLC 201 Main Street #2700 Fort Worth, TX 76012	0.25000000	0.21125000	WI	78.84
Total	1.00000000	1.00000000		315.37

NOTE: Subject to the Big Eddy Unit Agreement dated 04/10/1952 shown in Notice dated 4/10/1952 in OG Book 59 Page 507 with Richardson And Bass as Operator.

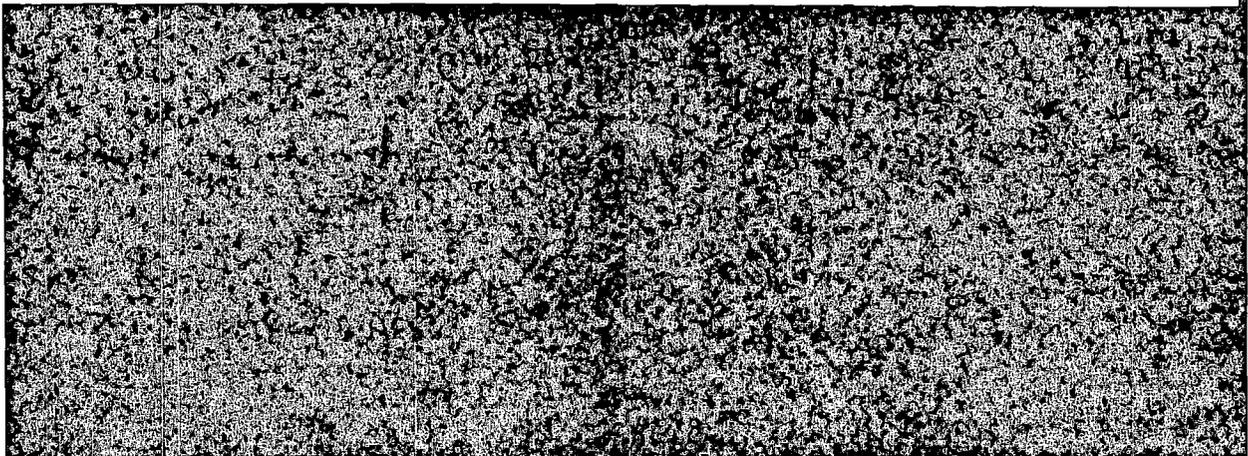


Page 2

T-19-S, R-31-E
Section 33: E2NW/4, SW/4
Eddy County, New Mexico
June 17, 2010

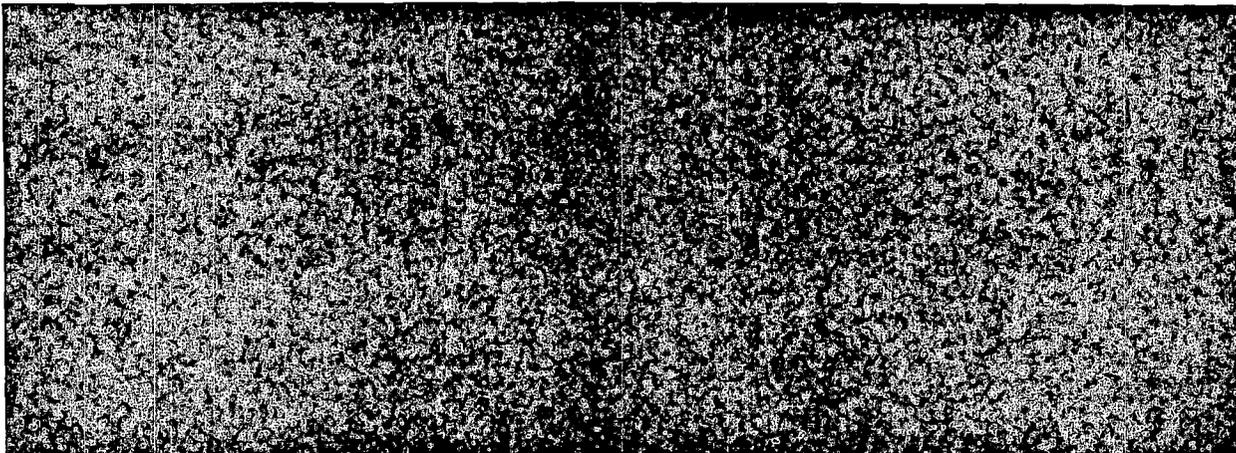
Grantee	Interest	Comments
Hanley Petroleum Inc. 415 West Wall #1500 Midland, TX 79701	25%	1/8 th royalty
Hanley OAD Ltd. IV 415 West Wall #1500 Midland, TX 79701	75%	1/8 th royalty

Oil and Gas Lease NM 97136 from U.S. dated 9-1-1996.



T-19-S, R-31-E
Section 33: W/2NW/4
Eddy County, NM
June 17, 2010

Vol/Page	Date	Grantor	Grantee	Comments
NM 101113	9-1-1998	U.S.	Devon Energy Prod. Co. LP 20 N. Broadway #1500 Oklahoma City OK 73102	1/8 th Royalty



May 13, 2010

NOTICE OF APPLICATION FOR SALTWATER 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 into a porous formation not productive of oil or gas.

The applicant proposes to dispose of produced water or other oil and gas waste into the Big Eddy Unit #122 (DelaWare Formation). The maximum injection pressure will be 934 psi and the maximum rate will be 2500 bbls produced water/day. The proposed disposal well is located 18 miles northeast of Carlsbad, New Mexico in Section 4, T20S, R31 E, Eddy County, New Mexico. The produced salt water will be disposed of a subsurface depth of 4670'-6800'.

Any questions concerning this application should be directed to Valerie Truax, Regulatory Administrative Assistant, 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. 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:

May 13 _____ 2010

That the cost of publication is **\$66.45** and that payment thereof has been made and will be assessed as court costs.

Kathy McCarroll

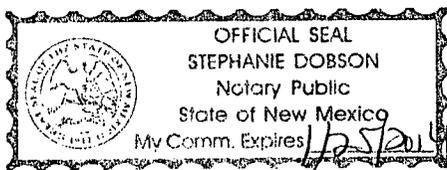
Subscribed and sworn to before me this

13th day of May, 2010

Stephanie Dobson

My commission Expires on 1/25/2014

Notary Public



RECEIVED

MAY 20 2010

BOPCO WTD PRODUCTION

Injection Permit Checklist (06/24/2010)

Case 1232 R- SW WFX PMX IPI 7/31/10 Permit Date (JFA/S) UIC Qtr
 # Wells 1 Well Name: Big Eddy Unit #122
 API Num: (30-) 015-27454 Spud Date: 8/24/93 New/Old: N (UIC primacy March 7, 1982)
 Footages 1980 FNL/1980 FUL Unit F Sec 4 Tsp 205 Rgs 31E County EDDY
 Operator: BOLCO LP. Contact Valerie Truax
 Operator Address: 6 Dorte Dr. Suite 3700 Midland TX
 OGRID: 260787 RULE 5.9 Compliance (Wells) 2/385 (Finan Assur) OK IS 5.9 OK? OK
 Well File Reviewed ✓ Current Status: Producing From Lower BC
 General Location: North of WIPP

Lost NOTICES
 Sent 7/1/10
 Per Valerie Truax

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

Planned Work to Well: BB to 6870'

	Sizes Hole.....Pipe	Setting Depths	Cement Sx or Cf	Cement Top and Determination Method
Existing <u>✓</u> Surface	<u>4 3/4 1 1/2 1/4</u>	<u>869</u>	<u>610</u>	<u>CIRC</u>
Existing <u>✓</u> Intern	<u>12 8 5/8</u>	<u>4184</u>	<u>625</u>	<u>2560</u>
New Existing <u>✓</u> LongSt	<u>7 1/8 5 1/2</u>	<u>4600</u>	<u>1550</u>	<u>3000 T/C</u>

DV T 7609 (43/4 Liner 11229-12855) Open Hole _____ Total Depth _____ Deviated Hole? _____

Almost in
 Potash BUT NOT
 in EXTREME BUT
 Below
 Reef

Intervals:	Depths, Ft.	Formation	Producing?
Formation Above			
Formation Above	<u>4188</u>	<u>TOP Del.</u>	
Injection TOP:	<u>4670</u>	<u>Cherry C</u>	Max. PSI <u>934</u> Open Hole ? <u>Perfs ?</u> <u>✓</u>
Injection BOTTOM:	<u>6800</u>	<u>Brunly C</u>	Tubing Size <u>2 7/8</u> Packer Depth <u>4600</u>
Formation Below			
Formation Below			

Sensitive Areas: ✓ Captain Reef ✓ Cliff House ✓ Salt Depths < 4188

Potash Area (B-111-P) ✓ Patash Leasee ✓ Noticed? ✓ (WIPP?) ✓ Noticed? ✓

Fresh Water: Depths 687-991' Formation runlon Wells? NONE Analysis? ✓ Affirmative Statement ✓

Disposal Fluid Sources: _____ Analysis? _____

Disposal Interval Production Potential/Testing: LOG analysis done Analysis _____

Notice: Newspaper (Y/N) 5/13 ✓ Surface Owner BLM Mineral Owner(s) _____

RULE 26.7(A) Affected Parties: See APP.

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

Active Wells 0 Num Repairs _____ Producing in Injection Interval in AOR _____

P&A Wells 0 Num Repairs _____ All Wellbore Diagrams Included? _____

Questions/Required Work: _____

Request Sent _____ Reply: _____

4670
9340