

DATE IN 10/17/08	SUSPENSE	ENGINEER W Jones	LOGGED IN 10/20/08	TYPE WFX	APP NO. PKVR0829436677
------------------	----------	------------------	--------------------	----------	------------------------

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

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



EMSU #210
30-025-04469

ADMINISTRATIVE APPLICATION CHECKLIST

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

Application Acronyms:

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

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

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

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

[D] Other: Specify _____

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

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

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

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

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

Kristy Ward
Print or Type Name

Kristy Ward
Signature

Regulatory Analyst 10-13-08
Title Date

Kristy.Ward@xtbenergy.com
e-mail Address

RECEIVED
2008 OCT 17 AM 11 54

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

FORM C-108
Revised June 10, 2003

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: Kristy Ward PHONE: 432-620-6740
- 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-C & R-7766-B
- 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. **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. **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 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. **Attached.**
- IX. Describe the proposed stimulation program, if any. **Attached.**
- *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 Attached.**
- *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 sources of drinking water. **Attached.**
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form. **Attached.**
- 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: Kristy Ward TITLE: Regulatory Analyst
SIGNATURE: Kristy Ward DATE: October 13, 2008
E-MAIL ADDRESS: kristy_ward@xtoenergy.com
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances 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. **3680' - 3807' - Perforated**
- (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 Attached.**
- (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.
Next higher is Penrose-bottom is @ 3613' & Next lower is San Andres - top of SA is @ 3832'.

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: Eunice Monument South Unit #210WELL LOCATION: 4620' FSL & 1980' FWL 2 C UNIT LETTER 4 SECTION 21S 36E
FOOTAGE LOCATION RANGEWELLBORE SCHEMATICWELL CONSTRUCTION DATA
Surface CasingHole Size: 12 1/2" Casing Size: 10 3/4"
Cemented with: 200 sx. or ft³
Top of Cement: Surface Method Determined: CirculatedIntermediate CasingHole Size: Casing Size: 7 5/8"
Cemented with: 400 sx. or ft³
Top of Cement: Surface Method Determined: CirculatedProduction CasingHole Size: 7 7/8" Casing Size: 5 1/2"
Cemented with: 400 sx. or ft³
Top of Cement: Surface Method Determined: CirculatedTotal Depth: 3870'Injection Interval3680' feet to 3807' Perforated

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEETTubing Size: 2 3/8" x 5 1/2" Lining Material: IPCType of Packer: AS1 - X pkr w/T-2 on/off tool w/1.781 F profile & WL entry guidePacker Setting Depth: 3617'Other Type of Tubing/Casing Seal (if applicable): N/AAdditional 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: Grayburg3. Name of Field or Pool (if applicable): Eunice Monument4. 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 @ 3832' belowPenrose @ 3613' above

XTO Energy, Inc.
Eunice Monument South Unit #210 - CTI
API #30-025-04469
Section 4, T-21S, R-36E
Lea County, New Mexico
C-108 (Application for the Authorization to Inject)

VII. Data For Proposed Operation

1. Proposed average and maximum daily rate and volume of fluids to be injected.

Average daily rate of 500 BWIPD
Maximum daily rate of 1000 BWIPD
2. System is closed.
3. Proposed average and maximum injection pressure:

Average injection pressure of 700 psi
Maximum injection pressure of 800 psi
4. The source of the injection fluids will be the produced water from existing Eunice Monument South Unit producers (see attached water analysis).
5. N/A

VIII. Geologic Data

Water injection will be into the Grayburg Formation at a depth of 3613'-3830'. The Grayburg is a porous dolomite. This well was a producing oil well and is being converted to a water injection well to support oil production from surrounding wells. The top of the Grayburg is picked at 3455' and this well does not penetrate to the base of the formation which is known to be approximately 240' thick in this area.

IX. Proposed Stimulation Program

The CIBP will first be drilled out and the well cleaned out to its PBDT. The perforations will then be washed with a sonic hammer tool using brine water before being acidized with 1,500 gals 20% 90/10 acid. Approximately one month later, or after the injection rate and pressure have stabilized, an injection profile will be run.

X. Well Test Information

No Well Test information available due to well being TA'd for years. Logs are attached.

XI. Chemical Analysis

Chemical Analysis of fresh water from two or more fresh water wells 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 no evidence that there are any open faults or other hydrologic connection between the Grayburg injection zone and any groundwater resources in this area.

XIII. Proof of Notice

Proof of Notice on Attached Page.

Surface Owner

Millard Deck Estate
% Harding and Carbone
3903 Belair Blvd.
Houston, TX 77205
Office: (713) 664-1215

I, Kristy Ward, do hereby certify that on October 13, 2008 the above and attached listed interested parties were mailed copies of the application to inject for the Eunice Monument South Unit #210.

Eunice Monument South Unit #210
Page 3

Offset Operators within ½ Mile Radius

ConocoPhillips
3300 North "A" Street, Bldg. 6
Midland, TX 79705

BP American Production Company
P.O. Box 1089
Eunice, NM 88231



October 13, 2008

ConocoPhillips
3300 North "A" Street, Bldg. 6
Midland, TX 79705

Re: Offset Operator Notification
Eunice Monument South Unit #210
API #30-025-04469

To Whom It May Concern:

This letter is to notify you that 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 is 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 432-620-6740.

Sincerely,

Kristy Ward
Regulatory

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits.		A. Signature X ☐ Agent ☐ Addressee	
1. Article Addressed to: Conoco Phillips 3300 North 'A' Str., Bldg. 6 Midland, TX 79705		B. Received by (Printed Name)	C. Date of Delivery
2. Article Number (Transfer from service label)		D. Is delivery address different from item 1? ☐ Yes If YES, enter delivery address below: ☐ No	
		3. Service Type ☒ Certified Mail ☐ Express Mail ☐ Registered ☐ Return Receipt for Merchandise ☐ Insured Mail ☐ C.O.D.	
		4. Restricted Delivery? (Extra Fee) ☐ Yes	

XTO Energy Inc.



October 13, 2008

BP America, Inc.
P.O. Box 1089
Eunice, NM 88231

Re: Offset Operator Notification
Eunice Monument South Unit #210
API #30-025-04469

To Whom It May Concern:

This letter is to notify you that 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 is 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 432-620-6740.

Sincerely,

Kristy Ward
Regulatory

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

*BP American, Inc.
P.O. Box 1089
Eunice, NM 88231*

2. Article Number

(Transfer from service label)

7007 0220 0002 5083 9522

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent

☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes

If YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail

☐ Express Mail

☐ Registered

☐ Return Receipt for Merchandise

☐ Insured Mail

☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

XTO Energy Inc. · 2



October 13, 2008

Millard Deck Estate
c/o Harding and Carbone
3903 Belair Blvd.
Houston, TX 77205

Re: Surface Owner Notice
Application to Convert Well to Injection
Eunice Monument South Unit #210

To Whom It May Concern:

This letter is to notify you that XTO Energy Inc. has submitted to the Oil Conservation Division an application to convert a well to injection. Our records indicate that you are a surface owner. Attached is 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.

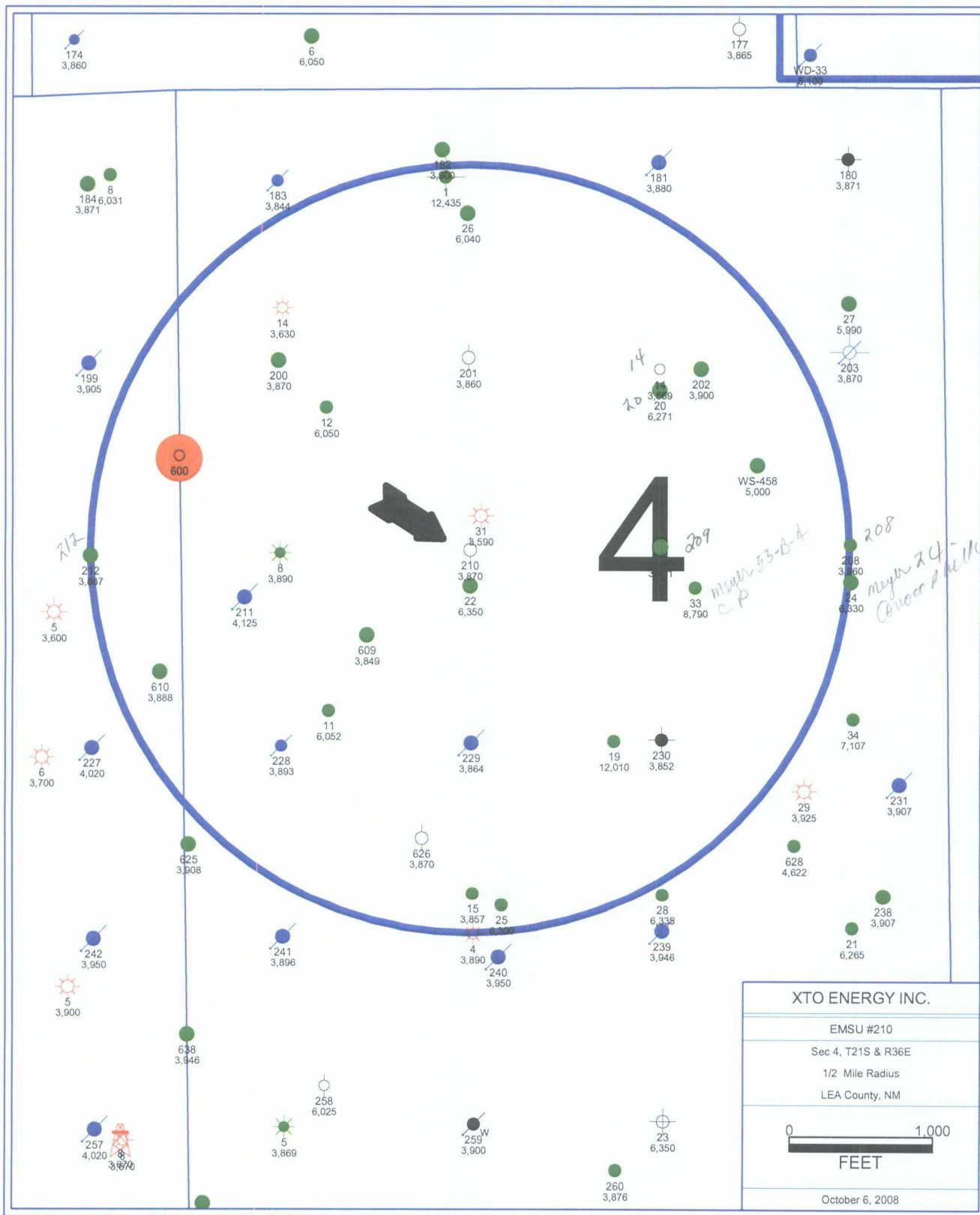
If you have any questions please call me at 432-620-6740.

Sincerely,

John H. Harding

I
I

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits.		A. Signature ☐ Agent ☐ Addressee X	
1. Article Addressed to: <i>Millard Deck Estate c/o Harding & Carbone 3903 Belair Blvd. Houston, TX 77205</i>		B. Received by (Printed Name)	C. Date of Delivery
		D. Is delivery address different from item 1? ☐ Yes If YES, enter delivery address below: ☐ No	
		3. Service Type ☒ Certified Mail ☐ Express Mail ☐ Registered ☐ Return Receipt for Merchandise ☐ Insured Mail ☐ C.O.D.	
		4. Restricted Delivery? (Extra Fee) ☐ Yes	
2. Article Number (Transfer from service label)		7007 0220 0002 5083 9539	





EMS#210 - 1/2 Mile Radius Wells												
XTO Energy, Inc.												
Well Name	Well Number	TD	Township	Range	Section	County	Field	Operator	Status	Spud Date	Comp Date	API
BELL RAMSEY	8	3890	21S	36E	4	LEA	Eunice Monument	XTO Energy Inc.	Oil-Active	04/05/36	07/23/36	30025044910000
BELL RAMSEY	11	6052	21S	36E	4	LEA	Oil Center;Blinebry	XTO Energy Inc.	OIL	04/04/62	04/06/62	30025044940000
BELL RAMSEY	12	6050	21S	36E	4	LEA	Oil Center;Blinebry	XTO Energy Inc.	Oil-Active	11/18/62	12/01/62	30025044870000
EMS#	200	3870	21S	36E	4	LEA	Eunice Monument	XTO Energy Inc.	Oil-Active	05/03/36	06/28/36	30025044920000
EMS#	201	3860	21S	36E	4	LEA	Eunice Monument	XTO Energy Inc.	Inj-TA	05/21/36	06/26/36	30025044720000
EMS#	202	3900	21S	36E	4	LEA	Eunice Monument	XTO Energy Inc.	Oil-TA 5/23/01	06/07/87	07/20/87	30025298660000
EMS#	209	3871	21S	36E	4	LEA	Eunice Monument	XTO Energy Inc.	Oil-Active	07/19/36	08/21/36	30025044730000
EMS#	211	4125	21S	36E	4	LEA	Eunice Monument	XTO Energy Inc.	Inj-Active	03/30/86	07/31/86	30025296150000
EMS#	212	3887	21S	36E	5	LEA	Eunice Monument	XTO Energy Inc.	Oil-Active	11/19/35	12/24/35	30025045040000
EMS#	228	3893	21S	36E	4	LEA	Eunice Monument	XTO Energy Inc.	Inj-Active	01/01/72	07/12/72	30025044900000
EMS#	229	3864	21S	36E	4	LEA	Eunice Monument	XTO Energy Inc.	Inj-Active	02/24/36	04/16/36	30025044670000
EMS#	230	3852	21S	36E	4	LEA	Eunice Monument	XTO Energy Inc.	PA	03/08/36	04/19/36	30025044780000
EMS#	WS-458	5000	21S	36E	4	LEA	Eunice Monument	XTO Energy Inc.	WSW-Active	05/03/86	10/20/86	30025296180000
EMS# <i>cancelled</i>	600	4450	21S	36E	3	LEA	Eunice Monument	XTO Energy Inc.	Oil	10/19/05	03/10/06	30025373190000
EMS#	609	3849	21S	36E	4	LEA	Eunice Monument	XTO Energy Inc.	Oil-Active	11/26/91	01/11/92	30025314060000
EMS#	610	3888	21S	36E	5	LEA	Eunice Monument	XTO Energy Inc.	Oil-Active	12/05/91	01/25/92	30025314070000
EMS#	626	3870	21S	36E	4	LEA	Eunice Monument	XTO Energy Inc.	Oil-TA 7/19/02	12/11/91	01/15/92	30025314650000
H T ORCUTT NCT-B	14	3630	21S	36E	4	LEA	Eumont	XTO Energy Inc.	Gas-P&A'd	03/29/98	05/24/98	30025343440000
MEYER 'B4'	33	8790	21S	36E	4	LEA	Oil Center;Blinebry	CONOCOPHILLIPS	OIL	04/16/02	10/09/03	30025358840000
MEYER B 4	20	6271	21S	36E	4	LEA	Oil Center;Blinebry	CONOCOPHILLIPS	Oil-P&A'd	05/19/62	07/03/62	30025044810000
MEYER B 4	22	6350	21S	36E	4	LEA	Oil Center;Blinebry	CONOCOPHILLIPS	OIL	09/09/62	10/02/62	30025044830000
MEYER B 4	25	6300	21S	36E	4	LEA	Oil Center;Blinebry	CONOCOPHILLIPS	OIL	02/23/63	03/28/63	30025022210000
MEYER B 4	26	6040	21S	36E	4	LEA	Oil Center;Blinebry	CONOCOPHILLIPS	OIL	12/10/62	12/30/62	30025044860000
MEYER B 4	31	3590	21S	36E	4	LEA	Eumont	CONOCOPHILLIPS	GAS	06/18/95	07/06/95	30025329420000
MEYER B-4	14	3869	21S	36E	4	LEA	Eunice Monument	CONOCOPHILLIPS	Oil-P&A'd	07/20/36	08/30/36	30025044740000
MEYER B-4	15	3857	21S	36E	4	LEA	Eunice Monument	CONOCOPHILLIPS	OIL	09/12/36	10/01/36	30025044750000
MEYER B-4	19	12010	21S	36E	4	LEA	Oil Center;Blinebry	CONOCOPHILLIPS	OIL	01/01/67	05/12/67	30025044800000
Federal OC Com	1	12435	21S	36E	4	LEA	Wildcat	BP American	Oil-P&A'd	11/11/90	06/27/91	30025307900000



WELL DATA SHEET

LEASE: EMSU WELL: 210
LOC: 3261' F N L & 1980' F W L SEC: 4
TOWNSHIP: 21S CNTY: Lea
RANGE: 36E UNIT: ST: N.M.

FORM: Grayburg / San Andres DATE:
GL: 3557' STATUS: SI
KB: 3567' API NO: 30-025-04469
DF: CHEVNO: FA5611:01

Date Completed: 6/1/1936
Initial Production: 2400 BOPD / 0 BWPD
Initial Formation: Grayburg
FROM: 3749' to 3870'

Completion Data

6/36 Natural - no stimulation.

Subsequent Workover or Reconditioning:

1/47 Acdz w/ 1000 gals 20%.
10/49 Installed gas lift.
9/54 Rod pump installed. B- 5/120. A- 27/161.
4/86 Ran GR/CCL/CNL and perf OH f/ 3800-02, 3788-90, 3782-84 & 3769-71 (4 JHPF). ACDZ OH w/ 4500 gals 20% NeFe HCl fr 3749-3867'.
5/86 Dump sand to 3818'. Dump 149 gals Hydromite to 3780'. DO to 3815'.
Perf 3650-52, 3660-62, 3668-70, 3688-90, 3693-95, 3718-20, 3723-25 & 3734-36 (4 JNPF). ACDZ w/ 4000 gals 15% NeFe HCl. Push pieces RBP to 3815'. Set WL CIBP @ 3730'. B: 0/140
10/28/87 DO CIBP and push to 3822'. Run 4" Liner (6 jts. 4"-13.4# L80 RFC spiral-lined and 6 jts. 4" 12.93# L80 RFC liner, set @ 3822' w/ 50 SX CI C). SQZD TOL w/ 45 SX. WLTD = 3832'. TOL 3471' to 3832' WL. Perf 3650-74, 3690-3714, 3721-28, 3734-44, 3752-62 & 3770-3807'. ACDZ w/ 5600 gal 15% NeFe HCl. Swb; SFL=1400', EFL=1700'. B: 1/24 A: 0/60.
12/88 Set CIBP @ 3766'. Cmt squeeze 3770-3807' w/ 1200 SX. Comm. around CR. Reperf 3650-3762'.
11/11/98 TA'd - Set CIBP @ 3450' w/35' cmt on top
1/18/2000- Conv to inj. Drill out cmt/CIBP/CICR to 3,818'. Perf'd fr 3770-3807'. Acid perfs 3770-3807' 1000 gals. Dump sand to 3680'. Sqz perfs 3650-80'. Tagged cmt @ 3334'. DO cmt w/3-1/4" bit to 3824'. Set packer inj pkr @ 3617'.

Well was shut in pending resolution of Doyle Hartman objection

10/02- RIH w/4" CIBP. Set at 3560'. Well TA'd

Additional Data:

T/Queen Formation @ 3327'
T/Penrose Formation @ 3455'
T/Grayburg Zone 1 @ 3613'
T/Grayburg Zone 2 @ 3650'
T/Grayburg Zone 2A @ 3678'
T/Grayburg Zone 3 @ 3704'
T/Grayburg Zone 4 @ 3736'
T/Grayburg Zone 5 @ 3786'
T/Grayburg Zone 6 @ 3830'
T/San Andres Formation @ 3832'
KB @ 3567'

Current

Inj. _____ bwpd @ _____ psi Date: _____
Prod. _____ bopd _____ bwpd Date: _____
Gas _____ mcfpd

10-3/4" OD
CSG
Set @ 319' W/ 200 SX
Cmt circ.? yes
TOC @ surf by calc

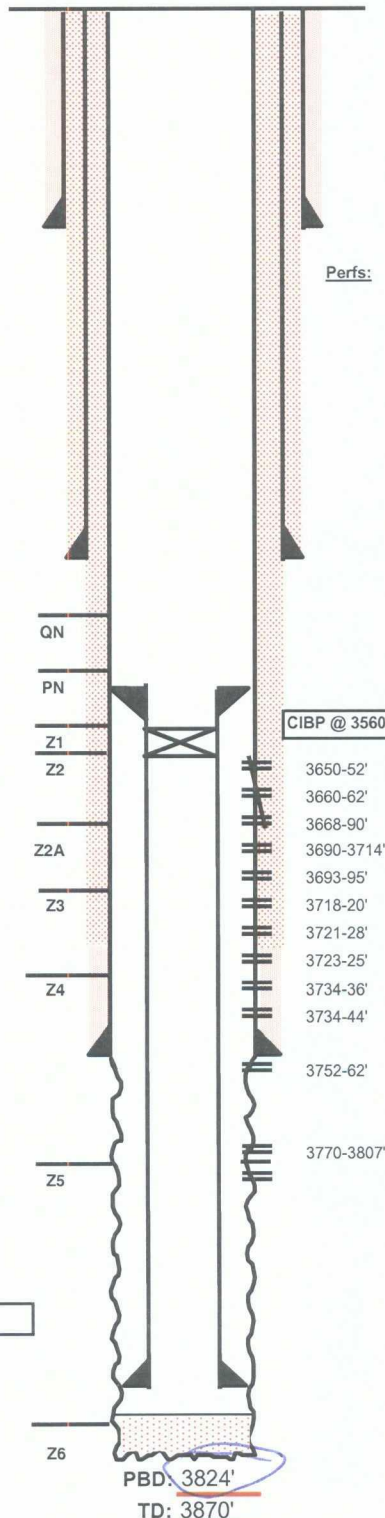
7-5/8" OD 26.4#
ST&C # CSG Gr.
Set @ 1271' W/ 400 SX
Cmt circ.? yes
TOC @ by

Tubing Detail:

5-1/2" OD 17#
CSG Gr.
Set @ 3749' W/ 400 SX
Cmt circ.? Yes
TOC @ by

LinerDetail: TOL @ 3471' to 3832' WLTD.

FILE: EMSU210WB.XLS
LCJI - 4/15/99





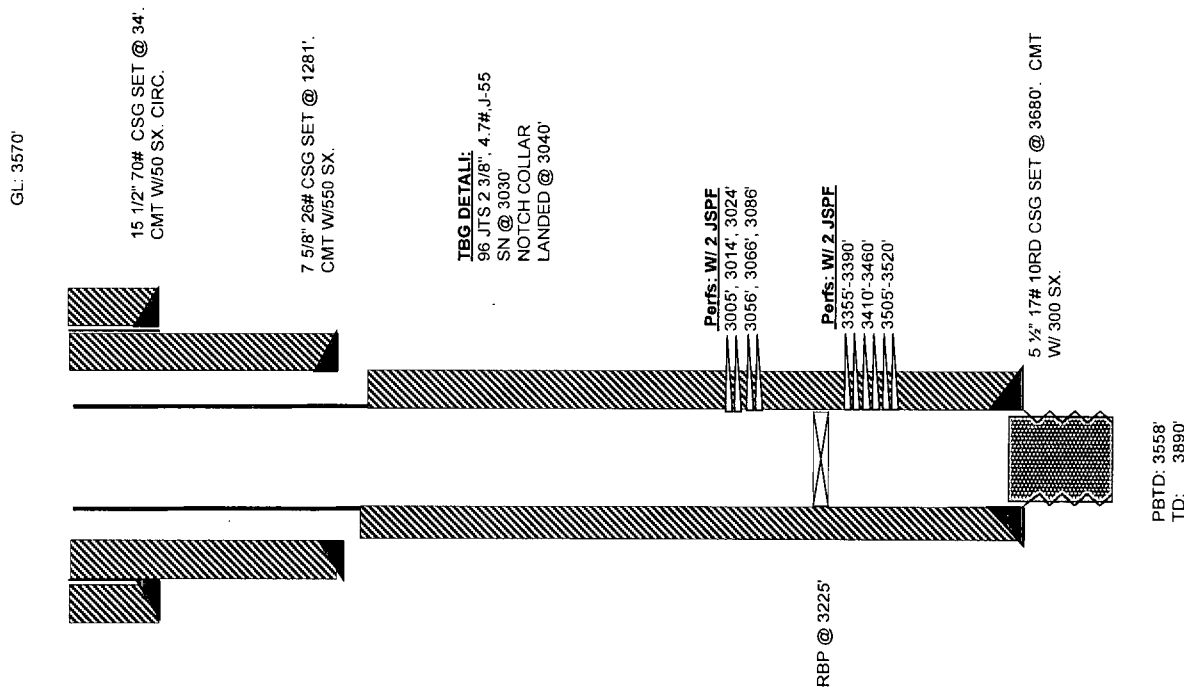
BELL-RAMSAY NCT 'A' #8

WELLBORE DIAGRAM

LOCATION: 4620' FSL & 660' FWL, UNIT: L, SEC. 4, T-21-S, R-36E
COUNTY/STATE: LEA COUNTY, NM
FIELD: EUMONT
FORMATION:
INITIAL IP: 100 BOPD, 4973 MCFPD.
API #: 30-025-04491
CURRENT STATUS: PRODUCING

DATA

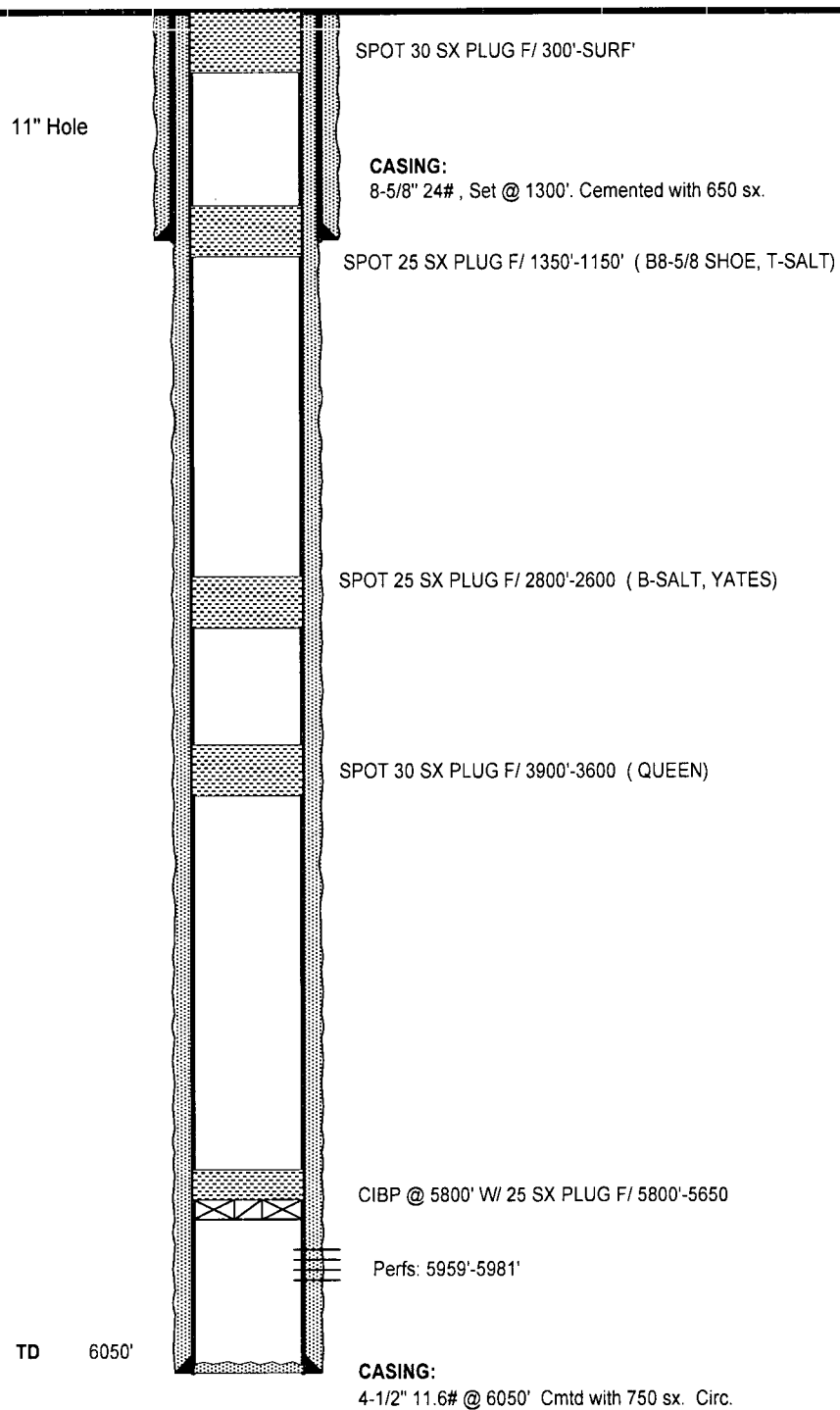
COMPLETION DATA:
05/28/36: OH COMPLETION F/ 3680'-3890'. ACD'Z W/ 1000 GALS DOWELL X SOLUTION. AXD'Z W/ 2000 GALS HYDROCHLORIC ACID 50% SOLUTION. NO INHIB USED. ACD'Z W/ 2000 GALS DOWELL X SOLUTION.
12/1936: ACD'Z W/ 1000 GALS 14% NON INHIB SOLUTION.
05/1940: PB W/ 700 GALS JELLY SEAL W/ J-4 ON BTM. PMP 1000 GALS DOWELL FORM PLUG. IP 1250#. SPOT 150 GALS SUPER JELLY SEAL ON BTM FOLLOW W/ 600 GALS DOWELL CHEM FORM PLUG. FLSH W/ 13 BW & 2 BO. SPOT 15 GALS JELL FLAKE ON BTM. TRTD W/ 2000 GALS DOWELL X, FLSH W/ 15 BO.
12/1942: SPOTTED 10 GALS JELLY SEAL ON BTM, TRTD W/ 2000 GALS DOWELL X
03/1956: BROKE FORM W/ 1400# PRESS. SQZ'D OH W/ 208 SX CMT. 162 SX IN FORM. PERF CSG @ 3355'-3390', 3410'-3460', 3505'-3520' W/ 2 JHPF. TRTD FORM W/ 10,000 GALS REF'D OIL W/ 1# SPG BY DOWELL. AIR 10.6 BPM. FLSH W/ 75 BO.
03/1967: CSG LK @ 3' FROM SURF. DIG OUT CELLAR, CHG OUT CSG NIP & WH EQUIP.
08/1994: C/O F/ 3421'-3557'. PMP 750 GALS 15% NEFE. ACD'Z PERFS 3510'-3520' W/ 500 GALS 15% NEFE. FRAC PERFS W/ 41, 250 GALS 50Q CO2 LINEAR GEL & 152,000# 12/20 BRADY SD, FLSH. SET RBP @ 3225', PERF F/ 3086', 3066', 3056', 3024', 3014', 3005'. SPOT ACID ACROSS NEW PERFS. FRAC NEW PERFS 3086'-3005' W/ 40,850 GALS 50Q CO2 LINEAR GEL, 152,000# 12/20 BRADY SD, FLUSH. RWTP.
10/2006: REPAIR TBG LK. RWTP.



EMS U #210

Well: Bell-Ramsay NCT A #11
Location: Section 4-21S-R36E
3540' FSL & 990' FWL

County: Lea
State: New Mexico
API #: 30-025-04494





WELL DATA SHEET

LEASE: EMSU WELL: 200
LOC: 1941' F N L & 660' F W L SEC: 4
TOWNSHIP: 21S CNTY: Lea
RANGE: 36E UNIT: E ST: N.M.

formerly Bell-Ramsay (NCT-A) #9

FORM: Grayburg / San Andres DATE: _____
GL: 3563' STATUS: Producer
KB: 3573' API NO: 30-025-04492
DF: _____ CHEVNO: FA 5634:01

Date Completed: 6/27/1936
Initial Production: 176 BOPD / 34 BWPD
Initial Formation: Grayburg
FROM: 3728' to 3870' GOR 3840

Completion Data

6/22/36 Acdz w/2000 gals. Dowell X

Subsequent Workover or Reconditioning:

4/10/43 Acdz w/ 2000 gals. A/W 37 BO / 7 BW / GOR 5910.
B/4 - 37 BO / 7 BW / GOR 5900.
6/15/51 Install gas lift.
11/4/57 PB to 3855' w/ 40 gals. hydromite. Frac OH f/ 3747-3855' w/ 6972 gal oil & 1 PPG sand, w/ 500# mothballs. Frac w/ 8022 gal oil w/ 1 PPG sd (2nd stg). A/W: 117 BO / 5 BW / GOR 1313. B/4 - 4 BO / 1 BW.
3/1/65 ACDZ w/ 750 gals 15% Ne. A/W: 25 BO / 0 BW B/4 - 7 BO / 6 BW.
8/26/71 ACDZ w/ 750 gals 15% Ne. A/W: 12 BO / 7 BW B/4 - 5 BO / 4 BW
1/87 CO 3842-3855'. Log w/ GR, CCL. Perf 3653-55, 3676-78, 3682-84, 3700-02 (2JHPF). ACDZ w/ 1200 gal 15% Ne HCl + 25 Bs. ISIP - vac. Acdz OH f/ 3728-3855' w/ 4000 gals 15% NeHCl. Swab dry. Rec 25 BW. RIH w/ PE. TOP. A/W: 0 BO / 16 BW / 12 mcf/gpd B/4 - 5 BO / 5 BW / GOR 1400.
3/21/97 Stim w/ 1000 gals Resisol II+.

Additional Data:

T/Queen Formation @ 3316'
T/Penrose Formation @ 3453'
T/Grayburg Zone 1 @ 3619'
T/Grayburg Zone 2 @ 3661'
T/Grayburg Zone 2A @ 3683'
T/Grayburg Zone 3 @ 3719'
T/Grayburg Zone 4 @ 3753'
T/Grayburg Zone 5 @ 3796'
T/Grayburg Zone 6 @ 3848'
T/San Andres Formation @ 3898'
KB @ 3573'

10-3/4" OD
32# CSG
Set @ 328' W/ 250 SX
Cmt circ.? yes
TOC @ surf. by calc
(13-3/4" hole)

7-5/8" OD
26# CSG 8rd
Set @ 1269' W/ 300 SX
Cmt circ.? yes
TOC @ surf. by calc
(9-7/8" hole)

Tubing Detail: 1/31/87

Original KBTH: 10.00'
125 Jts. 2-3/8" J-55 4.7# 8rd EUE
tbgs: 3797.11'
1 SN 1.10'
1 2-3/8" Perf Sub 4.00'
1 2-3/8" J-55 8rd EUE tbgs 31.04'
Landed @: 3818.25'

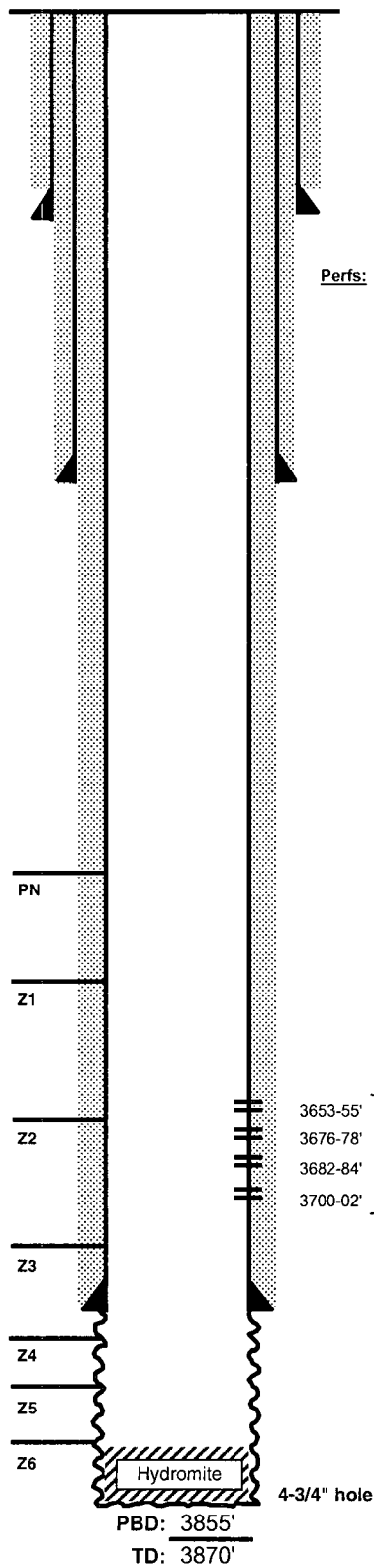
Rod Detail: 1/31/87

1 Polished Rod
62 3/4" X 25' Rods
89 5/8" X 25' Rods
1 2" X 1-1/4" X 12' Pump

5-1/2" OD
17# CSG 10rd
Set @ 3728' W/ 300 SX
Cmt circ.? yes
TOC @ 409' by calc
(6-3/4" hole)

FILE: EMSU200WB.XLS

printed: 10/9/2008



PBD: 3855'

TD: 3870'



WELL DATA SHEET

LEASE: EMSU WELL: 201WIC

FORM: Grayburg / San Andres DATE: 4/29/2008

LOC: 1941' F N L & 1980' F W L SEC: 4
TOWNSHIP: 21S CNTY: Lea
RANGE: 36E UNIT: F ST: N.M.

GL: 3543' STATUS: TA'd Inj
KB: 3553' API NO: 30-025-04472
DF: CHEVNO: FA 5614:01

formerly Meyer "B-4" #12

Date Completed: 6/27/1936
Initial Production: F 300 BOPD / 0 BWPD
Initial Formation: Grayburg
FROM: 3746' to 3860' / GOR 333

Completion Data

No completion data given.

Subsequent Workover or Reconditioning:

1/12/47 Acdz w/ 1000 gals
6/25/50 Acdz w/ 2000 gals
9/2/54 Install Pmp equip.
11/21/59 Acdz w/ 2000 gals
9/11/62 SS OH & Acdz
6/1/64 Temporarily Abandoned
7/16/86 CO to PBD log & acdz OH f/ 3746-3860' w/ 4000 gals
15% NeFe. RIH w/ 5-1/2" Baker TSN pkr on 2-3/8" IPC tbg. Set pkr @ 3676'. PWOI: 678 BWIPD @ 0 psig.
2/16/90 Perf 5-1/2" csg @ 3676-82, 3644-48 w/ 2JHPF. TIH w/ PPI pkr & Acdz OH 3746-3850' w/ 2750 gal in 3 stages. Acdz perfs 3676-82' w/ 600 gals. Acid & perfs 3644-48' w/ 400 gals acid. PB w/ 96 gals Hydromite. PBD = 3842' (WL). RIH w/ inj equip. Pkr set @ 3610'. Test to 600 psi-OK. PWOI: 792 BWIPD @ 53 psi.
8/14/97 POH w/inj pkr. Perf 3724-3736' w/3 SPF. Spotted 800# sand @ 3749'. Tagged sand @ 3789'. CO to 3800'. Pickled tbg w/500 gals 15% HCL. ACDZ OH w/1500 gals RS II. Washed sand to TD. Set CIBP @ 3591'. PMPD 500 sx CL "C", SQZD 410 sx into formation. Tag TOC @ 3587'. Drilled out CIBP & CMT to 3830'. Spotted 500 gals 15% @ 3720'. RIH w/INJ pkr to 3601'.
5/27/98 CO w/ CTU to 3842' w/ KCl wtr & N₂; ACDZ perfs & OH fr 3724-3842' w/ 1800 gals 15% HCl + additives (70Q foam down ann.)
10/1/02 CIBP set @ 3607'. Tst'd to 500#. Held OK. Well TA'd.
06/12/08 Re-Activate well & test in GB. Drillout CIBP @ 3607' and push to 3842' (PBTD). Ac'dz GB OH perfs 3724'-3842' w/ 2000 gals 20% 90/10 acid @ 2.7 BOM @ 1000#. ISIP-600#, 5 min-Vac. RIH w/ ESP and put on production.
07/08/08: Test 1 BO, 1 MCF, 525 BW in 24 hrs running 55 HZ w/ 74' FAP.

Additional Data:

T/Queen Formation @ 3318'
T/Penrose Formation @ 3456'
T/Grayburg Zone 1 @ 3630'
T/Grayburg Zone 2 @ 3665'
T/Grayburg Zone 2A @ 3689'
T/Grayburg Zone 3 @ 3720'
T/Grayburg Zone 4 @ 3750'
T/Grayburg Zone 5 @ 3797'
T/Grayburg Zone 6 @ 3841'
T/San Andres Formation @ 3843'
KB @ 3553'

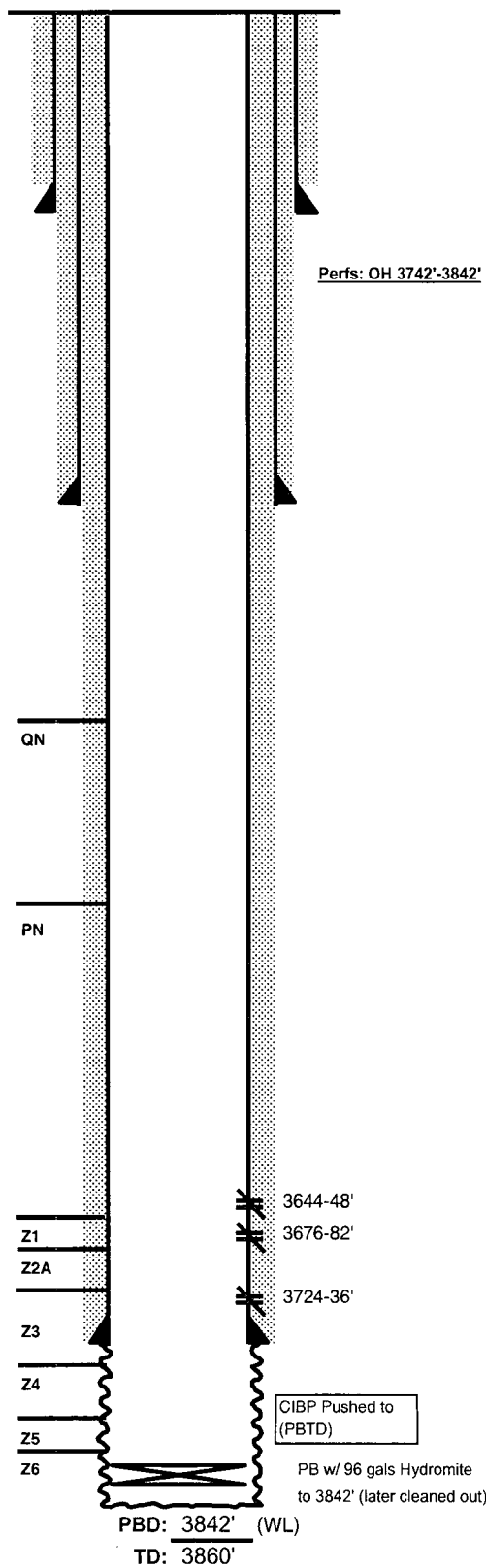
10-3/4" OD
CSG
Set @ 280' W/ 200 SX
Cmt circ.? yes
TOC @ surf. by calc.
(assume 13-3/4" hole size)

7-5/8" OD
CSG
Set @ 1238' W/ 400 SX
Cmt circ.? yes
TOC @ surf. by calc.
(assume 9-7/8" hole size)

Tubing Detail: 8/26/97

Original KB to THF: 0.00'
117 Jts. 2-3/8" J-55 4.7# 8rd IPC
tbg: 3599.07'
XL O/O Tool w/ 1.43 "F" Nipple 1.97'
Guiberson PC G-6 Inj pkr 4.15'
Landed @ 3605.19'

5-1/2" OD
CSG
Set @ 3746' W/ 400 SX
Cmt circ.? yes
TOC @ surf. by calc.
(assume 6-3/4" hole size)





WELL DATA SHEET

LEASE: EMSU WELL: 202
LOC: 1980' F N L & 1680' F E L SEC: 4
TOWNSHIP: 21S CNTY: Lea
RANGE: 36E UNIT: G ST: N.M.

FORM: Grayburg / San Andres DATE: 7/7/2008
GL: 3531.5' STATUS: TA'd Producer
KB: 3549' API NO: 30-025-29866
DF: 3547' CHEVNO: IH 4132:01

Date Completed: 6/28/1987
Initial Production: 1 BOPD 6 BWPD
Initial Formation: Grayburg zones 2, 4, 5
FROM: 3708' to 3857' / GOR 2000

Completion Data

6/26/87 Tag FC @ 3873'. Disp. w/ 8.6 CKF. Test csg 2000#, perf 3708-11, 3790-93, 3797-3800 & 3841-57. ACDZ w/ 2150 gals 15% NeFeA. Chemical sqz w/ Nalco scale inhibitor & surf. Run prod. equip.

Subsequent Workover or Reconditioning:

10/89 Chemical treat

05/01/01 MIRU, NDWH, NU BOPE, POH w. tbq, RIH w/ 4-3/4" bit & csg scraper to 3714'm TOH l/d tools, TIH set CIBP @ 3650', Circ Pkr fl, ran MIT, No Bleed Off. NDBOP, NUWH, RDP. Well TA'd.

4/08 Reac Grayburg. DO CIBP @ 3667' and CO to 3863'. Perf Grayburg 3727-3732' w/2 spf. CO to 3873'. ACDZ perfs fr 3790-3857' w/2000 gals 20% acidtol & 500# RS in 2 stages @ 4 BPM, 1400#. 15" SITP-117#. Spot 3 bbls acid @ 3708 - 3732'. Breakdown perfs fr 3708-3732 @ 1900#. ACDZ GB perfs w/2500 gals 20% acidtol @ 1 BPM & 2200#. Swab perfs fr 3708 - 3857'. rec'd all wtr. RIH w/PE.

Additional Data:

T/Queen Formation @ 3358'
T/Penrose Formation @ 3481'
T/Grayburg Zone 1 @ 3660'
T/Grayburg Zone 2 @ 3697'
T/Grayburg Zone 2A @ 3723'
T/Grayburg Zone 3 @ 3746'
T/Grayburg Zone 4 @ 3778'
T/Grayburg Zone 5 @ 3824'
T/Grayburg Zone 6 @ 3863'
T/San Andres Formation @ 3864'
KB @ 3549'

8-5/8" OD
24# CSG
Set @ 1230' w/ 750 SX
Cmt circ.? yes
TOC @ surf. by calc.
(assume 12-1/4" hole size)

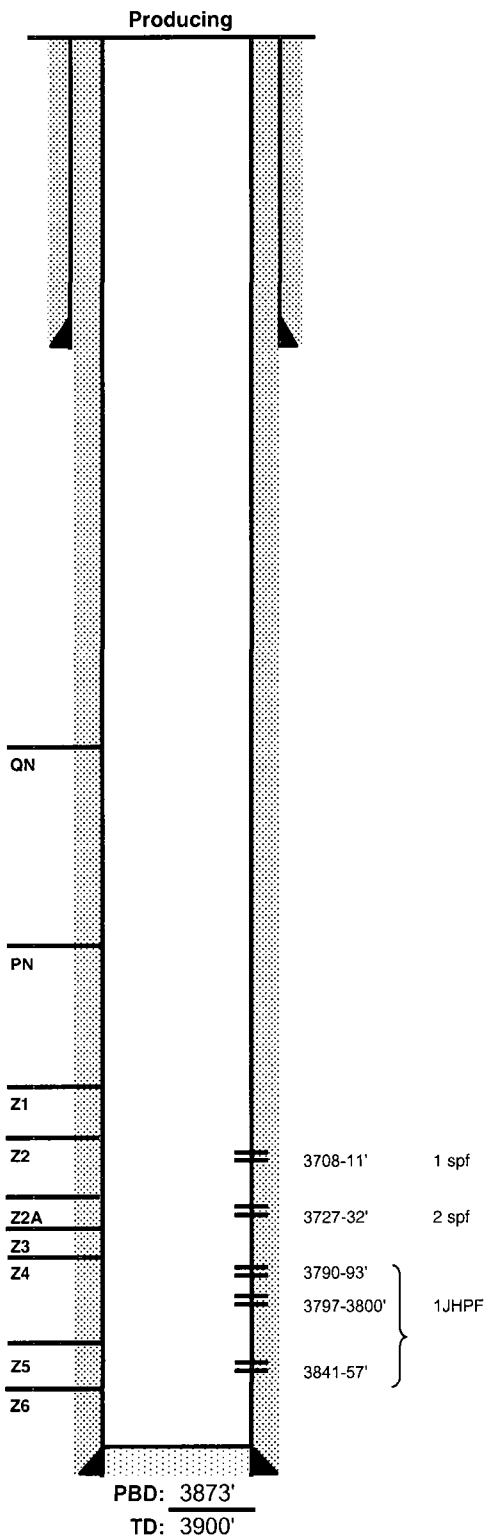
TBG DETAIL:

113 JTS 2-7/8", 6.5#, J-55, 8RD
TBG, TAC, 6 JTS 2 7/8" J-55 TBG,
1 JT 2 7/8" J-55 IPC (TK-99), API
SN, 1 2 7/8" SLOTTED MAJ.
LANDED @ 3839', SN @ 3822',
TAC @ 3598',

ROD DETAIL:

1-1/4" X 20' PR, 3/4" X 6', 2' D78
SUBS, 146-3/4" D79 RODS, 4-1 1/2"
K BARS,
1-1/2" X 8' GA, 2.5-1.5 RXBC-24'-3'
PMP W/ 1"X4' STAB SUB.

5-1/2" OD
15.5# CSG J-55
Set @ 3900' w/ 700 SX
Cmt circ.? yes
TOC @ 167' by calc.
(assume 7-7/8" hole size)



FILE: EMSU202WB.XLS

WELL DATA SHEET

LEASE: EMSU WELL: 209WIC
 LOC: 3233' F N L & 1980' F E L SEC: 4
 TOWNSHIP: 21S CNTY: Lea
 RANGE: 36E UNIT: J ST: N.M.

FORM: Grayburg / San Andres DATE:
 GL: 3562' STATUS: Injector
 KB: 3572' API NO: 30-025-04473
 DF: CHEVNO: FA 5615:01

Date Completed: 9/2/1936
 Initial Production: 171800 BOPD / 0 BWPD
 Initial Formation: Grayburg
 FROM: 3716 to 3871' / GOR 833

10-3/4" OD
 40.5# CSG
 Set @ 310' W/ 200 SX
 Cmt circ.? Yes
 TOC @ surf. by calc.

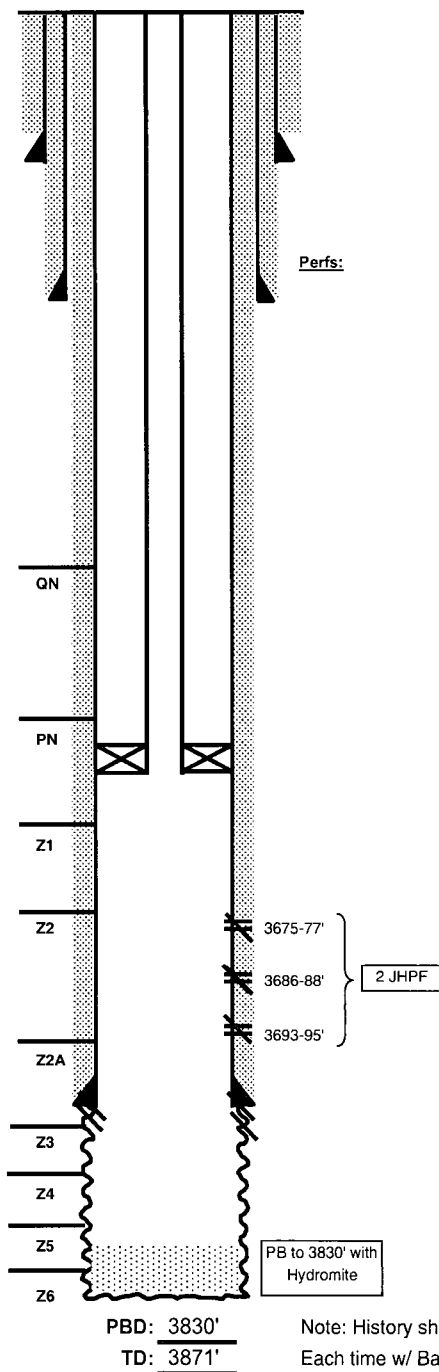
7-5/8" OD
 26.4# CSG
 Set @ 1283' W/ 400 SX
 Cmt circ.? Yes
 TOC @ surf. by calc.

Tubing Detail: 12/30/06

- 1 - U- Base Sensor
- 1 - 80 HP, 1,310 volt, 39 Amp
- 1 - TR4-98L/ESP Lower Seal
- 1 - Adaptor
- 1 - TR4-STD/ESP Upper Seal
- 1 - Gas Separator 400-RGS-ESP
- 1 - TD2200 50 Stage FL/BOH/ESP
- 1 - TD2200 116 Stage FL - ESP
- 1 - 2-7/8" API SN
- 114 Jts 2-7/8", 6.5#, J-55, EUE, 8rd

Total 3,640.82'
 KB Corr 10.00'
 Landed @ 3,650.82'

5-1/2" OD
 17# CSG
 Set @ 3716' W/ 425 SX
 Cmt circ.? Yes
 TOC @ surf. by calc.



Completion Data

9/36 DST - 3712 - 3750'. Opn 10 min showed 240' oil and 824 mcf gas. Natural completion OH 3716-3871'.

Subsequent Workover or Reconditioning:

10/47 Requested OCD permission to gas lift well using gas from another well (Mayer B-4 #6 system). Gas lift installed.
 1/51 Aczd OH w/ 1000 gals. Gas lift valves @ 1795-2868, 3651'. Test = 11.4 BO/44.2 BW/122 mcfpd - **Note input gas = 86.6 mcfpd. Formation GOR = ((122-86.6)*1000)/11.4 = 3105 scf/5160.
 7/54 Aczd 1000 gal. Tst: 13 BO / 70 BW on gas lift.
 9/54 Install ppg unit. Remove gas lift equipment. Tst: 54 BO / 115 BW/3mcf. Ppg unit Beth 114D. SL=54". 1-3/4" pump, 20 SPM. Reason - not enough gas for gas lift equip.
 1/80 Tag fill (BaSO4 scale) @ 3857'. Try to CO. Couldn't circ. Log well. Perf OH 3730-40', 3760-80', 3805-15' & 3825-35'. Aczd with 4956 gal 15% Nea in 2 stgs. Ppd. scale inhib. Tst 84 BO/24 BW/83 MCFG. B/4 = 50 BO/42 BW/ 82 MCFG.
 2/81 Scale sqzd.
 1/83 Aczd 840 gal 15% NeFeA and scale squeezed. Tst 77Bo/83Bw/61mcf B14 = 80Bo/52Bw/72mcf.
 12/86 XO WH. GIH w/ bit. Tag @ 3876'. Attempt to circ. No success. POH w/ bit. Perf 3675-77', 3686-88' & 3693-95' (2 JHPF). Aczd new perfs with 1000 gal NeFeA & balled out after 12 balls. Swb 0 BO/0 BW. GIH with 5-1/2" Baker TSN pkr on 2-3/8" J-55 IPC tbg. Set pkr @ 3612'. Load ann with pkr fld. Well conv to inj. Tst: 700 BWIPD @ 0 psig.
 2/90 POH w/ inj equip. GIH w/ dump boiler. PB OH to 3830' w/ Hydromite. GIH w/ inj. equip before. Tst: 720 BWIPD @ 0 psi. B/4=720 BWIPD @ 21psi. Inj. prof B/4 PB showed 35% - 57% going 3844' down.
 Note: Prod. log run 4-21-86 before conv to inj showed 35% 3815-TD (water). 47% 3751-92 (oil, gas, water), 2% 3730-51(water), 16% 3716-20 (oil, gas, & water).
 10/23/97 WLTD @ 3844'. Dump sand, tag @ 3728'. ACDZ perfs 3675-95' & OH fr 3716-27' w/ 500 gals 15% Ne HCl. Then ACDZ OH w/ 1500 gals 15% RS II ppg. 70Q GBW f/ foam. Dump 1200# 20/40 sd. Set CICR @ 3605'. M&P 80 SX Cl 'C' + additives - SQZD 8 SX in form. D/O CR & cmt to 3723' - circ. hole clean. Finish wash sd to 3830'. RIH w/ Guiberson pkr, perform MIT & RTI.
 09/12/06 Re-Activate prod. Rih w/ 4-3/4" bit, tag CIBP @ 3613' & DO to 3830'. Cic.clean. sonic Hammer wash OH f/ 3716'-3830' w/ 100 bbls 8.6# BW followed by 5000 gals 20% HCL. AIR 4.2 BPM @ 2325#. Swab back. Load transport w/ 14 drums T-175, 5 gals DP-

FILE: EMSU209WB.XLS



EMSU 211 WELLBORE DIAGRAM

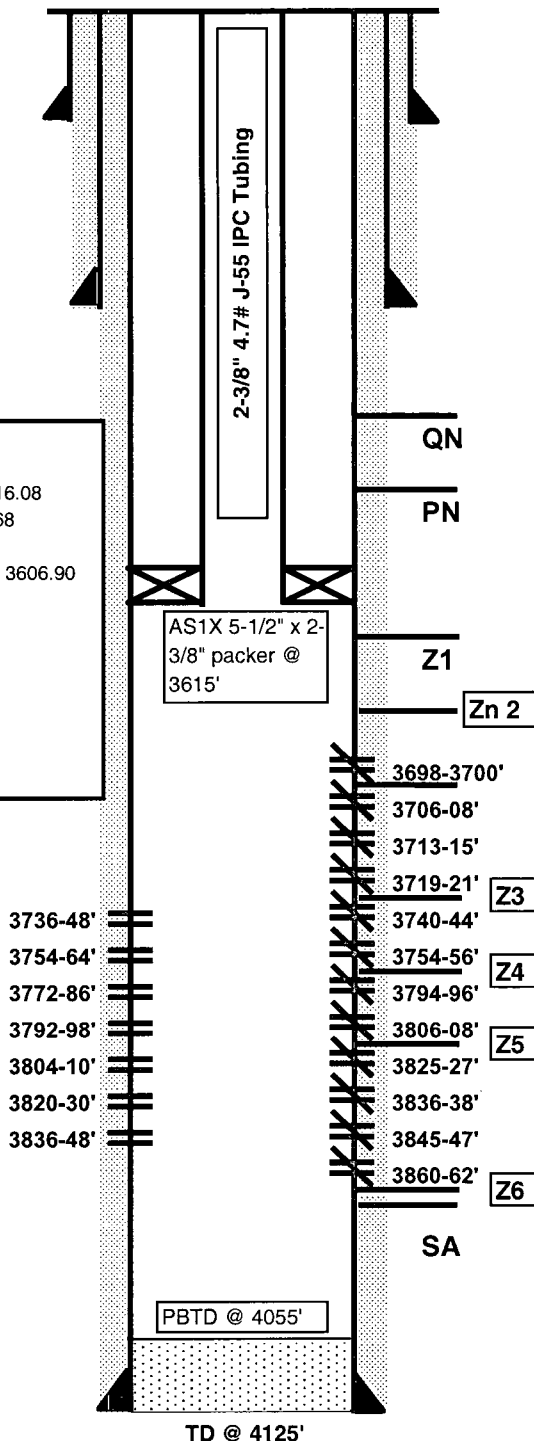
LEASE: EMSU WELL: 211WI FIELD: Eunice-Monument API: 30-025-29615
LOC: 3508 FNL & 410 FWL SEC: 4 BLK: T21S, R36E REF NO: FW6024:01
SVY: N.M.P.M. GL: 3564 CTY/ST: Lea Co., NM SPUD:
CURRENT STATUS: Injector KB: 3577 DF: TD DATE:

11-3/4", 42#/ft Surface
Pipe set @ 350' w/
325 SX cement
Cmt Circ.? Yes
TOC @ surf. by calc.

8-5/8", 32# Csg.
set @ 2589' w/ 650 SX
Cmt Circ.? Yes
TOC @ surf. by calc.

Tubing Detail: 08/06

1 packer 2-3/8" WLEG @ 3616.08
1 pkr - AS1X 5-1/2" @ 3615.68
1 On/off tool @ 3608.38
114 jts 2-3/8" 4.7# IPC tbg @ 3606.90
1 tbg sub @ 64.62
1 tbg sub @ 54.62
1 tbg sub @ 48.62
1 jt 2-3/8" tbg J-55 @ 44.62
Total 3603.08
KB Corr 13
Landed @ 3616.08



Date Completed: 11-6-86

Initial Injection: 653 BWPD @ 0 psig

Initial Formation: Grayburg Fr: 3698' To: 3862'

Completion Data:

Perf 3698-3700, 3706-08, 3713-15 & 3719-21 (2 JHPF). ACDZ w/ 1500 gal 15% NeFeA & 24 RCNBs. Swb 13 BW to SN. ONSITP=0. Tbg. dry to SN. Perf 3740-44, 3754-56, 3794-96, 3806-08, 3825-27, 3836-38, 3845-47 & 3860-62 (2 JHPF). ACDZ w/ 4000 gal 15% NeFeA & 78 RCNBs. Swb 4 BW & dry. GIH w/ Trump pkr on 2-3/8" IPC tbg. Set pkr @ 3589'. Put on inj.

Workover History:

10/94 ACDZ w/ 3500 gal NeFeHCl w/ Pentol solution. A - 1950 BWIPD @ vac. B - 172 BWIPD @ 765 psi.

3/97 Pumped 386 BBL Marcit polymer into perfs fr 3698-3721'. SI - 72 hrs. ACDZ w/ 2000 gal Resisol II fr 3820-PBTD.

4/27/98 Pump 1000 gal 15% 90/10 NeHCl to clean up perfs to be sqzd. Set CIRC @ 3606'. SQZD perfs fr 3698-3862' w/ 200 SX Cl C (160 SX in form.). D/O cmt & CR, wash & drill soft cmt to 3696'. DO good cmt to 3735'. Test polysqzd perfs to 500# OK. Fin D/O to 3854'. Perf 3836-48, 3820-30, 3804-10, 3792-86, 3754-64 & 3736-48 (3 JHPF). RIH set Guiberson G-6 w/ 5 jts. TP @ 3576'. ACDZ perfs w/ 1900 gal 15% Pentol 200 w/ 70Q 1% KCl water f/ diversion. Swb, made 14 runs. Run H-5 - test OK. RTI.

8/06 Well cleaned out to 3,854'. 275' feet of fill cleaned out total. Acidize w/1500 gals 15% NEFE HCl @ 1/2 bpm @ 800 psig. New packer run, tstd each stand of tbg. TCA held 500# for over 30 mins.

Additional Data:

T/Queen Formation @ 3342'

T/Penrose Formation @ 3477'

T/Grayburg Zone 1 @ 3637'

T/Grayburg Zone 2 @ 3672'

T/Grayburg Zone 2A @ 3704'

T/Grayburg Zone 3 @ 3732'

T/Grayburg Zone 4 @ 3766'

T/Grayburg Zone 5 @ 3815'

T/Grayburg Zone 6 @ 3868'

T/San Andres Formation @ 3870'

KB @ 3577'

FILE: EMSU211WB.xls

Updated: 1

5/22/2008

CURRENT WELLBORE DIAGRAM

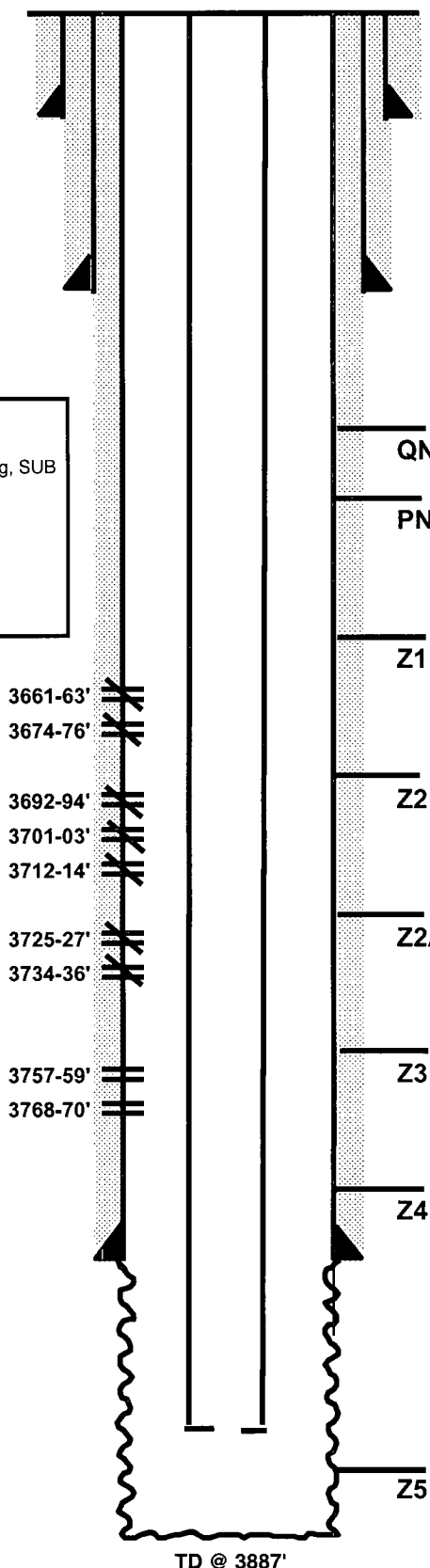
LEASE: EMSU	WELL: 212	FIELD: Eunice-Monument	API: 30-025-04504
LOC: 3258 FNL & 660 FEL, Unit I	SEC: 5	BLK: T21S, R36E	REF NO: FA5646:01
SVY: N.M.P.M.	GL: 3569	CTY/ST: Lea Co., NM	SPUD:
CURRENT STATUS: Producer	KB: 3577	DF:	TD DATE:

12-1/2" OD Surface
 Pipe set @ 252' w/
 200 SX cement
 Cmt Circ.? Yes
 TOC @ surf. by calc.

8-5/8", 26.4# Csg.
 set @ 1358' w/ 400 SX
 Cmt Circ.? Yes
 TOC @ surf. by calc.

Tubing Detail: 4/8/03

118 jts 2 3/8 J-55 IPC tubing, SUB
 pump landed @ 3846'



Date Completed: 12-24-35
Initial Production: NA
Initial Formation: Grayburg Fr: 3798' To: 3887'
Completion Data:
 12/35 Natural OH completion.
Workover History:
 3/43 ACDZ w/ 2000 gals 15% Acid (3837-3887).
 4/48 ACDZ 3840-3887' w/ 50 gals 20%.
 3/51 ACDZ 3840-3887' w/ 500 gals 20%.
 1/56 ACDZ w/ 3000 gals Acid.
 1/57 FRAC 3800-3887' w/ 10,000 gals lease oil & 10,000 # 20/40 sand. CO fill to 3873'.
 12/28/86 Perf 3661-3770' w/ 1/2" hole (2 JHPF), or 36 holes. ACDZ w/ 3000 gals NeFe. ACDZ OH w/ 4000 gal 15% NeFe.
 8/89 Chemical treatment.
 11/3/97 CO well to 3890'. ACDZ perfs 3757-3770' & OH w/ 3000 gals 15% Resisol II w/ 500 gal 70Q GBW. Swb, 13 runs. PB w/ 3500# 20/40 sd to 3752'. Set CIBP @ 3740, pkr @ 3640. Wash sd to 3750'. RIH CIBR, set @ 3604'. SQZD perfs 3661-3736 w/ 300 SX CI C (47 SX in form.) - D/O cmt to 3740'. CO CIBP, wash sd and ream to 3890'. Swb. RIH tag @ 3890'. No fill. Run prod. equipment.
 1/14/00 POH w/ prod equip. Tag PBTD @ 3870'. Worked scrapper 3550'-3660'. RIH w/Inj. Tbg & Pkr. Prk @ 3615. Ran MIT. RTI.
 4/8/03 pull and lay down inj packer. Ran a SUB pump put on production. Producing oil well.

Additional Data:
 T/Queen Formation @ 3344'
 T/Penrose Formation @ 3481'
 T/Grayburg Zone 1 @ 3646'
 T/Grayburg Zone 2 @ 3685'
 T/Grayburg Zone 2A @ 3721'
 T/Grayburg Zone 3 @ 3751'
 T/Grayburg Zone 4 @ 3792'
 T/Grayburg Zone 5 @ 3849'
 T/Grayburg Zone 6 @ 3911'
 T/San Andres Formation @ 3945'
 KB @ 3577'

5-1/2", 17#/ft Csg.
 set @ 3798' w/ 100 SX
 Cmt Circ.? Yes
 TOC @ surf. by calc.

CURRENT WELLBORE DIAGRAM

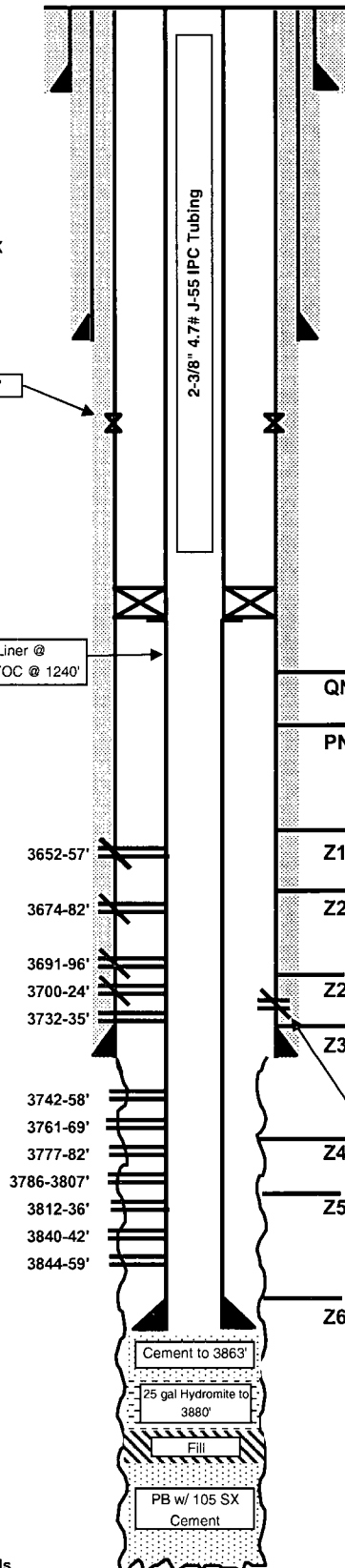
LEASE: EMSU WELL: 228WIC FIELD: Eunice-Monument API: 30-025-04490
 LOC: 3300 FSL & 660 FWL, Unit M SEC: 4 BLK: T21S, R36E REF NO: FA5632:01
 SVY: N.M.P.M. GL: 3582 CTY/ST Lea Co., NM SPUD:
 CURRENT STATUS: Injector KB: 3582 DF: TD DATE:

13", 48# K-55 ST&C
 Surf. Pipe set @ 368'
 w/ 300 SX cement
 Cmt Circ.? Yes
 TOC @ surf. by calc.
 (17-1/4" hole)

9-5/8", 36# K-55 Csg.
 set @ 1300' w/ 450 SX
 Cmt Circ.? Yes
 TOC @ surf. by calc.
 (12-1/4" hole)

Csg was parted @ 1986'

4-1/2" 11.35" K-55 RFC Liner @
 3863' cmt. w/ 400 SX. TOC @ 1240'



Date Completed: 3-15-36
 Initial Prod: F/230 BOPD / 1 BWPD / GOR 16696
 Initial Formation: Grayburg Fr: 3741' To: 3893'
 Completion Data:
 Drilled OH to 4217'. DST 4155-4217' - 3317' sulfur wtr. PB w/ 20 SX cmt to 4135'. Swb well, 4085-4135'. 100% wtr. PB w/ 25 SX cmt to 4035'. DST 3980-4043' rec 36 stands sulfur wtr. PB w/ 30 SX cmt to 3893'. Test Flwg 230 BO/ 1 BW/ 3.84 MMCFGPD.
 Workover History:
 9/36 ACDZ OH w/ 2000 gal - test: 1/185 BO/ 1.5% BS&W/ 735 MCFPD.
 7/50 Install gas lift equip. Tst: 116 BO/ 3 BWPD
 6/53 Install ppg. equip. Tst: 107 BO/ 8 BW/ 124 MCFPD
 1/66 500 gal dump acid. Tst: 28 BO/ 10 BW. B/4 - 5 BO/ 4 BWPD. 6/71 CO fill 3877-3893'. PB w/ 25 gal Hydromite to 3880'. FRAC trtd OH 3741-3880' w/ 14,000 gal Gel & 37,000# sand. Ppd 100% wtr NG (after load mostly recovered showed 194 BW & 46 BLWR). B/4 - 8 BO/ 15 BWPD.
 6/72 Fill @ 3849'. Set CIBP @ 3730'. Dump 2 SX cmt on top. PBTD 3720'. Perf 3700-02' (4 JHPF). ACDZ w/ 1500 gal 15% NeA. Put on prod. Tst 14 BO/ 154 BWPD. Before: 0 BO/ 14 BWPD.
 7/84 Scale treated.
 11/86 XO WH. CO to 3870'. Perf 3715-17 & 3724-26 (2 JHPF). ACDZ new perms w/ 750 gal 15% NeFeA & 8 RCNBs. ACDZ OH 3741-3870' w/ 4000 gal 15% NeFeA in 4 stg w/ GRS as block. Move pkr to 3680'. Swab perf & OH. Swb dry 1 run. Scale sqzd. Put on prod. Test: 7 BO/ 146 BW/ 9 MCFPD, FI@SN.
 3/90 Scale squeezed.
 9/90 Scale squeezed.
 1/92 Log. Perf 3674-82, 3691-96 & 3700-24 (2 JHPF). ACDZ perms & OH w/ 4000 gal 15% NeFeA. Swb 8 runs, rec 3 BW. Find csg parted @ 1986'. Run downhole camera. Ran 4.5" 11.35# K-55 RFC liner to 3863'. Cmt w/ 400 SX cmt. TOC @ 1240'. Do cmt to 3863'. Perf 3844-59, 3840-42, 3812-36, 3786-3807 & 3777-82 (2 JHPF). ACDZ w/ 4500 gal 15% NeFeA in 5 stgs w/ GRS as block. Swb 72 BW. Perf 3761-69, 3742-58, 3732-35, 3700-24, 3691-96, 3674-82 & 3652-57 (2 JHPF). ACDZ w/ 4500 gal 15% NeFeA in 4 stg w/ GRS as block. Swb 48 BW. GIH w/ Guilb UNI-IV 4.5" pkr on 2-3/8" IPC tbg. Set pkr @ 3581'. Put on inj. Test 1264 BWPD @ 0 psig.
 6/97 SQZD perms fr 3652-3724' w/ 120 SX Cl C; ACDZ w/ 3000 gal Resisol II foamed w/ N2 (50Q-70Q).
 Additional Data:
 T/Queen Formation @ 3341'
 T/Penrose Formation @ 3477'
 T/Grayburg Zone 1 @ 3639'
 T/Grayburg Zone 2 @ 3676'
 T/Grayburg Zone 2A @ 3702'
 T/Grayburg Zone 3 @ 3733'
 T/Grayburg Zone 4 @ 3776'
 T/Grayburg Zone 5 @ 3820'
 T/Grayburg Zone 6 @ 3866'
 T/San Andres Formation @ 3885'
 KB @ 3582'

3724-26' behind liner (SQZD)

7", 24#/ft K-55 Csg.
 set @ 3741' w/ 500 SX
 Cmt Circ.? No
 TOC @ 405' by calc.
 (8-5/8" hole)

PBTD @ 3863'
 TD @ 4217'

FILE: EMSU228WB.xls
 DKTS: 05/22/08

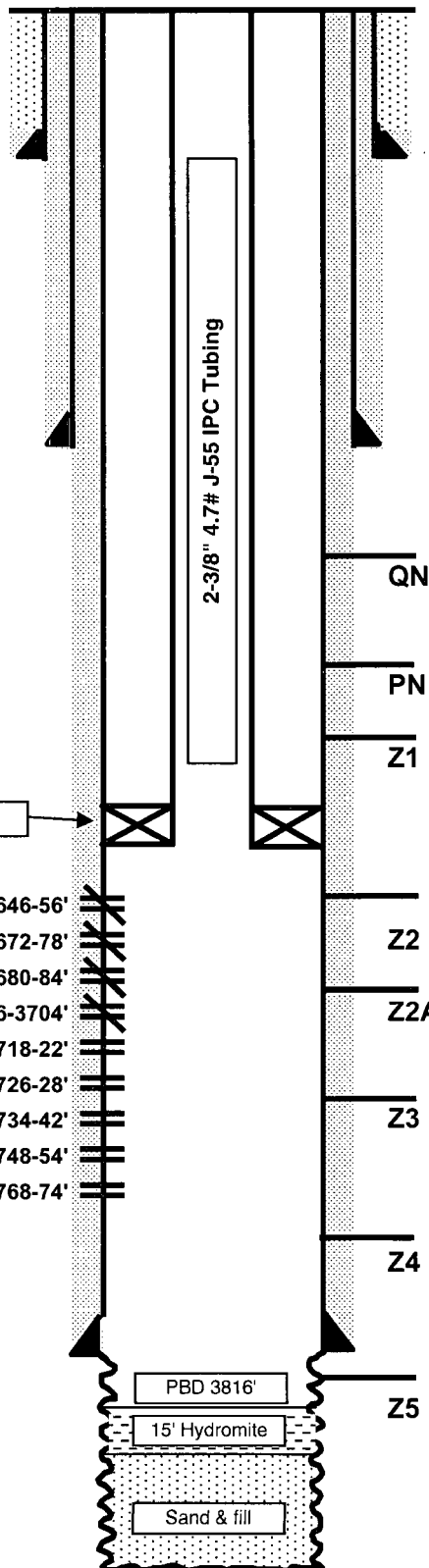
CURRENT WELLBORE DIAGRAM

LEASE: EMSU	WELL: 229WIC	FIELD: Eunice-Monument	API: 30-025-04467
LOC: 3300 FSL & 1980 FWL	SEC: 4	BLK: T21S, R36E	REF NO: FA5609:01
SVY: N.M.P.M.	GL: 3567	CTY/ST: Lea Co., NM	SPUD:
CURRENT STATUS: Injector	KB: 3567	DF:	TD DATE:

10-3/4", 40.5# K-55 Csg.
set @ 311' w/ 200 SX
Cmt Circ.? Yes
TOC @ surf. by calc.

7-5/8", 26.4# K-55 Csg.
set @ 2582' w/ 900 SX
Cmt Circ.? Yes
TOC @ surf. by calc.

5-1/2", 17#/ft K-55 Csg.
set @ 3782' w/ 150 SX
Cmt Circ.? No
TOC @ 2122' by calc.



Date Completed: 4-16-36

Initial Prod: NA

Initial Formation: Grayburg Fr: 3782' To: 3864'

Completion Data:

DST 3750-3785' showed 200' drilling fluid and 155 MCF gas.
Completed OH naturally.

Workover History:

9/46 ACDZ w/ 4000 gal 20% Acid.

2/7/50 PI test. SIBHP=428 psi. Flwg BHP=195 psi. Flowrate = 58 BOPD. PI=0.249

3/53 Install flow valves & ACDZ 500 gal. Test 19 BO/ 0 BW/ 20 MCF.

6/57 Install ppg. equip. Test 25 BO/ 26 BW/ 25 MCFPD.

7/57 SQZD csg lk @ 860-1034' w/ 200 SX. Co & return to prod. Tst 25 BO/ 24 BW/ ETSTM 22 hrs. FL=239'.

6/76 SS OH w/ 700 grain SS. Reshoot w/ 70', 1000 grain. CO to TD. Scale squad - test: 7 BO/ 19 BW/ 21.3 MCFPD.

10/86 XO WH. CO to TD. Run logs. Logger TD=3857'. ACDZ OH w/ 4000 gal 15% NeFeA in 4 stg w/ GRS as block. Swb 15 BBL wtr & dry. GIH w/ Baker TSN on 2-3/8" IPC tbg. Set pkr @ 3722'. Put on inj. Test 681 BWIPD @ 0 psig.

9/89 Tag @ 3850'. Perf 3646-56, 3672-78, 3680-84, 3696-3704, 3718-22, 3726-28 & 3734-42 (2 JHPF). Spotted sd f/ 3841-3829'.

Capped w/ 15' Hydromite to 3814'. Set CIBP @ 3755' cap w/ 5' cmt. ACDZ perfs w/ 1000 gal 15% NeFeA & 100 RCNBs. Swb 35 BW EFL=3400', ONFe=100'. D/O CIBP @ 3755'. CO to 3816'. GIH w/ inj. pkr. on 2-3/8" IPC tbg. Set pkr @ 3631'. Resume inj @ 936 BWIPD @ 87 psig. B/4 - 504 BWIPD @ 600 psig.

7/23/96 ACDZ w/ 4000 gal acid.

5/16/97 SQZD perfs fr 3646-3704' w/ 64 SX Cl C; perf 3768-74' & 3748-54' (3 JHPF). ACDZ perfs 3718-74' & OH w/ 3000 gal Resisol II foamed w/ N2 (50Q-70Q).

Additional Data:

T/Queen Formation @ 3324'

T/Penrose Formation @ 3452'

T/Grayburg Zone 1 @ 3617'

T/Grayburg Zone 2 @ 3656'

T/Grayburg Zone 2A @ 3679'

T/Grayburg Zone 3 @ 3713'

T/Grayburg Zone 4 @ 3744'

T/Grayburg Zone 5 @ 3790'

T/Grayburg Zone 6 @ 3856'

T/San Andres Formation @ 3857'

KB @ 3567'

PBTD @ 3816'

TD @ 3864'

10/9/2008



WELL DATA SHEET

LEASE: EMSU
 LOC: 3300' F S L & 1980' F E L
 TOWNSHIP: 21S
 RANGE: 36E UNIT: O
 WELL: 230
 SEC: 4
 CNTY: Lea
 ST: N.M.

FORM: Grayburg / San Andres
 GL: 3564
 KB:
 DF:

DATE:
 STATUS: TA'd
 API NO: 30-025-04478
 CHEVNO: FA5620:01

Date Completed: 5/1/1936
 Initial Production: 2208 BOPD / 0 BWPD / GOR 720
 Initial Formation: Grayburg
 FROM: 3743' to 3852'

Completion Data

Natural OH completion.

Subsequent Workover or Reconditioning:

11/54 Install ppg. equipment.
 3/83 CO to TD. String shut OH w/ 700 grains prima cord. CO to TD. ACDZ OH in 2 stages w/ 4200 gal 15% NeFeA. Chem sqzd OH. Test 7 BO/ 55 BW/ 19 MCFPD. B/4 - 3 BO/ 20 BW/ 71 MCFPD.
 4/85 Chem sqzd OH.
 5/86 Chem sqzd OH.
 1/87 CO WH. Tag @ 3838'. ACDZ OH w/ 4000 gal 15% NeFeA in 4 stages. Put back on prod. Test (off rpt 8/7/87) - 1 BO/96 BW/ 2.8 MCF, FL=116' ASN. B/4 - 3 BO/ 41 BW/ 2.2 MCFPD.
 2/88 Chem sqzd OH.
 9/88 Chem sqzd OH.
 8/89 Tag @ 3836'. PB OH w/ 6 SX 12/20 sd. Perf (Z1-Z3) 3622-26, 3668-76 & 3680-98 (2 JHPF). tag sd @ 3806'. Dump Hydromite (600#) to new PBTD of 3801'. PB w/ Hydromite to 3791'. ACDZ perfs w/ 1500 gal 15% NeFeA & 75 RCNBs. Swb dry. Put on prod. Test 1 BO/ 411 BW/ 3 MCFPD - FL @ 280' ASN. B/4 - 5 BO/ 430 BW/ 5 MCF - complete after unsuccessful attempt to shut off wtr.
 11/89 Prod log indicates 57% of wtr is fr below 3799'. Capacity indicates bottom oil entry @ 3790'.
 3/90 CO to 3806'. Set OH pkr @ 3790' (est. inj rate 3 BPM @ 1000 psi - no comm.) Poly trt OH 3790' and below w/ 125 BBL polymer to final press. 3310 BHP. Let poly set up. POH w/ OH pkr. Put well on prod. Tst: 1 BO/ 469 BW/ 1 MCF. FL=118' ASN. B/4 test: 1 BO/ 510 BW/ 3 MCFPD.
 5/90 CO fill 3793-3812'. Set infl. pkr @ 3790'. Could not pump below pkr (up to 2500 psi) - no comm. Put on pump. Tst 6/5/90: 5 BO/ 530 BW/ 3 MCF. FL=333'ASN. Ran prod. log 6/6/90 - shows 100% of fluid fr 3742-60'. Took off rpt on 8/14/90 @ 1 BO/ 520 BW/ 3 MCF. FL=284'. B/4 test: 1 BO/ 487 BW/ 2 MCF.
 6/92 Shut-In well.
 7/93 Junk in hole - attempt to recover 7.1 MA JT & Baker pkr. Set CIBP @ 3725'. ACDZ perfs 3622-3698' w/ 40 bbl 15%. Swb 23 bbl, then 1 bbl. SN @ 3696'. Tst: B-3 BO/ 53 BW/ 3 MCF. A-1 BO/ 32 BW/ 3 MCF. FL=11 ASN.
 8/9/98 TA'd - Set CIBP @ 3570' w/ 35' cmt on top

Additional Data:

T/Queen Formation @ 3308'
 T/Penrose Formation @ 3444'
 T/Grayburg Zone 1 @ 3613'
 T/Grayburg Zone 2 @ 3648'
 T/Grayburg Zone 2A @ 3678'
 T/Grayburg Zone 3 @ 3702'
 T/Grayburg Zone 4 @ 3736'
 T/Grayburg Zone 5 @ 3780'
 T/Grayburg Zone 6 @ 3831'
 T/San Andres Formation @ 3840'

Current

Inj. _____ bwpd @ _____ psi Date: _____
 Prod. _____ bopd _____ bwpd Date: _____
 Gas _____ mcfpd

10-3/4" OD 40#
 # CSG
 Set @ 313' W/ 200 SX
 Cmt circ.? yes
 TOC @ 0 by calc.

7-5/8" OD 26.4#
 # CSG
 Set @ 1687' W/ 400 SX
 Cmt circ.? yes
 TOC @ 0 by calc.

5-1/2" OD 17#
 # CSG J-55 Gr.
 Set @ 3743' W/ 400 SX
 Cmt circ.? Yes
 TOC @ 0 by calc.

4-1/4" Baker Single-set PIP.
 Top @ 3778', bottom of
 element 3790'

4-3/4" OH

PBD: 3798'
 TD: 3852'

Hydromite &
 sand to 3812'

Chevron



WELLBORE DIAGRAM

LEASE: EMSU	WELL: 458	FIELD: Eunice-Monument	API: 30-025-29618
LOC: 2640' FNL & 1305 FEL,	SEC: 4	BLK: T21S, R36E	
SVY: N.M.P.M.	GL: 3540	CTY/ST: Lea / NM	SPUD: 05/03/086
CURRENT STATUS: WS	KB: 17'	DF: 16'	

16", 65# H-40 csg
set @ 332'
600 sx cmt
Cmt Circ? Yes
TOC @ Surf by Circ
250 sxs.

11-3/4", 47#, K-55 csg
Set @ 2549'
1050 sx cl "C" cmt.
Cmt Circ? Yes 190 sx)
TOC @ surf. by circ.

DV TOOL @ 4035'

Perfs: 4058-4866'

DV Tool @ 3847'

FC @ 4956'

3 1/2", IPC, J55
SD/9000 ESP
275 HP
@ 2038'

PBD @ 4956'
TD @ 5000'

Date Completed: 05/23/86

Initial Formation: San Andres From: 4056' To: 4866'

Completion Data:

05/03/86 Drill to 3646'. Core 3630'-3918' w/ 5 core barrels. Ream 3500'-3918' & drill to 5000'. Log SCHL LDT-CNL-EPT, DLL MSFL & RFT (log'r TD @ 4999') Ran 8 5/8" csg. DO cmt. & DV Tool. Tag FC @ 4956'.

10/09/86 Perf (SA) 4056'-4866' w/ tti 155 holes. RBP @ 4933'. Acd'z 4416'-4871' w/ 9000 gals 15% nefe. Good block action. Swb Ran Submersible pump & shoot FL. Put well on production.

Workover History:

02/29/89 Repair sub pump & replace 30 jts 4 1/2" csg. Test pmp 14400 BWPd, RWTP.

12/228/90 Repair motor & pmp and replace 55 joints 4 1/2" csg. Test pmp 13536 BWPd.

02/26/08 POOH w/ ESP. Run new ESP, Motor & Cable. RWTP.

8-5/8", 32#, K-55 csg
set @ 5000' w/ 1215 SX Cl "C"
Cmt in 2 stg's.

10/9/2008

CURRENT WELLBORE DIAGRAM

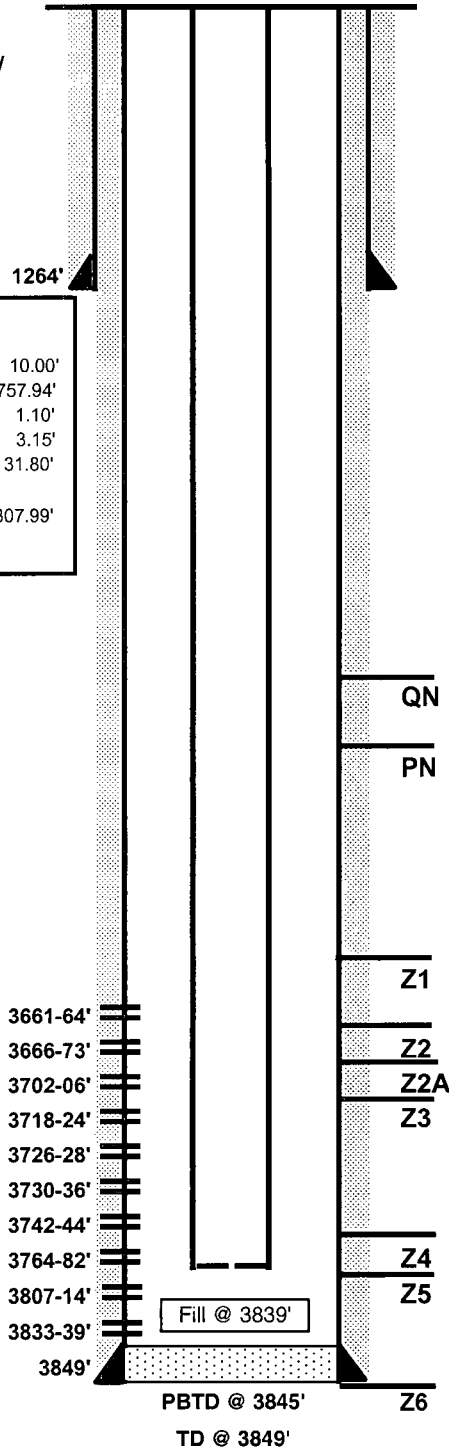
LEASE: EMSU	WELL: 609	FIELD: Eunice-Monument	API: 30-025-31406
LOC: 1260 FWL & 4050 FSL, Unit L	SEC: 4	BLK: T21S, R36E	REF NO: KZ3276:01
SVY: N.M.P.M.	GL: 3564	CTY/ST: Lea Co., NM	SPUD: 11/26/1991
CURRENT STATUS: Producer	KB: 3574	DF:	TD DATE:

8-5/8", 23#/ft M-50
Surf. Pipe set @ 1264' w/
799 SX cement
Cmt Circ.? Yes
TOC @ surf. by calc.
(12-1/4" hole)

Tubing Detail: 1/4/94

KBTH:	10.00'
122 Jts. 2-7/8" 6.5# J-55:	3757.94'
1 API SN	1.10'
1 Perf Sub	3.15'
1 MJ-W / BPOB	31.80'
Landed @	3807.99'

5.5", 15.5#/ft K-55 Csg.
set @ 3849' w/ 675 SX
Cmt Circ.? Yes
TOC @ surf. by calc.
(7-7/8" hole)



Date Completed: 1-13-92

Initial Prod: 120 BOPD/ 270 BWPD/ GOR 250

Initial Formation: Grayburg From: 3661' To: 3839'

Completion Data:

Drill out to 3845' (PBD). Perf 3764-82, 3807-14 & 3833-39 (2 JHPF). Swb 3 BF, 25% OC. ACDZ w/ 3000 gal 15% NeFeA & 105 RCNBs. Swb 61 Bbls - trace oil. Circ. ball sealers out. Swb 67 Bbls, 2% oil. 48 BW. Swb 13 BO/ 48 BW. Straddle Zn 5 only 3833-39. Swb 115 BF - 1% oil. Swb 3764-82. Rec 55 Bbls - 2% oil. Swb 14 BO/ 86 BW. IFL=60%, FFC=2%. Perf 3661-64', 3666-73, 3702-06, 3718-24, 3726-28, 3730-36 & 3742-44 (2 JHPF). ACDZ 3702-3744 w/ 1750 gal 15% NeFeA & 84 RCNBs. Swb 45 BO/ 29 BW. Put well on prod.

Workover History:

1/94 Fill @ 3839' (6' fill). ACDZ perms 3661-3839 w/ 2500 gal 15%. Swab 115 bbls. SN @ 3773'. TST: B-48 BO/ 155 BW/ 4 MCF. A-47 BO/ 211 BW/ 4 MCF. FL=0' ASN.

5/95 Tag @ 3841'. Pickle tbq. ACDZ w/ 4000 gals Resisol II in 4 stages. RIH w/ PE Test A - 41 BO/ 573 BW/ 13 MCF, B - 20 BO/ 176 BW/ 2 MCF.

04/07 Chg'd sheave & slowed well dwn to 6.38 SPM

Additional Data:

T/Queen Formation @ 3336'
T/Penrose Formation @ 3469'
T/Grayburg Zone 1 @ 3634'
T/Grayburg Zone 2 @ 3671'
T/Grayburg Zone 2A @ 3695'
T/Grayburg Zone 3 @ 3723'
T/Grayburg Zone 4 @ 3757'
T/Grayburg Zone 5 @ 3802'
T/Grayburg Zone 6 @ 3847'
T/San Andres Formation @ 3849'
KB @ 3574'

Tubing Detail: 1/4/94

1 Polished Rod
1 2.5" X 2" X 20' Insert Pump
1 7/8" X 4' Sub
88 3/4" X 25' N-97 Rods
61 7/8" X 25' Rods

10/9/2008

CURRENT WELLBORE DIAGRAM

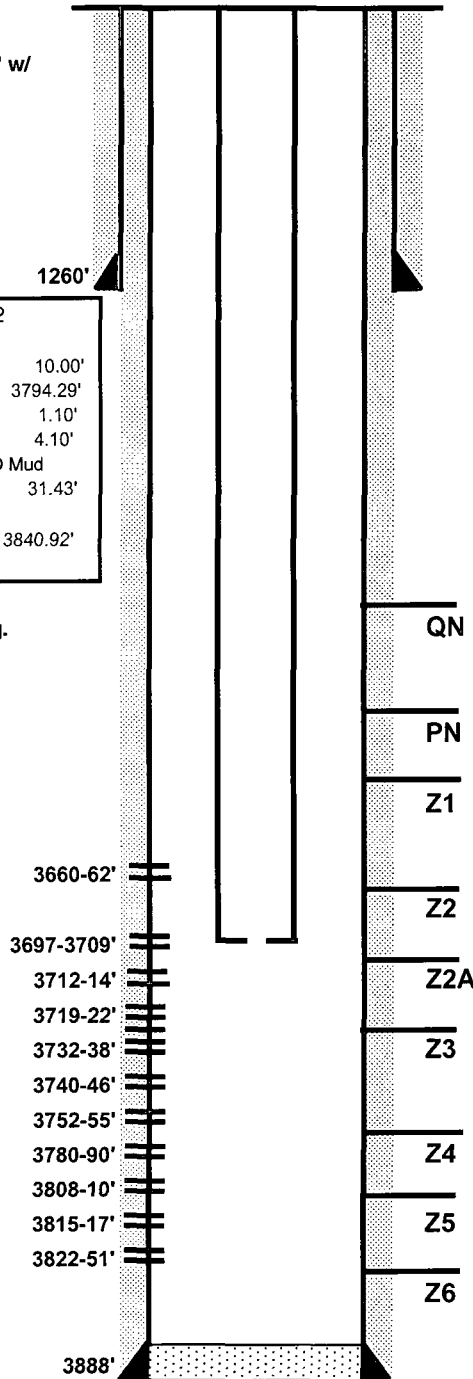
LEASE: EMSU	WELL: 610	FIELD: Eunice-Monument	API: 30-025-31407
LOC: 180 FEL & 3820 FSL, Unit P	SEC: 5	BLK: T21S, R36E	REF NO: KZ3277:01
SVY: N.M.P.M.	GL: 3575	CTY/ST: Lea Co., NM	SPUD: 12/5/1991
CURRENT STATUS: Producer	KB: 3586	DF:	TD DATE:

8-5/8", 23#/ft M-50
Surf. Pipe set @ 1260' w/
800 SX cement
Cmt Circ.? Yes
TOC @ surf. by circ.
(12-1/4" hole)

Tubing Detail: 1/6/92

KBTH: 10.00'
123 Jts. 2-7/8" 6.5# J-55: 3794.29'
2-7/8" API SN: 1.10'
2-7/8" Perfed Sub: 4.10'
1 Jt. 2-7/8" 6.5# J-55 8RD Mud
Anchor w/ Bull Plug 31.43'
Landed @ 3840.92'

5.5", 15.5#/ft K-55 Csg.
set @ 3888' w/ 750 SX
Cmt Circ.? Yes
TOC @ surf. by circ.
(7-7/8" hole)



Date Completed: 1-25-92

Initial Prod: 8 BOPD/ 148 BWPD/ GOR 500

Initial Formation: Grayburg From: 3660' To: 3851'

Completion Data:

Drill out to 3873' (PBTD). Perf 3780-90, 3808-10, 3815-17 & 3822-51 (1 JHPF). ACDZ w/ 3000 gal 15% NeFeA & 80 RCNBs. Swb 55 BW & 87 BF. IFC=2% oil, FFC=1% oil. Perf 3660-62, 3697-3709, 3712-14, 3719-22, 3732-38, 3740-46 & 3752-55 (2 JHPF). ACDZ w/ 3750 gal 15% NeFeA & 110 RCNBs. Swb 55 BW & 96 BF. IFC=50% oil FFC=1% oil. Swb 1 BO/ 1 BW. Isolate 3697-3755'. Swb 60 BF, IFC=2% oil, FFC=1% oil. Put well on prod.

Workover History:

3/95 9 BO/ 510 BW/ 5 MCF, FL=62' ASN

Additional Data:

T/Queen Formation @ 3338'
T/Penrose Formation @ 3471'
T/Grayburg Zone 1 @ 3625'
T/Grayburg Zone 2 @ 3664'
T/Grayburg Zone 2A @ 3698'
T/Grayburg Zone 3 @ 3728'
T/Grayburg Zone 4 @ 3762'
T/Grayburg Zone 5 @ 3809'
T/Grayburg Zone 6 @ 3856'
T/San Andres Formation @ 3858'
KB @ 3586'

Tubing Detail:

NO ROD DETAIL

FILE: EMSU625WB.xls

DKTS: 10/31/98

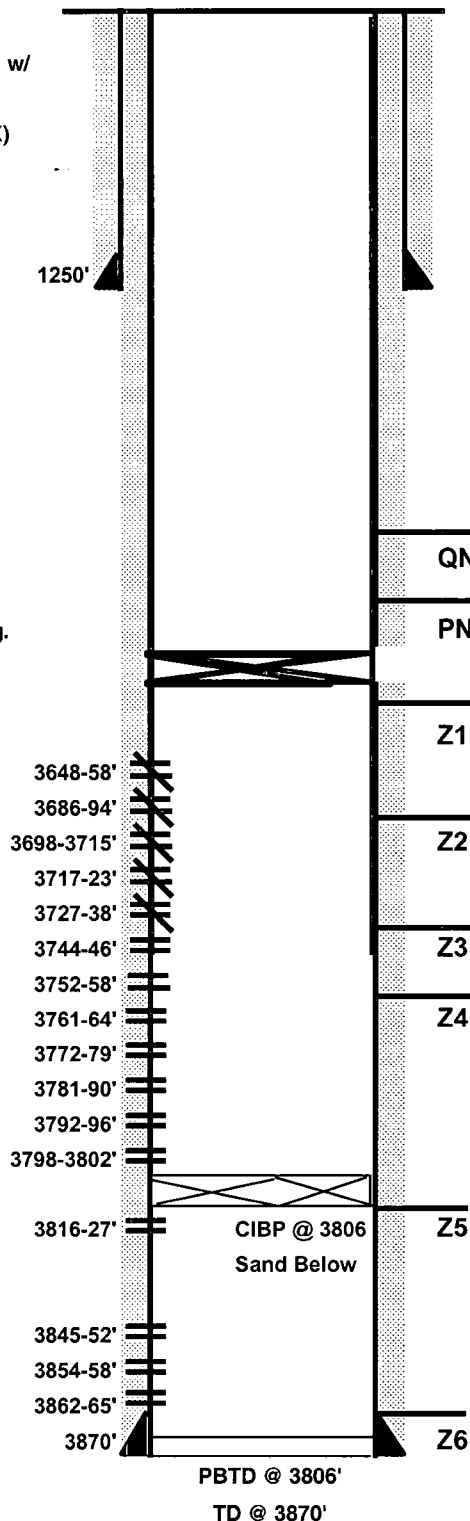
10/9/2008

UPDATED WELLBORE DIAGRAM

LEASE: EMSU	WELL: 626	FIELD: Eunice-Monument	API: 30-025-31465
LOC: 1630 FWL & 2650 FSL, Unit N	SEC: 4	BLK: T21S, R36E	REF NO: KZ3315:01
SVY: N.M.P.M.	GL: 3579	CTY/ST: Lea Co., NM	SPUD: 12/11/1991
CURRENT STATUS: TA'd Producer	KB: 3589	DF:	TD DATE: 12/18/1991

8-5/8", 23#/ft M-50
Surf. Pipe set @ 1250' w/
800 SX cement
Cmt Circ.? Yes (81 SX)
(12-1/4" hole)

5.5", 15.5#/ft K-55 Csg.
set @ 3870' w/ 825 SX
Cmt Circ.? Yes
Circ. 106 SX to surf.
(7-7/8" hole)



Drilled as a 20-acre infill well

Date Completed: 1-15-92

Initial Prod: 54 BOPD/ 395 BWPD/ 20 MCFGPD

Initial Formation: Grayburg From: 3648' To: 3865'

Completion Data:

Drill out to 3868' (PBD). Perf 3845-52, 3854-58 & 3862-65 (2 JHPF). ACDZ w/ 1000 gal 15% NeFeA & RCNBs. AIR 2 BPM @ 1000 psi, Swb 63 BW. Swb 2 BO/ 98 BW/ FFeR=20 BPH.

Perf 3816-27 (2 SPF), set RBP @ 3836', Swab test perfs (3816-27), FFeR 22 BPH w/ FL staying 2500 FFS, Next Day - 18 BPH entry rate with 1% oil cut, FFL 2700 FFS, Set RBP @ 3805'

Perf 3752-58, 3761-6, 3772-79, 3781-90, 3792-96, 3798-3802 (2 JHPF). ACDZ w/ 3600 gal 15% NeFeA & 140 RCNBs. AIR 4-5 BPM @ 1100 psi, ISIP 500, 5 min vac

Swb 49 BF, IFC=0% oil. FFC=2% oil, Next Day -swb 9 BO/ 36 BW. FFeR=25 BPH. IFL 2300', FFL 2600, Set RBP @ 3742'

Perf 3648-58, 3686-94, 3698-3715, 3717-23 & 3727-38 (1 JHPF). ACDZ w/ 3600 gal 15% NeFeA & 96 RCNBs. AIR 4 BPM @ 1000 psi, Swb 163 BF. IFC=0% oil, FFC=2% oil. Swb 22 BF, IFC=60% oil, FFC=2% oil. Isolate 3686-3738. Swb 159 BF, IFC=2% oil. FFC=trace oil. Swb 5 BF, IFC=75% oil. Isolate 3648-58, swb 72 BF, 2% oil cut. FFeR=19 BPH. Put on prod.

Workover History:

12/96 Spot 2100# sand f/ 3699-3868. Set CIBP @ 3585. Cmt w/ 175 SX (115 SX in formation). D/O CIBP & cmt to 3800. CO sand to 3868.

7/2/98 Dump 1250# from 3807-3868, Set CIBP @ 3806' & perf 3744-46' (3 SPF). ACDZ 3744-3806' w/ 3000 gal 15% S-3000 w/ 70Q 1% KCl foamed w/ N2. AIR 3-4 BPM @ 1500-1680 psi, Swab 2% OC w/ FFL @ 2600'

Spot 1600# sand to PB to 3742'. Set CIBP @ 3741', Set CIBP @ 3547'. ACDZ 3648-3740 w/ 1000 gal 15% 90/10 NeHCl. SQZD 3648-3738' w/ 300 SX CI C cement foamed w/ 175 SCF/B N2 (68 SX in form.). DO CIBP to 3765' (no cmt below CIBP), wash sd to 3804' Circ. clean. Swb. Run PE. RTP.

09/2007 Set CIBP @ 3600, fill up Csg w/ pkr fluid, Well TA'd

Additional Data:

T/Queen Formation @ 3341'

T/Penrose Formation @ 3472'

T/Grayburg Zone 1 @ 3635'

T/Grayburg Zone 2 @ 3673'

T/Grayburg Zone 2A @ 3698'

T/Grayburg Zone 3 @ 3731'

T/Grayburg Zone 4 @ 3764'

T/Grayburg Zone 5 @ 3809'

T/Grayburg Zone 6 @ 3859'

T/San Andres Formation @ 3860'

KB @ 3589'

10/9/2008

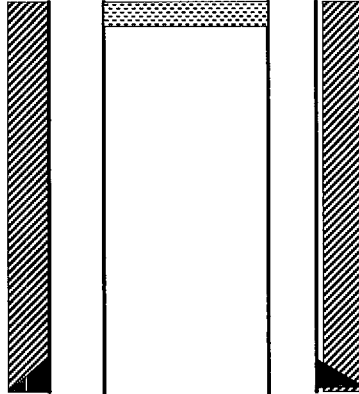
H T ORCUTT NCT-B #14

API # 30-025-34344

1500' FNL & 725' FWL, SEC: 4
T-21S, R-36E, LEA CO. NM,

P & A'D

PLUG @ 3'-33' W/ 4
CU/FT ZONITE



FW/ SHOE PLUG @
452'-565' W/ 15' CU/FT
ZONITE

8-5/8" CSG SET @ 515' W/ 300 SX, CIRC.

PLUG @ 1121'-1229'
W/ 14' CU/FT ZONITE

PLUG @ 2838'-2950'
W/ 14' CU/FT ZONITE

TD: 3630'

5-1/2" CSG SET @ 3630' W/ 700 SX CMT.

MEYER B-4 # 20

API # 30-025-04481

5470' FSL & 1980' FEL, SEC: 4
T-21S, R-36E, LEA CO. NM,

P & A'D

PERF @ 350' SQZ W/ 90
SX TO SURF.

PERF @ 1380 SET CMT
RET @ 1280' SQZ 30 SX
IN PERF

8-5/8", 24#, CSG SET @ 1330' W/ 450 SX

25 SX CMT PLUG F/
2350'-2600'

25 SX CMT PLUG F/
4500'-4750'

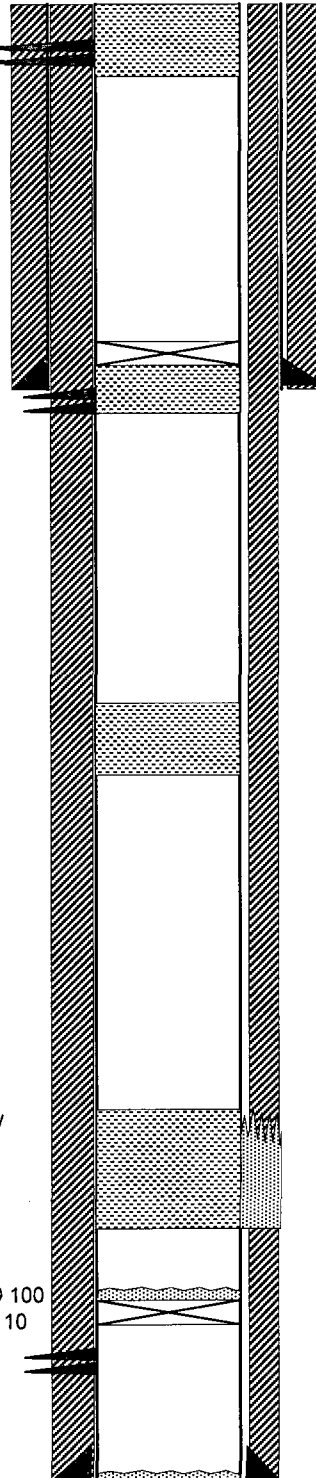
SQZ'D CSG LEAK F/
4510'-4770' W/ 220 SX

SQZ'D CSG LEAK F/
4607'-4671' W/ 230 SX

CMT RET @ 5250', SQZ'D 100
SX IN PERFS 5900'20' W/ 10
SX ON TOP.

5-1/2", 14# CSG SET @ 6271' W/ 720 SX CMT.

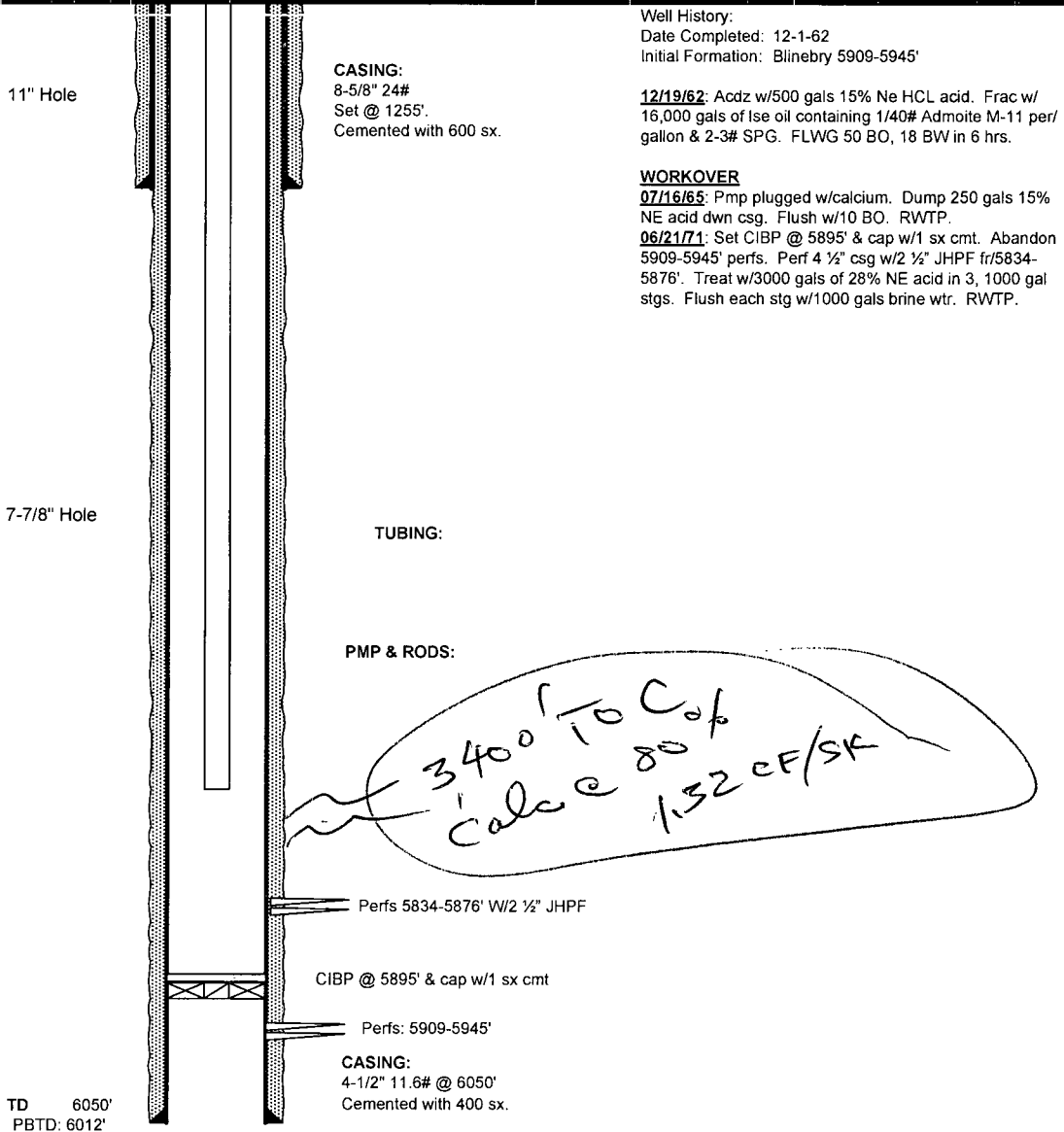
TD: 6271'



XTO ENERGY

Well: Bell-Ramsay NCT A #12
Location: Section 4-21S-R36E
2217' FNL & 990' FWL
County: Lea
Elevation: 3556' GL

WI:
NRI:
Spud: 11/20/62
State: New Mexico
API #: 30-025-



PREPARED BY: D. Callier

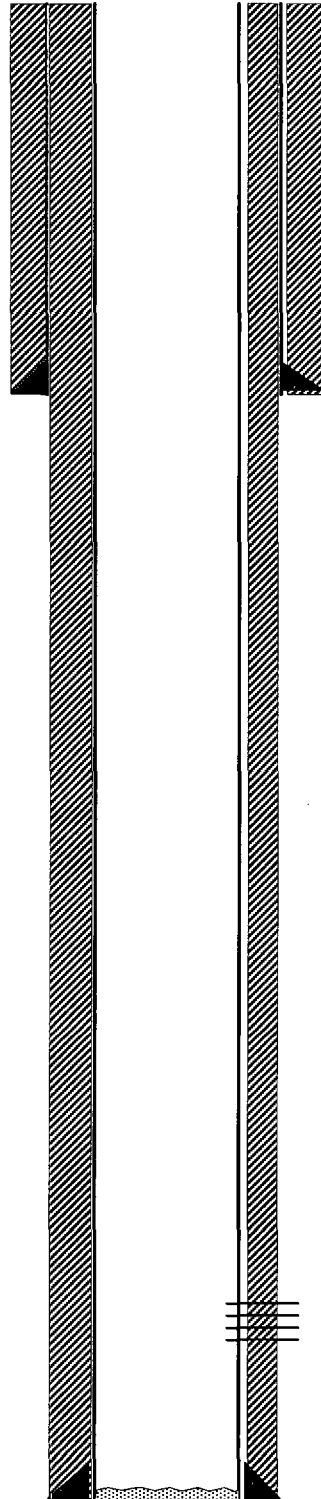
DATE: 5/1/06

MEYER B-4 # 33

API # 30-025-35884

13430' FNL & 1750' FEL, SEC: 4
T-21S, R-36E, LEA CO. NM,

ACTIVE



8-5/8", 24# CSG SET @ 1326' W/ 50 SX

UPPER STRAWN- 8001'-8078'

STRAWN - 8280'-8470'

5-1/2", 17# CSG SET @ 8790' W/ 1001 SX CMT.

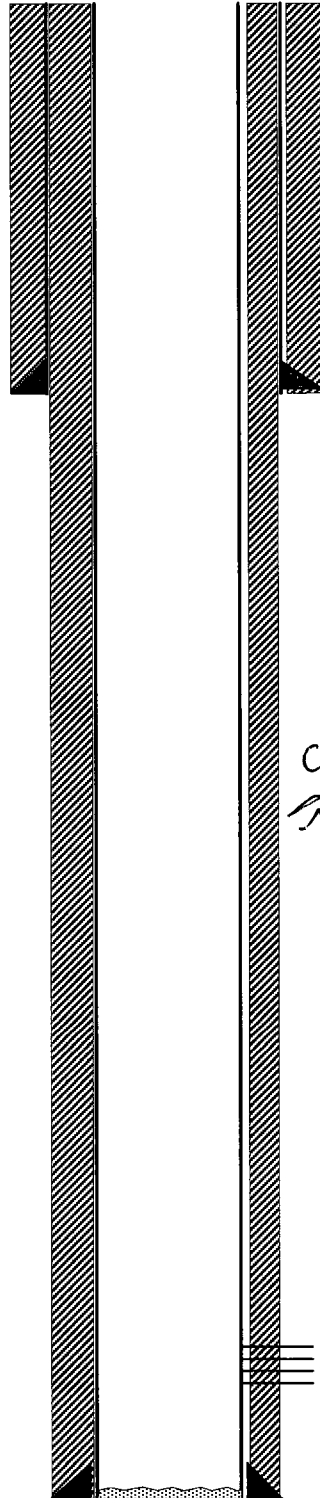
TD: 8790'

MEYER B-4 # 22

API # 30-025-04483

3450' FNL & 1980' FWL, SEC: 4
T-21S, R-36E, LEA CO. NM,

ACTIVE



8-5/8", 24# CSG SET @ 1257' W/ 600 SX

CMT TOP
~ 2,100' @ 80% 1,32 CF/SK

PERFS: 5909'-5938'

5-1/2", 14# CSG SET @ 6350' W/ 420 SX CMT.

TD: 6350'

Meyer B-4 #15

Operator: Conoco Phillips Company ✓

API No.: 30-0254475

Location: 7260' FSL & 3300' FEL, Sec 4 T-21S- R-36E

10 3/4" Csg set @ 312'.
Cmt w/ 225 sx.
Circ cmt = ?
TOC is unknown.

7 5/8" Csg set @
1242'. Cmt w/ 425 sx.
Circ cmt = ?
TOC is unknown.

5 1/2" Csg set @ 3738'.
Cmt w/ 425 sx.
Circ cmt = ?
TOC is unknown.

Perf Yates/ 7 RVRS Zone 12-08-93:

2665', 80', 88', 94', 2725', 28', 57', 61', 89',
2804', 25', 32', 49', 61', 81', 2944', 57', 67',
88', 3027', 39', 69', 92', 3111', 25', 31', 50',
58', 67', 82' & 3202'.

Perf Queen Zone 12-08-93:

3313', 15', 20', 27', 35', 39', 57', 61', 68', 71',
77', 3405', 06', 10', 35', 65', 69', 72', & 97'.

Perf Eumont/ Queen Gas Zone 07-10-80:

3319', 30', 35', 49', 57', 72', 82', 92', 3403',
10', 15', 44', 62', 78', 82', 87' & 93'.

PBTD: ?
TD: 3857'

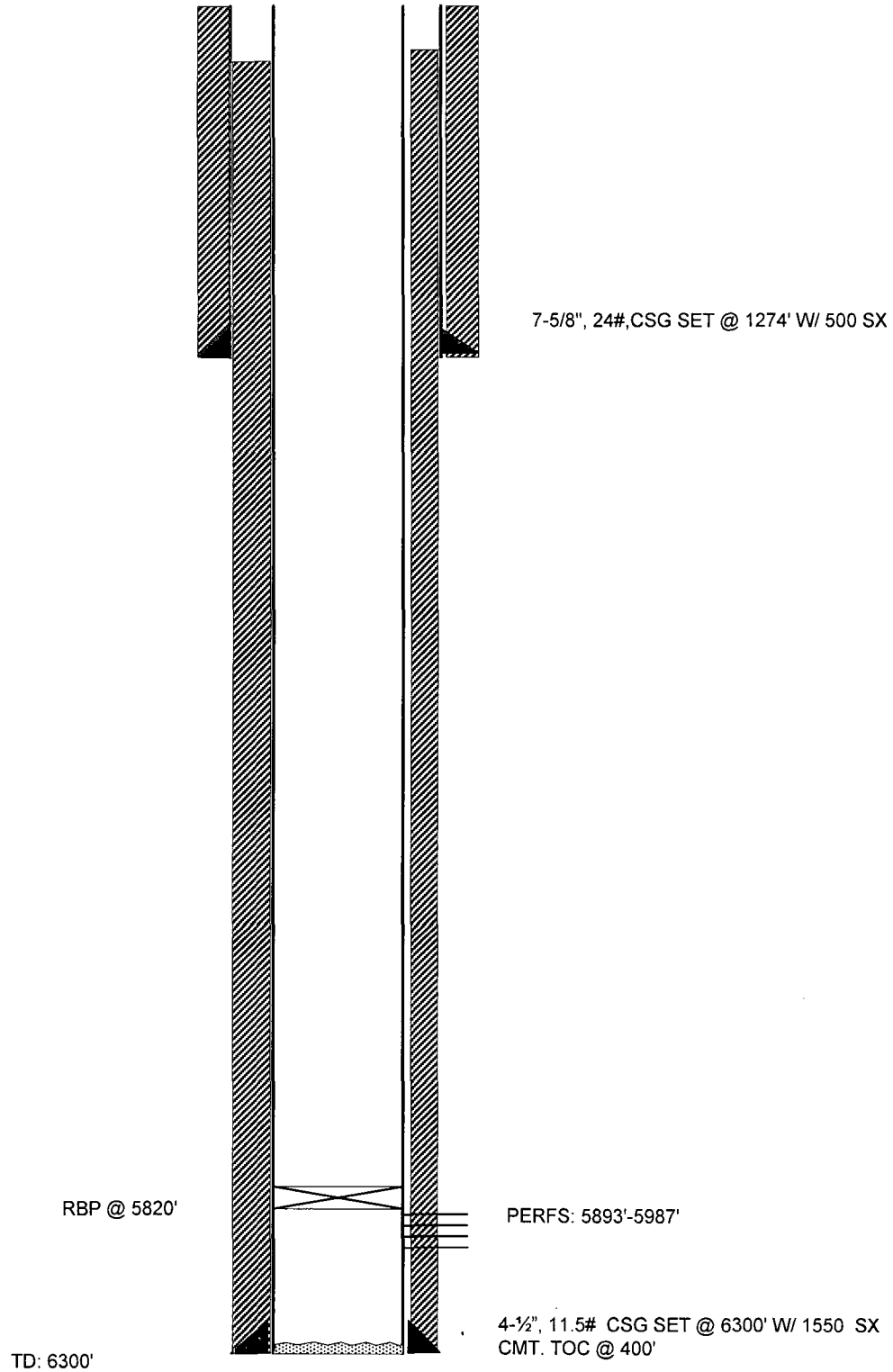
3620 CIBP

MEYER B-4 # 25

API # 30-025-20221

2130' FSL & 1980' FWL, SEC: 4
T-21S, R-36E, LEA CO. NM,

TA'D

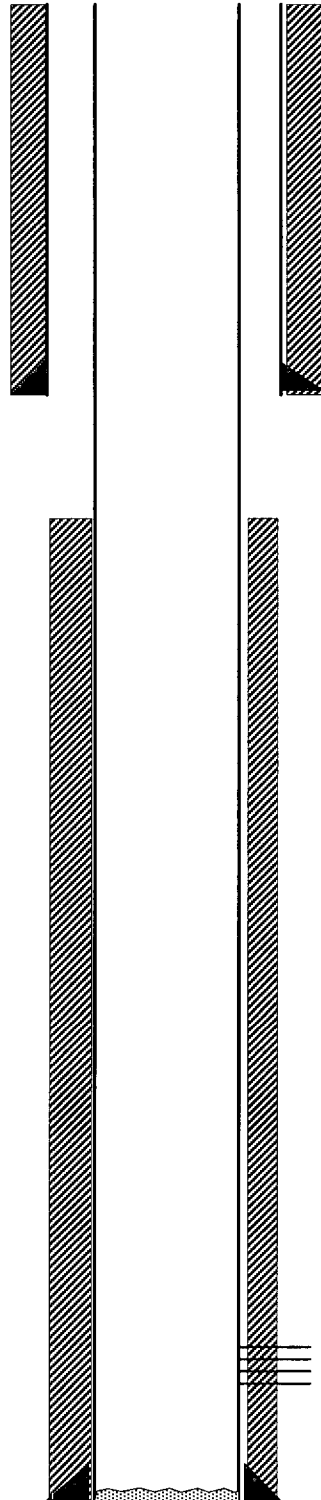


MEYER B-4 # 26

API # 30-025-04486

6930' FSL & 1980' FWL, SEC: 4
T-21S, R-36E, LEA CO. NM,

ACTIVE



7-5/8", 24#, CSG SET @ 1215' W/ 500 SX

PERFS: 5898'-5915'

TD: 6040'

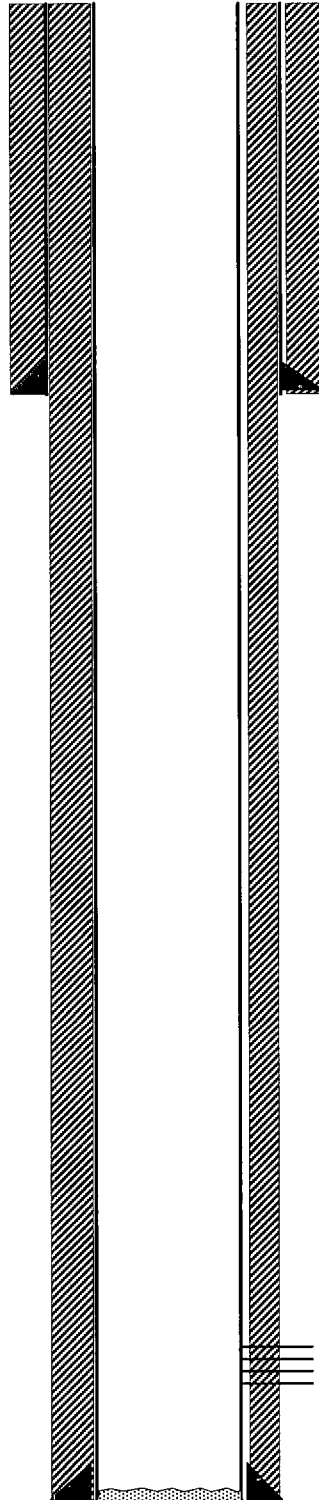
4-1/2", 11.6# CSG SET @ 6040' W/ 900 SX
CMT. TOC @ 2550'

MEYER B-4 # 31

API # 30-025-32042

2930' FNL & 2087' FWL, SEC: 4
T-21S, R-36E, LEA CO. NM,

ACTIVE



8-5/8", 24# CSG SET @ 435' W/ 325 SX

PERFS: 2937'-3506'

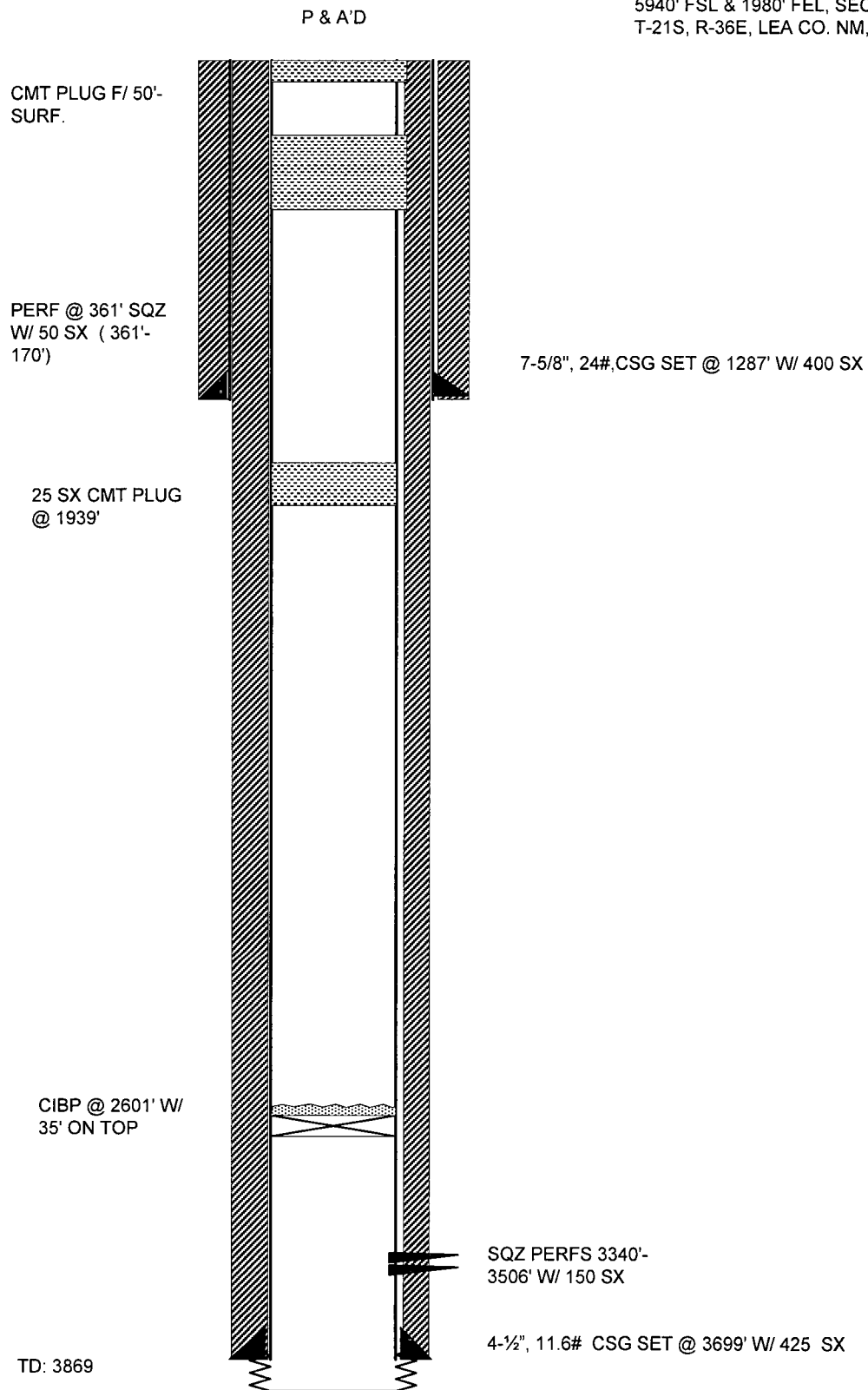
4-1/2", 11.6# CSG SET @ 3590' W/ 980 SX
CMT.

TD: 3590'

MEYER B-4 # 14

API # 30-025-04474

5940' FSL & 1980' FEL, SEC: 4
T-21S, R-36E, LEA CO. NM,

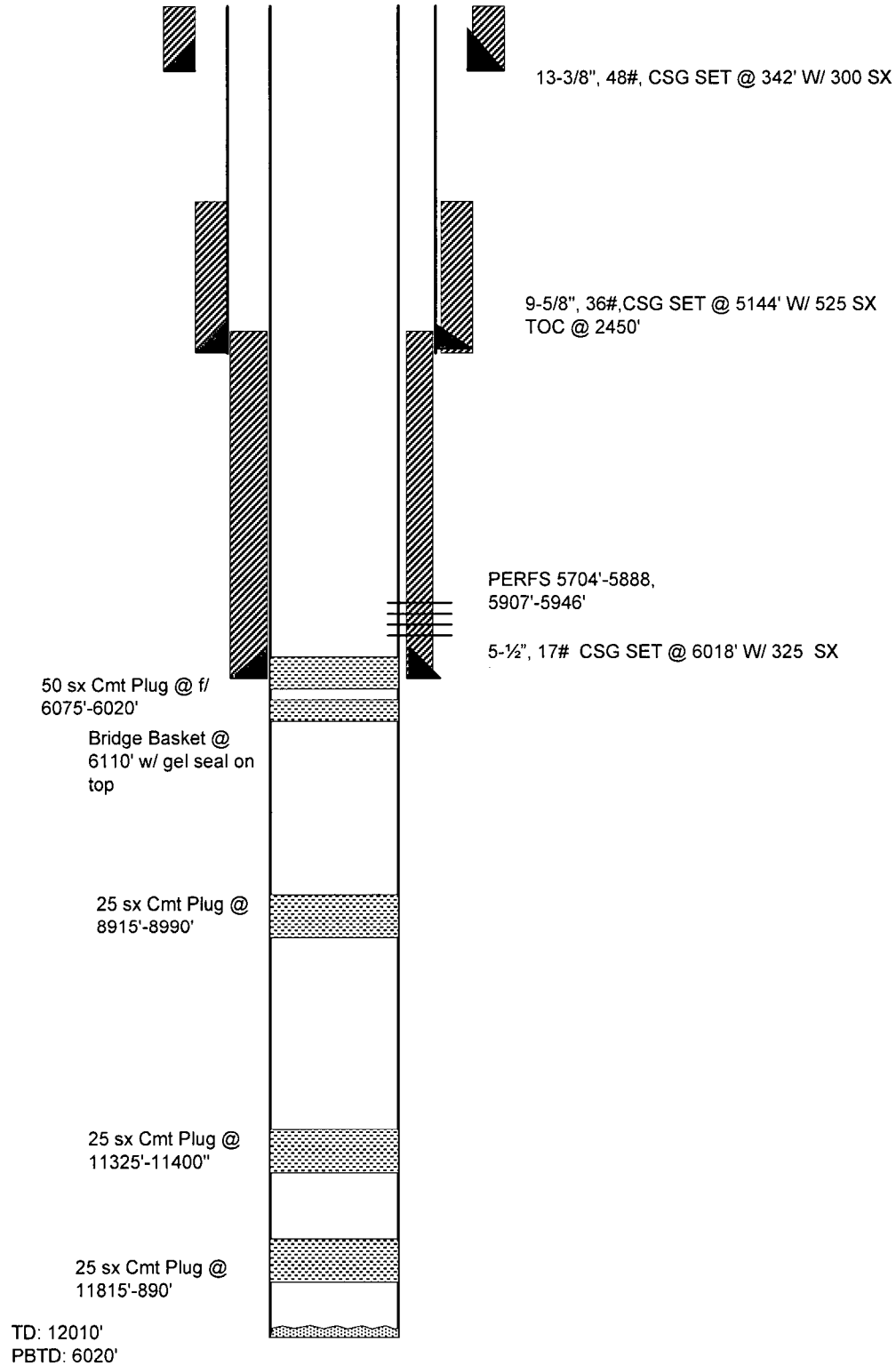


MEYER B-4 # 19

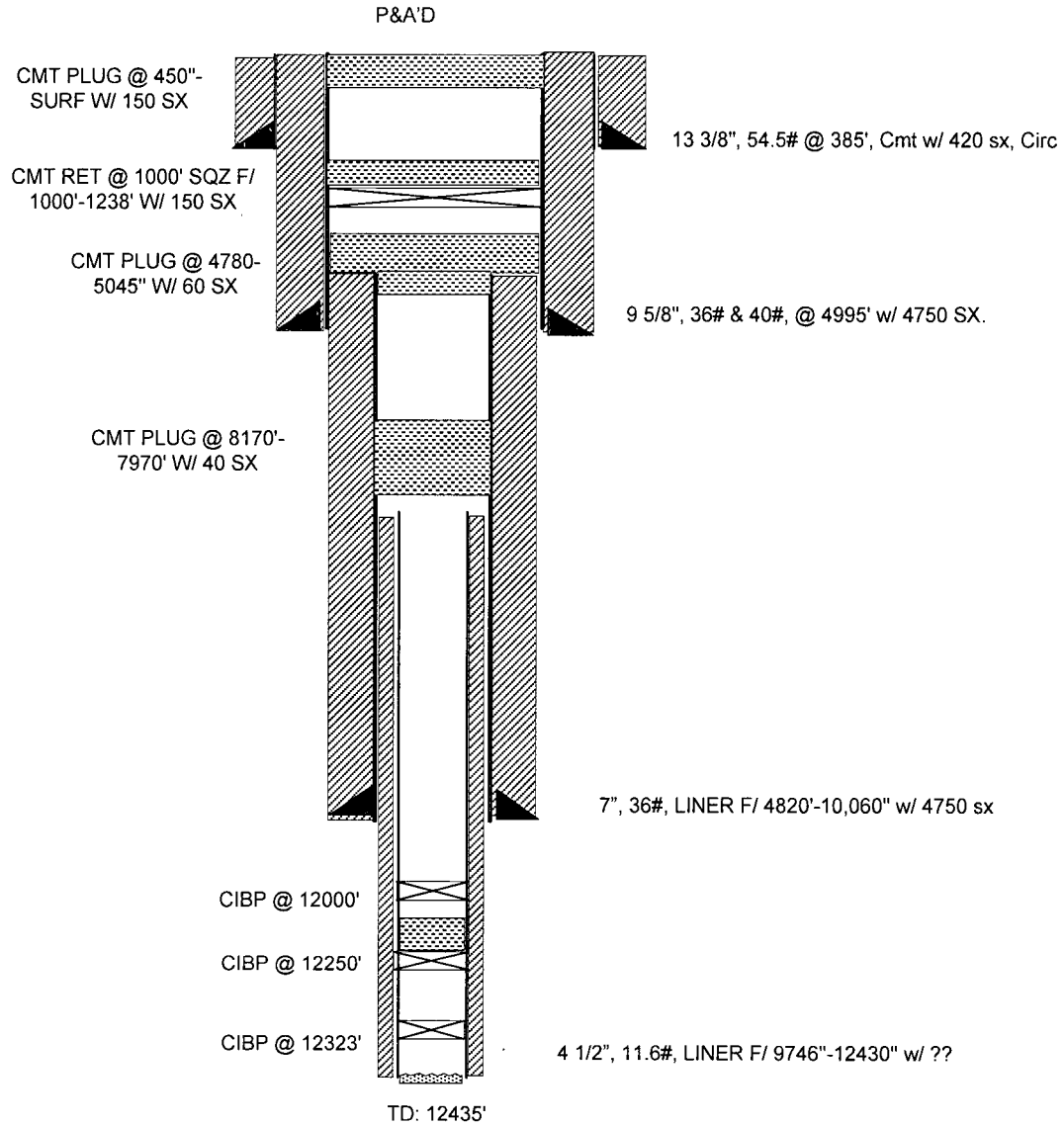
API # 30-025-04480

3300' FSL & 2310' FEL, SEC: 4
T-21S, R-36E, LEA CO. NM,

ACTIVE



O. C. FEDERAL COM #1
SEC: 4, T-21S, R-36E
LEA CO. NM
30-025-30790



Address:

Customer: XTO Energy, Inc.

Lease: EMSU

Formation:

Salesman: Mike Baker

Attention: David Paschal

CC:

Target Name: EMSU 200

Sample Point: EMSU 200

Sample Date: 10/26/2004

Test Date: 11/04/2004

Water Analysis(mg/L)

Calcium	962
Magnesium	437
Barium	
Strontium	
Sodium(calc.)	7241
Bicarbonate Alkalinity	1427
Sulfate	1778
Chloride	12000
Resistivity	0.2684

Appended Data(mg/L)

CO2	160
H2S	376
Iron	1
Oxygen	

Physical Properties

Ionic Strength(calc.)	0.46
pH(calc.)	
Temperature(°F)	80
Pressure(psia)	50
Density	8.47

Additional Data

Specific Gravity	1.02
Total Dissolved Solids(Mg/L)	23846
Total Hardness(CaCO3 Eq Mg/	4196

Dew Point	
Lead	
Zinc	

Calcite Calculation Information

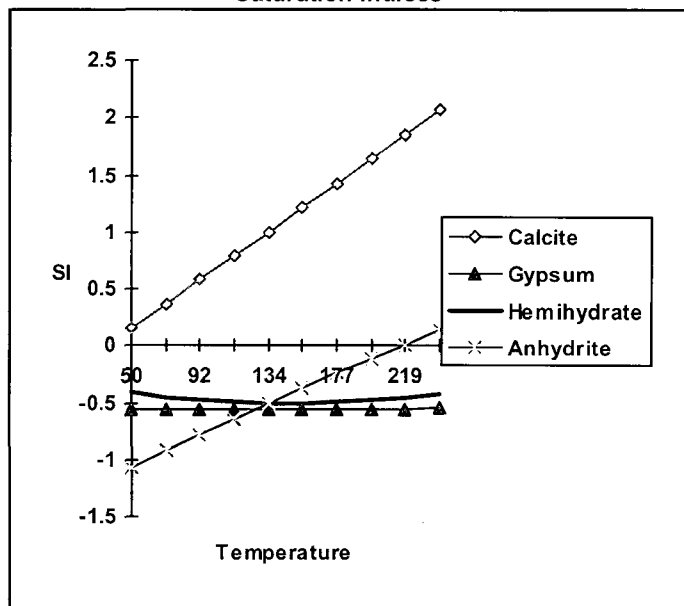
Calculation Method	Value
Known pH	6.91

Remarks:

SI & PTB Results

Scale Type	SI	PTB
Calcite (Calcium Carbonate)	0.45	243.20
Gypsum (Calcium Sulfate)	-0.56	
Hemihydrate (Calcium Sulfate)	-0.46	
Anhydrite (Calcium Sulfate)	-0.86	
Barite (Barium Sulfate)		
Celestite (Strontium Sulfate)		

Saturation Indices



Saturation Index Data Points

	50	71	92	113	134	156	177	198	219	240
Calcite	0.16	0.37	0.58	0.79	1.00	1.21	1.42	1.64	1.85	2.07
Gypsum	-0.56	-0.56	-0.56	-0.56	-0.56	-0.56	-0.56	-0.56	-0.56	-0.55
Hemihydrate	-0.41	-0.45	-0.48	-0.49	-0.50	-0.50	-0.49	-0.48	-0.45	-0.42
Anhydrite	-1.07	-0.92	-0.78	-0.64	-0.51	-0.37	-0.24	-0.11	0.01	0.14

Lab Tech.: *Amy Albrecht*

Address:

Customer: XTO Energy, Inc.

Lease: EMSU

Formation:

Salesman: Mike Baker

Attention: David Paschal

CC:

Target Name: EMSU 209

Sample Point: EMSU 209

Sample Date: 11/27/2007

Test Date: 12/11/2007

Water Analysis(mg/L)

Calcium	882
Magnesium	389
Barium	
Strontium	
Sodium(calc.)	7425
Bicarbonate Alkalinity	1537
Sulfate	1696
Chloride	12000
Resistivity	0.2675

Appended Data(mg/L)

CO2	200
H2S	325
Iron	0
Oxygen	

Additional Data

Specific Gravity	1.02
Total Dissolved Solids(Mg/L)	23929
Total Hardness(CaCO3 Eq Mg/	3799

Physical Properties

Ionic Strength(calc.)	0.45
pH(calc.)	6.64
Temperature(°F)	90
Pressure(psia)	50
Density	8.47

Dew Point	
Lead	
Zinc	

Calcite Calculation Information

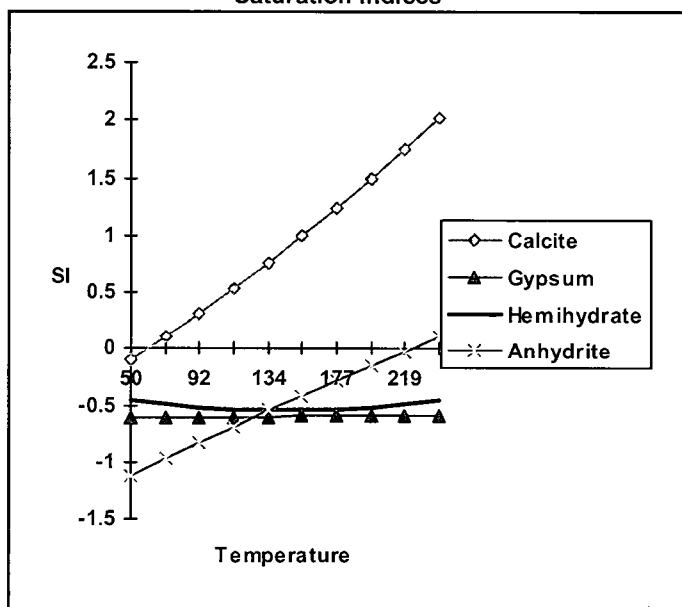
Calculation Method	Value
CO2 in Brine(mg/L)	200

Remarks:

SI & PTB Results

Scale Type	SI	PTB
Calcite (Calcium Carbonate)	0.29	168.70
Gypsum (Calcium Sulfate)	-0.61	
Hemihydrate (Calcium Sulfate)	-0.52	
Anhydrite (Calcium Sulfate)	-0.84	
Barite (Barium Sulfate)		
Celestite (Strontium Sulfate)		

Saturation Indices



Saturation Index Data Points

	50	71	92	113	134	156	177	198	219	240
Calcite	-0.10	0.10	0.31	0.53	0.76	1.00	1.24	1.49	1.75	2.02
Gypsum	-0.61	-0.61	-0.61	-0.61	-0.61	-0.60	-0.60	-0.60	-0.60	-0.59
Hemihydrate	-0.46	-0.49	-0.52	-0.54	-0.55	-0.54	-0.54	-0.52	-0.49	-0.45
Anhydrite	-1.12	-0.97	-0.83	-0.69	-0.55	-0.42	-0.28	-0.15	-0.03	0.10

Lab Tech.: *[Signature]*



Water Analysis Report

5/2/2008

Address:

Customer: XTO Energy, Inc.

Lease: EMSU

Attention: David Paschal

Formation:

Salesman: Mike Baker

CC:

Target Name: EMSU 458WSW

Sample Point: EMSU 458WSW

Sample Date: 09/13/2007

Test Date: 09/14/2007

Water Analysis(mg/L)

Calcium	152
Magnesium	117
Barium	
Strontium	
Sodium(calc.)	352
Bicarbonate Alkalinity	
Sulfate	593
Chloride	715
Resistivity	

Appended Data(mg/L)

CO2	
H2S	
Iron	2
Oxygen	

Physical Properties

Ionic Strength(calc.)	0.05
pH(calc.)	
Temperature(°F)	90
Pressure(psia)	50
Density	

Additional Data

Specific Gravity	
Total Dissolved Solids(Mg/L)	
Total Hardness(CaCO3 Eq Mg/	860

Dew Point	
Lead	
Zinc	

Calcite Calculation Information

Calculation Method	Value
CO2 in Brine(mg/L)	

Remarks:

SI & PTB Results

Scale Type	SI	PTB
Calcite (Calcium Carbonate)		
Gypsum (Calcium Sulfate)	-1.49	
Hemihydrate (Calcium Sulfate)	-1.26	
Anhydrite (Calcium Sulfate)	-1.74	
Barite (Barium Sulfate)		
Celestite (Strontium Sulfate)		

Lab Tech.:



Water Analysis Report

5/2/2008

Address:

Customer: XTO Energy, Inc.

Attention: David Paschal

Lease: EMSU

Formation:

Salesman: Mike Baker

CC:

Target Name: EMSU 609

Sample Point: EMSU 609

Sample Date: 09/13/2007

Test Date: 09/14/2007

Water Analysis(mg/L)

Calcium	152
Magnesium	117
Barium	
Strontium	
Sodium(calc.)	352
Bicarbonate Alkalinity	
Sulfate	593
Chloride	715
Resistivity	

Appended Data(mg/L)

CO2	
H2S	
Iron	2
Oxygen	

Physical Properties

Ionic Strength(calc.)	0.05
pH(calc.)	
Temperature(°F)	90
Pressure(psia)	50
Density	

Additional Data

Specific Gravity	
Total Dissolved Solids(Mg/L)	
Total Hardness(CaCO3 Eq Mg/	860

Dew Point	
Lead	
Zinc	

Calcite Calculation Information

Calculation Method	Value
CO2 in Brine(mg/L)	

Remarks:

--

SI & PTB Results

Scale Type	SI	PTB
Calcite (Calcium Carbonate)		
Gypsum (Calcium Sulfate)	-1.49	
Hemihydrate (Calcium Sulfate)	-1.26	
Anhydrite (Calcium Sulfate)	-1.74	
Barite (Barium Sulfate)		
Celestite (Strontium Sulfate)		

Lab Tech.:

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, KATHI BEARDEN

PUBLISHER

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

of 1
_____ weeks.

Beginning with the issue dated

May 6 2008

and ending with the issue dated

May 6 2008

Kathi Bearden

PUBLISHER

Sworn and subscribed to before

me this 6th day of

May 2008

Uma Montz

Notary Public.

My Commission expires
February 07, 2009
(Seal)



OFFICIAL SEAL
DORA MONTZ
NOTARY PUBLIC
STATE OF NEW MEXICO

My Commission Expires: _____

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

LEGAL NOTICE
May 6, 2008

Notice of application for Fluid Injection Well Permit
Eunice monument South Unit #210

XTO Energy, Inc., 200 N. Loraine, Ste. 800, Midland,
Texas 79701, Attention- Kristy Ward- 432-620-6740, has
applied for a permit to inject fluid into a formation
which is productive of oil and gas. The applicant pro-
poses to inject fluid at the location of Unit Ltr. C, Sec-
tion 4, Township-21S, Range-36E, footage location of
the well is 4620' FSL & 1980' FWL. The API # is 30-025-
04469. Fluid will be injected into the grayburg forma-
tion at a depth interval from 3680' -3807', with a maxi-
mum injection rate of 1000BWIPD and a maximum in-
jection pressure of 800psi.

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.

#24045

01102696000 67550601

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

Injection Permit Checklist (7/8/08)

Case _____ R- _____ SWD WEX 48 PMX _____ IPI _____ Permit Date 12/7/08 UIC Qt. (OCT/NOV/Dec 2008)

Wells _____ Well Name: EUNICE Monument SOUTH UNIT #210

API Num: (30-) 025-04469 Spud Date: 1947 New/Old: 0 (UIC primacy March 7, 1982)

Footages 460751/198 FNL Unit K Sec 4 Tsp 215 Rge 36E County Lea

Operator: XTO ENERGY, INC Contact KRISTY Word

OGRID: 5380 RULE 40 Compliance (Wells) 3/32-2 (Finan Assur) OK

Operator Address: 200 N. Lorraine, Suite 800, Midland, TX 79705

Current Status of Well: TAED (CBP @ 3560')

Planned Work to Well: Drill out - convert

Planned Tubing Size/Depth: 2 3/8 @ 3617

	Sizes Hole.....Pipe	Setting Depths	Cement Sx or Cf	Cement Top and Determination Method
Existing ☒ Surface	<u>12 1/2 5 3/4</u>		<u>200</u>	<u>CIRC</u>
Existing ☒ Intermediate	<u>7 5/8</u>			
Existing ☒ Long String	<u>7 7/8 5 1/2</u>	<u>3749</u>	<u>460</u>	<u>CTRE</u>

DV Tool _____ Line: 3471-3749 Open Hole 3749-3824 Total Depth 3870 PBTD 3824

Well File Reviewed _____

Diagrams: Before Conversion ☒ After Conversion _____ Elogs in Imaging File: attached - sent to 1 mgr

Intervals:	Depths	Formation	Producing (Yes/No)
Above (Name and Top)			
Above (Name and Top)	<u>3613</u>	<u>Panrose</u>	
Injection.....	<u>3680</u>	<u>GBG (Barf)</u>	
Interval TOP:			
Injection.....	<u>3807</u>	<u>GBG (Open hole)</u>	
Interval BOTTOM:			
Below (Name and Top)	<u>3832</u>	<u>SA</u>	

2300 POOL GONE

EUNICE Monument, GSA POOL

Panrose, GBG, SA

736 PSI Max. WHIP

UTILIZED

Intubed

Sensitive Areas: Capitan Reef _____ Cliff House _____ Salt Depths _____

.... Potash Area (R-111-P) _____ Potash Lessee _____ Noticed? _____

Fresh Water: Depths: _____ Wells(Y/N) _____ Analysis Included (Y/N): _____ Affirmative Statement ☒

Salt Water: Injection Water Types: _____ Analysis? _____

Injection Interval:....Water Analysis: _____ Hydrocarbon Potential Waterflood

Notice: Newspaper(Y/N) ☒ Surface Owner Midland Rock Estate % Hurd & Carbone Mineral Owner(s) _____

RULE 701B(2) Affected Parties: CONOCO / BP

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

Active Wells 23 Num Repairs 0 Producing in Injection Interval in AOR Yes - waterflood

..P&A Wells 5 Num Repairs 0 All Wellbore Diagrams Included? ☒

Questions to be Answered:

NOTICE all offset 5 Hallow Operators

Prior to IPT

Required Work on This Well: _____ Request Sent _____ Reply: _____

AOR Repairs Needed: _____ Request Sent _____ Reply: _____

_____ Request Sent _____ Reply: _____