DATE IN 10,24,11	SUSPENSE	ENGINEER TW.	LOGGED IN 10,24,11	TYPE IPI	APP NO. 1129452898

408 PTB-W

ABOVE THIS LINE FOR DIVISION USE ONLY

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

BOPCO

ADMINISTRATIVE APPLICATION CHECKLIST 30-015-27454

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

4670' - 6800'
1045 psi
SWD 1232

[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.

Scott Thomas		Production Engineer	10/21/11
Print or Type Name	Signature	Title	Date

SHThomas@basspet.com
e-mail Address

BOPCO, L.P.
P. O. BOX 2760
MIDLAND, TEXAS 79702

RECEIVED OCD
2011 OCT 24 A 12:41

October 18, 2011

TO: TERRY WARNELL

FROM: CARLOS CRUZ

RE: REQUEST FOR MAXIMUM ALLOWABLE SURFACE PRESSURE INCREASE
BIG EDDY UNIT #122
HACKBERRY SOUTH FIELD
EDDY COUNTY, NEW MEXICO

Dear Sir:

BOPCO, L.P. would like to make a formal request to increase the maximum allowable surface injection pressure from 934 psi to 1,045 psi for the Big Eddy Unit #122.

The Big Eddy Unit #122 (API 30-015-27454) is located 1980 feet from the North line and 1980 feet from the West line, Section 4, Township 20 South, Range 31 East, Eddy County, New Mexico. On 10/18/11 the well was injecting approximately 450 bbls of water per day at a surface pressure of 450 psi.

As more of our new drills are put on production and our established wells produce more water it becomes paramount that our SWD operations are optimized. Ensuring the greatest volume of water is disposed of while still remaining under the formation fracture pressure.

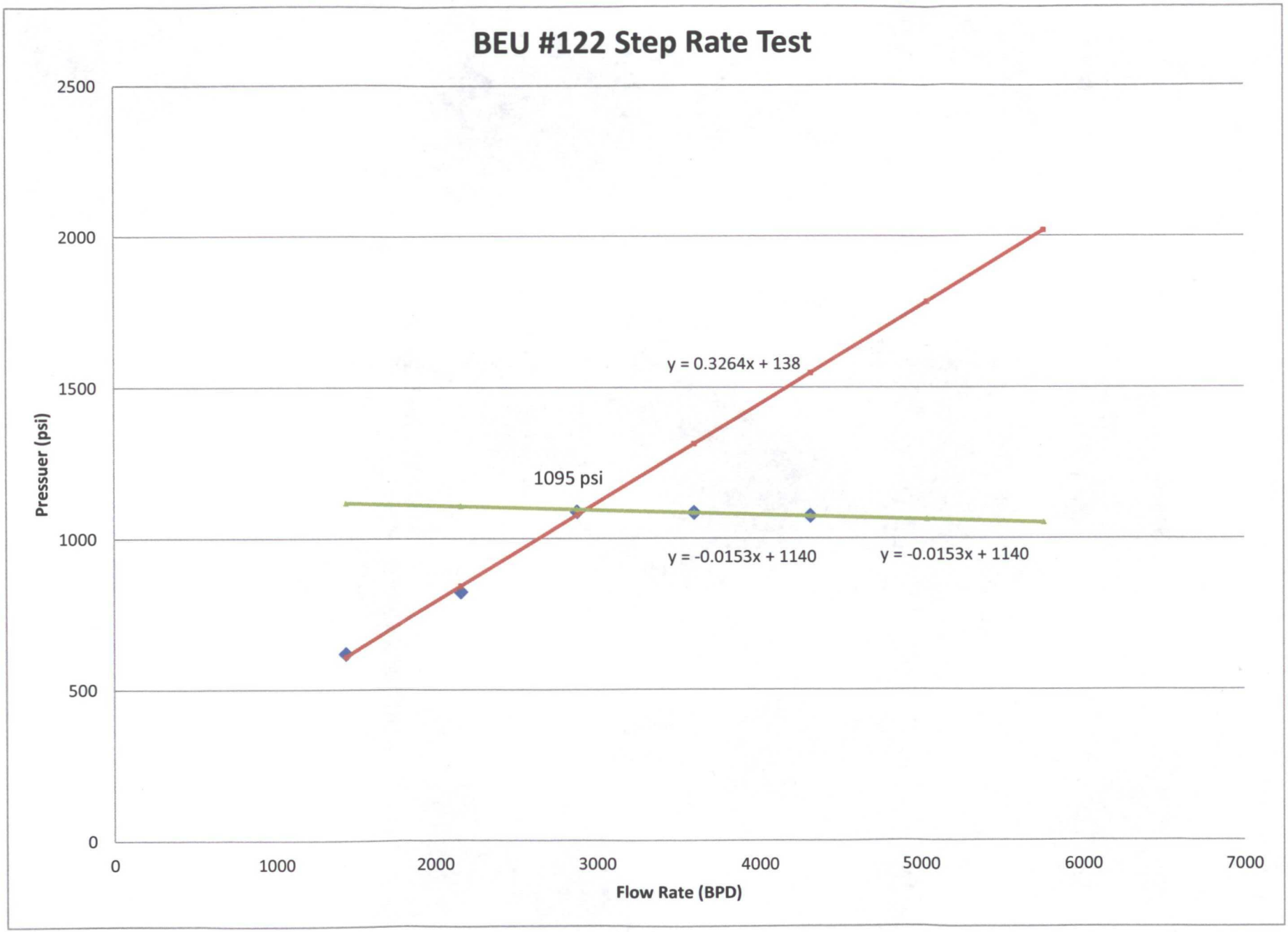
Findings from the 10/18/11 Step Rate Test demonstrate that 1,095 psi is in fact the formation fracture pressure. It is therefore requested that a conservative compromise of 1,045 psi be used as the surface injection pressure. This would allow for approximately 2800 bbls of water disposed of per day as seen from the SRT data. This would greatly assist in alleviating our water disposal issues while avoiding fracturing the formation.

We appreciate your time and consideration in the above matters and hope our findings are adequate enough to warrant the requested pressure amendments.

Along with this letter please find the following attachments:

- Step Rate Test
- Surface Pressure Chart
- Up-to-date Wellbore Diagram
- Copy of the disposal permit

CARLOS CRUZ


BEU #122 Step Rate Test
2500
2000
1500
1000
500
0
Pressuer (psi)
0
1000
2000
3000
4000
5000
6000
7000
Flow Rate (BPD)
y = 0.3264x + 138
1095 psi
y = -0.0153x + 1140
y = -0.0153x + 1140

010.Downhole Profile - Vertical Wells

Well ID: 30-015-27454

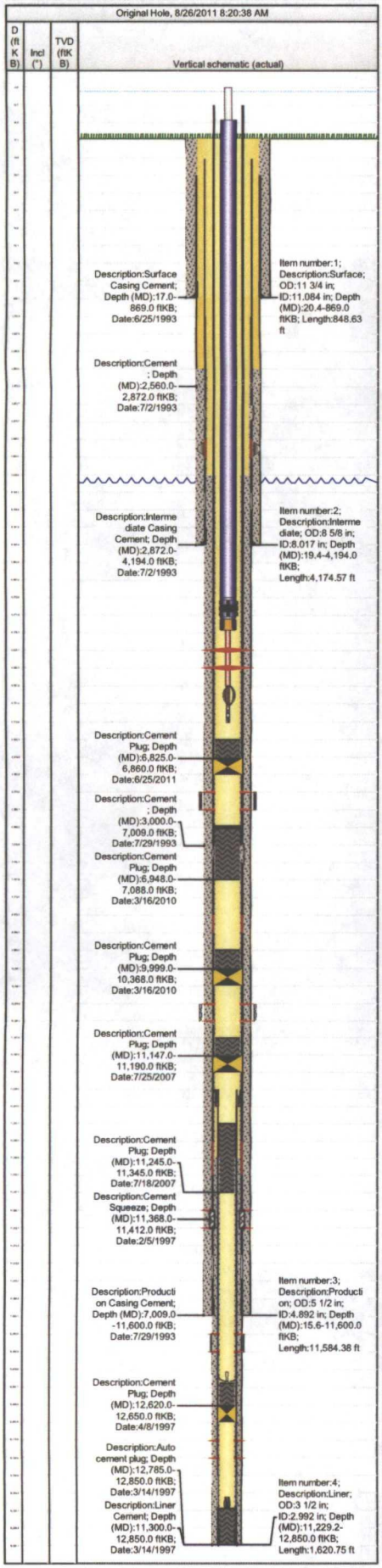
Field: Hackberry Strawn, South 29460

BOPCO, L.P. - West Texas

Well Name: BIG EDDY UNIT #122

Sect: 4 Town: 20S Rng: 31E County: Eddy State: New Mexico

Surface Location: 1980 FNL & 1980 FWL



Well Information

Orig KB Elev (ft)	Gr Elev (ft)	KB-Grd (ft)	Spud Date	On Production Date	PBTD (All) (ftKB)
3,503.00	3,486.00	17.00	6/24/1993		Original Hole - 6,948.0

Wellbores

Wellbore Name: Original Hole — **Kick Off Depth (ftKB):**

Size (in)	Act Top (ftKB)	Act Btm (ftKB)
14 3/4	17.0	869.0
11	869.0	4,194.0
7 7/8	4,194.0	11,600.0
4 3/4	11,600.0	12,850.0

Schematic Annotations

Type	Depth (ftKB)	Annotation

Casing Strings

Csg Des	Wellbore	OD (in)	Wt (lb/ft)	Grade	Top Thread	Set @ (ftKB)
Surface	Original Hole	11 3/4	42.00	H-40		869.0
Intermediate	Original Hole	8 5/8	24.00	K-55		4,194.0
Production	Original Hole	5 1/2	17.00	K-55		11,600.0
Liner	Original Hole	3 1/2	9.30	L-80		12,850.0

Perforations

Perf Date	Top (ftKB)	Btm (ftKB)	Zone	Current Status
6/27/2011	6,620.0	6,640.0	Delaware, Original Hole	Active
3/18/2010	6,875.0	6,892.0	Lwr Brushy Canyon Y, Original Hole	P&A (6,875.0 - 6,892.0)
3/4/2010	10,378.0	10,398.0	Wolfcamp, Original Hole	P&A (10,378.0 - 10,398.0)
8/5/1993	11,368.0	11,412.0	Morrow, Original Hole	P&A (11,368.0 - 11,412.0)
8/23/1993	12,440.0	12,484.0	Strawn, Original Hole	P&A
8/23/1993	12,714.0	12,728.0	Morrow, Original Hole	P&A

Tubing Strings

Tubing Description	Run Date	String Length (ft)	Set Depth (ftKB)
Tubing	7/27/2011	6,561.69	6,578.0

No.	Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Top (ftKB)
5-1	2-7/8" 6.5 ppf L-80 8RD Tubing (IPC)	203	2 7/8	6.50	L-80	16.3
5-2	5-1/2" x 2-7/8" Baker Lok-Set (Nickel Plated)	1	2 7/8			6,573.0
5-3	Wireline Guide	1	2 7/8			6,577.6

Other Downhole Equipment

Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)
6/24/2011	Bridge Plug - Permanent	5	6,860.0	6,861.0
3/16/2010	Bridge Plug - Permanent	5	10,368.0	10,369.0
7/25/2007	Bridge Plug - Permanent	5	11,190.0	11,191.0
7/16/1997	Blanking Plug (Fish)	1/2	12,619.8	12,620.0
4/8/1997	Bridge Plug - Permanent	3	12,650.0	12,651.0
4/2/1997	Bit cone	1	12,784.6	12,785.0

Rod Strings

Rod Description	Run Date	String Length (ft)	Set Depth (ftKB)
Rod	4/6/2010	6,779.00	6,775.0

Item #	Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Top (ftKB)
1-1	Polished Rod w/ 1-1/2 x 16' liner		1 1/4			-4.0
1-2	7/8" D Sucker Rod	81	7/8	2.22	D	22.0
1-3	3/4" D Sucker Rod	178	3/4	1.63	D	2,047.0
1-4	7/8" D Sucker Rod	10	7/8	2.22	D	6,497.0
1-5	Rod Centralizer	1	3/4			6,747.0
1-6	Rod Insert Pump		3/4			6,751.0
1-7	3/4" x 20' dip tube.		3/4			6,775.0
1-8	Sand screen 1" x 3'		1			6,775.0

Cement

Surface Casing Cement , 6/25/1993

String: Surface, 869.0ftKB — **Cement Evaluation Results:**

Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method
1	17.0	869.0	18.0	

Fluid	Amount (sacks)	Class	Dens (lb/gal)	Yield (ft³/sack)
Lead	400	C	12.70	1.86
Tail	200	C	14.80	1.34

Intermediate Casing Cement , 7/2/1993

String: Intermediate, 4,194.0ftKB — **Cement Evaluation Results:**

Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method
1	2,872.0	4,194.0		Circulated

Fluid	Amount (sacks)	Class	Dens (lb/gal)	Yield (ft³/sack)
Lead	175	C	13.00	1.90
Tail	250	C	14.80	1.32

Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method
2	2,560.0	2,872.0		Volume Calculations

Fluid	Amount (sacks)	Class	Dens (lb/gal)	Yield (ft³/sack)
Tail	100	C	14.80	1.32

Production Casing Cement , 7/29/1993

String: Production, 11,600.0ftKB — **Cement Evaluation Results:**

Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method
1	7,009.0	11,600.0		Tagged

Fluid	Amount (sacks)	Class	Dens (lb/gal)	Yield (ft³/sack)
Lead	350		12.70	1.84
Tail	525		15.60	1.23

Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method
2	3,000.0	7,009.0		

Fluid	Amount (sacks)	Class	Dens (lb/gal)	Yield (ft³/sack)
Lead	625		12.70	1.84
Tail	50		14.80	1.32

Cement Squeeze , 2/5/1997

String: Production, 11,600.0ftKB — **Cement Evaluation Results:**

Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method
1	11,368.0	11,412.0		Volume Calculations

Fluid	Amount (sacks)	Class	Dens (lb/gal)	Yield (ft³/sack)
Cement Squeeze	350	H	15.60	1.18

Liner Cement , 3/14/1997

String: Liner, 12,850.0ftKB — **Cement Evaluation Results:**

Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method
1	11,300.0	12,850.0		Tagged

Fluid	Amount (sacks)	Class	Dens (lb/gal)	Yield (ft³/sack)
Lead	150		16.00	1.13

Cement Plug , 4/8/1997

String: Liner, 12,850.0ftKB — **Cement Evaluation Results:**

Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method
1	12,620.0	12,650.0		Volume Calculations

Fluid	Amount (sacks)	Class	Dens (lb/gal)	Yield (ft³/sack)
Cement Plug				

Cement Plug , 7/18/2007

String: Liner, 12,850.0ftKB — **Cement Evaluation Results:**

010.Downhole Profile - Vertical Wells

Well ID: 30-015-27454

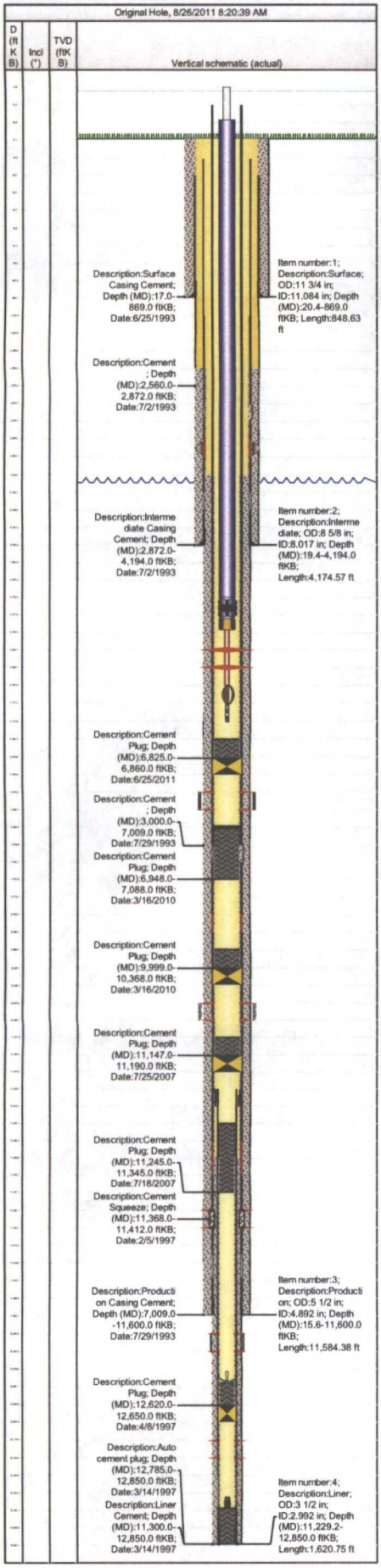
Field: Hackberry Strawn, South 29460

BOPCO, L.P. - West Texas

Well Name: BIG EDDY UNIT #122

Sect: 4 Town: 20S Rng: 31E County: Eddy State: New Mexico

Surface Location: 1980 FNL & 1980 FWL



Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method
1	11,245.0	11,345.0		Volume Calculations

Fluid	Amount (sacks)	Class	Dens (lb/gal)	Yield (ft³/sack)
Cement Plug	60	H	15.60	1.18

Cement Plug , 7/25/2007

String: Production, 11,600.0ftKB **Cement Evaluation Results:**

Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method
1	11,147.0	11,190.0		Wireline Tag

Fluid	Amount (sacks)	Class	Dens (lb/gal)	Yield (ft³/sack)
Cement Plug		H		

Cement Plug , 3/16/2010

String: Production, 11,600.0ftKB **Cement Evaluation Results:**

Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method
1	9,999.0	10,368.0		Volume Calculations

Fluid	Amount (sacks)	Class	Dens (lb/gal)	Yield (ft³/sack)
Cement Plug	30	H	15.60	1.18

Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method
2	6,948.0	7,088.0		Tagged

Cement Plug , 6/25/2011

String: Production, 11,600.0ftKB **Cement Evaluation Results:**

Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method
1	6,825.0	6,860.0		Volume Calculations

Fluid	Amount (sacks)	Class	Dens (lb/gal)	Yield (ft³/sack)
Cement Plug	5	C		

W7.

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO 1004-0135
Expires: July 31, 2010

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 ☐ Oil Well ☒ Gas Well ☐ Other	5. Lease Serial No. NMNM04557
	6. If Indian, Allottee or Tribe Name
	7. If Unit or CA/Agreement, Name and/or No. NMNM100185
	8. Well Name and No. BIG EDDY 122
2. Name of Operator BOPCO LP Contact: VALERIE TRUAX E-Mail: vltruax@basspet.com	9. API Well No. 30-015-27454-00-S2
3a. Address MIDLAND, TX 79702 3b. Phone No. (include area code) Ph: 432-683-2277	10. Field and Pool, or Exploratory S HACKBERRY
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 4 T20S R31E SENW 1980FNL 1980FWL	11. County or Parish, and State EDDY COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☒ Convert to Injection	☐ Plug Back	☐ 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.)

SUBJECT TO LIKE APPROVAL BY STATE

RECEIVED
JUN 13 2011
NMOCD ARTESIA

REVISED

BOPCO, L.P. respectfully wishes to convert this well to a SWD well. (Note that the original sundry SWD request was approved by the BLM on Nov 10, 2010, but was canceled by a sundry, approved Dec 29, 2010, to P&A. This sundry is requesting permission (a second time) to convert the BEU #122 to a SWD, ***while canceling the approved P&A sundry.)

BOPCO, L.P. has been authorized to utilize this well to inject produced water for disposal puposes as of July 30, 2010 by Administrative Order No. SWD-1252. The following procedure outlines the SWD conversion process:

Swd 1232

Add Delaware zones for SWD w/in permitted interval of 4130' - 5810'. Disposal perforated zone is

see COA's

Casing/tubing annulus must be monitored

SEE ATTACHED FOR CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #109497 verified by the BLM Well Information System
For BOPCO LP, sent to the Carlsbad
Committed to AFMSS for processing by WESLEY INGRAM on 06/02/2011 (11WWI0026SE)

Name (Printed/Typed) VALERIE TRUAX	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 06/02/2011

Accepted for record
NMOCD RD 6/15/11

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By CHRISTOPHER WALLS	Title PETROLEUM ENGINEER	Date 06/07/2011
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 ****

Additional data for EC transaction #109497 that would not fit on the form

32. Additional remarks, continued

6,620'-6,640'. RIH w/ CIBP & set at 6,870'. Dump bail 35' cmt on top of CIBP leaving new PBTD of 6,835'. RIH w/ 2-7/8" workstring down to 6,700'. Spot 1000 gal of 7-1/2% NEFE HCl acid across perforated interval. Perf from 6,620'-6,640'. Frac down csg as follows: 113,951 gal fluid & 10,000# LiteProp 125. RIH w/ 5-1/2" Lockset Nickel plated ext/int PC pkr on 2-7/8" J-55 IPC tbg to 6,570'. Place well on injection not exceeding 934 psi.

IPI PTGW

Warnell, Terry G, EMNRD

1129452898

BOPCO

260737

To: ccruz@basspet.com
Subject: IPI for Big Eddy Unit #122

Hi Carlos,

We got your paper work for the above mentioned IPI
What I didn't get, yet, was the Administrative Application Checklist
http://www.emnrd.state.nm.us/OCD/documents/admnapp.pdf

Also your Oct 18th cover letter needs a correction on the second paragraph
I think the well name is incorrect?
Also if you could request 1045 psi
OCD standard is to take the SRT (1095) and subtract 50 as a safety factor

Big Eddy #122

Fed

You can Fax it or just attach everything to an e-mail

Thanks,

Terry Warnell
Engineering, Oil Conservation Division
1220 South St. Francis Drive, Santa Fe, NM 87505
Tel 505.476.3466 ~ Fax 505.476.3462

Rec 9/7 - 1
12.12.

BOPCO, L.P.

P. O. BOX 2760
MIDLAND, TEXAS 79702

P-4-20S-31E
Eddy - Fed.

October 18, 2011

TO: TERRY WARNELL

FROM: CARLOS CRUZ

RE: REQUEST FOR MAXIMUM ALLOWABLE SURFACE PRESSURE INCREASE
BIG EDDY UNIT #122
HACKBERRY SOUTH FIELD
EDDY COUNTY, NEW MEXICO

Artesia

Dear Sir:

BOPCO, L.P. would like to make a formal request to increase the maximum allowable surface injection pressure from 934 psi to 1,050 psi for the Big Eddy Unit #122.

Big Eddy 122

The ~~Poker Lake~~ Unit #227 (API 30-015-27454) is located 1980 feet from the North line and 1980 feet from the West line, Section 4, Township 20 South, Range 31 East, Eddy County, New Mexico. On 10/18/11 the well was injecting approximately 450 bbls of water per day at a surface pressure of 450 psi.

As more of our new drills are put on production and our established wells produce more water it becomes paramount that our SWD operations are optimized. Ensuring the greatest volume of water is disposed of while still remaining under the formation fracture pressure.

1045

Findings from the 10/18/11 Step Rate Test demonstrate that 1095 psi is in fact the formation fracture pressure. It is therefore requested that a conservative compromise of 1050 psi be used as the surface injection pressure. This would allow for approximately 2800 bbls of water disposed of per day as seen from the SRT data. This would greatly assist in alleviating our water disposal issues while avoiding fracturing the formation.

We appreciate your time and consideration in the above matters and hope our findings are adequate enough to warrant the requested pressure amendments.

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- Surface Pressure Chart
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1095
-50
1045

CARLOS CRUZ

ccruz@bopcopet.com
SWD-1732

432-683-2277

010.Downhole Profile - Vertical Wells

Well ID: 30-015-27454

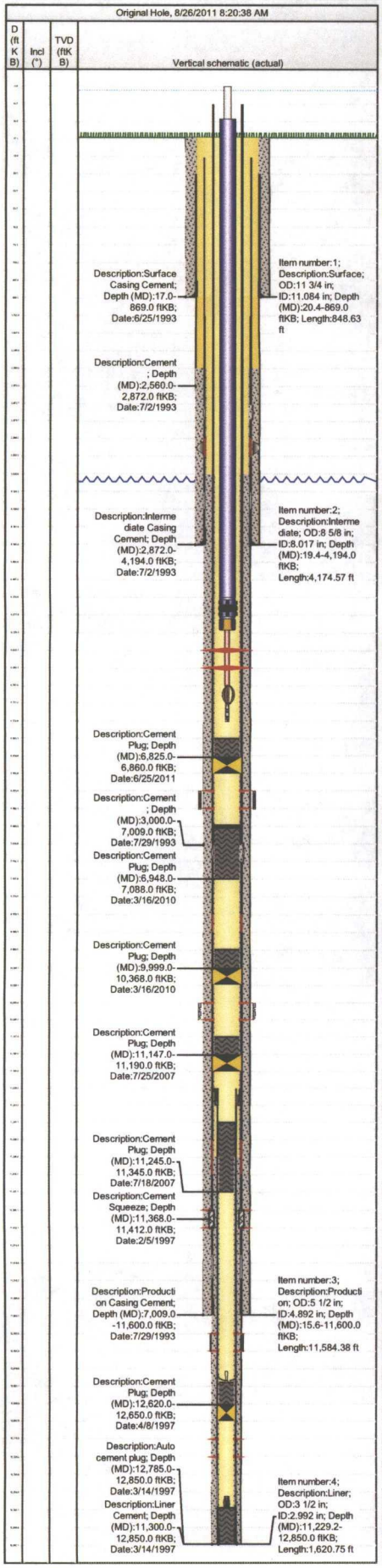
Field: Hackberry Strawn, South 29460

BOPCO, L.P. - West Texas

Well Name: BIG EDDY UNIT #122

Sect: 4 Town: 20S Rng: 31E County: Eddy State: New Mexico

Surface Location: 1980 FNL & 1980 FWL



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5-1	2-7/8" 6.5 ppf L-80 8RD Tubing (IPC)	203	2 7/8	6.50	L-80	16.3
5-2	5-1/2" x 2-7/8" Baker Lok-Set (Nickel Plated)	1	2 7/8			6,573.0
5-3	Wireline Guide	1	2 7/8			6,577.6

Other Downhole Equipment

Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)
6/24/2011	Bridge Plug - Permanent	5	6,860.0	6,861.0
3/16/2010	Bridge Plug - Permanent	5	10,368.0	10,369.0
7/25/2007	Bridge Plug - Permanent	5	11,190.0	11,191.0
7/16/1997	Blanking Plug (Fish)	1/2	12,619.8	12,620.0
4/8/1997	Bridge Plug - Permanent	3	12,650.0	12,651.0
4/2/1997	Bit cone	1	12,784.6	12,785.0

Rod Strings

Rod Description	Run Date	String Length (ft)	Set Depth (ftKB)
Rod	4/6/2010	6,779.00	6,775.0

Item #	Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Top (ftKB)
1-1	Polished Rod w/ 1-1/2 x 16' liner		1 1/4			-4.0
1-2	7/8" D Sucker Rod	81	7/8	2.22	D	22.0
1-3	3/4" D Sucker Rod	178	3/4	1.63	D	2,047.0
1-4	7/8" D Sucker Rod	10	7/8	2.22	D	6,497.0
1-5	Rod Centralizer	1	3/4			6,747.0
1-6	Rod Insert Pump		3/4			6,751.0
1-7	3/4" x 20' dip tube.		3/4			6,775.0
1-8	Sand screen 1" x 3'		1			6,775.0

Cement

Surface Casing Cement , 6/25/1993

String: Surface, 869.0ftKB — **Cement Evaluation Results:**

Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method
1	17.0	869.0	18.0	

Fluid	Amount (sacks)	Class	Dens (lb/gal)	Yield (ft³/sack)
Lead	400	C	12.70	1.86
Tail	200	C	14.80	1.34

Intermediate Casing Cement , 7/2/1993

String: Intermediate, 4,194.0ftKB — **Cement Evaluation Results:**

Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method
1	2,872.0	4,194.0		Circulated

Fluid	Amount (sacks)	Class	Dens (lb/gal)	Yield (ft³/sack)
Lead	175	C	13.00	1.90
Tail	250	C	14.80	1.32

Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method
2	2,560.0	2,872.0		Volume Calculations

Fluid	Amount (sacks)	Class	Dens (lb/gal)	Yield (ft³/sack)
Tail	100	C	14.80	1.32

Production Casing Cement , 7/29/1993

String: Production, 11,600.0ftKB — **Cement Evaluation Results:**

Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method
1	7,009.0	11,600.0		Tagged

Fluid	Amount (sacks)	Class	Dens (lb/gal)	Yield (ft³/sack)
Lead	350		12.70	1.84
Tail	525		15.60	1.23

Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method
2	3,000.0	7,009.0		

Fluid	Amount (sacks)	Class	Dens (lb/gal)	Yield (ft³/sack)
Lead	625		12.70	1.84
Tail	50		14.80	1.32

Cement Squeeze , 2/5/1997

String: Production, 11,600.0ftKB — **Cement Evaluation Results:**

Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method
1	11,368.0	11,412.0		Volume Calculations

Fluid	Amount (sacks)	Class	Dens (lb/gal)	Yield (ft³/sack)
Cement Squeeze	350	H	15.60	1.18

Liner Cement , 3/14/1997

String: Liner, 12,850.0ftKB — **Cement Evaluation Results:**

Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method
1	11,300.0	12,850.0		Tagged

Fluid	Amount (sacks)	Class	Dens (lb/gal)	Yield (ft³/sack)
Lead	150		16.00	1.13

Cement Plug , 4/8/1997

String: Liner, 12,850.0ftKB — **Cement Evaluation Results:**

Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method
1	12,620.0	12,650.0		Volume Calculations

Fluid	Amount (sacks)	Class	Dens (lb/gal)	Yield (ft³/sack)
Cement Plug				

Cement Plug , 7/18/2007

String: Liner, 12,850.0ftKB — **Cement Evaluation Results:**

010.Downhole Profile - Vertical Wells

Well ID: 30-015-27454

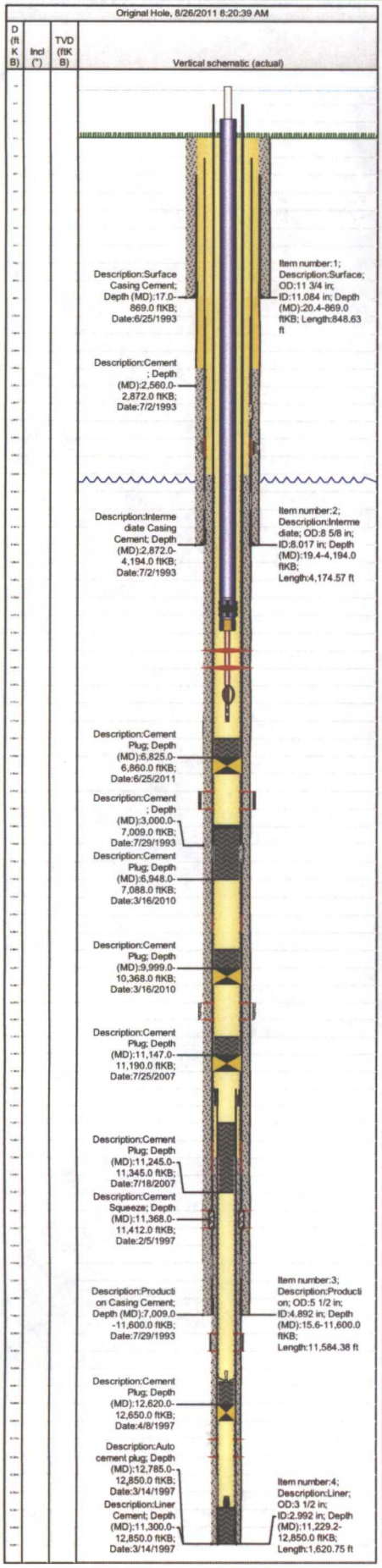
Field: Hackberry Strawn, South 29460

BOPCO, L.P. - West Texas

Well Name: BIG EDDY UNIT #122

Sect: 4 Town: 20S Rng: 31E County: Eddy State: New Mexico

Surface Location: 1980 FNL & 1980 FWL



Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method
1	11,245.0	11,345.0		Volume Calculations

Fluid	Amount (sacks)	Class	Dens (lb/gal)	Yield (ft³/sack)
Cement Plug	60	H	15.60	1.18

Cement Plug , 7/25/2007

String: Production, 11,600.0ftKB — **Cement Evaluation Results:**

Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method
1	11,147.0	11,190.0		Wireline Tag

Fluid	Amount (sacks)	Class	Dens (lb/gal)	Yield (ft³/sack)
Cement Plug		H		

Cement Plug , 3/16/2010

String: Production, 11,600.0ftKB — **Cement Evaluation Results:**

Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method
1	9,999.0	10,368.0		Volume Calculations

Fluid	Amount (sacks)	Class	Dens (lb/gal)	Yield (ft³/sack)
Cement Plug	30	H	15.60	1.18

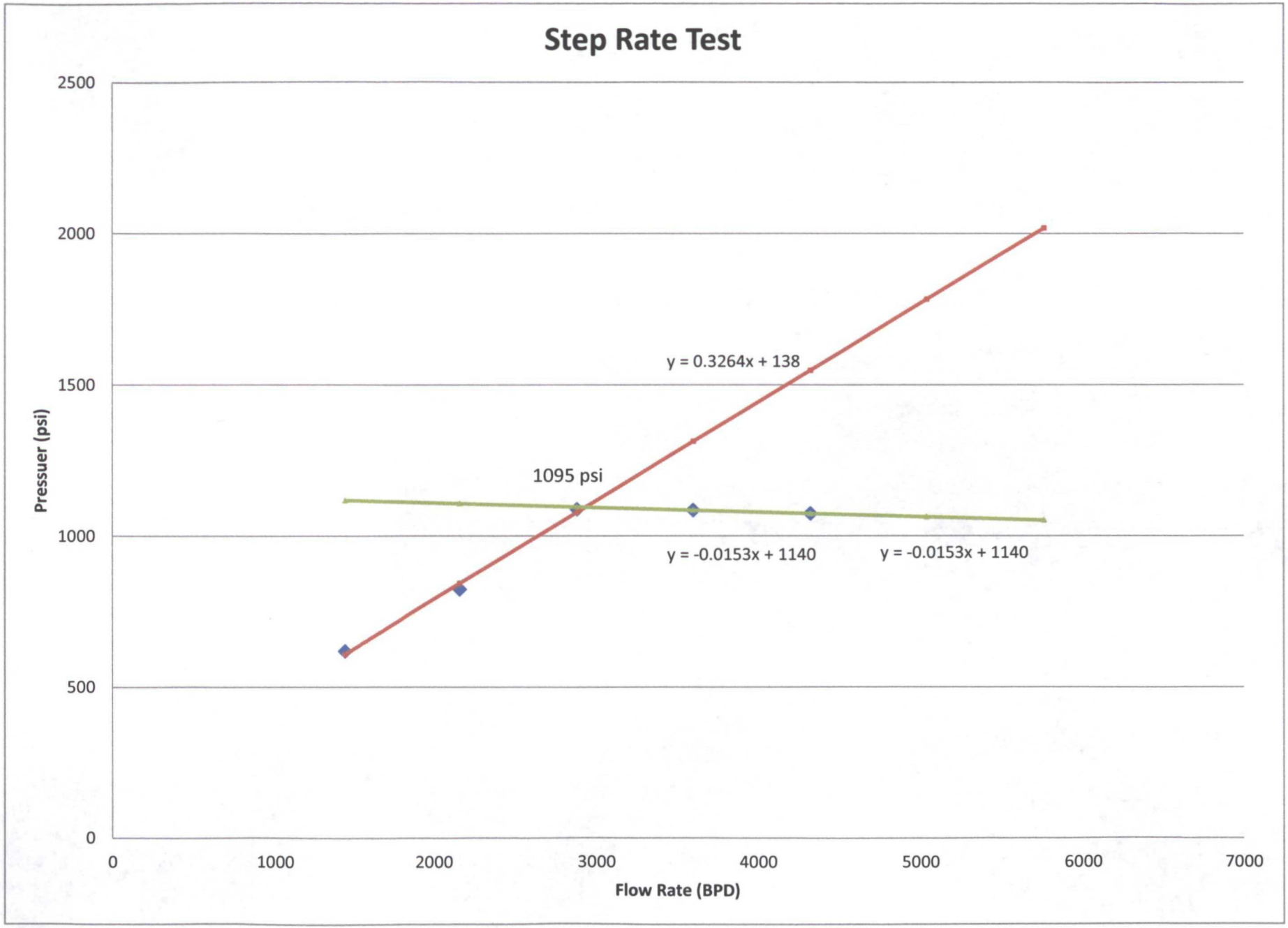
Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method
2	6,948.0	7,088.0		Tagged

Cement Plug , 6/25/2011

String: Production, 11,600.0ftKB — **Cement Evaluation Results:**

Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method
1	6,825.0	6,860.0		Volume Calculations

Fluid	Amount (sacks)	Class	Dens (lb/gal)	Yield (ft³/sack)
Cement Plug	5	C		


Step Rate Test
2500
2000
1500
1000
500
0
Pressuer (psi)
0
1000
2000
3000
4000
5000
6000
7000
Flow Rate (BPD)
y = 0.3264x + 138
1095 psi
y = -0.0153x + 1140
y = -0.0153x + 1140

W7-

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO 1004-0135
Expires: July 31, 2010

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: ☐ Oil Well ☒ Gas Well ☐ Other	5. Lease Serial No. NMNM04557
	6. If Indian, Allottee or Tribe Name
	7. If Unit or CA/Agreement, Name and/or No. NMNM100195
	8. Well Name and No. BIG EDDY 122
2. Name of Operator BOPCO LP — Contact: VALERIE TRUAX — E-Mail: vltruax@basspet.com	9. API Well No. 30-015-27454-00-S2
3a. Address MIDLAND, TX 79702 — 3b. Phone No. (include area code) Ph: 432-683-2277	10. Field and Pool, or Exploratory S HACKBERRY
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 4 T20S R31E SENW 1980FNL 1980FWL	11. County or Parish, and State EDDY COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☒ Convert to Injection	☐ Plug Back	☐ 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.)

SUBJECT TO LIKE APPROVAL BY STATE

RECEIVED
JUN 13 2011
NMOCD ARTESIA

REVISED

BOPCO, L.P. respectfully wishes to convert this well to a SWD well. (Note that the original sundry SWD request was approved by the BLM on Nov 10, 2010, but was canceled by a sundry, approved Dec 29, 2010, to P&A. This sundry is requesting permission (a second time) to convert the BEU #122 to a SWD, ***while canceling the approved P&A sundry.)

BOPCO, L.P. has been authorized to utilize this well to inject produced water for disposal puposes as of July 30, 2010 by Administrative Order No. SWD-1252. The following procedure outlines the SWD conversion process:

Swd 1232

Add Delaware zones for SWD w/in permitted interval of 4610'-5810'. Proposed perforated zone is

see COAs

Casing/tubing annulus must be monitored

SEE ATTACHED FOR CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #109497 verified by the BLM Well Information System
For BOPCO LP, sent to the Carlsbad
Committed to AFMSS for processing by WESLEY INGRAM on 06/02/2011 (11WWI0026SE)

Name (Printed/Typed) VALERIE TRUAX	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 06/02/2011

Accepted for record
NMOCD RD 6/15/11

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By CHRISTOPHER WALLS	Title PETROLEUM ENGINEER	Date 06/07/2011
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 ****

Additional data for EC transaction #109497 that would not fit on the form

32. Additional remarks, continued

6,620'-6,640'. RIH w/ CIBP & set at 6,870'. Dump bail 35' cmt on top of CIBP leaving new PBTD of 6,835'. RIH w/ 2-7/8" workstring down to 6,700'. Spot 1000 gal of 7-1/2% NEFE HCl acid across perforated interval. Perf from 6,620'-6,640'. Frac down csg as follows: 113,951 gal fluid & 10,000# LiteProp 125. RIH w/ 5-1/2" Lockset Nickel plated ext/int PC pkr on 2-7/8" J-55 IPC tbg to 6,570'. Place well on injection not exceeding 934 psi.