

DATE IN <u>10.17.11</u>	SUSPENSE	ENGINEER <u>TW</u>	LOGGED IN <u>10.17.11</u>	TYPE <u>WFX</u>	APP NO. <u>1129051521</u>
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ABOVE THIS LINE FOR DIVISION USE ONLY

EMSU #111 API No. 30-025-02683

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

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



EXT 5380
OCT 17

ADMINISTRATIVE APPLICATION CHECKLIST 30-025-06283

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

Application Acronyms:

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

- [1] TYPE OF APPLICATION - Check Those Which Apply for [A]
- [A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD
- Check One Only for [B] or [C]
- [B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☒ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR
- [D] Other: Specify _____

- [2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply
- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☒ Offset Operators, Leaseholders or Surface Owner
- [C] ☒ Application is One Which Requires Published Legal Notice
- [D] ☒ Notification and/or Concurrent Approval by BLM or SLO
 U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

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

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

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

Sharon Hindman
Print or Type Name

Signature

Regulatory Analyst
Title

10/14/2011
Date

sharon.hindman@xtoenergy.com
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: XTO Energy, Inc.

ADDRESS: 200 N. Loraine, Ste. 800 Midland, TX 79705

CONTACT PARTY: Sharon Hindman PHONE: 432-620-6741

III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed 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: R-7766

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. SEE ATTACHED

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. SEE ATTACHED

VII. Attach data on the proposed operation, including: ATTACHED

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. ATTACHED

IX. Describe the proposed stimulation program, if any. ATTACHED

*X. Attach appropriate logging and text data on the well. (If well logs have been filed with the Division they need not be 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. ATTACHED

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. ATTACHED

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: Sharon Hindman TITLE: Regulatory Analyst

SIGNATURE: Sharon Hindman DATE: 10/14/2011

EMAIL: sharon.hindman@xtoenergy.com

* If the information required under Section VI, VIII, 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. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include: ATTACHED

- (1) Lease name; Well No.: location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name. EUNICE MONUMENT; GRAYBURG-SAN ANDRES
- (2) The injection interval and whether it is perforated or open-hole. 3634' - 3684' Perforated
3726' - 3891' OH
- (3) State if the well was drilled for injection or, if not, the original purpose of the well. OIL WELL PRODUCER
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations. SEE WELLBORE DIAGRAM
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.
Next Higher is Penrose - Top is @ 3438' & Next Lower is San Andres - Top of SA is @ 3911'.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location. ATTACHED

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include: ATTACHED

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

INJECTION WELL DATA SHEET

Tubing Size: 2 7/8 Lining Material: IPC

Type of Packer: 6 5/8" Injection (Tension) Pkr.

Packer Setting Depth: 3500

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____ Yes x No
If no, for what purpose was the well originally drilled? oil Producer

2. Name of the Injection Formation: Grayburg

3. Name of Field or Pool (if applicable): Eunice Monument

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. See wellbore diagram

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

San Andres @ 3911' Below

Penrose @ 3438' Above

INJECTION WELL DATA SHEET

OPERATOR: XTO Energy, Inc.

WELL NAME & NUMBER: Emice Monument South Unit #111

WELL LOCATION: 1980' FWL & 1900' FWL
FOOTAGE LOCATION

F 30 SECTION 20-S TOWNSHIP 37-E
UNIT LETTER RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole size: 17 1/2 Casing size: 12 1/2

Cemented with: 200 sx. or ft³

Top of Cement: Surface Method Determined: Calculated

Intermediate Casing

Hole size: 11 Casing size: 8 5/8

Cemented with: 600 sx. or ft³

Top of Cement: 300 Method Determined: TS

Production Casing

Hole size: 7 3/4 Casing size: 6 5/8

Cemented with: 100 sx. or ft³

Top of Cement: 2679 Method Determined: Calculated

Total depth: 3891

Injection Interval

3634 feet to 3891

(Perforated or Open Hole; indicate which)

XTO Energy, Inc.
Eunice Monument South Unit #111W
API No. 30-025-06283
Section 30, T-20S, R-37E
Lea County, New Mexico
C-108 (Application for the Authorization to Inject)

VII. Data For Proposed Operation

1. Proposed Daily Rate & volume of fluids to be injected;

Maximum: 2000 BWPD

Average: 1000 BWPD

2. Open or Closed System: Closed

3. Proposed average and maximum injection pressure:

Maximum: 710 psig

Average: 710 psig

727
-50
677

700 ✓

4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, Produced Water
5. If injection is for disposal purposes into a zone no productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water.

N/A

VIII. Geological Data

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 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.

The injection zone is the Grayburg dolomite. This formation is approximately 275' thick in this area and begins at a measured depth of 3,620'. There are no known sources of drinking water below the injection zone.

IX. Stimulation Program

Describe the proposed Stimulation program: Sonic Hammer acidize OH (3727'-3891') and Perfs (3634-3684') w/4000 gals 20% NEFE 90/10 acid.

X. Logging – Text Data on Well

Log attached. No well test information available due to well being TA'd for years.

XI. Chemical Analysis

Chemical Analysis of fresh water from two or more fresh water well within one Mile of any injection or disposal well showing location of wells and dates samples were taken. Water and Chemical Analysis are attached.

XII. Geological Statement

XTO has examined the available geologic and engineering data and we find there are no known faults or fractures in the well or area that would provide a connection between the injection zone and potential sources of water.

XIII. Proof of Notice

Proof of Notice on Attached Page.

XTO Energy, Inc. (Operator Ogrid No. 005380)
Eunice Monument South Unit #111W (API# 30-025-06283)
Application for New Injection Permit
Requested Permitted Interval: 3634' – 3891'
Eunice Monument-Grayburg San Andres Pool
1980' FNL & 1900' FWL, Unit Letter F, Section 30, T-20S, R-37E
Lea County, New Mexico

Application Notice Given to:

Mineral & Surface Owner:

New Mexico State Land Office
310 Old Santa Fe Trail
Santa Fe, NM 87501

Jimmie Cooper
7108 West County Road 43
Monument, NM 88266

Operators of wells within a ½-mile radius:

Apache Corp.
6120 S. Yale Suite 1500
Tulsa, OK 74136

Burgandy Oil & Gas of NM Inc.
401 W Texas Ste 1003
Midland, TX 79701

Chevron USA Inc.
15 Smith Road
Midland, TX 79705

Hudson Oil of Texas
616 Texas Street
Ft. Worth, TX 76102

Pre-Ongard Well Opr.
1220 S St. Francis
Santa Fe, NM 87502

Newspaper Notice to Public:

Hobbs Daily News-Sun
201 N Thorp
P. O. Box 936
Hobbs, NM 88241
Tel. No. 575-393-2123

I, Sharon Hindman, do certify that on October 14, 2011 the above listed interested parties were mailed copies of the application to inject for the Eunice Monument South Unit #111W well.



Sharon Hindman, Regulatory Analyst
XTO Energy, Inc.
sharon_hindman@xtoenergy.com

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

CERTIFIED MAIL

7007 2560 0002 4760 2220

7007 2560 0002 4760 2220

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

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Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

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Cont. To

Chevron USA Inc.
15 Smith Road
Midland, TX 79705

PS Form 3800, August 2006 See Reverse for Instructions

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OF THE RETURN ADDRESS. FOLD AT DOTTED LINE.

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Cont. To

Jimmie Cooper
7108 West County Road 43
Monument, NM 88266

PS Form 3800, August 2006 See Reverse for Instructions

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Cont. To

State Land Office
310 Old Santa Fe Trail
Santa Fe, NM 87505

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Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Pre-Ongard Well Operator
1220 S St. Francis
Santa Fe, NM 87502

PS Form 3800, August 2006 See Reverse for Instructions

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Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To
Apache Corp.
6120 S Yale Suite 1500
Tulsa, OK 74136

PS Form 3800, August 2006 See Reverse for Instructions

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

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Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To
Hudson Oil of Texas
616 Texas Street
Ft. Worth, TX 76102

PS Form 3800, August 2006 See Reverse for Instructions

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

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Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark
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Burgandy Oil & Gas of NM Inc.
401 W Texas Ste 1003
Midland, TX 79701

PS Form 3800, August 2006

See Reverse for Instructions

215256	PAR MINERALS CORPORATION	200 N LORRAINE	SUITE 1220	MIDLAND	TX	79701
230387	PARALLEL PETROLEUM LLC	1004 N BIG SPRING	SUITE 400	MIDLAND	TX	79701
225465	PARAWON OPERATING LLC	164 ST FRANCIS STREET	SUITE 205	MOBILE	AL	36602
16895	PARKER & PARKER OIL & GAS INC	PO BOX 1655		LOS LUNAS	NM	870311655
16932	PARKO OIL	PO BOX 1655		LOS LUNAS	NM	870311655
9759	PARRISH, H DWANE & RHONDA K	1306 S 9TH ST		ARTESIA	NM	88210
188566	PATTERSON OPERATING & PUMPING INC DBA/PE	PO BOX 50076		MIDLAND	TX	79710
246798	PECOS OPERATING COMPANY, LLC	400 W. Illinois	Suite 1210	Midland	TX	79701
215758	PECOS PRODUCTION COMPANY	400 W ILLINOIS	SUITE 1070	MIDLAND	TX	79701
17081	PECOS RIVER OP INC	PO Box 1755		Roswell	NM	88202
267422	Pedernales Production, LP	6363 Woodway	Suite 560	Houston	TX	77057
17213	PENROC OIL CORP	PO BOX 2769		HOBBS	NM	882412769
26316	PERMOK OIL INC	1900 WEST 67TH TERRACE		SHAWNEE MISSION	KS	662082110
17293	PETE MILLS	4901 TEAKWOOD		MIDLAND	TX	79707
236452	PETRO MEX LLC	PO Box 6724		Farmington	NM	87499
241851	Petrogulf Corporation	518 17th Street, Suite 1455		Denver	CO	80202
17733	PIERCE PRODUCTION COMPANY, LLC	PO BOX 1969		EUNICE	NM	88231
17786	PITTS ENERGY CO	600 N MARIENFIELD, #101		MIDLAND	TX	79701
34053	PLAINS MARKETING L.P.	500 DALLAS, STE 700		HOUSTON	TX	77002
17820	PLAINS RADIO PET CO	PO BOX 11351		MIDLAND	TX	79702
237788	PLANTATION OPERATING LLC	4700 W. Sam Houston Pkwy N.	Suite 140	Houston	TX	77041
227103	PLATINUM EXPLORATION INC	550 West Texas Avenue	Suite 500	Midland	TX	79701
265076	PNL Operating, LLC	PO Box 831		Casper	WY	82602
248481	Ponderosa Petroleum Corporation	P. O. BOX 132		ROSWELL	NM	88202
173235	PRAIRIE SUN, INC.	3103 YESO RD	PO BOX 8280	ROSWELL	NM	88201
243261	Premier Natural Resources, LLC	5727 S. Lewis Ave.	Suite 200	Tulsa	OK	74105
17985	PREMIER OIL & GAS INC	PO BOX 1246		ARTESIA	NM	88210
214263	PRE-ONGARD WELL OPERATOR	1220 S ST FRANCIS		SANTA FE	NM	BADADDR
151323	PRIDE ENERGY COMPANY	P.O. BOX 701602		TULSA	OK	741701602
154303	PRIMAL ENERGY CORPORATION	21021 Springbrook Plaza Dr.	Suite 160	Spring	TX	77379
18099	PRIME OPERATING CO	3300 NORTH A ST	BLDG ONE STE 238	MIDLAND	TX	79705
18100	PRIMERO OPERATING INC	PO BOX 1433		ROSWELL	NM	88202
153888	PRIMEXX OPERATING CORPORATION	4849 GREENVILLE AVE	STE 1600	DALLAS	TX	75206
271475	Priority Energy LLC	PO Box 663		Summerland	CA	93067
16788	P-R-O MANAGEMENT INC	13601 PRESTON RD		DALLAS	TX	75240
269709	Probit Operating, LLC	110 West Louisiana	Suite 325	Midland	TX	79701
122811	PRONGHORN MANAGEMENT CORP	PO BOX 1772		HOBBS	NM	88241
12444	Providence energy Services, Inc. dba Kelton O	P.O Box 928		Andrews	TX	79714
246069	PUMPJAK OIL COMPANY, LLC	1503 North 13th		Lovington	NM	88260
236435	PURE ENERGY OPERATING, INC.	22610 US HWY 281 NORTH	SUITE 218	SAN ANTONIO	TX	78258
131559	PURVIS OPERATING CO	PO BOX 51990		MIDLAND	TX	797101990
262232	QUALITY TRANSPORT, INC.	7 Crawford Lane		Jal	NM	88252
243874	QUANTUM RESOURCES MANAGEMENT, LLC	1401 McKinney St	Suite 2400	Houston	TX	77010

Per the OCD listing of operators the Pre-Ongard Well Operator listed shows to have a bad address. We noticed this company and have no better address to notice for this new well injection permit.

709 W. INDIANA
MIDLAND, TEXAS 79701
FAX (432) 682-8819



WELL DATA SHEET

LEASE: EMSU WELL: 111
LOC: 1980' F N L & 1980' F W L SEC: 30
TOWNSHIP: 20S CNTY: Lea
RANGE: 37E UNIT: F ST: N.M.
(formerly: State "W" #3)

FORM: Grayburg / San Andres DATE: 3/30/2007
GL: 3541' STATUS: TA'd Producer
KB: 3541' API NO: 30-025-06283
DF: _____ CHEVNO: FA7401

Date Completed: 1/9/37
Initial Production: 142 BOPD
Initial Formation: Grayburg
FROM: 3700' to 3850' / GOR 9155

Completion Data

3/37 ACDZ OH 3727-3852' w/ 2000 gals 15% Dowell IX. Swb & flwd to TT 3 hrs. 145 Bbls oil.

Subsequent Workover or Reconditioning:

4/39 High GOR. Set pkr @ 3740'. Flwg thru 20/64" choke, before work - 30 BOPD + GOR 113000. after work - 47 BOPD + GOR 4000.
5/68 Convert to pump, PMPD 15 BO+5 BW. 11-24' SPM.
3/74 Acdz OHZ 3727-3852' w/ 1500 gals 15% acid. Perf'd OHZ @ 3737, 45, 50, 56, 61, 67, 72, 78, 83, 89, 94, 3800, 05, 11, 16, 22, 27, 33, 38, 44 (1JHPF). Acdz OHZ 3727-3852' w/ 1500 gals HCl w/ RS + Benzoic flakes to divert.
9/87 XOWH. C/O + Deepen w/ air form to 3891'. Ran logs. Acdz OH w/ 6000 gal 15% NEFEA in 4 stages w/ GRS as diverter. Final swb 18 BAW w/ 102 oil. SFL - 2850, EFL - 3552' w/ FeR 7-1/2 BPH. Perf 3634-44', 3676-84 (1JHPF). Acdz perms w/ 1500 gal 15% NeFeA & 35 RCNBs. Final Swb - 2BW w/ 1% oil FeR - 2 BPH. SFL 3300' EFL 3300'. POP test: 10 BO + 25 BW + 14 mcfg = 184' ASN. B/4: No test.
10/5/01 RIH w/6-5/8" bit & scraper to 3700'. Set 6-5/8" CIBP @ 3598'. Tstd to 520#. Held OK. Well TA'd.

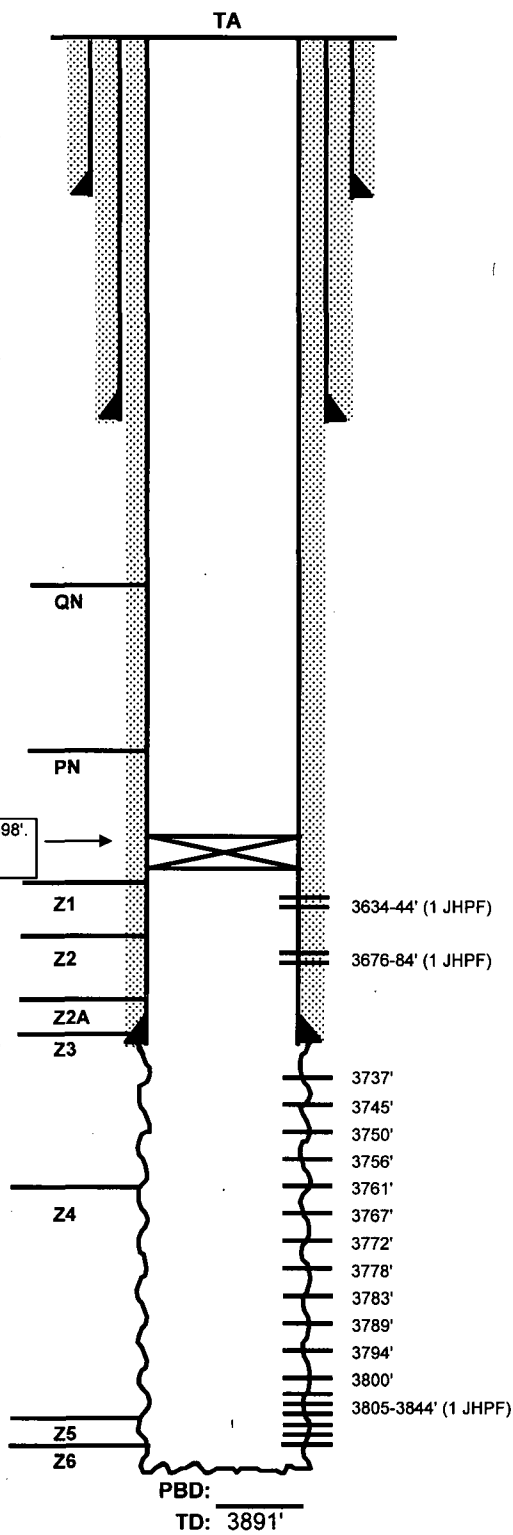
Additional Data:

T/Queen Formation @ 3315'
T/Penrose Formation @ 3438'
T/Grayburg Zone 1 @ 3622'
T/Grayburg Zone 2 @ 3661'
T/Grayburg Zone 2A @ 3693'
T/Grayburg Zone 3 @ 3726'
T/Grayburg Zone 4 @ 3761'
T/Grayburg Zone 5 @ 3817'
T/Grayburg Zone 6 @ 3872'
T/San Andres @ 3911'
KB @ 3541'

12-1/2" OD
40# CSG
Set @ 196' w/ 200 SX
Cmt circ.? Yes
TOC @ surf. by calc.
(17-1/2" hole)

8-5/8" OD 8rd
32# CSG
Set @ 2535' w/ 600 SX
Cmt circ.? No
TOC @ 300' by TS
(11" hole)

6-5/8" OD 10rd
20# CSG
Set @ 3727' w/ 100 SX
Cmt circ.? No
TOC @ 2679' by calc.
(7-3/4" hole)



FILE: EMSU111WB.XLS



WELL DATA SHEET

LEASE: EMSU WELL: 111
LOC: 1980' F N L & 1980' F WL SEC: 30
TOWNSHIP: 20S CNTY: Lea
RANGE: 37E UNIT: F ST: N.M.
(formerly: State "W" #3)

FORM: Grayburg / San Andres DATE: 3/30/2007
GL: 3541' STATUS: TA'd Producer
KB: 3541' API NO: 30-025-06283
DF: CHEVNO: FA7401

Date Completed: 1/9/37
Initial Production: 142 BOPD
Initial Formation: Grayburg
FROM: 3700' to 3850' / GOR 9155

Completion Data

3/37 ACDZ OH 3727-3852' w/ 2000 gals 15% Dowell IX.
Swb & flwd to TT 3 hrs. 145 Bbls oil.

Subsequent Workover or Reconditioning:

4/39 High GOR. Set pkr @ 3740'. Flwg thru 20/64" choke, before work - 30 BOPD + GOR 113000. after work - 47 BOPD + GOR 4000.

5/68 Convert to pump, PMPD 15 BO+5 BW. 11-24' SPM. **3/74** Acdz OHZ 3727-3852' w/ 1500 gals 15% acid. Perf'd OHZ @ 3737, 45, 50, 56, 61, 67, 72, 78, 83, 89, 94, 3800, 05, 11, 16, 22, 27, 33, 38, 44 (1JHPF). Acdz OHZ 3727-3852' w/ 1500 gals HCl w/ RS + Benzoic flakes to divert.

9/87 XOWH. C/O + Deepen w/ air form to 3891'. Ran logs. Acdz OH w/ 6000 gal 15% NEFEA in 4 stages w/ GRS as diverter. Final swb 18 BAW w/ 102 oil. SFL - 2850, EFL -3552' w/ FeR 7-1/2 BPH. Perf 3634-44', 3676-84 (1JHPF). Acdz perms w/ 1500 gal 15% NeFeA & 35 RCNBs. Final Swb - 2BW w/ 1% oil FeR - 2 BPH. SFL 3300' EFL 3300'. POP test: 10 BO + 25 BW + 14 mcfg = 184' ASN. B/4: No test.

10/5/01 RIH w/6-5/8" bit & scraper to 3700'. Set 6-5/8" CIBP @ 3598'. Tstd to 520#. Held OK. Well TA'd.

Additional Data:

T/Queen Formation @ 3315'
T/Penrose Formation @ 3438'
T/Grayburg Zone 1 @ 3622'
T/Grayburg Zone 2 @ 3661'
T/Grayburg Zone 2A @ 3693'
T/Grayburg Zone 3 @ 3726'
T/Grayburg Zone 4 @ 3761'
T/Grayburg Zone 5 @ 3817'
T/Grayburg Zone 6 @ 3872'
T/San Andres @ 3911'
KB @ 3541'

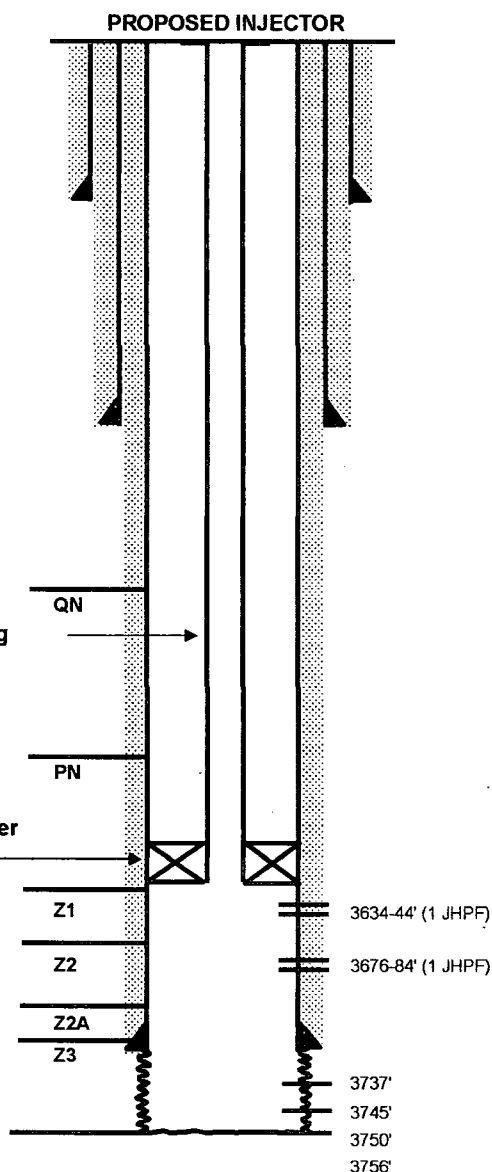
12-1/2" OD
40# CSG
Set @ 196' WI 200 SX
Cmt circ.? Yes
TOC @ surf. by calc.
(17-1/2" hole)

8-5/8" OD 8rd
32# CSG
Set @ 2535' WI 600 SX
Cmt circ.? No
TOC @ 300' by TS
(11" hole)

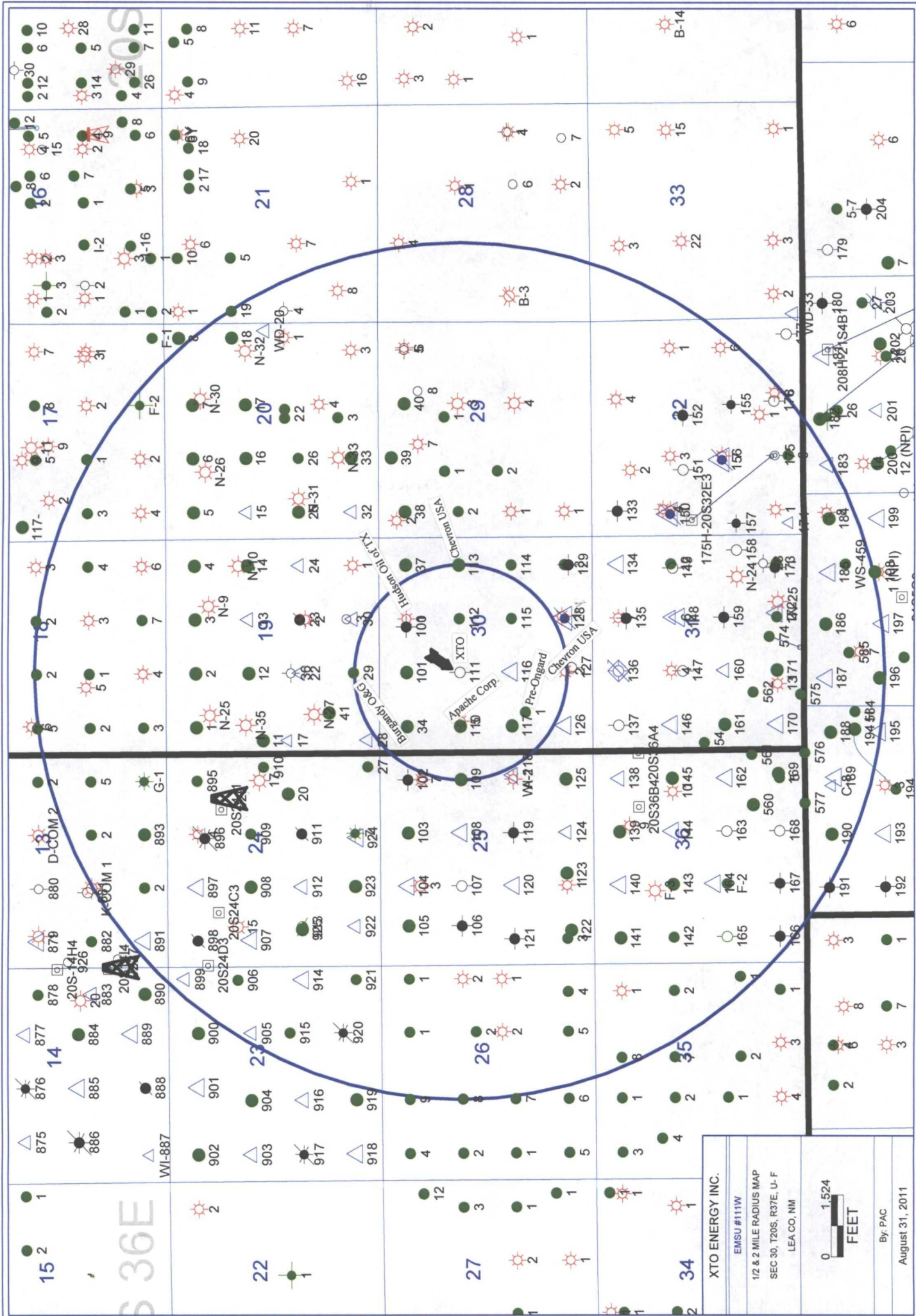
2-7/8" J-55 IPC tubing

6-5/8" Injection Packer
set at +/- 3550'

6-5/8" OD 10rd
20# CSG
Set @ 3727' WI 100 SX
Cmt circ.? No
TOC @ 2679' by calc.
(7-3/4" hole)



TD - 3891'



XTO ENERGY INC.	
EMSU #111W	
1/2 & 2 MILE RADIUS MAP	
SEC 30, T20S, R37E, U- F	
LEA CO, NM	
<div> <div>0</div> <div>1,524</div> <div>FEET</div> </div>	
By: PAC	
August 31, 2011	

[illegible]

FIELD EUNICE-MONUMENT GR-SA	OPERATOR TEXACO INC.	DATE APRIL 26, 1976
LEASE EUNICE-MONUMENT UNIT	WELL NO. 29	LOCATION N-19-20S-37E

Burgandy O&G of New Mexico Operator

13 " casing set at 135 ' with 125 sx of Trinity cement
Hole size 16 "

9 5/8 " casing set at 1112 ' with 600 sx of ELTORO cement
Hole size 12 1/4 "

7 " casing set at 3690 ' with 250 sx of ELTORO cement
Hole size 8 5/8 "

4 1/2 " Liner set at 3731 ' with 525 sx. ✓
CEMENT CIRCULATED

2 3/8 " Tbg.

Total Depth 3870 '

API No. 30-025-06293

FIELD EUNICE-MONUMENT GR-SA	OPERATOR TEXACO INC.	DATE APRIL 26, 1976
LEASE EUNICE-MONUMENT UNIT	WELL NO. 34	LOCATION D-50-205-37E

Burgandy O&G of New Mexico Operator

13 " casing set at 164 ' with 160 sx of Fibro cement
Hole size 17 1/2 "

9 5/8 " casing set at 1051 ' with 400 sx of Fibro cement
Hole size 12 1/2 "

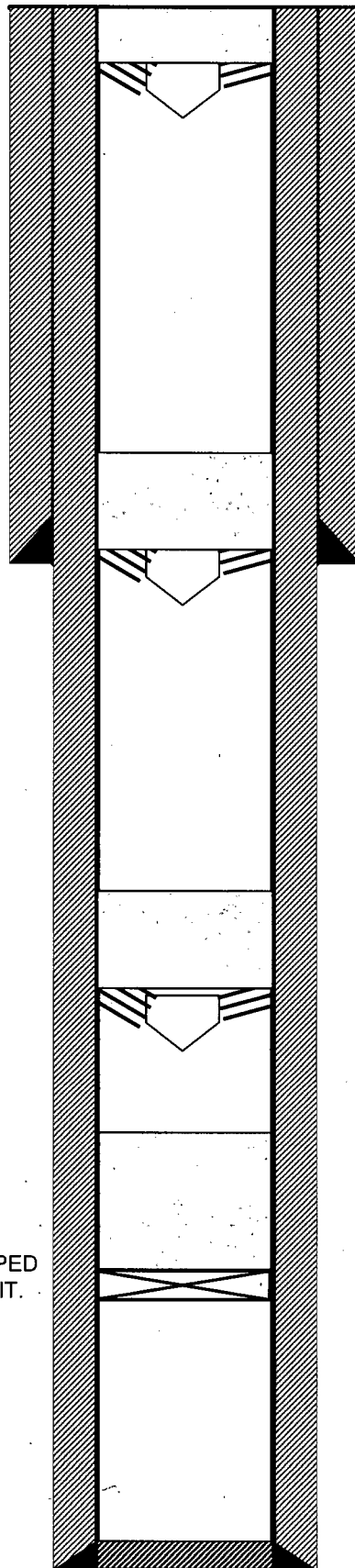
7 " casing set at 3725 ' with 300 sx of Fibro cement
Hole size 5 3/4 "

2 7/8 " lbs.

Total Depth 3850 '

ELEV: GL: 3525'

EMSU #100
XTO ENERGY INC.
660' FNL & 2170' FEL, SEC 30, T20S-R373
LEA COUNTY, NM
API# 30-025-29943



SURFACE PLUG 3'-33' (5 CU FT ZONITE).
WIPER PLUG @ 33'

8-5/8", 24# CSG SET @ 1081'.
CMT'D W/700SX. CIRC.

T/SALT-RUSTLER-SHOE PLUG @
968'-1130' (22 CU FT ZONITE).
WIPER PLUG @ 1130'

ZONITE PLUGS

SURFACE PLUG	3' - 33'
T/SALT-RUSTLER-SHOE	968'-1130'
B/SALT PLUG	2380'-2505'
BOTTOM PLUG	3514'-3618'

B/SALT PLUG @ 2380'-2505'
(17 CU FT ZONITE). WIPER
PLUG @ 2505'

BOTTOM PLUG @ 3514'-3618'
(14 CU FT ZONITE)

CIBP @ 3620', NOT CAPPED
W/CMT. WELL FAILED MIT.

5-1/2", 25.5# CSG SET @ 4000'.
CMT'D W/750SX. CIRC.

PBTD: 3938'
TD: 4000'

EUNICE MONUMENT SO. UNIT #101

WELLBORE DIAGRAM

LUFKIN AMERICAN 45-305-144 PMPG UNIT
50 HP TOSHIBA

DATA
LOCATION: 660' FNL & 1980 FWL, UNIT C, SEC 30 T20S & R37E
COUNTY/STATE: LEA, NM
FIELD: EUNICE MONUMENT
FORMATION: GRAYBURG/ SAN ANDRES
SPUD DATE: 04-22-88 COMPLETION DATE: 07-29-88
API #: 30-025-30220
STATUS: PRODUCER BEAM
IP: 18 BOPD/ 63 BWPD (08-31-88)

ELEV. GL: 3536'
KB: 3551'

8-5/8" OD, 24# K-55 STC CSG SET @ 1069'
CMTD W/650SX, CIRC 50 SX.

12-1/4" HOLE

08/30/11: 115 JTS 2-7/8", 6.5#, J-55, TBG, 5-1/2" X
2-7/8" TAC CATCHER, 9 JTS 2-7/8", 6.5#, J-55
TBG, 1 JT 2-7/8", J-55 TBG - IPC, SN, 1 JT 2-7/8"
SLOTTED MUO JT, TAC @ 3571'. SN @ 3863'.
EOT @ 3899'.

08/30/11: 1-1/2" X 22 SMPR, 1 - 2', 6' PONY RODS,
65 - 7/8" N-97 RODS, 88 - 1/2" N-97 RODS, STBLZ
ROD, RHBO TOOL
25-150-RX8C-24-3 (EU-803).

7-7/8" HOLE

3616'-22', 3633'-38', 1 JSPF (1/20/89)

3685'-92', 3700'-04', 1 JSPF (1/20/89)

3730'-34', 1 JSPF (1/20/89)

3768'-72', 3812'-16', 1 JSPF (1/20/89)

3820'-24', 1 JSPF (11/20/07)

3836'-38', 46', 50', 54', 58', 1 JSPF (7/29/88)

3870'-74', 3878'-82', 1 JSPF (1/20/89)

3899', 3903', 07', 1 JSPF (7/29/88)

5-1/2" OD, 15.5#, K-55, LTC CSG @
4000'. CMTD W/750SX, CIRC.

PBTD: 3910'
TD: 4000'

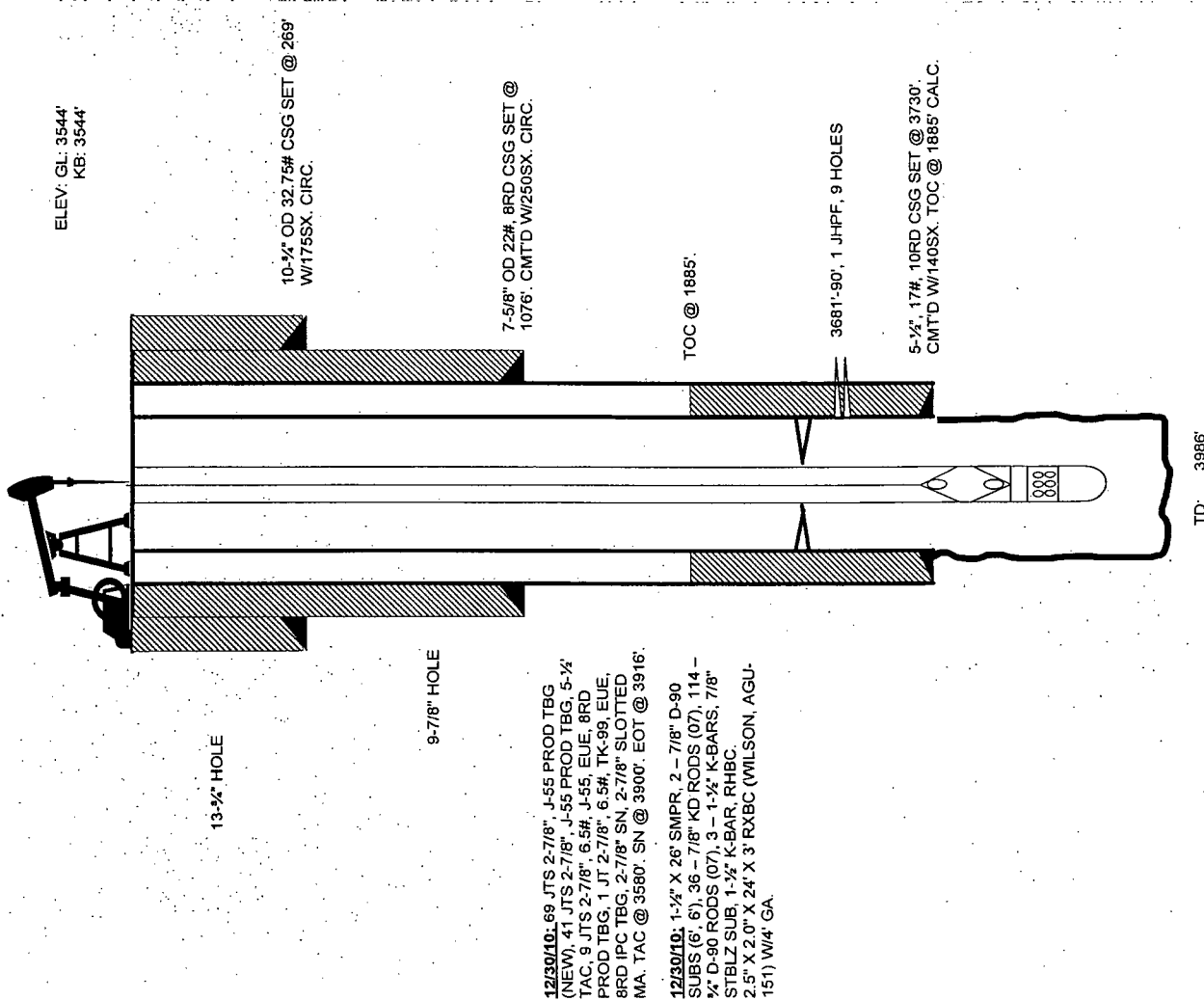
EUNICE MONUMENT SO. UNIT #109

FKA L. W. WHITE A #3

WELLBORE DIAGRAM

DATA
 LOCATION: 1980' FNL & 660' FEL, SEC 25, T20S & R36E
 COUNTY/STATE: LEA, NM
 FIELD: EUNICE MONUMENT
 FORMATION: GRAYBURG
 SPUD DATE: 5/8/37 COMPLETION DATE: 6/9/37
 API #: 30-025-04324
 STATUS: BEAM
 IP: 360 BOPD, 450 MCFPD

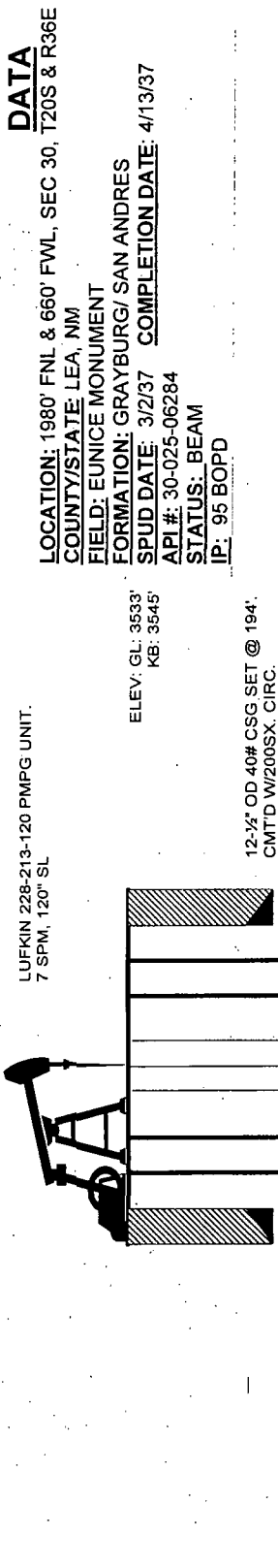
ELEV: GL: 3544'
 KB: 3544'



EUNICE MONUMENT SO. UNIT #110

FKA AMERADA STATE "W" #4

WELLBORE DIAGRAM



02/18/11: 110 JTS 2-7/8", J-55, EUE, 8RD PROD TBG, 6-5/8" X 2-7/8" TAC, 4 JTS 2-7/8", J-55, EUE, 8RD PROD TBG, 1 JT 2-7/8" IPC, EUE, 8RD TBG, 2-7/8" SN, 2-7/8" MA, TAC @ 3557', SN @ 3722', EOT @ 3738'.

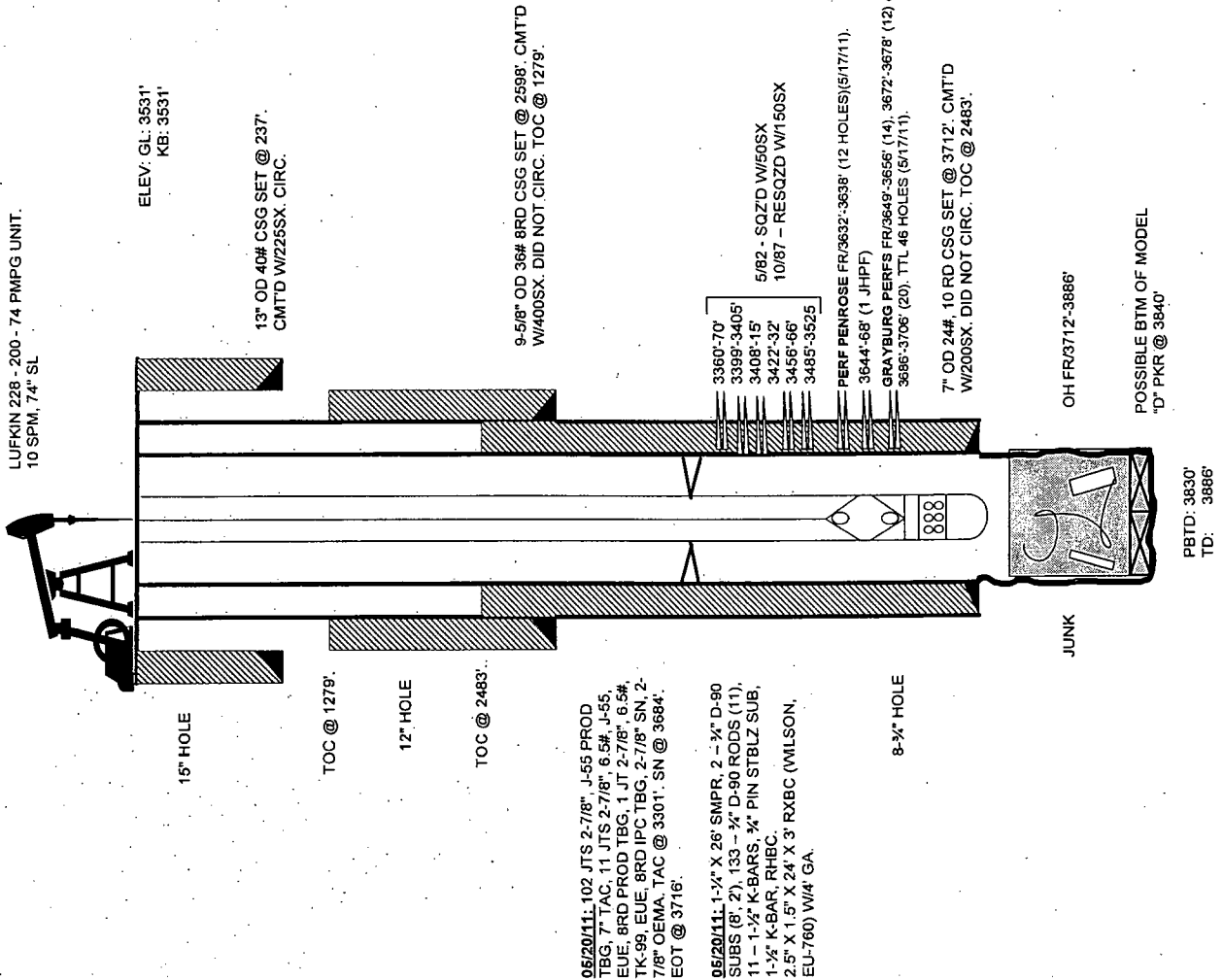
02/16/11: 1-1/2" X 26' SMPR, 5 - 3/4" D-90 PONY RODS (2', 2', 4', 6', 8', 138 - 3/4" D-90 RODS (11), 8 - 1-1/4" K-BARS, 4" STBLZ SUB. 2.5" X 1.5" X 3' RHBC PMP (WILSON, EU-634) W/4' GA.

EUNICE MONUMENT SO. UNIT #115

FKA SKELLY "G" STATE #1

WELLBORE DIAGRAM

DATA
 LOCATION: 1980' FSL & 1980' FEL, SEC 30, T20S & R37E
 COUNTY/STATE: LEA, NM
 FIELD: EUNICE MONUMENT
 FORMATION: GRAYBURG/ SAN ANDRES
 SPUD DATE: 11/30/36 COMPLETION DATE: 1/4/37
 API #: 30-025-06295
 STATUS: BEAM
 IP: 384 BPD





WELL DATA SHEET

LEASE: EMSU WELL: 112

FORM: Grayburg / San Andres DATE: 3/30/2007

LOC: 1980' F N L & 1980' F E L SEC: 30

GL: 3526' STATUS: TA'd Producer

TOWNSHIP: 20S CNTY: Lea

KB: 3538' API NO: 30-025-06282

RANGE: 37E UNIT: G ST: N.M.

DF: CHEVNO: FA7400

(formerly: State "W" #2)

Date Completed: 3/10/37

Initial Production: F7 110 BOPD

Initial Formation: Grayburg

FROM: 3710' to 3888' / GOR 17,000

Completion Data

2/37 ACDZ OH 3710-3888' w/ 17,000 gals 15% Dowell XI in five treatments.

Subsequent Workover or Reconditioning:

2/54 Set CIBP @ 3685'. Perf 3650-69'. Set CIBP @ 3642'. Perf 3550-3600'. Set CIBP @ 3545'. Perf 3504-30, 3460-3504'.

1/82 TA drill CIBP @ 3545'. Acdz perms fr 3550-3600' w/ 500 gal 15% NEA. Sqzd perms f/ 3460-3600' w/ 360 SX. DOC. Push plug to 3886'.

7/82 TA'd.

7/82 Return to Prod.

9/87 XOWH. Drill CIBP @ 3886'. Deepen w/ air foam to 3913'. Log, acdz w/ 4000 gals 15% NeFeA + in 4 stages using 1100# GRS to divert. SFL-1900'. EFL-2500'. POP. Test: 14 BO+40 BW+35 mcf, FL @ SN. B/4 = no test.

10/9/01 RIH w/ bit&scraper to 3620'. Set 6-5/8" CIBP @ 3608'. Tstd to 520#. Bled off 15# in 36 min. OK. Well TA'd.

Additional Data:

T/Queen Formation @ 3318'

T/Penrose Formation @ 3460'

T/Grayburg Zone 1 @ 3638'

T/Grayburg Zone 2 @ 3674'

T/Grayburg Zone 2A @ 3705'

T/Grayburg Zone 3 @ 3736'

T/Grayburg Zone 4 @ 3775'

T/Grayburg Zone 5 @ 3857'

T/Grayburg Zone 6 @ 3895'

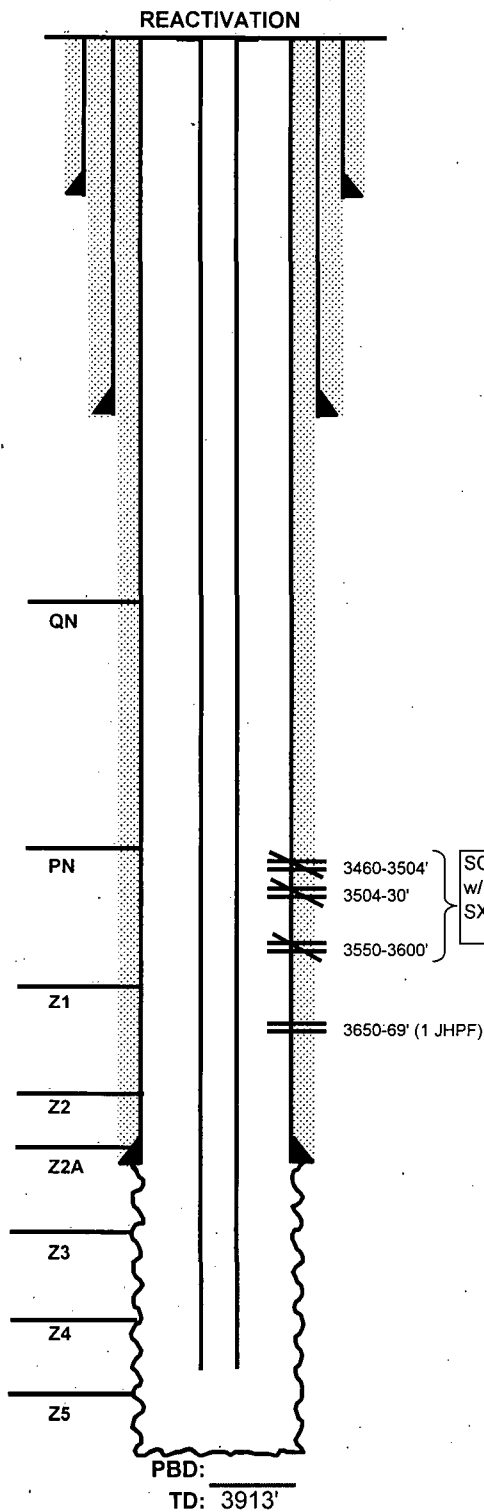
T/San Andres @ 3932'

KB @ 3538'

12" OD
40# CSG
Set @ 210' w/ 200 SX
Cmt circ.? Yes
TOC @ surf. by calc.
(17-1/2" hole)

8-5/8" OD 8rd
32# CSG
Set @ 2555' w/ 600 SX
Cmt circ.? No
TOC @ 374' by calc.
(11" hole)

6-5/8" OD 10rd
20# CSG
Set @ 3710' w/ 100 SX
Cmt circ.? No
TOC @ 2662' by calc.
(7-3/4" hole)



FILE: EMSU112WB.XLS



WELL DATA SHEET

LEASE: EMSU WELL: 116 WIC
LOC: 1980' F S L & 1980' F W L SEC: 30
TOWNSHIP: 21S CNTY: Lea
RANGE: 36E UNIT: K ST: N.M.
(formerly: Sunshine #3)

FORM: Grayburg / San Andres DATE: 3/30/2007
GL: 3537' STATUS: Injector
KB: 3537' API NO: 30-025-06290
DF: CHEVNO: FA 7408:01

Date Completed: 3/6/1937
Initial Production: F 80 BOPD / 0 BWPD
Initial Formation: Grayburg
FROM: 3721' to 3837' / GOR 3420

Completion Data

2/24/37 ACDZ w/ 2000 gals 14%
2/27/37 ACDZ w/ 5000 gals 14%
3/4/37 ACDZ w/ 3000 gals 14%

Subsequent Workover or Reconditioning:

3-42 Acdz w/ 2000 gals/ No change in production.
7-69 Scale treat; 500 gals 20% NEA.
8-70 Acdz w/750 gals 15% NEA.
10-79 Dump Acid Job; 1000 gals 15% NEA.
2-86 Dump Acid Job; 750 gals 15% NEA.
4-87 Deepen to 3937'. Run logs; put on injection. 707 BWIPD @ 0 psig.
1-88 Perf OH 3786-3816; C/O fill; Acdz w/ 5000 gals 15% NeFeA; run tbg w/ pkr @ 3667'.
2-94 Acdz w/ 1500 gals 15% HCl/Unisol mix.
A - 166 BWIPD @ 634 psi. B - 104 BWIPD @ 542 psi.
1-98 C/O and ACDZ 3730-3860' w/ CTU: 2000 gal 15% 90/10 Resisol II w/ 70Q foam pumped down annulus.

Additional Data:

T/Queen Formation @ 3301'
T/Penrose Formation @ 3442'
T/Grayburg Zone 1 @ 3617'
T/Grayburg Zone 2 @ 3648'
T/Grayburg Zone 2A @ 3690'
T/Grayburg Zone 3 @ 3721'
T/Grayburg Zone 4 @ 3759'
T/Grayburg Zone 5 @ 3814'
T/Grayburg Zone 6 @ 3857'
T/San Andres Formation @ 3898'
KB @ 3537'

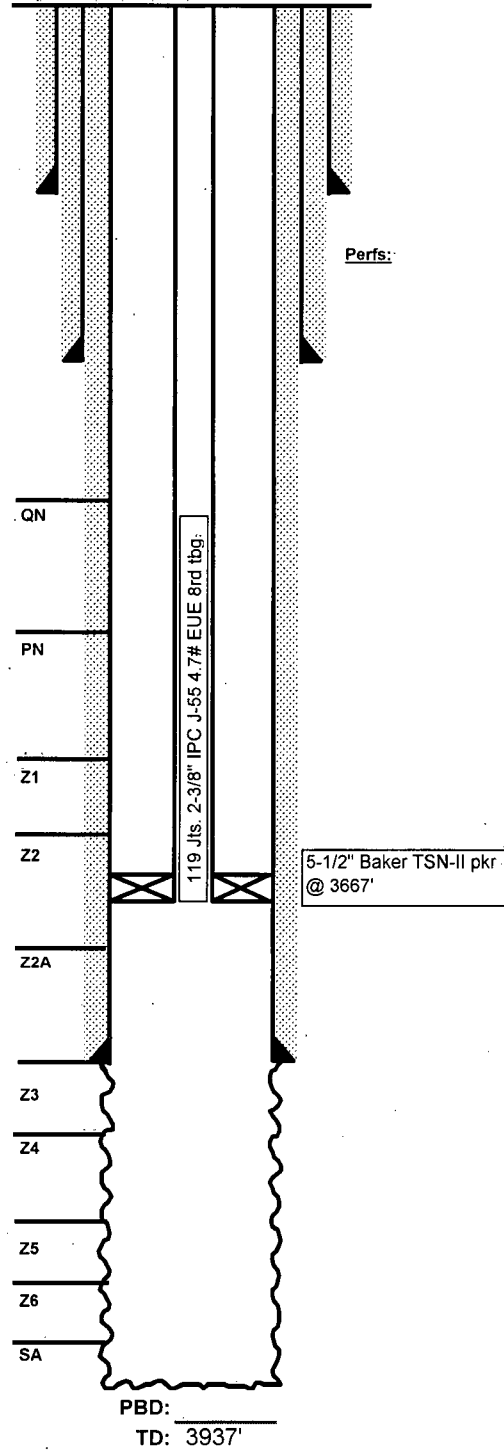
10-3/4" OD
32.75# CSG
Set @ 208' w/ 200 SX
Cmt circ.? Yes
TOC @ surf. by calc.

7-5/8" OD
22# CSG 8rd
Set @ 1065' w/ 175 SX
Cmt circ.? No
TOC @ 312' by calc.

Tubing Detail: 4/4/87

Original KB to THF: 0.00'
1 Jt. 2-3/8" J-55 4.7# EUE 8rd IPC
tbg (short upset): 31.52'
118 Jts. 2-3/8" J-55 4.7# EUE 8rd
IPC tbg (external upset): 3629.93'
5-1/2" 45B Baker TSN inj pkr set w/
7K compression: 5.57'
Landed @ 3667.02'

5-1/2" OD
17# CSG 10rd
Set @ 3721' w/ 300 SX
Cmt circ.? No
TOC @ 2360' by calc.



FILE: EMSU116WB.XLS



WELL DATA SHEET

LEASE: EMSU WELL: 117
LOC: 1980' F S L & 660' F W L SEC: 30
TOWNSHIP: 21S CNTY: Lea
RANGE: 36E UNIT: L ST: N.M.

FORM: Grayburg / San Andres DATE: 3/30/2007
GL: 3534' STATUS: Producer
KB: 3547' API NO: 30-025-29396
DF: CHEVNO: FR 6349:01

Date Completed: 12/11/1985
Initial Production: 9 BOPD / 49 BWPD
Initial Formation: Grayburg
FROM: 3892' to 3929' / GOR 6444

11-3/4" OD
CSG
Set @ 360' W/ 300 SX
Cmt circ.? Yes
TOC @ surf. by calc.

8-5/8" OD
24&32# CSG
Set @ 2809' W/ 750 SX
Cmt circ.? Yes
TOC @ surf. by calc.

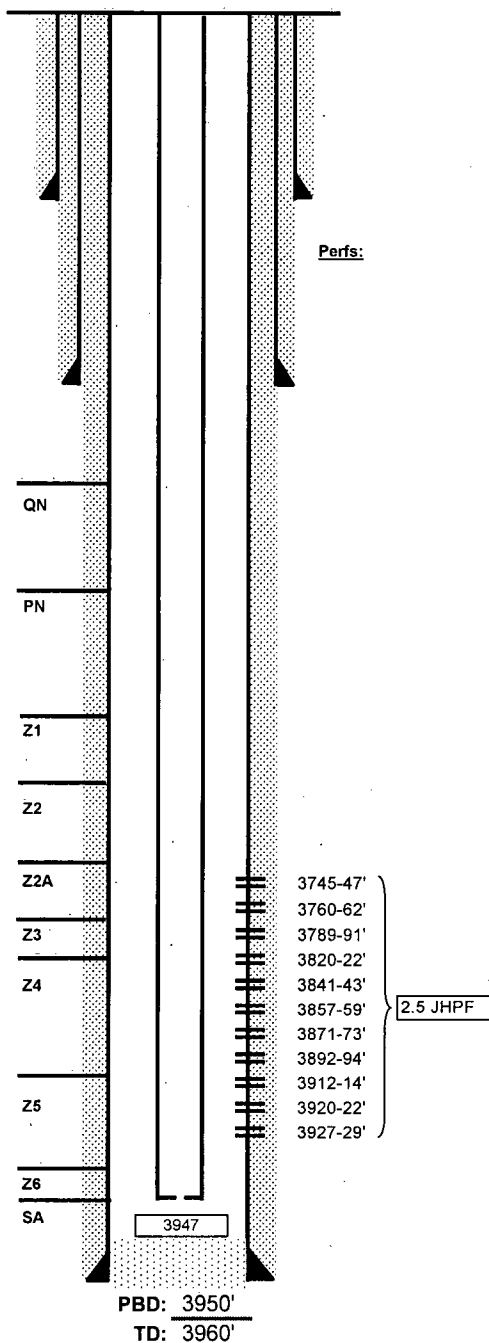
Tubing Detail: 6/26/1992

Original KBTH: 13.00'
126 Jts. 2-3/8" J-55 4.7# EUE 8rd
tbg:
3896.13'
Standard Seating Nipple: 1.10'
1 - 2-3/8" Perf Nipple: 4.08'
1 Jt. 2-3/8" J-55 4.7# EUE Mud
Anchor w/ BPOB: 31.65'
Landed @: 3945.96'

Rod Detail: 6/26/1992

1 - 1-1/4" X 22' Polished Rod
3 - 3/4" X (4', 6', 8') Pony Rod
154 - 3/4" x 25' Rods
1 - 3/4" X 2' Pony Rod
1 - 2" x 1-1/2 x 16' RWB-C pump

5-1/2" OD
15.5# CSG
Set @ 3960' W/ 375 SX
Cmt circ.? No
TOC @ 1850' by TS



Completion Data

Perf 3892-94, 3912-14, 3920-22, 3927-29 w/ 2-1/2 JHPF. ACDZ all perfs w/ 2000 gal 15% NeFeA & 16 RCNBs. (Note: Had comm. when tried to acidize undivided intervals). During swabbing, well began to flow. Put on prod. Test: 9 BO/49 BW/58 MCFPD. FL@SN.

Subsequent Workover or Reconditioning:

3/86 Chem sqzd.
4/86 Tag btm @ 3947' (+/- 3' fill). Perf 3871-73, 3857-59, 3841-43, 3820-22, 3789-91, 3760-62, 3745-47 w/ 2-1/2" JHPF. Acidz new perfs w/ 4000gal 15% NEFEA & 40 RCNBs. Swb 44 BW tr oil in 11hrs. Pumped chem. squeeze. POH w/ RBP & pkr. Put on prod. Test: 67 BO/ 80 BW/ 161 MCFPD.
6/89 Chem sqzd.
6/92 Acidz perfs w/ 4000 gal LCA (15% NeFeA w/ additives) & 60 RCNBs Test: 25 BO/24 BW/22 MCFPD. B/4 tst: 27 BO/198 BW/23 MCFG. FL = 93' ASN.

Additional Data:

T/Queen Formation @ 3312'
T/Penrose Formation @ 3467'
T/Grayburg Zone 1 @ 3653'
T/Grayburg Zone 2 @ 3691'
T/Grayburg Zone 2A @ 3736'
T/Grayburg Zone 3 @ 3774'
T/Grayburg Zone 4 @ 3814'
T/Grayburg Zone 5 @ 3897'
T/Grayburg Zone 6 @ 3937'
T/San Andres Formation @ 3941'
KB @ 3547'

FILE: EMSU117WB.XLS

FIELD <u>Eumont</u>	OPERATOR <u>W.A. & F.R. Hudson</u>	DATE <u>May 3, 1976</u>
LEASE <u>Hudson Phillips</u>	WELL NO. <u>1</u>	LOCATION <u>Unit B, Sec. 30-20S-37E</u>

Hudson Oil of Texas Operator

2 3/8" Tubing

17 1/2" HOLE SIZE

13 3/8" casing set at 137' with 165 sx of regular cement
Hole size 17 (est)

12 1/4" HOLE SIZE

9 5/8" casing set at 1093' with 400 sx of ? cement
Hole size 12 1/2 (est)

PERFORATIONS 3334, 3340, 3345, 3388, 3396, & 3401

Perforations 3430-60, 3470-90 & 3500-34

3508'-depth of tubing

8 3/4" HOLE SIZE

7" casing set at 3718' with 300 sx of ? cement

Total Depth 3817' Hole size 8 3/4 (est)

6 1/4" hole.

TD 3850 3817

LOCATION: 1980' FNL & 660' FEL, SEC 30, T20S & R37E
COUNTY/STATE: LEA, NM
FIELD: EUNICE MONUMENT
FORMATION: GRAYBURG/ SAN ANDRES
SPUD DATE: 1/7/37 **COMPLETION DATE:** 2/13/37
API #: 30-025-06281
STATUS: P&A'D 6/13/01

EMSU #113

PLUG: 0'-29' CMT'D. 10SX.

ELEV: GL: 3532'

17-1/2" HOLE

PLUG: 150'-251' CMT. SQZD W/ 100SX
PERF 4 HOLES @ 251'

12-1/2" OD 40#, 8THD CSG SET @
201'. CMT'D W/200SX. CIRC.

TOC @ 995'

PLUG: 1000'-1100'. CMT SQZD W/50'SX
PERF 4 HOLES @ 1100'

11" HOLE

8-5/8" OD 32#, 8THD CSG SET @
2530'. CMT'D W/600SX. TOC @ 995'.

PLUG: 2450'-2600'. CMT SQZD W/ 75SX
PERF 4 HOLES @ 2600"

7-7/8" HOLE

CIBP @ 3640'. PLUG FROM 3200'-
3640' CMT'D W/80SX.

PERF FR/3344'-3695'. CMT'D SQZD
GRAYBURG/SAN ANDRES ZONE FR/
3344'-3590' & FR/3665'-3695' W/267SX.

PERF FR/3474'-3590' W/696 BULLET SHOTS.

6-5/8" OD 20#, 10THD CSG SET @ 3710'.
CMT'D W/100SX. TOC @ 3117'.

OH FR/3710'-3835'. SQZ'D W/100SX. RE-SQZD
W/100SX. PUT 75SX INTO OH. (2/5/57). DO
CMT TO 3835'. HOLE CLEAN. (5/3/85).

TD: 3835'

PRE-ONGARD #1 – FKA STATE 193
PRE-ONGARD
1650' FSL & 990' FWL, SEC 30, T20S, R37E
LEA COUNTY, NM
API# 30-025-06294

ELEV: GL: 3550'

PLUG: 0'-20'. 10SX CMT

PLUG: 791'-1307'. 100SX CMT.

12-1/2" CSG SET @ 255'.
CMT'D W/300SX

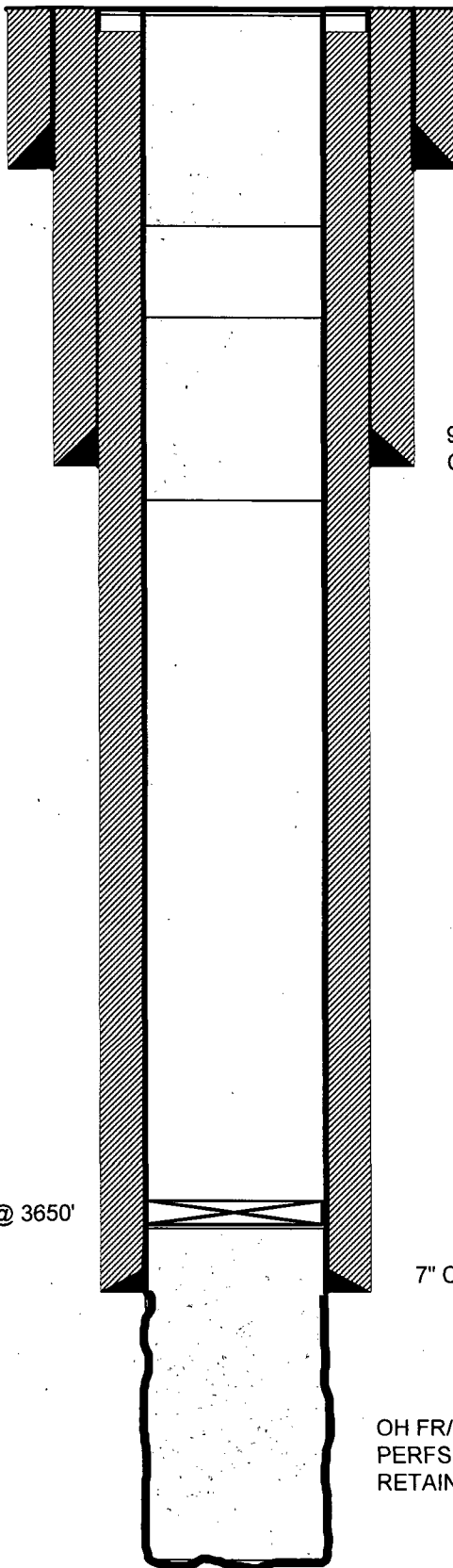
9-5/8" CSG SET @ 1278'.
CMT'D W/500SX.

CR @ 3650'

7" CSG SET @ 3751'. CMT'D W/300SX.

OH FR/3731-3837'. SQZ'D CMT'D
PERFS FR/3751'-3837' BELOW
RETAINER W/40SX CL C.

TD @ 3837'





WELL BORE INFO.

LEASE NAME

State "W"

WELL #

5

API #

30-025-26614

COUNTY

Lea

PROPOSED PROCEDURE

8-5/8" 24# @ 330'

W/300 sx to surf

12 1/4" hole

Cal TOC to surf

7 7/8" hole

(12/81) Frac OH 3330-3520'-clean
out to 3520'

CIBP @ 3247' w/ no cmt

5 1/2" 14# & 17# @ 3330'
w/ 850 sx cmt.

4-3/4" OH

PBTD @ 3247'

3. PUH & perf @ 380' & attempt to sqz 110 sx Class "C"
cmt from 380' to surf. Attempt to sqz & circ both strings
of csg to surf. (Shoe & Water Board)

2. PUH to 1130' & spot 25 sx Class "C" cmt from 1130'-
880' WOC/TAG (Top of Salt)

1. MIRU, RIH w/ tbg & circ w/ MLF & spot 70 sx Class
"C" cmt from 3247'-2800 WOC/TAG (CIBP, 7 Rvrs,
Yates, & Base of Salt))

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

HOBBS OCD
AUG 02 2011

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-26614	
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No. B-3423	
7. Lease Name or Unit Agreement Name State "W" /	
8. Well Number 5 /	
9. OGRID Number 873 /	
10. Pool name or Wildcat Eumont; Yates -7 RVRs-Qn (Gas) /	

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3538' GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____ N/A _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well Gas Well ☒ Other ☐

2. Name of Operator

Apache Corporation

3. Address of Operator

303 Veterans Airpark Lane, Ste. 3000, Midland, TX 79705

4. Well Location

Unit Letter E : 1980 feet from the N line and 780 feet from the W line

Section 30 Township 20S Range 37E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

3538' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☒
CASING/CEMENT JOB ☐
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

7/18/11-----MIRU Plugging Equipment. Tag existing CIBP @ 3251'. Circ mlf, spot 70 sxs cmt woc.

7/19/11-----Tag cmt plug @ 2572'. Spot 40 sxs from 1130' woc tag plug @ 812'. Perf @ 380'. Sqz 50 sxs cmt would
Not circulate. Woc. *W/2% CACL contacted OCD on this plug.*

7/20/11-----Tag cmt plug @ 161'. Fill 5 1/2" well bore w/15 sxs cmt. Cutoff well head & anchors, clean location,
& RDMO plugging equipment.

Approved for plugging of well bore only.
Liability under bond is retained pending receipt
of C-103 (Subsequent Report of Well Plugging)
which may be found at OCD Web Page under
Forms, www.cmnrd.state.nm.us/oed.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE *[Signature]* TITLE P & A Supervisor (Basic Energy Services) DATE 7-26-2011

Type or print name:

E-mail address:

Telephone No. 432-563-3355

For State Use Only

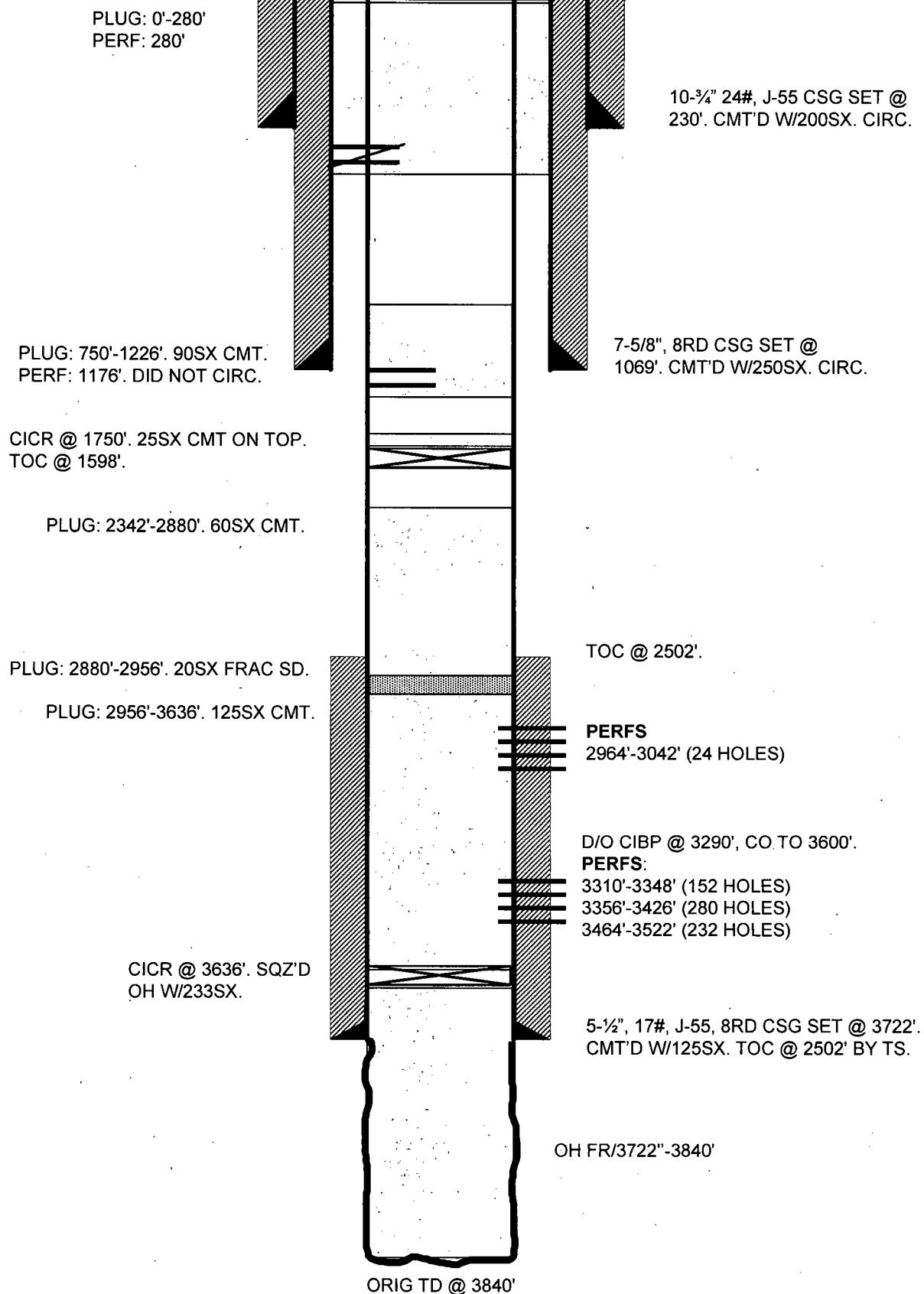
APPROVED BY: *[Signature]* TITLE Compliance Officer DATE 08-02-2011

Conditions of Approval (if any):

AUG 02 2011

SUNSHINE STATE COM #2
CHEVRON USA
660' FSL & 1980' FWL, SEC 30, T20S, R37E - N
LEA COUNTY, NM
API# 30-025-06289

ELEV: GL: 3539'
KB: 3546'



Affidavit of Publication

State of New Mexico,
County of Lea.

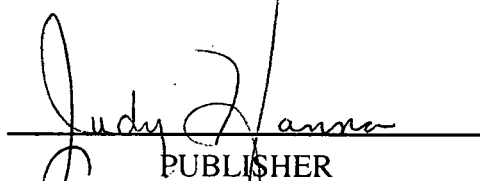
I, JUDY HANNA
PUBLISHER

of the Hobbs News-Sun, a
newspaper published at Hobbs, New
Mexico, do solemnly swear that the
clipping attached hereto was
published in the regular and entire
issue of said newspaper, and not a
supplement thereof for a period

of 1 issue(s).

Beginning with the issue dated
September 23, 2011

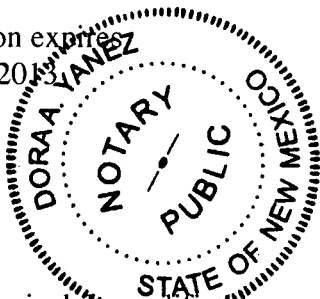
and ending with the issue dated
September 23, 2011


PUBLISHER

Sworn and subscribed to before me
this 30th day of
September, 2011


Notary Public

My commission expires
February 09, 2013
(Seal)



This newspaper is duly qualified to
publish legal notices or
advertisements within the meaning of
Section 3, Chapter 167, Laws of
1937 and payment of fees for said
publication has been made.

LEGAL	LEGAL
LEGAL NOTICE SEPTEMBER 23, 2011	
Notice of Application for Fluid Injection Well Permit Eunice Monument South Unit #111	
XTO Energy, Inc., Opr. OGRID No. 005380, 200 N. Lorraine Street, Suite 800, Midland, Texas 79701, Attention - Sharon Hindman - 432-620-6741, has applied for a permit to inject fluid into a formation which is not productive of oil and gas.	
The applicant proposes to inject fluid at the location of Unit Ltr. F, Section 30, Township 20S, Range 37E, foot-age location of this well is 1980' FNL & 1980' FWL. The API No. is 30-025-02683. Fluid will be injected into the Grayburg formation at a depth interval from 3634' - 3891', with a maximum injection rate of 2000 BWPD and a maximum injection pressure of 710 psi.	
All interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, NM 87505, within 15 days. #26871	

06283

01102696

00080142

XTO ENERGY INC.
200 LORAIN, SUITE 800
MIDLAND, TX 79701

DATE IN <u>10.18.11</u>	SUSPENSE	ENGINEER <u>TW</u>	LOGGED IN <u>10.18.11</u>	TYPE <u>NFX</u>	APP NO. <u>PTG-A</u>
-------------------------	----------	--------------------	---------------------------	-----------------	----------------------

ABOVE THIS LINE FOR DIVISION USE ONLY

EMSU #111 API No. 30-025-0268

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



XTO

ADMINISTRATIVE APPLICATION CHECKLIST

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

Application Acronyms:

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

Lea

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]
- [A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD
- Check One Only for [B] or [C]
- [B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☒ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR
- [D] Other: Specify _____
- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or ☐ Does Not Apply
- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☒ Offset Operators, Leaseholders or Surface Owner
- [C] ☒ Application is One Which Requires Published Legal Notice
- [D] ☒ Notification and/or Concurrent Approval by BLM or SLO
 U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached
- [3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

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

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

Sharon Hindman
 Print or Type Name

Sharon Hindman
 Signature

Regulatory Analyst
 Title

10/14/2011
 Date

sharon.hindman@xtoenergy.com
 e-mail Address



RECEIVED OCD

2011 OCT 18 P 10: 59

October 14, 2011

Pre-Ongard Well Operator
1220 S St. Francis
Santa Fe, NM 87502

Re: Eunice Monument South Unit Waterflood Project
Eunice Monument South Unit #111 Well
Section 30: Unit F, 1980' FNL & 1900' FWL
Township 20 South, Range 37 East
Lea County, NM

To Whom It May Concern:

This letter is to notify you XTO Energy Inc. has submitted to the Oil Conservation Division an application to convert a well to injection. Our records indicate that you are an offset operator. Attached please find a copy of the application sent to the Oil Conservation Division for your review.

All interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, NM 87505, within 15 days.

If you have any questions, please call me at 432-620-6741.

Sincerely,

A handwritten signature in cursive script that reads 'Sharon Hindman'.

Sharon Hindman
Regulatory Analyst

sharon_hindman@xtoenergy.com

Attachment

per fs 3634'-3684'
OH 3726-3891'

APPLICATION FOR AUTHORIZATION TO INJECT

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

II. OPERATOR: XTO Energy, Inc.

ADDRESS: 200 N. Loraine, Ste. 800 Midland, TX 79705

CONTACT PARTY: Sharon Hindman PHONE: 432-620-6741

III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? X Yes No
If yes, give the Division order number authorizing the project: R-7766

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. SEE ATTACHED

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. SEE ATTACHED

VII. Attach data on the proposed operation, including: ATTACHED

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. ATTACHED

IX. Describe the proposed stimulation program, if any. ATTACHED

* X. Attach appropriate logging and text data on the well. (If well logs have been filed with the Division they need not be 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. ATTACHED

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. ATTACHED

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: Sharon Hindman TITLE: Regulatory Analyst

SIGNATURE: Marion Lindman DATE: 10/14/2011

EMAIL: sharon.hindman@xtoenergy.com

* If the information required under Section VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstance of the earlier submittal.

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office.

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include: ATTACHED

- (1) Lease name; Well No.: location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name. EUNICE MONUMENT; GRAYBURG-SAN ANDRES
- (2) The injection interval and whether it is perforated or open-hole. 3634' - 3684' Perforated
3726' - 3891' OH
- (3) State if the well was drilled for injection or, if not, the original purpose of the well. OIL WELL - PRODUCER
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations. SEE WELLBORE DIAGRAM
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.
Next Higher is Penrose - Top is @ 3438' & Next Lower is San Andres - Top of SA is @ 3911'.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location. ATTACHED

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include: ATTACHED

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

INJECTION WELL DATA SHEET

OPERATOR: XTO Energy, Inc.WELL NAME & NUMBER: Emice Monument South Unit #111WELL LOCATION: 1980' FNL & 1900' FWL
FOOTAGE LOCATION

UNIT LETTER

F

30

20-S

TOWNSHIP

37-E

RANGE

WELLBORE SCHEMATICWELL CONSTRUCTION DATA

Surface Casing

Hole size: 17 1/2 Casing size: 12 1/2Cemented with: 200 sx. or ft³Top of Cement: Surface Method Determined: Calculated

Intermediate Casing

Hole size: 11 Casing size: 8 5/8Cemented with: 600 sx. or ft³Top of Cement: 300 Method Determined: TS

Production Casing

Hole size: 7 3/4 Casing size: 6 5/8Cemented with: 100 sx. or ft³Top of Cement: 2679 Method Determined: CalculatedTotal depth: 3891

Injection Interval

3634 feet to 3891

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 7/8 Lining Material: IPC

Type of Packer: 6 5/8" Injection (Tension) Pkr.

Packer Setting Depth: 3500

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

i. Is this a new well drilled for injection? _____ Yes x No
If no, for what purpose was the well originally drilled? oil Producer

2. Name of the Injection Formation: Grayburg

3. Name of Field or Pool (if applicable): Emice Monument

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. See wellbore diagram

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

San Andres @ 3911' Below

Penrose @ 3438' Above

XTO Energy, Inc.
Eunice Monument South Unit #111W
API No. 30-025-06283
Section 30, T-20S, R-37E
Lea County, New Mexico
C-108 (Application for the Authorization to Inject)

VII. Data For Proposed Operation

1. Proposed Daily Rate & volume of fluids to be injected;

Maximum: 2000 BWPD

Average: 1000 BWPD

2. Open or Closed System: Closed

3. Proposed average and maximum injection pressure:

Maximum: 710 psig

Average: 710 psig

4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, Produced Water
5. If injection is for disposal purposes into a zone no productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water.

N/A

VIII. Geological Data

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 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.

The injection zone is the Grayburg dolomite. This formation is approximately 275' thick in this area and begins at a measured depth of 3,620'. There are no known sources of drinking water below the injection zone.

IX. Stimulation Program

Describe the proposed Stimulation program: Sonic Hammer acidize OH (3727'-3891') and Perfs (3634-3684') w/4000 gals 20% NEFE 90/10 acid.

X. Logging – Text Data on Well

Log attached. No well test information available due to well being TA'd for years.

XI. Chemical Analysis

Chemical Analysis of fresh water from two or more fresh water well within one Mile of any injection or disposal well showing location of wells and dates samples were taken. Water and Chemical Analysis are attached.

XII. Geological Statement

XTO has examined the available geologic and engineering data and we find there are no known faults or fractures in the well or area that would provide a connection between the injection zone and potential sources of water.

XIII. Proof of Notice

Proof of Notice on Attached Page.

XTO Energy, Inc. (Operator Ogrid No. 005380)
Eunice Monument South Unit #111W (API# 30-025-06283)
Application for New Injection Permit
Requested Permitted Interval: 3634' – 3891'
Eunice Monument-Grayburg San Andres Pool
1980' FNL & 1900' FWL, Unit Letter F, Section 30, T-20S, R-37E
Lea County, New Mexico

Application Notice Given to:

Mineral & Surface Owner:

New Mexico State Land Office
310 Old Santa Fe Trail
Santa Fe, NM 87501

Jimmie Cooper
7108 West County Road 43
Monument, NM 88266

Operators of wells within a ½-mile radius:

Apache Corp.
6120 S. Yale Suite 1500
Tulsa, OK 74136

Burgandy Oil & Gas of NM Inc.
401 W Texas Ste 1003
Midland, TX 79701

Chevron USA Inc.
15 Smith Road
Midland, TX 79705


Hudson Oil of Texas
616 Texas Street
Ft. Worth, TX 76102

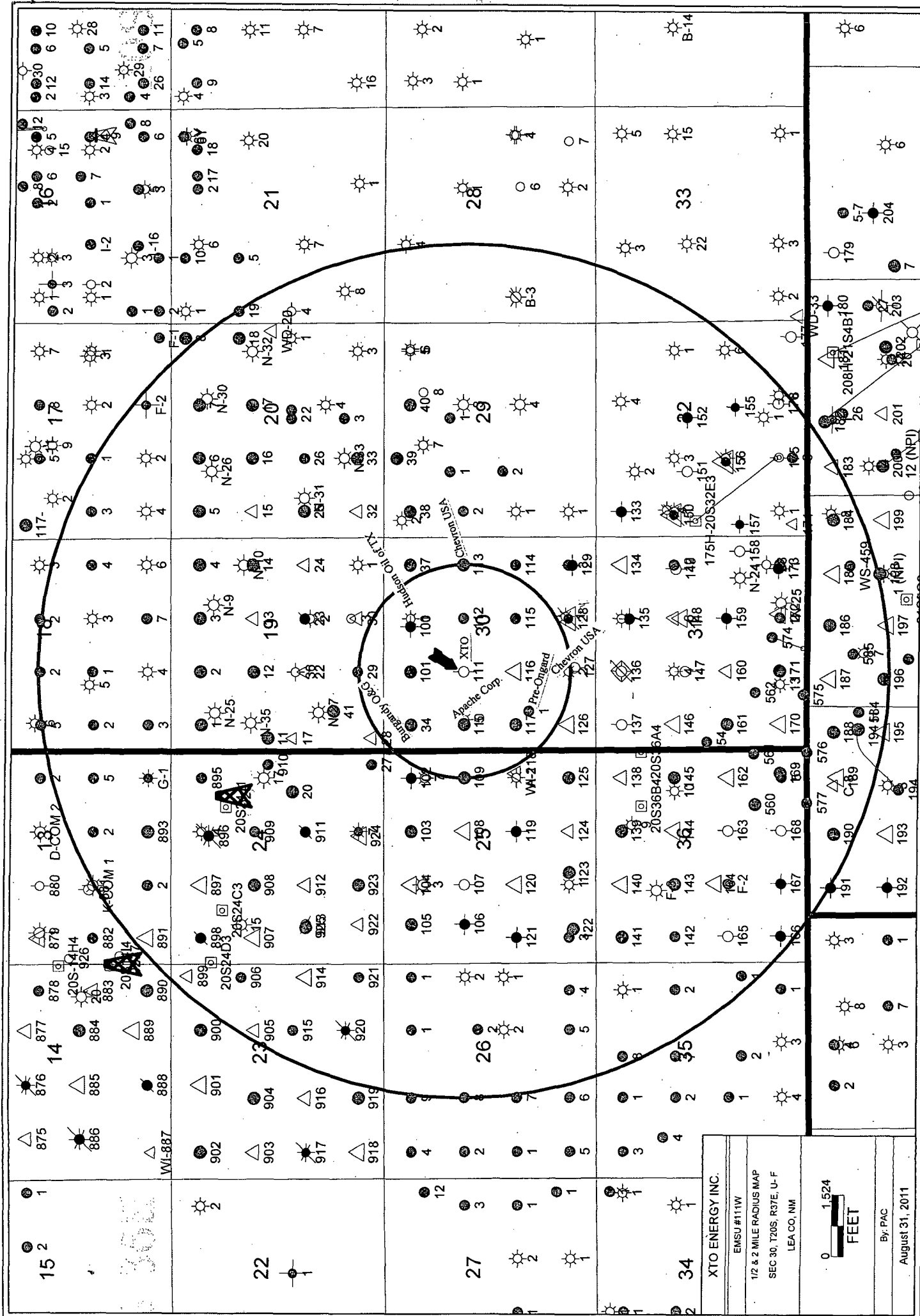
Pre-Ongard Well Opr.
1220 S St. Francis
Santa Fe, NM 87502

Newspaper Notice to Public:

Hobbs Daily News-Sun
201 N Thorp
P. O. Box 936
Hobbs, NM 88241
Tel. No. 575-393-2123

I, Sharon Hindman, do certify that on October 14, 2011 the above listed interested parties were mailed copies of the application to inject for the Eunice Monument South Unit #111W well.


Sharon Hindman, Regulatory Analyst
XTO Energy, Inc.
sharon_hindman@xtoenergy.com



UNDERGROUND INJECTION CONTROL PROGRAM

PERMIT SUMMARY PAGE

<u>Nature of Permit</u> <input checked="" type="checkbox"/> New Permit <input type="checkbox"/> Amend Existing Permit <input type="checkbox"/> Injection Pressure Increase <input type="checkbox"/> Renew Discharge Plan <input type="checkbox"/> Other(Specify) _____	<u>Number of Wells</u> <input checked="" type="checkbox"/> Single Well <input type="checkbox"/> Multiple Wells Specify Number Wells _____	<u>Approval Process</u> <input checked="" type="checkbox"/> Administrative <input type="checkbox"/> Hearing If Hearing: Case No. _____ Order No. R- _____	<u>Reviewer</u> <input type="checkbox"/> Ezeanyim <input type="checkbox"/> Brooks <input type="checkbox"/> Jones <input checked="" type="checkbox"/> Warnell
<u>Quarter in which Permit Issued</u> <input checked="" type="checkbox"/> 1 st (October-December) <input type="checkbox"/> 2 nd (January-March) <input type="checkbox"/> 3 rd (April-June) <input type="checkbox"/> 4 th (July-September)	<u>Type of Permit</u> <input type="checkbox"/> SWD Well <input type="checkbox"/> Waterflood or Pressure Maintenance Injection Well <input type="checkbox"/> Class III Brine Well <input type="checkbox"/> Other(Specify) _____	<u>Final Outcome</u> <input type="checkbox"/> Application Approved <input type="checkbox"/> Application Denied <input type="checkbox"/> Application Returned	<u>Operator</u> _____

WFX-893

Nov 10, 11 Permit Date

EXT Energy Inc.

Area of Review Wells

15 Total Number of Area of Review Wells
 5 Plugged and Abandoned Area of Review Wells
 8 Active Area of Review Wells

Area of Review Wells to be Repaired

0 P&A Wells
 0 Active Wells

Injection/Disposal Well Classification

___ New Wells (Wells were Drilled After March 7, 1982 - New Mexico Primacy Date)
 X ___ Existing Wells (Wells were Drilled Prior to March 7, 1982)