

J.F. Harrison Fed #1
 DATE IN 11/18/10 SUSPENSE ENGINEER WJ LOGGED IN 11/18/10 TYPE SWD APP NO 103225-7297

ABOVE THIS LINE FOR DIVISION USE ONLY

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



BOPCO
 260737

J.F. Harrison Fed #1

ADMINISTRATIVE APPLICATION CHECKLIST

30-015-04749

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]

Eddy

- [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 _____

Drld in 1953
 Casing Integrity

- [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

2000 NOV 18 P 12:54
 RECEIVED OGD
 3325 PST
 16626-17205

will be provided when available
 - Notice was sent to Exxon Mobile

- [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
 Signature
 Title
 Date
 e-mail Address

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance ☒ Disposal _____ Storage
Application qualifies for administrative approval? ☒ Yes _____ No

II. OPERATOR: BOECO, L.P.

ADDRESS: P.O. Box 2760 Midland, TX 79702-2760

CONTACT PARTY: Valerie Truax PHONE: 432-683-2217

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: Reg. Clerk

SIGNATURE: *Valerie Truax* DATE: 11/30/10

E-MAIL ADDRESS: vltruax@bussped.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: _____

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

(432) 683-2277

FAX (432) 687-0329

November 11, 2010

**Re: Notice of Application for
Authorization to Convert to SWD
JF Harrison Fed #1
Eddy County, New Mexico
File: 100-WF: HarFed 1 Offsetownerltr**

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 JF Harrison Fed #1, located in Section 12, T25S, R30E, Eddy County, New Mexico. It is our intention to add perforations to the Devonian 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 and Exxon Mobile, offset operator, via Certified Mail. I will provide a copy of the signed receipt cards when they are returned.

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

vlt
Attachments

P.S. Copy also sent to district office in Artesia

RECEIVED OGD
2010 NOV 18 P 12:54

III. Well Data

A. 1) Lease name: JF Harrison Fed
 Well #: 1
 Section: 12
 Township: 25S
 Range: 30E
 Footage: 660' FNL & 660' FWL

2) Casing Info:

Casing size	Set depth	Sacks cmt	Hole size	TOC	Method
20" 94# H-40	557'	750	24"	Surface	Circulated
13-3/8" 61# & 72# N-80 & J-55	3971'	6,400	17-1/2"	Surface	Circulated
9-5/8" 40# & 47# N-80	10,073'	3,507	12-1/4"	4,560'	TS

3) Tubing to be used (size, lining material, setting depth):
 4-1/2" J-55 Seal Tite IPC tbg set @ 16,575'.

4) Name, model, and depth of packer to be used:
 10K Reliant Mechanical Set Hornet Pkr EXT/INT nickel plated set @ 16,575'.

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

2) The injection interval and whether it is perforated or open hole:
 16,626'-17,205' Devonian (open hole).

3) State if the well was drilled for injection or, if not, the original purpose of the well:
 Drill & complete Wildcat (Wolfcamp 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 is plugged with no open perfs.

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 within 1 mile
 Lower: None

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					Spud Date	Comp Date	Perforations	Stimulation
						Surface Casing	Intermediate Casing	Production Casing	Tubing	TD				
PLU	91	30-015-29309	BOPCO, LP	P&A	360' FNL & 330' FWL, Sec 12, T25S, R30E	11-3/4" @ 1079' CTS, C6625 sx	8-5/8" @ 4,070', C11550 sx	5-1/2" @ 5018' DVT, 440 sx; 5-1/2" @ 8097', 300 sx	NA	8100'	6/1/1997	7/4/1997	NA	NA
PLU	116	30-015-28030	BOPCO, LP	Never Drilled	1980' FSL & 660' FWL, Sec 1, T25S, R30E	NA	NA	NA	NA	NA	NA	NA	NA	NA
Shugart Fed	1	30-015-10524	Choctaw Prod Co	P&A	1980' FNL & 1980' FWL, Sec 12, T25S, R30E	8-5/8" @ 341', 225 sx	NA	NA	NA	4200'	9/16/1965	9/25/1965	NA	NA

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected: **14,000 average, 15,000 BWPD**
2. Whether the system is open or closed: **closed**
3. Proposed average and maximum injection pressure: **2,325 psi average, 3,325 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 Delaware formation**
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: Carbonate
Geological Name: Devonian
Thickness: 579'
Depth: 16,626'-17,205'

The Rustler Formation is a known source of fresh water throughout this geographic area. Average depth of Rustler is 580' - 1260'. No sources of fresh water are known to exist below the proposed disposal zone.

IX. Describe the proposed stimulation program, if any:

The open hole section will be acidized with approximately 28,950 gallons 15% NEFE HCl acid (50 gallons per foot of open hole).

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.
One stock tank located near PLU #91.

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.

DST #23 (16,600-16,705). Used 8200' wb, open 3 hours, tool opened w/good blow air. Increase to strong blow immediately, sli decrease throughout test. No gas to surface. Recovered 12,788' total fluid, being 7850' wb, / 3398' black salty sulfur water w/sour odor, / 350' mud cut wb, / 920' mud cut salt water (sulfur odor & taste 24500 PPM chlor.) / 270' mud cut salt water (83000 PPM chlor.).
FP 4120-5920# 30 Min. SIP 7390#.

The total depth of 16,705' was reached in 455 days. Casing record as follows:
20" @ 539' w/750 sacks cement, 13 3/8" @ 3954' w/6450 sacks cement, 9 5/8" @ 10,058' w/2540 sacks cement, 7" Liner 9850-16,626 w/1150 sacks cement. Perforated 7" Liner at 10,025', 11,930' and 12,360' and squeezed with 825 sacks cement, total of 1975 sacks cement behind 7" Liner. Plugged and abandoned September 20, 1954.

CURRENT WELLBORE DIAGRAM

Lease: J F Harrison Federal Well No.: 1
 Field: Wildcat (Wolfcamp)
 Location: 660' FNL & 660' FWL, SEC 12-T25S-R30E
 County: EDDY St: NM API: 30-015-04749

Surface Csg.

Size: 20"
 Wt: 94#
 Grd: H-40
 Set @: 557'
 Sxs cmt: 750
 Circ: 7 sks
 TOC: Surface
 Hole Size: 24"

Intermediate Csg.

Size: 13 3/8"
 Wt: 61/72#
 Grd: J-55/N80
 Set @: 3971'
 Sxs Cmt: 6400
 Circ: 2000 sks
 TOC: Surface
 Hole Size: 17 1/2"

Intermediate Csg.

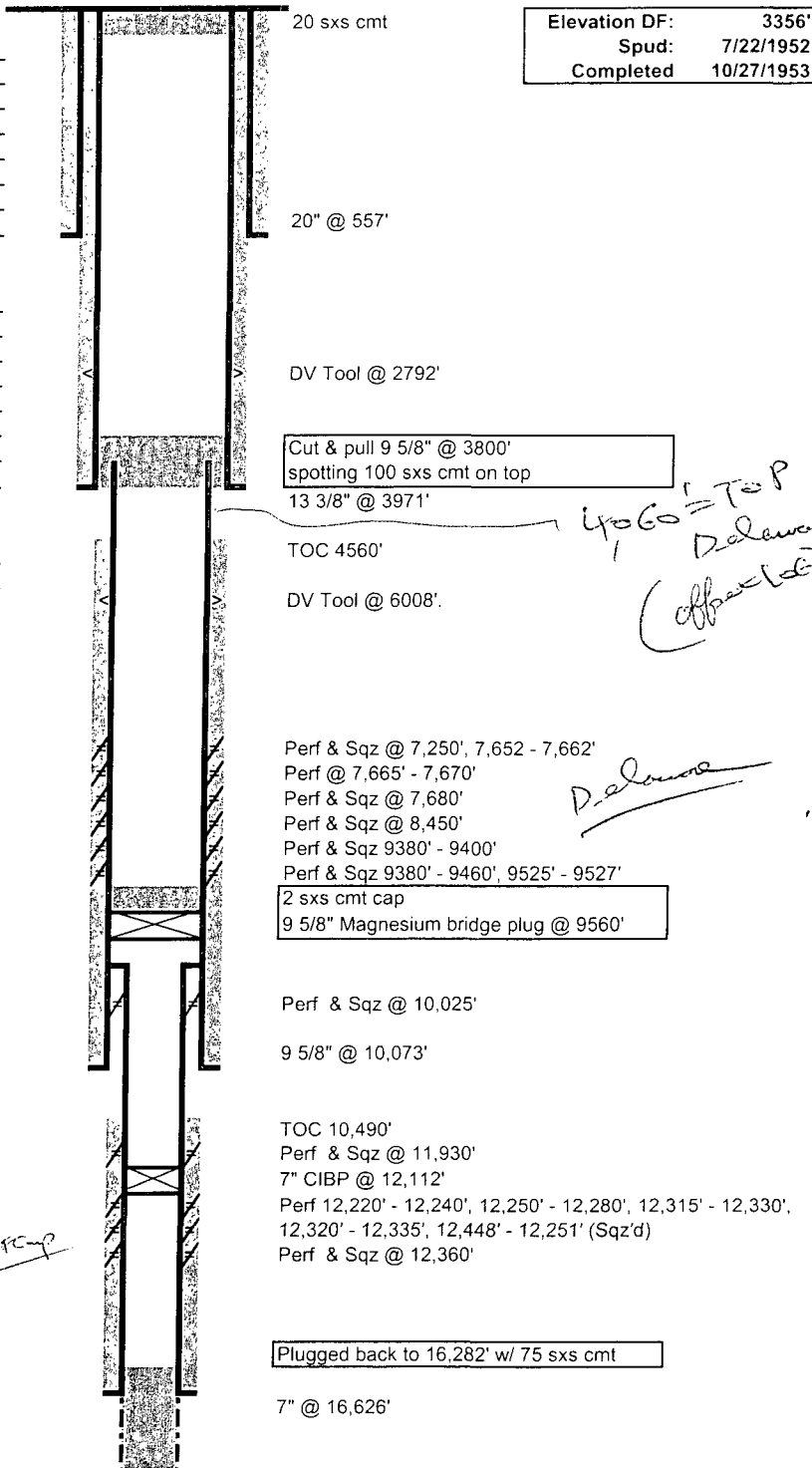
Size: 9 5/8"
 Wt: 40/47#
 Grd: N-80
 Set @: 10,073'
 Sxs Cmt: 3507
 Circ: None
 TOC: 4560' (Temp Log)
 Hole Size: 12 1/4"

Production Liner

Size: 7"
 Wt: 32#
 Grd: N-80
 Set @: 9850' - 16,626'
 Sxs Cmt: 1675
 Circ: None
 TOC: 10490'
 Hole Size: 8 5/8"

Open Hole

Size: 5 7/8"



PBTD: 16,282'
 TD: 16,705'

Updated: 8/23/2010
 Author: crm
 Engr: GEG

PROPOSED WELLBORE DIAGRAM

Lease: J F Harrison Federal Well No.: 1
 Injection
 Reservoir: Devonian
 Location: 660' FNL & 660' FWL, SEC 12-T25S-R30E
 County: EDDY St: NM API: 30-015-04749

Surface Csg.

Size: 20"
 Wt: 94#
 Grd: H-40
 Set @: 557'
 Sxs cmt: 750
 Circ: 7 sks
 TOC: Surface
 Hole Size: 24"

Elevation DF: 3356'
 Spud: 7/22/1952
 Completed: 10/27/1953

Intermediate Csg.

Size: 13 3/8"
 Wt: 61/72#
 Grd: J-55
 Set @: 3971'
 Sxs Cmt: 6400
 Circ: 2000 sks
 TOC: Surface
 Hole Size: 17 1/2"

Intermediate Csg.

Size: 9 5/8"
 Wt: 40/42#
 Grd: N-80
 Set @: 10,073'
 Sxs Cmt: 3507
 Circ: None
 TOC: 4560' (Temp Log)
 Hole Size: 12 1/4"

Production Csg.

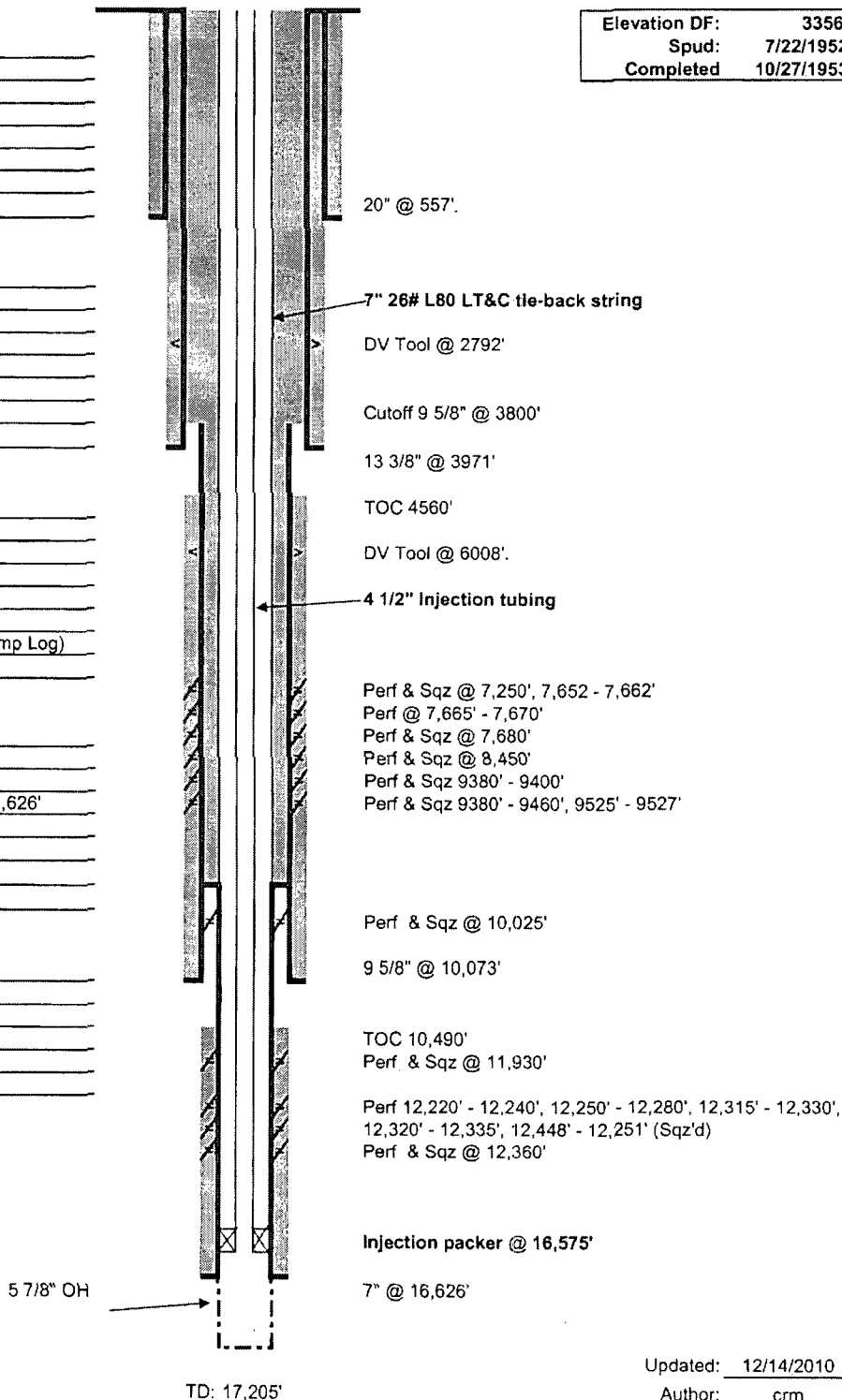
Size: 7"
 Wt: 32#
 Grd: N-80
 Set @: 9850' - 16,626'
 Sxs Cmt: 1675
 Circ: None
 TOC: 10490'
 Hole Size: 8 5/8"

Liner

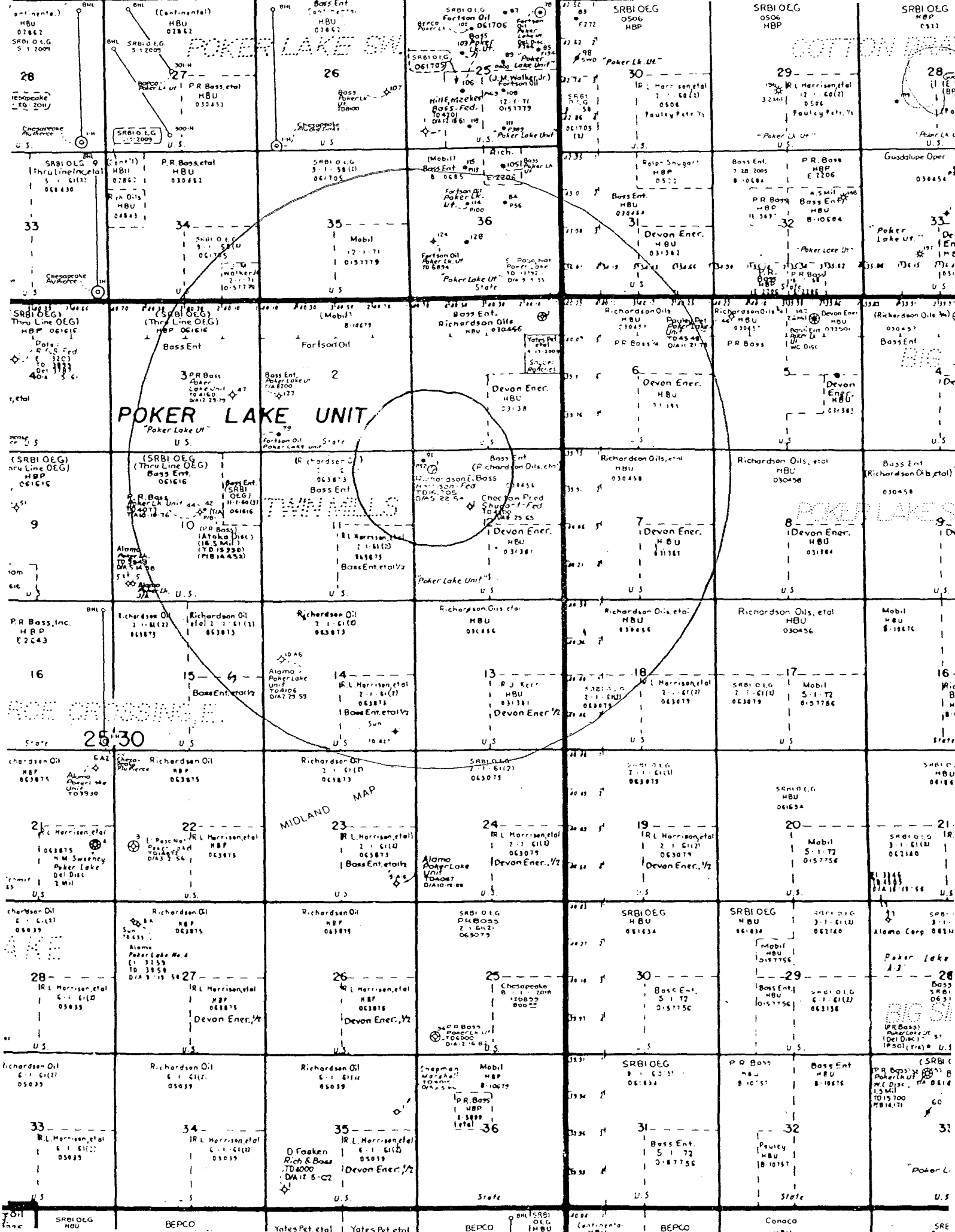
Size:
 Wt:
 Grd:
 Set @: 0' - 9850'
 Sxs Cmt:
 TOC: Surface

Open Hole

Size: 5 7/8"



Updated: 12/14/2010
 Author: crm
 Engr: CCC



PLUG AND ABANDON WELLBORE

LEASE: POKER LAKE UNIT **WELL #:** 91 -- P&A'D (6/13/2007)
FIELD: NE CORRAL CANYON (DELAWARE) FIELD
LOCATION: 360' FNL & 330' FWL, SEC 12, T25S, R30E
COUNTY: EDDY **ST:** NM **API:** 30-015-29509

KB:	3372.5'
GL:	3355.7'
SPUD DATE:	6/1/1997
COMP DATE:	7/4/1997

SURFACE CASING

SIZE: 11-3/4"
 WT/GRD: 42# WC-40 STC
 CSA: 1079'
 SX: 625
 CIRC: Yes 161 SXS
 TOC: SURF
 HOLE SIZE: 14-3/4" 1084'

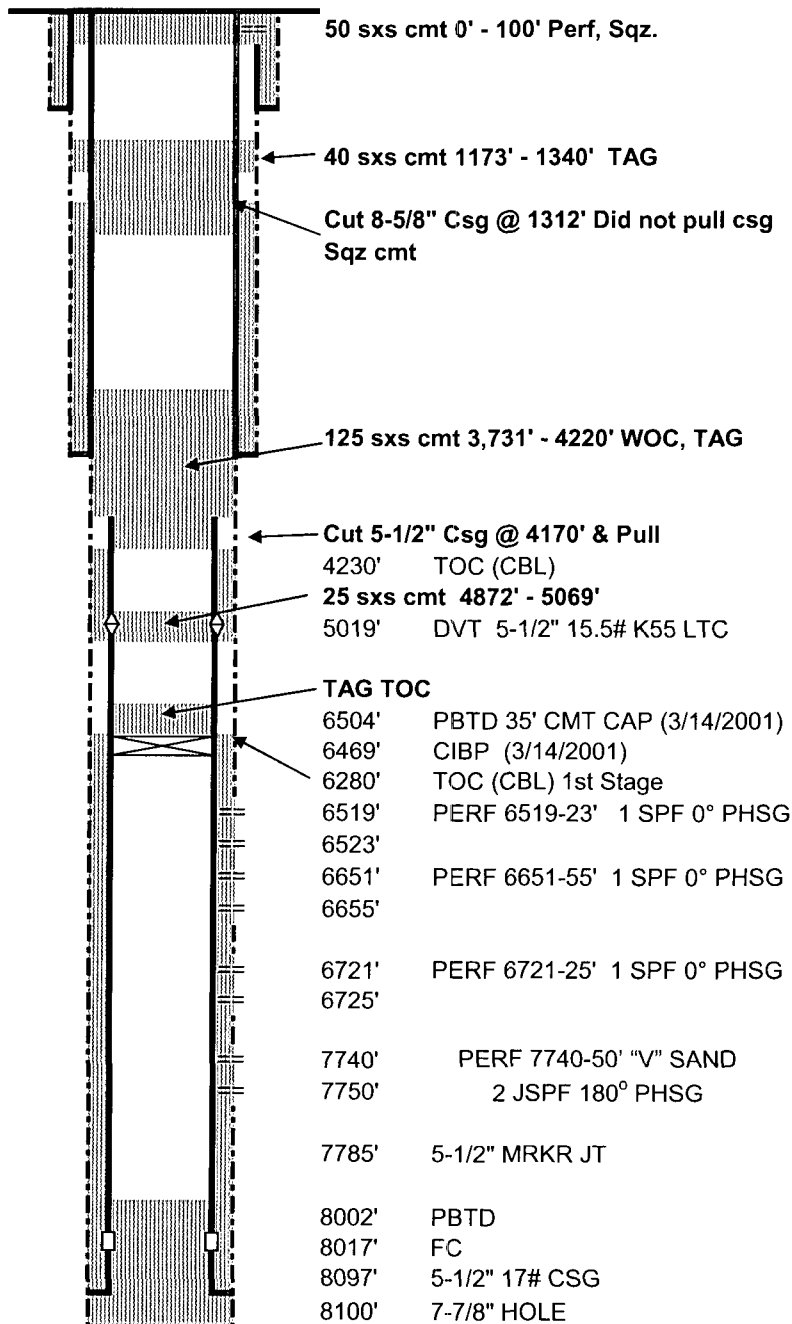
INTERMEDIATE CASING

SIZE: 8-5/8"
 WT/GRD: 32# WC50 LTC
 CSA: 4070'
 SX: 1550
 CIRC: No
 TOC: 1356' TS
 HOLE SIZE: 11" 4072'

NOTE: CALIPER INDICATES AVG HOLE SIZE 14-1/4"

PRODUCTION CASING

SIZE: 5-1/2"
 WT/GRD: 15.5# K55 0-5019'
 WT/GRD: 17# LS LTC 5019-8097'
 CSA: 8097'
 SX: 440 CLS "H"
 SX: 300 CLS "C"
 CIRC: No 6280' CBL
 TOC: 4230' CBL
 HOLE SIZE: 7-7/8" 8100'



PBTD: 6504'
 TD: 8100'
 LOGGER TD: 8128'

Updated: 3/9/2007
 Author: WHF
 Engr: MMM

N. M. O. C. C. COPY

Bureau of Land Management
Approved: _____

Land Office New Mexico

Lease No. 030456

Unit Poker Lake

(SUBMIT IN TRIPLICATE)

UNITED STATES RECEIVED

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

OCT 1 1965

O. C. C.

APPROVED

SEP 3 1965
RUDOLPH C. BAIER, JR.
DISTRICT ENGINEER

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER ACTION

September 26, 1965

CHOCTAW PRODUCTION CO. - Shugart Federal

Well No. 1 is located 1980 ft. from N line and 1980 ft. from E line of sec. 12

NW 1/4 Sec. 12

T-25-S R-30-E

NMPM

Wildcat

Eddy County

New Mexico

KDB Elev. (Measurement Datum) is

The elevation of the derrick floor above sea level is 3370 ft. 3371. Ground Level Elev. is 3363.

DETAILS OF WORK

State names of and expected depths to obtain the sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work.

Well was drilled to a total depth of 4200' as of 6:30 p.m. MST 9-25-65. The interval 4100-4200 was cored, a Lane Wells gamma ray - acoustic log had been run, and a drill stem test had been taken. The drill stem test was run with a straddle tool to test the interval 4123 -4135, recovering 330' of salt water. Verbal application to plug and abandon was made to Mr. Knauf with the USGS at Artesia, and it was agreed that the well would be plugged by spotting sufficient cement to make a 100' plug at each of the following depths; 4150-4050, at the anhydrite between the Castile and Salado (about 2400-2300), at the top of salt 900-800, across the bottom of the surface casing 390-290. The final plug will be 15 sec. in the top of the 8-5/8" OD casing, with the 4 1/2" OD pipe marker stencilled with the name of the operator, name of well, and location.

No wellbore sketch found on ocd website.

Understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Choctaw Production Company

Address 815 Throckmorton Street

Ft. Worth, Texas 76102

By *Walter D. Powers*
Walter D. Powers
Engineer

GPO 51643

Analytical Laboratory Report for:

BOPCO LP



BJ Chemical Services

Account Representative:

Mossman, Willis

Production Water Analysis

*freshwater stock tank
near PLU91*

Listed below please find water analysis report from: POKER LAKE UNIT, Fresh Water Well 91

360' FNZ+

330' FWL

Sec 12, T25S, R30E

Lab Test No: 2010120071

Sample Date:

04/22/2010

Specific Gravity: 1.002

TDS: 730

pH: 7.60

Cations:	mg/L	as:
Calcium	109	(Ca ⁺⁺)
Magnesium	29.00	(Mg ⁺⁺)
Sodium	78	(Na ⁺)
Iron	0.50	(Fe ⁺⁺)
Potassium	5.0	(K ⁺)
Barium	0.46	(Ba ⁺⁺)
Strontium	1.31	(Sr ⁺⁺)
Manganese	0.03	(Mn ⁺⁺)
Anions:	mg/L	as:
Bicarbonate	146	(HCO ₃ ⁻)
Sulfate	240	(SO ₄ ⁼)
Chloride	120	(Cl ⁻)
Gases:		
Carbon Dioxide	50	(CO ₂)
Hydrogen Sulfide	17	(H ₂ S)

BOPCO LP

Lab Test No: 2010120071

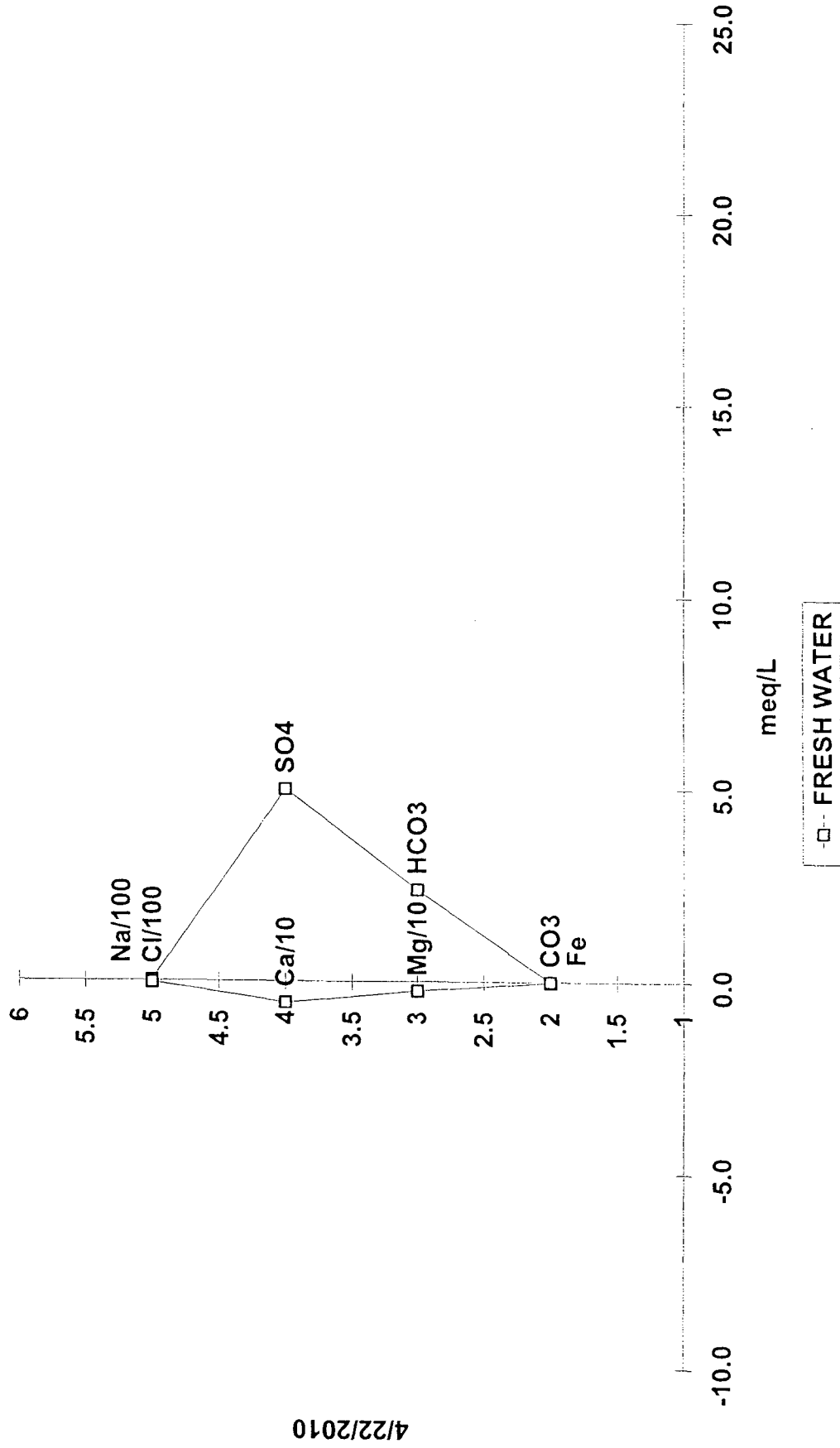
DownHole SAT™ Scale Prediction
@ 100 deg. F**Chemical Services**

Mineral Scale	Saturation Index	Momentary Excess (lbs/1000 bbls)
Calcite (CaCO ₃)	1.50	0.21
Strontianite (SrCO ₃)	0.05	-4.75
Anhydrite (CaSO ₄)	0.04	-1079.08
Gypsum (CaSO ₄ *2H ₂ O)	0.06	-967.16
Barite (BaSO ₄)	9.05	0.70
Celestite (SrSO ₄)	0.03	-85.60
Siderite (FeCO ₃)	14.31	0.58
Halite (NaCl)	0.00	-426942.47
Iron sulfide (FeS)	328.85	0.42

Interpretation of DHSat Results:

The Saturation Index is calculated for each mineral species independently and is a measure of the degree of supersaturation (driving force for precipitation) under the conditions modeled. This value ranges from 0 to infinity with 1.0 representing a condition of equilibrium where scale will neither dissolve nor precipitate. Values less than 1.0 are undersaturated and values greater than 1.0 are supersaturated. The Momentary excess is a measure of how much scale would have to precipitate to bring the system back to a non-scaling condition. This value ranges from negative (dissolving) to positive (precipitating) values. The Momentary Excess represents the amount of scale possible while the Saturation Level represents the probability that scale will form.

FRESH WATER STOCK TANK NEAR PLU 91



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

(432) 683-2277

FAX (432) 687-0329

November 11, 2010

Re: Application to Inject Fluid
JF Harrison Fed #1
Eddy County, New Mexico
File: 100-WF: HarFed 1 Offsetownerltr

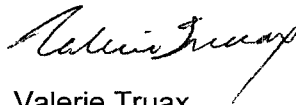
Exxon Mobile Production Corp
c/o Mr. Bob Mathew
Corp-WGR-776
P.O. Box 4610
Houston, TX 77210-4610

Mr. Mathew:

This letter and attached copy of our injection well application is to notify you, as offset operator, that BOPCO, L.P. is petitioning the Oil Conservation Division to grant permission to inject fluid into a non productive zone of oil and gas in the subject wellbore.

If you should have any questions or require additional information, please contact Valerie Truax at the above letterhead address, phone number or via email at vltruax@basspet.com. Any objections or requests for hearing must be filed with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days of this letter's date. Please sign and return the enclosed Waiver Request if there are no objections.

Sincerely,



Valerie Truax
Regulatory Clerk

vlt
Attachments

2. Article Number

3. Service Type: CERTIFIED MAIL

4. Restricted Delivery / Extra Fee: Yes

Article Addressed to:

COMPLETE THIS SECTION ON DELIVERY

A. Receiver's Signature (Print Name)

B. Date of Delivery

C. Signature

D. Signature

E. Signature

F. Signature

G. Signature

H. Signature

I. Signature

J. Signature

K. Signature

L. Signature

M. Signature

N. Signature

O. Signature

P. Signature

Q. Signature

R. Signature

S. Signature

T. Signature

U. Signature

V. Signature

W. Signature

X. Signature

Y. Signature

Z. Signature

AA. Signature

AB. Signature

AC. Signature

AD. Signature

AE. Signature

AF. Signature

AG. Signature

AH. Signature

AI. Signature

AJ. Signature

AK. Signature

AL. Signature

AM. Signature

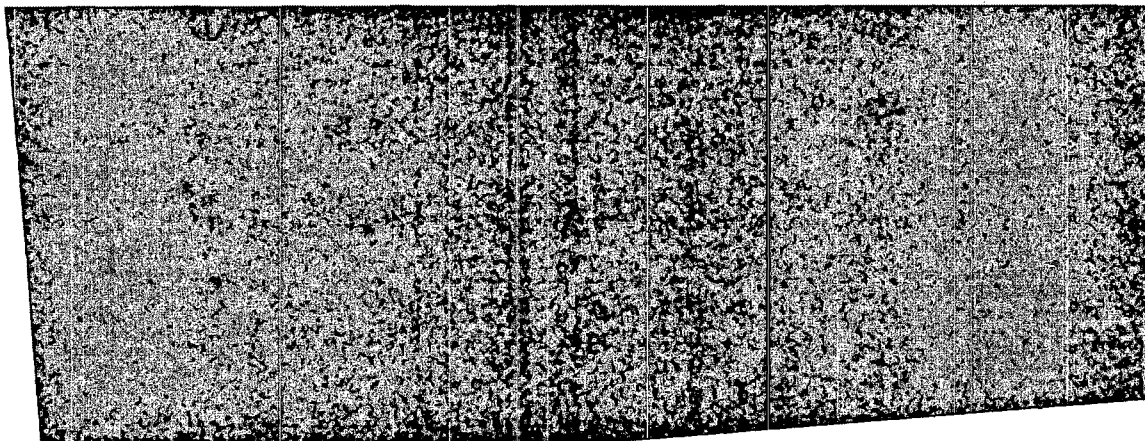
AN. Signature

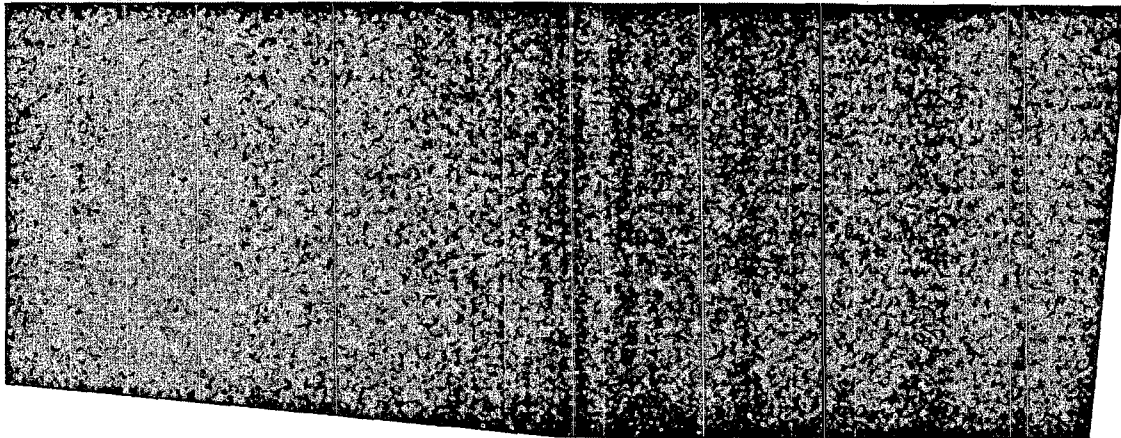
AO. Signature

AP. Signature

AP Form 3811, January 2005

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





COMPLETE THIS SECTION ON DELIVERY

H. Dada
H. Dada
1301 W. Canal

NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

3000 4100 5000 6100 7100 8100 9100

3. Silver TWO CERTIFIED MAIL
4. Signature (Print Name) (Last, First, Middle Initial)
5. Address (Print Name) (Last, First, Middle Initial)
6. City, State, ZIP

OCJ
1301 W. Grand Avenue
Albuquerque, NM 88210

PS Form 3849, January 1995
PSN 7530-01-000-9001

2

2. Article Number

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

7150 3901 9846 3454 8958

3. Service Type: CERTIFIED MAIL

4. Restricted Delivery? (Extra Fee) ☐ Yes

1. Article Addressed to:

SWD
Kanus

Devon Energy Prof. Corp.
c/o Teresa Hargreaves
20 N Broadway Suite 1500
Oklahoma City OK 73102

C. Signature *[Signature]*

D. Is return address different from item? ☒ YES, enter delivery address below

Agent Address See

DEC 20 2003

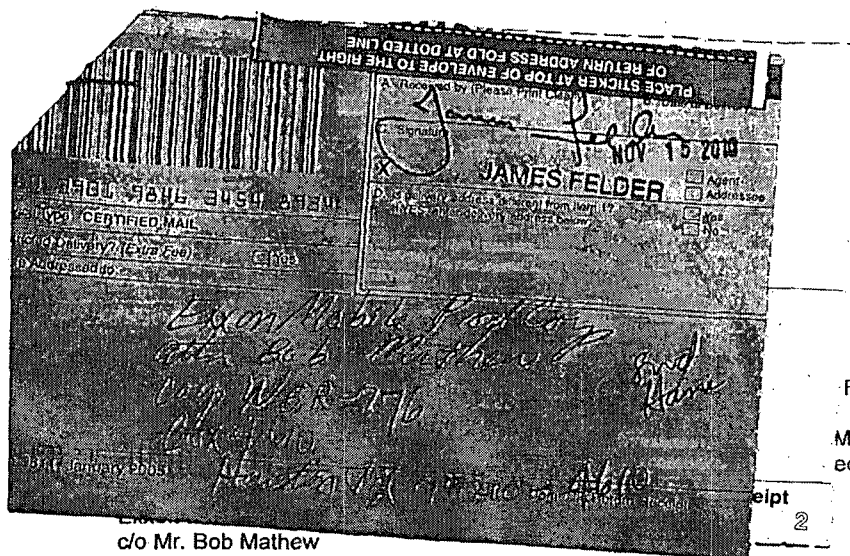
USPS

Domestic Return Receipt

PS Form 3811, January 2005

STAMPED BY
DEVON

Signed receipt for JF Harrison Fed #1 SWD
well.



FAX (432) 687-0329

Fluid

Mexico
ed 1 Offsetownerltr

ceipt
2

c/o Mr. Bob Mathew
Corp-WGR-776
P.O. Box 4610
Houston, TX 77210-4610

Mr. Mathew:

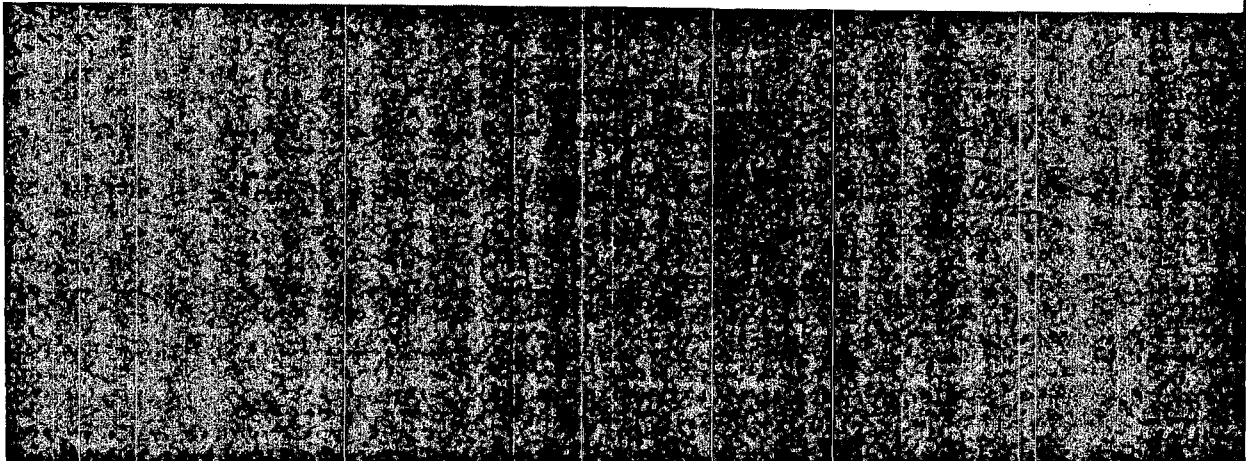
This letter and attached copy of our injection well application is to notify you, as offset operator, that BOPCO, L.P. is petitioning the Oil Conservation Division to grant permission to inject fluid into a non productive zone of oil and gas in the subject wellbore.

If you should have any questions or require additional information, please contact Valerie Truax at the above letterhead address, phone number or via email at vltruax@basspet.com. Any objections or requests for hearing must be filed with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days of this letter's date. Please sign and return the enclosed Waiver Request if there are no objections.

Sincerely,

Valerie Truax
Regulatory Clerk

vit
Attachments



2. Article Number

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

3. Service Type CERTIFIED MAIL

4. Restricted Delivery? (Extra Fee)

1. Article Addressed to:

PS Form 3811, January 2005

Domestic Return Receipt

7110 3501 9846 3454 8334

Exxon Mobile Prod Corp
c/o Bob Mathews
Corp WSR-776
Box 4610
Houston TX 77210-4610

JAMES FELDER

Signature

Date of Delivery

NOV 15 2010

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

Agent Addressee

Yes No

signed Receipt
by Exxon for
JF Hamison SUD
well application

RECEIVED OGD
2010 NOV 23 A 11:33

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:

October 16 2010

That the cost of publication is \$56.74 and that payment thereof has been made and will be assessed as court costs.

Kathy McCarroll

Subscribed and sworn to before me this

19th day of October, 2010

Stephanie Dobson

My commission Expires on 1/25/2014

Notary Public



RECEIVED
OCT 27 2010
BOPCO WTD PRODUCTION

October 16, 2010
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 not productive of oil or gas.
The applicant proposes to dispose of produced water or other oil and gas waste into the JF Harrison Field (JF Harrison Formation). The maximum injection pressure will be 3,325 psi and the maximum rate will be 15,000 bbls produced water/day. The proposed disposal well is located 14 miles southeast of Midland, New Mexico in Section 12, T25S, R30E, Eddy County, New Mexico. The produced salt water will be disposed at a subsurface depth of 16,626-17,205'.
Any questions concerning this application should be directed to Valerie Truax, Regulatory Clerk, BOPCO, L.P., P.O. Box 2760, Midland, Texas 79702-2760, (432) 683-2277.
Interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 S. St. Francis Dr., Santa Fe, New Mexico 87505 within 15 days.

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Monday, December 13, 2010 5:16 PM
To: 'Truax, Valerie L.'
Cc: Ezeanyim, Richard, EMNRD; Dade, Randy, EMNRD; 'Wesley_Ingram@blm.gov'
Subject: Disposal application from BOPCO LP: J.F. Harrison Federal #1 30-015-04749 Devonian from 16626 - 17205 open hole

Hello Valerie:
Just reviewed your application.

→ Andy Morrison will send out Broker TODAY 12/14/10

- a. Please confirm that Exxon is the only other owner within the ½ mile Area of Review. The midland map you sent with the application shows Fortson and Devon also....so I am confused.
- b. Please send proof of notice to the BLM in Carlsbad.
- c. We have the summary of the extensive coring and DST's on this deep, science well, but no elogs appear on the OCD web site. Please look through your internal well file and send copies of any logs run to the Hobbs OCD office for scanning into the imaging system. If no logs were run, let me know that also.
- d. The 7 inch liner is shown as extending from 9850 to 16626. The post conversion wellbore diagram shows tieback cement of the new 7 inch to approx 7000 feet. Is this correct? Is the 7 inch casing planned to extend to surface?

Thank you for this application.

Regards,

William V Jones, P.E.
Engineering, Oil Conservation Division
1220 South St. Francis Drive, Santa Fe, NM 87505
Tel 505.476.3448 ~ Fax 505.476.3462



12/15/10 - NOTICED
DEVON
Robbie X 1/3/11

Jones, William V., EMNRD

From: Truax, Valerie L. [VLTruax@BassPet.Com]
Sent: Wednesday, December 15, 2010 9:25 AM
To: Jones, William V., EMNRD
Cc: Cruz, Carlos
Subject: RE: Disposal application from BOPCO LP: J.F. Harrison Federal #1 30-015-04749 Devonian from 16626 - 17205 open hole
Attachments: HARSWD.pdf; Harr Fed.pdf

Will,

- a. Andy spoke to you. Exxon attached; Devon in process.
- b. see attached – sorry I had some confusion on the Exxon receipt & didn't get these to you earlier. (We have had no response from Exxon.) If you can't read these or need me to mail them to you, please let me know.
- c. Contacted Larry in Ft. Worth – waiting on his response.
- d. Per Carlos, we will run the cement & liner to the surface. I have attached an updated proposed wellbore sketch.

Will get to your other emails soon....thanks. Valerie

From: Jones, William V., EMNRD [<mailto:William.V.Jones@state.nm.us>]
Sent: Monday, December 13, 2010 6:16 PM
To: Truax, Valerie L.
Cc: Ezeanyim, Richard, EMNRD; Dade, Randy, EMNRD; Wesley_Ingram@blm.gov
Subject: Disposal application from BOPCO LP: J.F. Harrison Federal #1 30-015-04749 Devonian from 16626 - 17205 open hole

Hello Valerie:
Just reviewed your application.

- a. Please confirm that Exxon is the only other owner within the ½ mile Area of Review. The midland map you sent with the application shows Fortson and Devon also.....so I am confused.
- b. Please send proof of notice to the BLM in Carlsbad.
- c. We have the summary of the extensive coring and DST's on this deep, science well, but no elogs appear on the OCD web site. Please look through your internal well file and send copies of any logs run to the Hobbs OCD office for scanning into the imaging system. If no logs were run, let me know that also.
- d. The 7 inch liner is shown as extending from 9850 to 16626. The post conversion wellbore diagram shows tieback cement of the new 7 inch to approx 7000 feet. Is this correct? Is the 7 inch casing planned to extend to surface?

Thank you for this application.

Regards,

William V Jones, P.E.
Engineering, Oil Conservation Division
1220 South St. Francis Drive, Santa Fe, NM 87505
Tel 505.476.3448 ~ Fax 505.476.3462



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.

Jones, William V., EMNRD

From: Truax, Valerie L. [VLTruax@BassPet.Com]
Sent: Wednesday, December 15, 2010 9:21 AM
To: Jones, William V., EMNRD
Subject: FW: Disposal application from BOPCO LP: J.F. Harrison Federal #1 30-015-04749 Devonian from 16626 - 17205 open hole
Attachments: JF Harrison SWD .5mi plat.pdf

Will, I am in the process of sending the notification to Devon. I have some answers to some of your other questions – they are on the way.

From: Morrison, Andy
Sent: Wednesday, December 15, 2010 9:07 AM
To: Truax, Valerie L.
Subject: RE: Disposal application from BOPCO LP: J.F. Harrison Federal #1 30-015-04749 Devonian from 16626 - 17205 open hole

Valerie,

Please find attached a plat showing the 1/2mile radius around the JF Harrison well. In addition to XOM in Sec. 2, we will also need to notify Devon. The plat attached to the original map is very old, Devon now owns Fortson's interest. I spoke with Will Jones yesterday and he said he would have the application ready to go out pending proof of notification to all 3rd parties. If you need anything else, please let me know.

Thanks,

Andy Morrison
BOPCO, L.P.
201 N. Main St., Suite 2900
Fort Worth, TX 76102
Bus: (817) 339-7036
Fax: (817) 339-7102

From: Truax, Valerie L.
Sent: Tuesday, December 14, 2010 9:16 AM
To: Morrison, Andy
Subject: FW: Disposal application from BOPCO LP: J.F. Harrison Federal #1 30-015-04749 Devonian from 16626 - 17205 open hole

Andy, what kind of a response do you want me to send Will regarding his point a (see attached map)? Or do you want to answer him directly? Thanks. Valerie

From: Jones, William V., EMNRD [<mailto:William.V.Jones@state.nm.us>]
Sent: Monday, December 13, 2010 6:16 PM
To: Truax, Valerie L.
Cc: Ezeanyim, Richard, EMNRD; Dade, Randy, EMNRD; [Wesley Ingram@blm.gov](mailto:Wesley_Ingram@blm.gov)
Subject: Disposal application from BOPCO LP: J.F. Harrison Federal #1 30-015-04749 Devonian from 16626 - 17205 open hole

Hello Valerie:
Just reviewed your application.

- a. Please confirm that Exxon is the only other owner within the ½ mile Area of Review. The midland map you sent with the application shows Fortson and Devon also.....so I am confused.
- b. Please send proof of notice to the BLM in Carlsbad.
- c. We have the summary of the extensive coring and DST's on this deep, science well, but no elogs appear on the OCD web site. Please look through your internal well file and send copies of any logs run to the Hobbs OCD office for scanning into the imaging system. If no logs were run, let me know that also.
- d. The 7 inch liner is shown as extending from 9850 to 16626. The post conversion wellbore diagram shows tieback cement of the new 7 inch to approx 7000 feet. Is this correct? Is the 7 inch casing planned to extend to surface?

Thank you for this application.

Regards,

William V Jones, P.E.
Engineering, Oil Conservation Division
1220 South St. Francis Drive, Santa Fe, NM 87505
Tel 505.476.3448 ~ Fax 505.476.3462



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.

Jones, William V., EMNRD

From: Truax, Valerie L. [VLTruax@BassPet.Com]
Sent: Thursday, December 23, 2010 9:31 AM
To: Jones, William V., EMNRD
Subject: FW: Disposal application from BOPCO LP: J.F. Harrison Federal #1 30-015-04749 Devonian from 16626 - 17205 open hole
Attachments: JF Harrison SWD .5mi plat.pdf

I believe you should have the information you requested. If you are missing something, please let me know! Merry Christmas.

From: Truax, Valerie L.
Sent: Wednesday, December 15, 2010 10:21 AM
To: 'Jones, William V., EMNRD'
Subject: FW: Disposal application from BOPCO LP: J.F. Harrison Federal #1 30-015-04749 Devonian from 16626 - 17205 open hole

Will, I am in the process of sending the notification to Devon. I have some answers to some of your other questions – they are on the way.

From: Morrison, Andy
Sent: Wednesday, December 15, 2010 9:07 AM
To: Truax, Valerie L.
Subject: RE: Disposal application from BOPCO LP: J.F. Harrison Federal #1 30-015-04749 Devonian from 16626 - 17205 open hole

Valerie,

Please find attached a plat showing the 1/2mile radius around the JF Harrison well. In addition to XOM in Sec. 2, we will also need to notify Devon. The plat attached to the original map is very old, Devon now owns Fortson's interest. I spoke with Will Jones yesterday and he said he would have the application ready to go out pending proof of notification to all 3rd parties. If you need anything else, please let me know.

Thanks,

Andy Morrison
BOPCO, L.P.
201 N. Main St., Suite 2900
Fort Worth, TX 76102
Bus: (817) 339-7036
Fax: (817) 339-7102

From: Truax, Valerie L.
Sent: Tuesday, December 14, 2010 9:16 AM
To: Morrison, Andy
Subject: FW: Disposal application from BOPCO LP: J.F. Harrison Federal #1 30-015-04749 Devonian from 16626 - 17205 open hole

Andy, what kind of a response do you want me to send Will regarding his point a (see attached map)? Or do you want to answer him directly? Thanks. Valerie

From: Jones, William V., EMNRD [<mailto:William.V.Jones@state.nm.us>]

Sent: Monday, December 13, 2010 6:16 PM

To: Truax, Valerie L.

Cc: Ezeanyim, Richard, EMNRD; Dade, Randy, EMNRD; Wesley_Ingram@blm.gov

Subject: Disposal application from BOPCO LP: J.F. Harrison Federal #1 30-015-04749 Devonian from 16626 - 17205 open hole

Hello Valerie:

Just reviewed your application.

- a. Please confirm that Exxon is the only other owner within the ½ mile Area of Review. The midland map you sent with the application shows Fortson and Devon also.....so I am confused.
- b. Please send proof of notice to the BLM in Carlsbad.
- c. We have the summary of the extensive coring and DST's on this deep, science well, but no elogs appear on the OCD web site. Please look through your internal well file and send copies of any logs run to the Hobbs OCD office for scanning into the imaging system. If no logs were run, let me know that also.
- d. The 7 inch liner is shown as extending from 9850 to 16626. The post conversion wellbore diagram shows tieback cement of the new 7 inch to approx 7000 feet. Is this correct? Is the 7 inch casing planned to extend to surface?

Thank you for this application.

Regards,

William V Jones, P.E.

Engineering, Oil Conservation Division

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

Tel 505.476.3448 ~ Fax 505.476.3462



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.

Jones, William V., EMNRD

From: Truax, Valerie L. [VLTruax@BassPet.Com]
Sent: Thursday, December 23, 2010 8:52 AM
To: Jones, William V., EMNRD; Galindo, Erma M.
Subject: FW: Disposal application from BOPCO LP: J.F. Harrison Federal #1 30-015-04749 Devonian from 16626 - 17205 open hole

Will, for your info, I received the signed certified mail receipt from the OCD office in Hobbs (signed on 12/20/10).

From: Truax, Valerie L.
Sent: Friday, December 17, 2010 9:09 AM
To: 'Jones, William V., EMNRD'
Subject: FW: Disposal application from BOPCO LP: J.F. Harrison Federal #1 30-015-04749 Devonian from 16626 - 17205 open hole

In fact, they are going out today.

From: Truax, Valerie L.
Sent: Friday, December 17, 2010 7:41 AM
To: 'Jones, William V., EMNRD'
Subject: RE: Disposal application from BOPCO LP: J.F. Harrison Federal #1 30-015-04749 Devonian from 16626 - 17205 open hole

Our IT guy remembers sending another file to you – but we sent them via CD. He is in the process of converting them. As soon as he completes the transfer, I will send the CD to the Hobbs office.

From: Jones, William V., EMNRD [mailto:William.V.Jones@state.nm.us]
Sent: Thursday, December 16, 2010 10:12 AM
To: Truax, Valerie L.
Cc: Ludwick, Larry; Kautz, Paul, EMNRD
Subject: RE: Disposal application from BOPCO LP: J.F. Harrison Federal #1 30-015-04749 Devonian from 16626 - 17205 open hole

Valerie:

This attachment did not come through – the IT gurus are holding it hostage somewhere in IT Land.

If you folks would just send a copy of all logs run (Field Prints) on this well to the Hobbs district office in Hobbs – attention Paul Kautz.

We have a log scanner in Hobbs. You could call Paul and he could tell you more about this:
OFFICE: (575) 393-6161 FAX: (575) 393-0720

I see in the file that the following logs were run:

CNL/FDC

DLL-MSFL

These should be available on the OCD imaged web site.

Thank You,

Will Jones
New Mexico

From: Truax, Valerie L. [mailto:VLTruax@BassPet.Com]
Sent: Thursday, December 16, 2010 8:55 AM
To: Jones, William V., EMNRD
Subject: FW: Disposal application from BOPCO LP: J.F. Harrison Federal #1 30-015-04749 Devonian from 16626 - 17205 open hole

Will, one more step. The attached should answer #c. Thanks!

From: Ludwick, Larry
Sent: Thursday, December 16, 2010 9:39 AM
To: Truax, Valerie L.
Subject: RE: Disposal application from BOPCO LP: J.F. Harrison Federal #1 30-015-04749 Devonian from 16626 - 17205 open hole

Attached are tif files of E-Log & GR-Neutron that were on our database. I would think that they should suffice for OCD.

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

From: Truax, Valerie L.
Sent: Tuesday, December 14, 2010 9:35 AM
To: Ludwick, Larry
Subject: FW: Disposal application from BOPCO LP: J.F. Harrison Federal #1 30-015-04749 Devonian from 16626 - 17205 open hole

Larry, Will at the OCD is requesting log info (point c below), none of which we have here in Midland. Carlos & I thought you would be able to help us with Will's request. Thanks. Valerie

From: Jones, William V., EMNRD [mailto:William.V.Jones@state.nm.us]
Sent: Monday, December 13, 2010 6:16 PM
To: Truax, Valerie L.
Cc: Ezeanyim, Richard, EMNRD; Dade, Randy, EMNRD; Wesley_Ingram@blm.gov
Subject: Disposal application from BOPCO LP: J.F. Harrison Federal #1 30-015-04749 Devonian from 16626 - 17205 open hole

Hello Valerie:
Just reviewed your application.

- a. Please confirm that Exxon is the only other owner within the ½ mile Area of Review. The midland map you sent with the application shows Fortson and Devon also.....so I am confused.
- b. Please send proof of notice to the BLM in Carlsbad.
- c. We have the summary of the extensive coring and DST's on this deep, science well, but no elogs appear on the OCD web site. Please look through your internal well file and send copies of any logs run to the Hobbs OCD office for scanning into the imaging system. If no logs were run, let me know that also.

- d. The 7 inch liner is shown as extending from 9850 to 16626. The post conversion wellbore diagram shows tieback cement of the new 7 inch to approx 7000 feet. Is this correct? Is the 7 inch casing planned to extend to surface?

Thank you for this application.

Regards,

William V Jones, P.E.

Engineering, Oil Conservation Division
1220 South St. Francis Drive, Santa Fe, NM 87505
Tel 505.476.3448 ~ Fax 505.476.3462



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.

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.

Injection Permit Checklist (11/15/2010)

WFX

PMX

SWD

Permit Date

UIC Qtr

Wells 1 Well Name(s): J.F. HARRISON FED. #1

API Num: 30-0 15-04749 Spud Date: 7/22/1952 New/Old: 0 (UIC primacy March 7, 1982)

Footages 660 FNL/660 FWL Unit D Sec 12 Tsp 25 S Rge 30 E County EDDY

General Location: 14 mi SE of Malaga ~ 12 mi N. of Red Bluff Res.

Operator: BOPCO L.P.

Contact Valerie Truax

OGRID: 26037 RULE 5.9 Compliance (Wells) 4/402 (Finan Assur) OK IS 5.9 OK? OK

Well File Reviewed Current Status: PEAKED

Planned Work to Well: RE-Enter inside 7" CG & 4 1/2 TBG

Diagrams: Before Conversion After Conversion Elogs in Imaging File: NO LOGS

Well Details:

	Sizes Hole.....Pipe	Setting Depths	Stage Tool	Cement Sx or Cf	Determination Method
New Existing Surface	24 - 20	557		750	CIRC
New Existing Interm	17 1/2 - 13 3/8	3,971	2792	6400	CIRC
New Existing LongSt	12 1/4 - 9 5/8	10,073	6908	3,507	4560'
New Existing Liner	7 1/8	9850 - 16,626		1675	10,490'
New Existing OpenHole	5 1/8	16,626 - 17,205			

Depths/Formations:

	Depths, Ft.	Formation	Tops?
Formation(s) Above			
Injection TOP:	16626	Raw	Max. PSI 3325 OpenHole Perfs
Injection BOTTOM:	17205	Raw	Tubing Size 4 1/2 Packer Depth 16575
Formation(s) Below			

Capitan Reef? (Rotash? Noticed?) [WIPP? Noticed?] Salado Top/Bot Cliff House?

Fresh Water: Depths: 580 - 1260' Formation Rutherford Wells? yes Analysis? Affirmative Statement

Disposal Fluid Analysis? Sources: Delaware

Disposal Interval: Analysis? Production Potential/Testing: Total wet Bore DST

Notice: Newspaper Date 10/16/10 Surface Owner BLM Mineral Owner(s)

RULE 26.7(A) Affected Persons: Exxon mobile

AOR: Maps? Well List? Producing in Interval? No Wellbore Diagrams?

.....Active Wells 0 Repairs? Which Wells?

.....P&A Wells 0 Repairs? Which Wells?

Issues: Tie Back to 7" ? why not @ 9850' is Top of 7 1/8" hole PSI 3971 - 1586'