

DATE IN 7/14/08	SUSPENSE	ENGINEER W Jones	LOGGED IN 07/14/08	TYPE WFX	APP NO. PKUR0819653092
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

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



X To Energy #043
Case Mailed Santa Fe UNIT

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

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RECEIVED

[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.

DeeAnn Kemp
 Print or Type Name

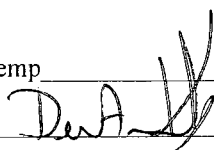
D.A. Kemp
 Signature

Regulatory
 Title

7/14/08
 Date

dceAnn_Kemp@XTDevergy.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, Texas 79701
CONTACT PARTY: DeeAnn Kemp PHONE: 432-620-6724
- 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. 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:
1. Proposed average and maximum daily rate and volume of fluids to be injected; average 2200 bwpd, maximum 2600 bwpd
 2. Whether the system is open or closed; Open
 3. Proposed average and maximum injection pressure; 1000 Average/ 1200 Maximum
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water. Injecting produced water from Grayburg and San Andres zones.
 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.). Injecting into productive zone, chemical analysis not required.
- *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. No stimulation proposed.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted). Log already 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 sources of drinking water. This application for injection well, not disposal.
- 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: DeeAnn Kemp TITLE: Regulatory
SIGNATURE:  DATE: 7/9/08
E-MAIL ADDRESS: deeann_kemp@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: _____

INJECTION WELL DATA SHEET

OPERATOR: XTO Energy Inc.WELL NAME & NUMBER: Eunice Monument South Unit #643WELL LOCATION: 1275' FWL 7 1275' FEL B 6 21-S 36-E
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGEWELLBORE SCHEMATICWELL CONSTRUCTION DATASurface CasingHole Size: 12-1/4" Casing Size: 8-5/8" @ 1224'Cemented with: 800 sx. or ft³Top of Cement: surf Method Determined: circIntermediate CasingHole Size: None Casing Size: Cemented with: sx. or ft³Top of Cement: Method Determined: Production CasingHole Size: 7-7/8" Casing Size: 8-5/8"Cemented with: 800 sx. or ft³Top of Cement: surf Method Determined: calcTotal Depth: 4050'Injection Interval3848 feet to 3936 (Open Hole)

(Perforated or Open Hole; indicate which)

Eunice Monument South Unit No. 643

INJECTION WELL DATA SHEET

Tubing Size: 2-3/8" Lining Material: _____

Type of Packer: BJ 5-1/2" ASI-X injection packer

Packer Setting Depth: 3645' 3788' ?

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 well

2. Name of the Injection Formation: Grayburg

3. Name of Field or Pool (if applicable): Eunice Monument; Grayburg-San Andres

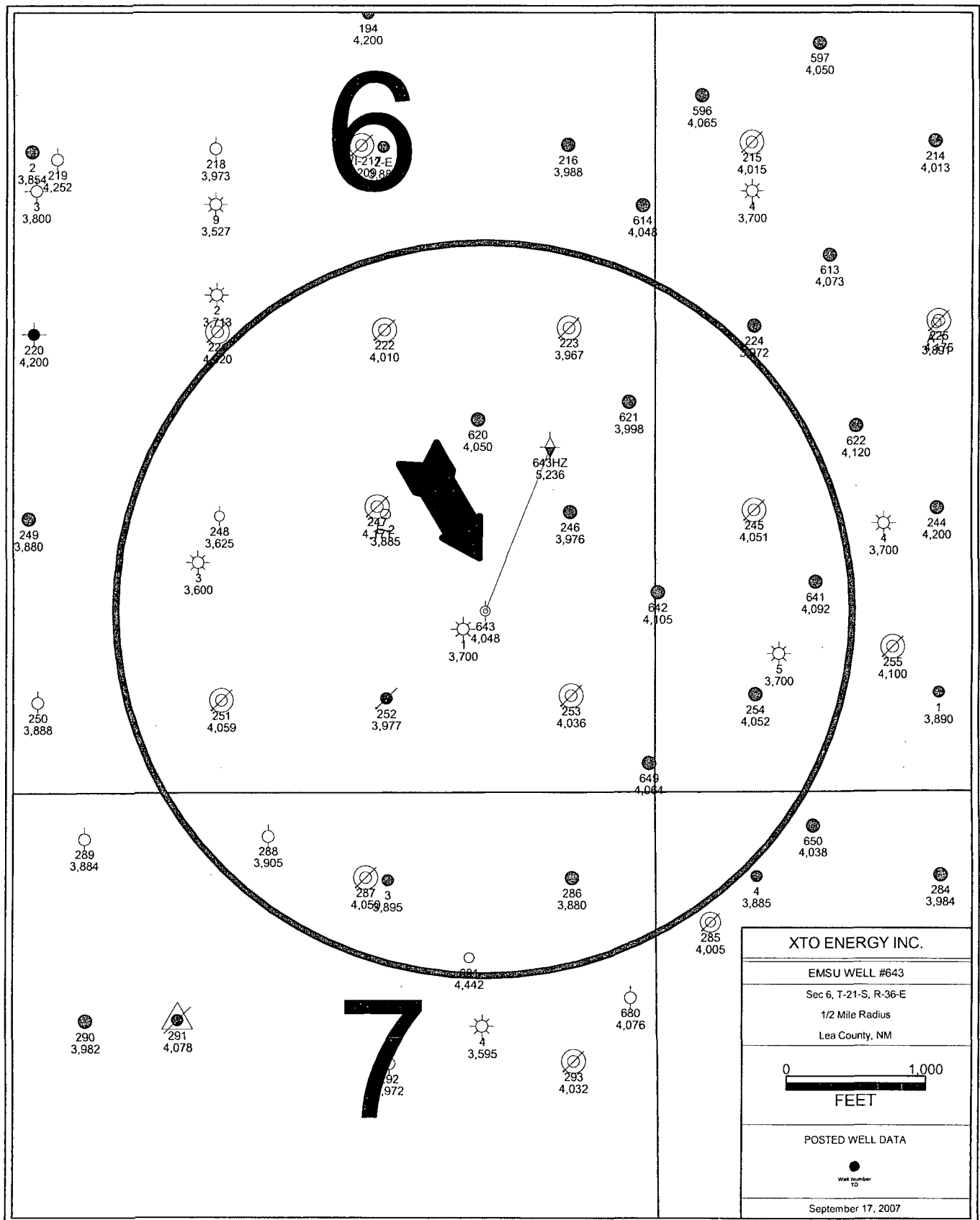
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

3697-3940' sqz w/38 bbls cmt, CIBP @ 3955'

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Anhy 1165', Salt 1320', B. Salt 2600', Yates 2950', 7 Rivers 3100',

Queen 3418', Grayburg 3742'

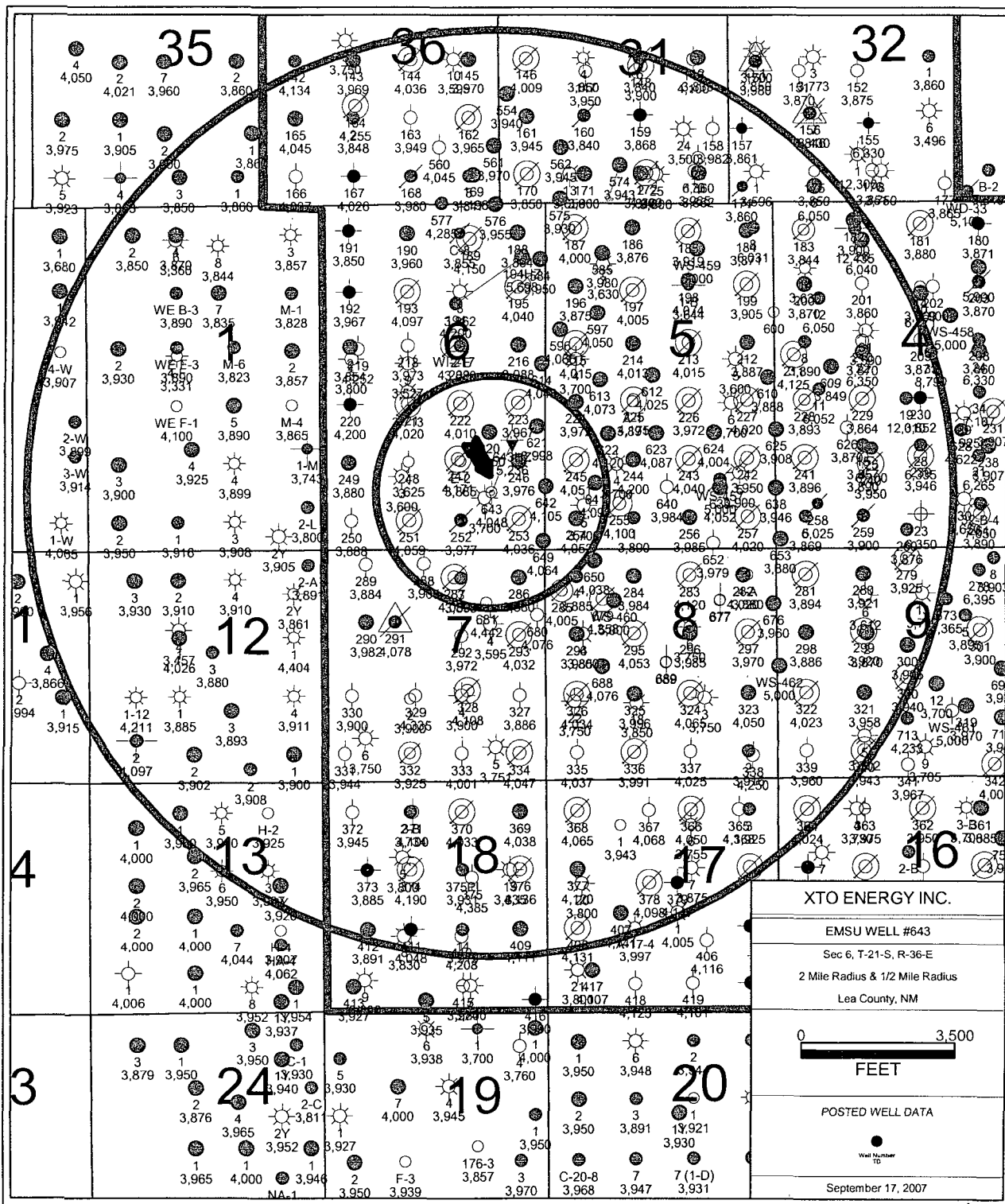
Item. U



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1/2 mile radius
EMSU #643

Item V



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1/2 mile radius
2 mile radius

Table of Wells within 1/2 mile radius of Project Area (EMSU 643)									
XTO Energy - Eunice Monument South Unit #643									
Lease Name	Well	Depth	Operator	Status	Spud	Location	API No.		
Graham Orcutt Gas Co	1	3700	XTO Energy	Gas	2/28/1991	1175' SL 1375' EL Sec 6	3002530922200		
** Graham State (NCT-E)	2	3885	XTO Energy	Gas	8/12/1936	1980' SL & 1980' EL	300250452900		
Houston	3	3895	Apache	Oil	3/16/1936	660' NL 1980' EL Sec 7	300250454100		
State K	3	3600	BP	Gas	3/17/1988	1650' SL 1822' FWL	300253028400		
State G Com	5	3700	BP	Gas	2/1/1996	990' SL 890' WL Sec 5	300253325000		
Eunice Monument South	222	4010	XTO Energy	Inj- Active	10/7/1936	3300' SL 1980' EL Sec 6	300250453100		
Eunice Monument South	223	3967	XTO Energy	Inj- Active	5/4/1936	3300' SL 660' EL Sec 6	300250453000		
Eunice Monument South	245	4051	XTO Energy	Inj- Active	9/28/1935	1980' SL 660' WL Sec 5	300250449800		
Eunice Monument South	246	3976	XTO Energy	Oil-Active	12/7/1935	1980' SL 660' EL Sec 6	300250452700		
Eunice Monument South	247	4171	XTO Energy	Inj- Active	2/13/1986	1980' SL 2120' EL Sec 6	300252957500		
Eunice Monument South	248	3867	XTO Energy	Oil-TA'd 5/3/01	6/6/1936	1980' SL 1822' WL Sec 6	300250452100		
Eunice Monument South	251	4059	XTO Energy	Inj- Active	4/26/1936	660' SL 1980' EL Sec 6	300250452000		
Eunice Monument South	252	3977	XTO Energy	Inj- PA 2/1/05	2/18/1936	660' SL 1980' EL Sec 6	300250452800		
Eunice Monument South	253	4036	XTO Energy	Inj- Active	10/9/1935	660' SL 660' EL Sec 6	300250870200		
Eunice Monument South	254	4052	XTO Energy	Oil-Active	8/11/1986	660' SL 660' WL Sec 5	300250450000		
Eunice Monument South	286	3990	XTO Energy	Oil-Active	12/26/1935	660' NL 660' EL Sec 7	300250454000		
Eunice Monument South	287	4050	XTO Energy	Inj- Active	5/15/1987	675' NL 2160' EL Sec 7	300252990900		
Eunice Monument South	288	3905	XTO Energy	Oil-Active TA 1/28/91	3/26/1936	330' NL 2310' WL Sec 7	300250455200		
Eunice Monument South	620	4050	XTO Energy	Oil-Active	12/3/1988	2630' SL 1330' EL Sec 6	300253051100		
Eunice Monument South	621	3998	XTO Energy	Oil-Active	12/20/1995	2800' SL 185' EL Sec 6	300253318600		
Eunice Monument South	641	4092	XTO Energy	Oil-Active	11/27/1995	1505' SL 1155' WL Sec 5	300253318900		
Eunice Monument South	642	4105	XTO Energy	Oil-Active	10/1/1990	1370 SL & 25' EL	300253095800		
Eunice Monument South	649	4064	XTO Energy	Oil-Active	10/9/1995	210 SL 40 EL Sec 6	300253318700		
Eunice Monument South	681	4443	XTO Energy	Oil-Active	10/29/2005	1210' NL 1340' EL Sec 7	300253728100		
** Well was changed to Graham Orcutt Gas Com #3 effective 1990									

** Well was changed to Graham Orcutt Gas Com #3 effective 1990

Well Data Sheet

Lease & Wellno Graham Orcutt Gas Com #1 Field / Pool Eumwt Yates-7Rw/Durew Date 4/28/08
 Location 1175 Feet From South Line and 1375 Feet From East Line
 Section 6 T-21-S, R-36-E County Lea Operator XTO Energy Inc

GR: 3577.3

Date Completed 4/9/91
 Initial Formation Yates / 7 Rws / Durew

OD 24 # 8-5/8 Thd
 Gr. 8-5/8 Csg.
 set @ 1203 w/ 750 sx.
 Cmt Circ. Suit
 TOC @ 54.8 by Circ
144 SXs

Perfs 3052-3610
 1 THPF, 17 holes

* OD 5 # 5-1/2 Thd
 Gr. 5-1/2 Csg.
 set @ 3700 w/ 560 sx.
 Cmt Circ. Suit
 TOC @ 54.8 by Circ
54 SXs

TD 3700'
 PBTD 3591'

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-105
Revised 1-1-89

WELL API NO. 30-025-30922
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Graham-Orcutt Gas Com. ✓
8. Well No. 512
9. Pool name or Wildcat Eumont Y-SR-QN

WELL COMPLETION OR RECOMPLETION REPORT AND LOG					
1a. Type of Well: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER _____					
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DEEP RESER. ☐ OTHER _____					
2. Name of Operator Chevron U.S.A., Inc.					
3. Address of Operator P.O. Box 1150 Midland, TX 79702					
4. Well Location Unit Letter <u>W</u> : <u>1175</u> Feet From The <u>South</u> Line and <u>1375</u> Feet From The <u>East</u> Line Section <u>6</u> Township <u>21S</u> Range <u>36E</u> NMPM <u>Lea</u> County					
10. Date Spudded 2/28/91	11. Date T.D. Reached 3/4/91	12. Date Compl. (Ready to Prod.) 4/9/91	13. Elevations (DF & RKB, RT, GR, etc.) 3378' GR	14. Elev. Casinghead -	
15. Total Depth 9700'	16. Plug Back T.D. 3591'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools ☒ Cable Tools	19. Producing Interval(s), of this completion - Top, Bottom, Name 3052'-3515'	
21. Type Electric and Other Logs Run Density-Neutron-Gr-DDL-Micro-SFL				22. Was Directional Survey Made No	
21. Type Electric and Other Logs Run Density-Neutron-Gr-DDL-Micro-SFL				22. Was Well Cored No	

23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	1203'	12-1/4"	750 sx-circ 144 sx	-
5-1/2"	15.5#	3700'	7-7/8"	560 sx-circ 54 sx	-
24. LINER RECORD					
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	25. TUBING RECORD
					SIZE DEPTH SET PACKER SET
					2-3/8" 3024' 3024'
26. Perforation record (interval, size, and number) 3052'-3610' 1 JHPF 0 deg (17 holes)			27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.		
			DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED		
			3582-3610' Sqz w/175 sx cmt		
			3052-3515' 71.500 gals 50/50 xl-gel CO2		
			& 144.000# 12/20 sd		

28. PRODUCTION					
Date First Production 4/9/91		Production Method (Flowing, gas lift, pumping - Size and type pump) flowing			Well Status (Prod. or Shut-in) SI
Date of Test 4/19/91	Hours Tested 4	Choke Size 22/64	Prod'n For Test Period	Oil - Bbl. 0	Gas - MCF 590
Flow Tubing Press. 109#	Casing Pressure -	Calculated 24-Hour Rate	Oil - Bbl. 0	Gas - MCF 320	Water - Bbl. 0
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Vented					Test Witnessed By
30. List Attachments					

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature J. K. Ripley Printed Name J. K. Ripley Title Technical Assistant Date 9/12/91

The logo for XT Energy, featuring the letters 'XT' in a large, bold, stylized font, with 'ENERGY' written vertically in a smaller font to the right.

GRAHAM-ORCUTT GAS COM #3

WELLBORE DIAGRAM

GL: 3578'
KB TO GL:

16" 70# CSG @ 31', CMT W/60
SX.

7 5/8" 22# CSG @ 1213'. CMT
W/650 SX, CIRC CMT.

IBG DETAIL: 9/1/87
2 3/8" SUB EVE
1115 JTS 2 3/8" EVE
SSN @ 3631
2 3/8" PERF SUB @ 3
MUD JT.

PMP & ROD DETAIL: 9/1/87
 2" X 1 1/4" X 12' PMP
 137 ~ 3/4" X 25' RODS
 3/4" X 8' ROD
 3/4" X 6' ROD
 3/4" X 4' ROD
 16' X 1 1/4" PR.

3405-3515'

CIBP @ 36.50'

5 1/2" 17# CSG SET @ 3748'. CMT W/300 SX.

FISH LEFT IN HOLE: 6/76:
30.8-2" TBG, CUT JT
1- 2 X8" SN
1- 10' TBG SUB
1- 2" CV
1- 8' TBG SUB
BULL PLUG ON BTM.

TD: 3885'
PBD: 3650'

DATA

LOCATION: 1980' FSL & 1980' FEL, UNIT R. SEC. 6, T-21-S, R-36E

COUNTY/STATE: LEA COUNTY, NM

FIELD: EUMONT

FORMATION: EUMONT; YATES, 7 RIVERS-QUEEN

INITIAL IP: 569 MCFD & 10 BLWTR

API #: 30-025-04529

CURRENT STATUS: ACTIVE

HISTORY

COMPLETION DATA:

08/12/36: SPUD. RAN 16"70# CSG SET @ 31'. CMT W/60 SX. RAN 7 5/8" 22# CSG @ 1213'. CMT W/650 SX CMT. CIRC CMT. RAN 5 1/2" 17# CSG @ 3748'. CMT W/300 SX.

03/06/37: ACDZ OH FR/3749-3885 W/1000 GAL5 50/50 NON-INHIB SOLUTION. SET 2" PKR @ 3785'. PMPD ON TOP OF PKR. AQUAGEL & 280# NO. 2 FIBROTEX W/36 BW. DID NOT PKR. PMPD ON TOP OF PKR 1000# AQUAGEL & 350# NO. 2 FIBROTEX W/45 BW. CSG PRESS 1250#. IN PUT ON CSG PRESS 750# CSG PRESS.

WORKOVER DATA:

04/11/55: PERF 5 1/2" CSG @ 3405-3515 & 3550-3595' W/4, 1/2" JHPF. ACDZ W/500 GAL5 MCA ACID. TRTD W/15,000 GAL5 SD OIL FRAC W/1# SPG.

06/22/59: ACDZ W/1000 GALS 15% NEA, AIR 3 BPM, TP 1400#.

06/25/63: ACDZ W/500 GALS 15% NEFE.

006/64: ACDZ W/500 GALS 15% NEA.

09/64: ACDZ W/500 GALS 15% NEA.

110/65: ACDZ W/500 GALS 15% NEA.

05/66: ACDZ W/500 GALS 20% NEA DN TBG.

11/66: ACDZ W/500 GALS 15% NEA DN TBG. INITIAL PRESS 2000#. FINAL PRESS 0# ON VAC.

06/67: ACDZ W/500 GALS 20% NEA, MAX P 700#, MIN 0#.

04/68: ACDZ W/500 GALS 20% INHIB ACID DN TBG.

08/68: ACDZ W/250 GALS 20% NE DBL INHIB ACID.

12/68: ACDZ W.500 GALS 20% NE DBLE INHIB ACID.

06/69: ACDZ W/500 GALS 20% DLB INHIB NEA.

ACDZ W/500 GALS 20% NE ACID.



GRAHAM-ORCUTT GAS COM #3

WELLBORE DIAGRAM

- 03/70: ACDZ W/500 GALS 20% NE DBL INHIB ACID.
05/70: ACDZ W/500 GALS 20% NE ACID. MIX 5 GALS VISCO 103
DEMULSIFIER & 20 BBL 9.2# BRINE. MIXED 110 GALS VISCO
957 SCALE INHIB W/20 BBLs BRINE.
06/71: ACDZ W/500 GALS 20% HCL INHIB ACID. SQZ W/VISCO 103 &
957 DN TBG. MAX PRESS 150#.
09/72: TRTD W/10 BBLs 9.2# BRINE W/2 ½ GALS VISCO 103, 20 BBLs
BINR W/2 DRUMS VISCO M-43-S & 10 BBL BRINE W/2 ½ GALS
VISCO 103.
09/73: PMP 1 BW W/10 GALS TRETOLITE KW-117 DN CSG.
11/73: ACDZ W/750 GALS 15% NEA DN TBG.
06/76: PULLED PROD EQUIP. PMP 1000 GALS TEM-BLOCK #50 DN
TBG. FISH LEFT IN HOLE. SET CIBP @ 3650' (ABANDON
EUNICE MONUMENT). SET PKR @ 3348' (EUMONT GAS
PRODUCER).
09/22/87: CHANGE OUT TBG. WELL PROD, 569 MCFD & 10 BLWTR.
09/14/05: INSTALL QUINCY 4125 CSG COMPRESSOR. 24 HR TST, 9 BO,
16 BW & 93 MCF.

Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-104
Revised 1-1-89
See Instructions
at Bottom of Page

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

**REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS**

I. Operator Chevron U.S.A. Inc.		Well API No. 30-025-04505
Address P.O. Box 670, Hobbs, NM 88240		
Reason(s) for Filing (Check proper box) ☐ New Well ☐ Change in Transporter of: ☐ Recompletion ☐ Oil ☐ Dry Gas ☐ Change well name from Graham State (NCT-E) #2 ☐ Change in Operator ☐ Casinghead Gas ☐ Condensate ☒ Other (Please explain) to Graham Orcutt Gas Com #3.		
If change of operator give name and address of previous operator _____		

II. DESCRIPTION OF WELL AND LEASE

Lease Name Graham Orcutt Gas Com	Well No. 3	Pool Name, Including Formation Eumont Yates/Queen	Kind of Lease ☒ State ☐ Federal or Fee	Lease No.
Location Unit Letter <u>R</u> : 1980 Feet From The <u>South</u> Line and 1980 Feet From The <u>East</u> Line Section <u>6</u> Township <u>21S</u> Range <u>36E</u> , <u>NMPM</u> Lea County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☐	Address (Give address to which approved copy of this form is to be sent)				
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☐	Address (Give address to which approved copy of this form is to be sent)				
If well produces oil or liquids, give location of tanks. <u>Northern Natural Gas</u>					
Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When?

If this production is commingled with that from any other lease or pool, give commingling order number: _____

IV. COMPLETION DATA

Designate Type of Completion - (X)	☐ Oil Well	☐ Gas Well	☐ New Well	☐ Workover	☐ Deepen	☐ Plug Back	☐ Same Res'v	☐ Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

M. E. Akins 4/24/90
Signature M. E. Akins Staff Dir. Engr.
Printed Name 6-19-90 Title 505-393-4121
Date Telephone No.

OIL CONSERVATION DIVISION

NOV 01 1990

Date Approved _____
By _____ Orig. Signed by Paul Kautz
Title _____ Geologist

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

Well Data Sheet

Lease & Well No. H.L. Houston #3 Field / Pool Eumet 7-Rus Queen Date 4/28/08
 Location 660 Feet From North Line and 1980 Feet From East Line
 Section 7 Unit 1tr B County Lea Operator Apache Corp
T-21-S, R-36-E API No. 300250551
3600 DF Date Completed 3/16/36

12 1/2" set at 272'
 w/ 150 SxS Cmt

8 5/8" Csg.
 set @ 2668' w/ 500 sx.

2 7/8"
 Tbg at 3644

Perfs
 3108 - 3648

6 5/8" Csg.
 set @ 3795 w/ 100 sx.

TD 3895'
 PBTD 3720'

NE MEXICO OIL CONSERVATION CO. MISSION
Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	X	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

Monument, N.M.

March 8, 1936

Place

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the
Amerada Petroleum Corporation **Houston** Well No. **3** in the
 Company or Operator
NW¹/₄ NE¹/₄ of Sec. **7**, T. **21** Lease **36**, N. M. P. M.,
Eunice Field, **Lea** County.

The dates of this work were as follows:

Notice of intention to do the work was (~~was not~~) submitted on Form C-102 on **March 4, 1936** 19
 and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

6-5/8" 24 1/2 10-thd. New Electric Welded casing was set in this well at 3795' and cemented by the Halliburton method with 100 sacks cement.

Casing and fittings were tested with 1250# pump pressure and allowed to stand for thirty minutes undisturbed. Cement plug was then drilled out of casing and the same test again applied and allowed to stand for thirty minutes undisturbed. No drop in pressure resulted and drilling was resumed.

DUPLICATE

Witnessed by **Claud Cook** **Noble Drilling Co.** **Tool-Pusher**
 Name Company Title

Subscribed and sworn to before me this

9 th. day of **March**, 19**36**

Patricia Mahoney
 Notary Public

I hereby swear or affirm that the information given above is true and correct.

Name *John Slattery*

Position **Farm Boss**

Representing **Amerada Petroleum Corporation**
 Company or Operator

My Commission expires **October 24, 1939**

Address **Monument, N.M.**

Remarks:

John Slattery
 Name
 Title

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well
Recompletion

This Form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form G-104 was submitted. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Monument, New Mexico

June 10, 1954

(Place)

(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

Amerada Petroleum Corporation H.L. Houston, Well No. 3, in NW 1/4 NE 1/4,
(Company or Operator) (Lease)
B Sec. 7 T. 21-S R. 36-E NMPM, Eumont Gas Pool
(Unit)
Lea County. Date Spudded Date Completed June 9, 1954

Please indicate location:

Elevation 3600' D.F. Total Depth 3895' P.B. 372'

Top oil/gas pay 3108' Top of Prod. Form Seven Rivers Queen

Casing Perforations: 3108-3142, 3306-3336, 3362-3405, 3445-3553 or 3590-3648

Depth to Casing shoe of Prod. String

Natural Prod. Test BOPD

based on bbls. Oil in Hrs. Mins.

Test after acid or shot BOPD

Based on bbls. Oil in Hrs. Mins.

Gas Well Potential 9,100,000 CFPD Absolute Open Flow

Size choke in inches

Date first oil run to tanks or gas to Transmission system Complete June 9, 1954

Transporter taking Oil or Gas Permian Basin Pipe Line Company

Casing and Cementing Record

Size Feet Sax

12-1/2	272	150
8-5/8	2668	500
6-5/8	3795	100

Remarks: Acidized 6-5/8" OD Csg. Perforations w/2500 gal. 15% LST Acid and sand oiled with 10,000 gal. oil & 10,000# sand.

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved JUN 24 1954, 19

Amerada Petroleum Corporation

(Company or Operator)

By (Signature)

OIL CONSERVATION COMMISSION

By S. J. Stanley

Title

Title Foreman

Send Communications regarding well to:

Name Amerada Petroleum Corporation

Address Drawer D. Monument, New Mexico

Well Data Sheet

Lease & Well No. State K #3 Field / Pool Eumond Water Srg Gas Date 4/28/08
Location 1650 Feet From South Line and 1822 Feet From West Line
Section 6, T-21-S, R-36-E County Lea Operator BP America Production
Unit Ltr S API No 3002530284 Date Completed 4/28/88

GR-3573.5

8 5/8" set at 383'
300 SxS cmt
TUC- Surf - Circ

Perfs 3432-3544

2-3/8 tbg set at
3444'

5 1/2" set at 3600'
1050 SxS Cmt
TUC- Surf - Circ

TD- 3600
PBTP 3564

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

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U.S.G.E.	
LAND OFFICE	
OPERATOR	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
B-2352 & B-1936-8	

10. TYPE OF WELL		OIL WELL ☐		GAS WELL ☒		DRY ☐		OTHER ☐	
1. TYPE OF COMPLETION		NEW WELL ☒		WARP OVER ☐		DEEPEN ☐		PLUG BACK ☐	
				DIFF. SERV. ☐				OTHER ☐	
2. Name of Operator									
ARCO Oil and Gas Company									
3. Address of Operator									
Box 1610, Midland, Texas 79702									
4. Location of Well									
UNIT LETTER <u>S</u> LOCATED <u>1822</u> FEET FROM THE <u>West</u> LINE AND <u>1650</u> FEET FROM									
THE <u>South</u> LINE OF SEC. <u>6</u> TWP. <u>21S</u> RGE. <u>36E</u> LEA. <u>Lea</u>									
15. Date Spudded		16. Date T.D. Reached		17. Date Compl. (Ready to Prod.)		18. Elevations (DF, RKB, RT, GR, etc.)		19. Elev. Casinghead	
3-17-88		3-25-88		4-28-88		3573.5 GR			
20. Total Depth		21. Plug Back T.D.		22. If Multiple Compl., How Many		23. Intervals Drilled By		Rotary Tools	
3600		3563				0-3600		Cable Tools	
24. Producing Interval(s), of this completion — Top, Bottom, Name									25. Was Directional Survey Made
3432-3544 Queen									No
26. Type Electric and Other Logs Run									27. Was Well Cored
GR/CNL/CCL									No
28. CASING RECORD (Report all strings set in well)									
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		AMOUNTING RECORD	
8-5/8		24		383		12-1/4		300 sx - Circ	
5-1/2		15.5		3600		7-7/8		1050 sx - Circ	
29. LINER RECORD									
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN	
								2-3/8	
30. TUBING RECORD									
SIZE		DEPTH SET		PACKER SET					
		3444							
31. Perforation Record (Interval, size and number)					32. ACID, SHALE FRACTURE, CEMENT SQUEEZE, ETC.				
3432-3544					DEPTH INTERVAL				
					3432-3544				
					AMOUNT AND KIND MATERIAL USED				
					A w/1500 gal. Frac w/42,000 gal & 69,500# sd.				
33. PRODUCTION									
Date First Production		Production Method (Flowing, gas lift, pumping — Size and type pump)						Well Status (Prod. or Shut-in)	
4-4-88		Pumping						Producing	
Date of Test		Hours Tested		Choke Size		Prod'n. Per Test Period		Oil — Bbl.	
4-30-88		24						0	
Flow Tubing Press.		Casing Pressure		Calculated 24-Hour Rate		Oil — Bbl.		Gas — MCF	
						0		23	
								1	
								NA	
34. Disposition of Gas (Sold, used for fuel, vented, etc.)									Test Witnessed By
Sold									
35. List of Attachments									
Log									
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.									
SIGNED <u>Ken W. Gosnell</u>				TITLE <u>Engr. Tech</u>				DATE <u>5-5-88</u>	

Well Data Sheet

Lease & Wellno State G Com # 5 Field / Pool Eumont Yates Srg Gas Date 4/28/08
 Location 990 Feet From South Line and 890 Feet From West Line
 Section 5 Unit Ltr U Lea County BP Operator BP
 Township 21S, R 36-E APT # 300253325
 GR 3582

Date Completed 2/26/96
 Initial Formation Yates 2786, 7 River 2909, Queen
 From: 0 to GOR 3204
 Initial: Production 0 BOPD 1 BWPD
353 GAS

OD 24 # 8-5/8 Thd
 Gr. 409 w/ 350 Csg.
 set @ 409 w/ 350 sx.
 Cmt Circ. Yes
 TOC @ Surf by Cire

Perfs
3046-3609
 (36 shots, .40 hole
 size)

OD 15.5 # 5-1/2 Thd
 Gr. 3700 w/ 350 Csg.
 set @ 3700 w/ 350 sx.
 Cmt Circ. Yes
 TOC @ Surf by Cire

TD: 3700
 PBTD: 3639

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-105
Revised 1-1-89

WELL API NO. 30-025-33250
5. Indicate Type Of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name STATE G COM
8. Well No. 5
9. Pool name or Wildcat EUMONT YATES SRQ GAS

WELL COMPLETION OR RECOMPLETION REPORT AND LOG					
1a. Type of Well: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER _____					
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER _____					
2. Name of Operator ARCO Permian					
3. Address of Operator P.O. Box 1710, Hobbs, New Mexico 88240					
4. Well Location Unit Letter <u>U</u> : <u>990</u> Feet From The <u>S</u> Line and <u>890</u> Feet From The <u>W</u> Line Section <u>5</u> Township <u>21S</u> Range <u>36E</u> NMPM LEA County					
10. Date Spudded 02/01/96	11. Date T.D. Reached 02/06/96	12. Date Compl (Ready to Prod.) 02/26/96	13. Elevations (DF & RKB, RT, GR, etc.) 3582' GR	14. Elev. Casinghead	
15. Total Depth 3700'	16. Plug Back T.D. 3639'	17. If Multiple Compl. How Many Zones? NO	18. Intervals Drilled By	Rotary Tools	Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name YATES 2786', 7 RIVERS 2909' QUEEN 3204'					20. Was Directional Survey Made NO
21. Type Electric and Other Logs Run COMPENSATED NEUTRON					22. Was Well Cored NO

23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	409	12-1/4"	350 SX C	CIRC
5-1/2"	15.5#	3700	7-7/8"	850 SX C	CIRC

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	3593'	NA

26. Perforation record (interval, size, and number) 3046-3609', 36 SHOTS, .40 HOLE SIZE			27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
			DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
			3046-3609	3600 GALS 15% HCL FRAC W/226
			.080# 12/20 BR	ADY 50,460# 12/20 RESIN 189
			TONS CO2	

28. PRODUCTION							
Date First Production 02/26/96		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOW				Well Status (Prod. or Shut-in) PROD	
Date of Test 02/28/96	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl. 0	Gas - MCF 353	Water - Bbl. 1	Gas - Oil Ratio 0
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD	Test Witnessed By
--	-------------------

30. List Attachments COMPENSATED NEUTRON, INCLINATION REPORT

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Kellie D. Murrish Printed Name Kellie D. Murrish Title Admin. Asst. Date 03/06/96

Chevron



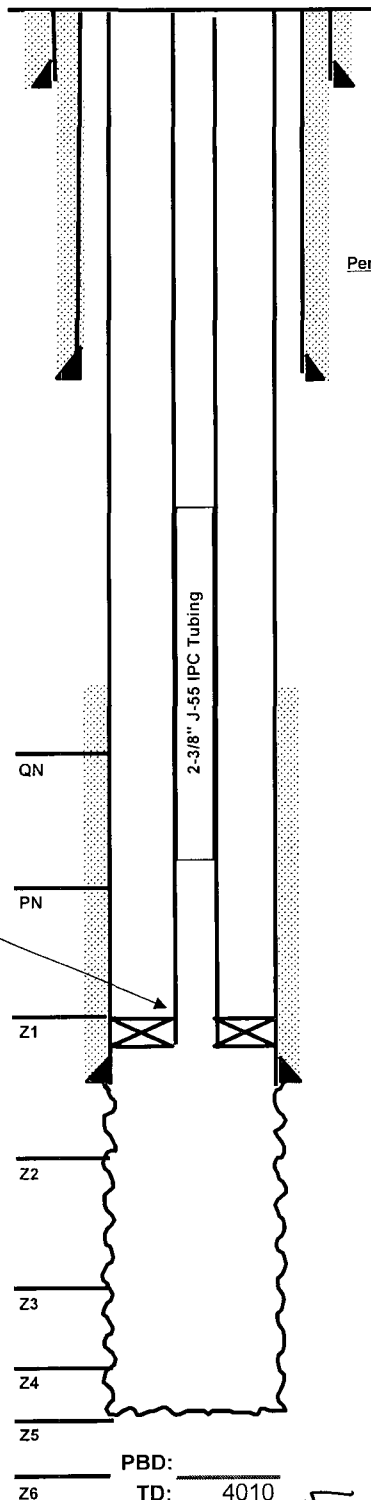
Current Wellbore Diagram

 LEASE: EMSU WELL: 222

 LOC: 3300' F S L & 1980' F E L SEC: 6
 TOWNSHIP: 21S CNTY: Lea
 RANGE: 36E UNIT: O ST: N.M.

(formerly: H.T. Orcutt NCT-A #6)

FORM: Grayburg / San Andres DATE: _____
 GL: 3573' STATUS: Injector
 KB: 3573' API NO: 30-025-04531
 DF: _____ CHEVNO: FA 5673:01
Date Completed: 11/11/1936Initial Production: 1/ 600 BOPD / 0 BWPDInitial Formation: GrayburgFROM: 3767' to 3873' / GOR 6420
 16" OD
 70# CSG
 Set @ 34' W/ 60 SX
 Cmt circ.? yes
 TOC @ surf. by _____
 (17-1/2" hole)

 7-5/8" OD
 22# CSG 8rd
 Set @ 1165' W/ 600 SX
 Cmt circ.? Yes
 TOC @ surf. by _____
 (9-7/8" hole)


Perfs:

 Baker Loc-Set pkr @ 3720, O/O tool
 w/ 1.78" "F" profile Nipple & 120 jts
 2 3/8" IPC tbg

 5-1/2" OD
 17# CSG 10rd
 Set @ 3754 W/ 175 SX
 Cmt circ.? no
 TOC @ 2500' by temp log
 6 3/4" hole

Completion Data

11/12/36 ACDZ w/ 2000 gals acid.

Subsequent Workover or Reconditioning:

 8/15/56 Install ppg. equipment.
 4/25/74 ACDZ w/ 750 gals. A/W - 56 BO/ 6 BW. B/4 - 39 BO / 3 BWPD.
 7/8/81 ACDZ w/ 750 gals.
 1/88 Pulled PE. CO to 3873'. Deepen to 3948'. Log w/ GR, CCL, CNL, caliper. Ran PE. A/W - 3 BO/ 132 BW/ GOR 7666. B/4 - 5 BO/ 30 BW/ GOR 600.
 12/99 Deepen to 4010. Convert to injection.

Additional Data:

 T/Queen Formation @ 3380'
 T/Penrose Formation @ 3539'
 T/Grayburg Zone 1 @ 3730'
 T/Grayburg Zone 2 @ 3789'
 T/Grayburg Zone 2A @ 3859'
 T/Grayburg Zone 3 @ 3910'
 T/Grayburg Zone 4 @ 3953'
 T/Grayburg Zone 5 @ 4026'
 T/Grayburg Zone 6 @ 4090'
 T/San Andres Formation @ 4119'
 KB @ 3573'

Chevron



WELL DATA SHEET

LEASE: EMSU WELL: 223WIC

FORM: Grayburg / San Andres

DATE:

 LOC: 3300' F S L & 660' F E L SEC: 6
 TOWNSHIP: 21S CNTY: Lea
 RANGE: 36E UNIT: P ST: N.M.

 GL: 3592'
 KB: 3592'
 DF:

 STATUS: Injector
 API NO: 30-025-04530
 CHEVNO: FA 5672:01

formerly H.T. Orcutt /NCT-A/ #4

Date Completed: 6/27/1936

Initial Production: 1/ 300 BOPD / 0 BWPD / GOR 2333

Initial Formation: Grayburg

FROM: 3738' to 3902'

Completion Data

 ACDZ w/ 1000 gals 14% Dowell X chased w/ 15 BO. ACDZ w/ 3000 gals
 14% Dowell X chased w/ 25 BO.

Subsequent Workover or Reconditioning:

10/55 Install pumping equip. 17 BO/10 BW
 2/64 ACDZ w/ 500 gals 15% NeFe acid.
 4/74 Acid scale treat w/ 1000 gals 15% NEA.
 6/87 Deepen to 3967'. Run OH logs; convert to injection. Dug up cellar & repipe csg valve to surface. Put on inj. @ 720 BWIPD @ 0 psig.
 10/92 Found casing lk @ 2079-2143'. GHIH, tag fill @ 3934'. CO to TD. ACDZ OH w/ 3000 gal 15% NeFeA. GIH & set 5-1/2" Baker TSN pkr @ 3689'. RU Halliburton & pump 50 bbls pkr fluid, then 10-12 bbls of ANGARD (GEL SQUEEZETYPE MAT'L). Displace w/ 30.5 bbls pkr fluid. Test ann. to 480 psi. Lost dn to 440 psi in 30 mins. RTI. Tst: 576 BWIPD @ 40 psig.
 10/94 ACDZ w/ 4500 gals 15% NeFe HCl w/ Pentol 100 system. A - 1697 BWIPD @ 145 psi B - 504 BWIPD @ 650 psi.
 1/28/98 Coiled tbg unit to ACDZ OH w/ 2660 gals 15% 90/10 Resisol II w/ 70Q foamed 10# brine down the annulus. TOTPS for inj.
 6/2000 Ran isolation packer in open hole.
 10/2000 Acidize with 2500 gals using CTU

Additional Data:

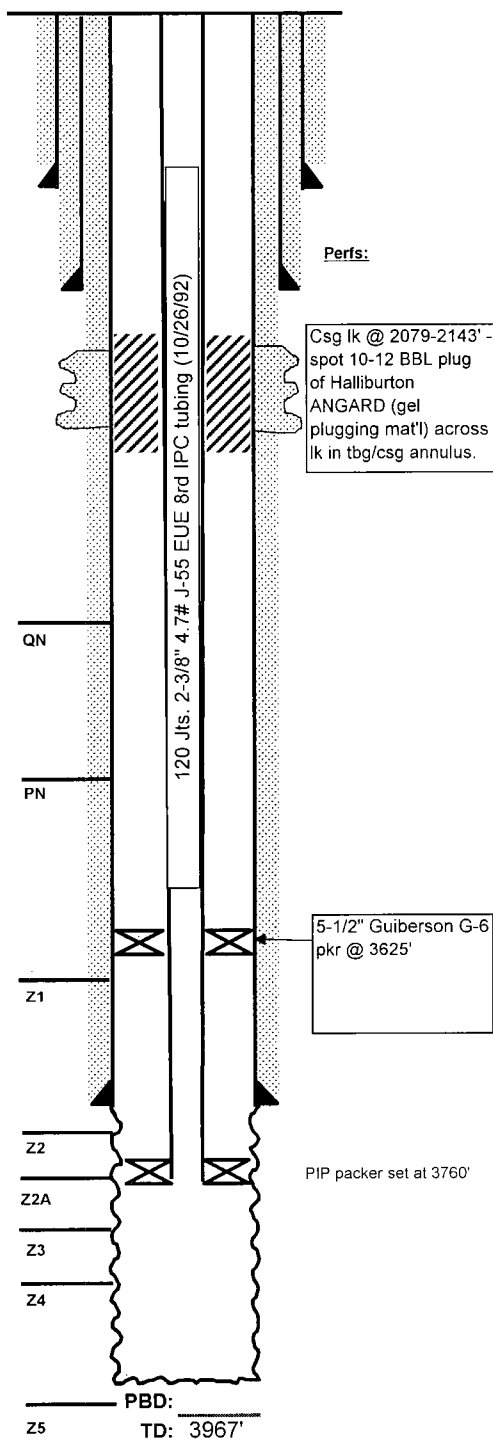
T/Queen Formation @ 3362'
 T/Penrose Formation @ 3514'
 T/Grayburg Zone 1 @ 3699'
 T/Grayburg Zone 2 @ 3752'
 T/Grayburg Zone 2A @ 3810'
 T/Grayburg Zone 3 @ 3870'
 T/Grayburg Zone 4 @ 3915'
 T/Grayburg Zone 5 @ 3988'
 T/Grayburg Zone 6 @ 4040'
 T/San Andres Formation @ 4074'
 KB @ 3592'

 10-3/4" OD
 32# CSG
 Set @ 350' w/ 250 SX
 Cmt circ.? yes
 TOC @ surf. by calc.
 (10-3/4" hole)

 7-5/8" OD
 26# CSG 8rd
 Set @ 1205' w/ 300 SX
 Cmt circ.? yes
 TOC @ surf. by calc.
 (9-7/8" hole)

Tubing Detail: 10/26/92

KBTH: 6.50'
 120 Jts. 2-3/8" 4.7# J-55 EUE IPC
 tbg: 3680.85'
 Guiberson XL O/O w/ 1.78 1.96'
 Baker TSN -2 w/ 34,000 Shear
 Baker Pump Out Plug 5.40'
 Landed @ 3695.21'

 5-1/2" OD
 17# CSG 10rd
 Set @ 3701' w/ 300 SX
 Cmt circ.? no
 TOC @ 419' by calc.


FILE: EMSU223WB.XLS



WELL DATA SHEET

LEASE: EMSU WELL: 245WIC
LOC: 1980 ' F S L & 660 ' F W L SEC: 5
TWN: 21S CNTY: Lea
RANGE: 36E UNIT: T ST: N.M.

FORM: Grayburg / San Andres DATE: _____
GL: 3584 STATUS: Injector
KB: 3584 API NO: 30-025-04498
DF: 10 CHEVNO: FA5640:01

Date Completed: 11/9/1935 Initial Prod.: 2304 BO/ 0 BW
Initial Formation: Grayburg
FROM: 3769' to 3856'

Completion Data

11/35 - Natural OH completion.

Subsequent Workover or Reconditioning:

6/48 - Acdz 3815-3856' w/ 500 gals.
2/51 - Deepen to 3899'. ACDZ OH w/ 5000 gals.
4/52 - ACDZ Grayburg 3770-3880' w/ 500 gals Dowell 20% acid.
3/86 - Chemical treat.
3/86 - Acid dump job. 1000 gals 15% NeFe.
1/88 - CO WH. Deepen to 4051'. Log w/ GR, CCL, CNL, Cal. RIH w/ pkr on 2-3/8" IPC tbg. Set pkr @ 3734'. Test to 600 psi f/30 min - OK. PWOI : 710 BWPD @ vac.
1/29/98 - ACDZ 3820-40' w/ 500 gal 15% 90/10 Resisol II & 3870-4050' w/ 2000 gal 15% 90/10 Resisol II w/ 70Q foamed 10# brine down ann. Well was dead - RTI.

Additional Data:

T/Queen Formation @ 3394'
T/Penrose Formation @ 3562'
T/Grayburg Zone 1 @ 3765'
T/Grayburg Zone 2 @ 3815'
T/Grayburg Zone 2A @ 3872'
T/Grayburg Zone 3 @ 3941'
T/Grayburg Zone 4 @ 4015'
T/Grayburg Zone 5 @ 4085'
T/Grayburg Zone 6 @ 4150'
T/San Andres Formation @ 4213'
KB @ 3584'

Current

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

12-1/2" OD # Thd
CSG
Set @ 254' W/ 200 SX
Cmt circ.? Yes
TOC @ 28' by calc
(17-1/2" hole)

8-5/8" OD # Thd
CSG
Set @ 1377' W/ 700 SX
Cmt circ.? Yes
TOC @ surf 'by calc
(11" hole)

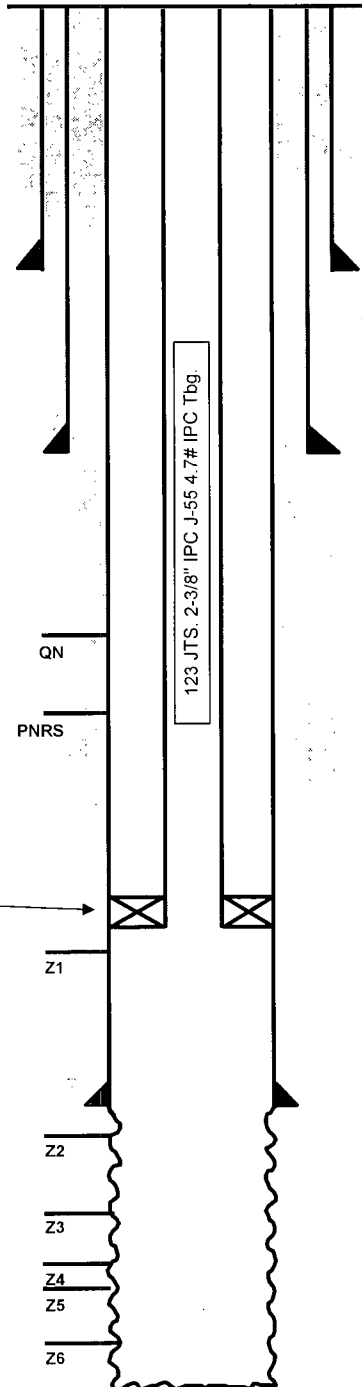
Tubing Detail: 1/16/88

KBTH: 0.00'
122 Jts. 2-3/8" 4.7# J-55 EUE: 3728.08'
1 Jt. 2-3/8" 4.7# J-55 EUE: 31.53'
Baker TSN Pkr 5.57'

Landed @ 3733.65'

Baker TSN @ 3734'

5-1/2" OD # Thd
CSG
Set @ 3769' W/ 800 SX
Cmt circ.? Yes
TOC @ surf 'by calc
(6-3/4" hole)



PBD: _____
TD: 4051'

FILE: EMSU245WB.XLS

WELLBORE DIAGRAM

LEASE: EMSU WELL: 246

LOC: 1980' F S L & 660' F E L SEC: 6

TOWNSHIP: 21S CNTY: Lea

RANGE: 36E UNIT: Q ST: N.M.

FORM: Grayburg / San Andres DATE:

GL: 3576' STATUS: Producer

KB: 3576' API NO: 30-025-04527

DF: CHEVNO: FA 5669:01

Date Completed: 1/15/1936

Initial Production: 1/ 187 BOPD / 0 BWPD

Initial Formation: Grayburg

FROM: 3752' to 3885' / GOR 1070

Completion Data

ACDZ OH w/ 2000 gals 60% HCl solution, then 3000 gals 60% HCl solution.

Subsequent Workover or Reconditioning:

3/53 Install ppg. equipment. Tst: 141 BO/ 0 BW / GOR 289. B/4 - 75 BO/ 0 BW.

8/71 Dump acid 500 gals dbl inhib 15% NeA. Tst 107 BO/ 2 BW. B/4 - 58 BO / 2 BWPD.

1/88 CO & deepened to 3976'. Test: 26 BO / 0 BW / 16 MCFG. B/4 test: 60 BO / 19 BW / 10 MCFG.

8/89 Chemical squeezed.

4/91 Upsize pumping equipment. Test - 95 BO/ 132 BW/ 16 MCFGPD. FL = SN. B/4 - 77 BO/ 1 MCFGPD. FL = 471' ASN.

8/96 ACDZ OH w/ 7500 gals resisol II in 4 stages. Swb. RTP.

7/99 Acidize 3779-3976 w/ 4000 gals with PIP packer

Additional Data:

T/Queen Formation @ 3390'

T/Penrose Formation @ 3538'

T/Grayburg Zone 1 @ 3726'

T/Grayburg Zone 2 @ 3778'

T/Grayburg Zone 2A @ 3848'

T/Grayburg Zone 3 @ 3905'

T/Grayburg Zone 4 @ 3955'

T/Grayburg Zone 5 @ 4028'

T/Grayburg Zone 6 @ 4096'

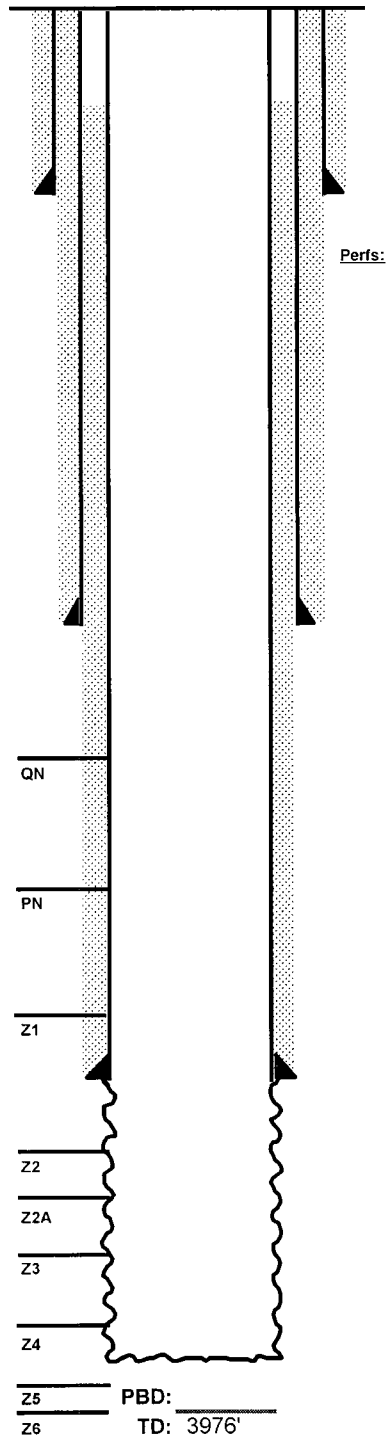
T/San Andres Formation @ 4131'

KB @ 3576'

10-3/4" OD
40# CSG
Set @ 350' W/ 250 SX
Cmt circ.? yes
TOC @ surf. by calc.
(13-3/4" hole)

7-5/8" OD
26# CSG 8rd
Set @ 1211' W/ 300 SX
Cmt circ.? Yes
TOC @ surf. by calc.
(9-7/8" hole)

5-1/2" OD
17# CSG 10rd
Set @ 3752' W/ 300 SX
Cmt circ.? no
TOC @ 433' by calc.
(6-3/4" hole)



Updated Wellbore Diagram

LEASE: EMSU WELL: 247WI
 LOC: 1980' F S L & 2120' F E L SEC: 6
 TOWNSHIP: 21S CNTY: Lea
 RANGE: 36E UNIT: R ST: N.M.

FORM: Grayburg / San Andres DATE:
 GL: 3574' STATUS: Injector
 KB: 3587' API NO: 30-025-29575
 DF: 13' CHEVNO: FV 7057-01

Date Completed: 12/17/1986
 Initial Production: 12 BOPD / 135 BOPD / GOR 1333
 Initial Formation: Grayburg
 FROM: 3700' to 3966'

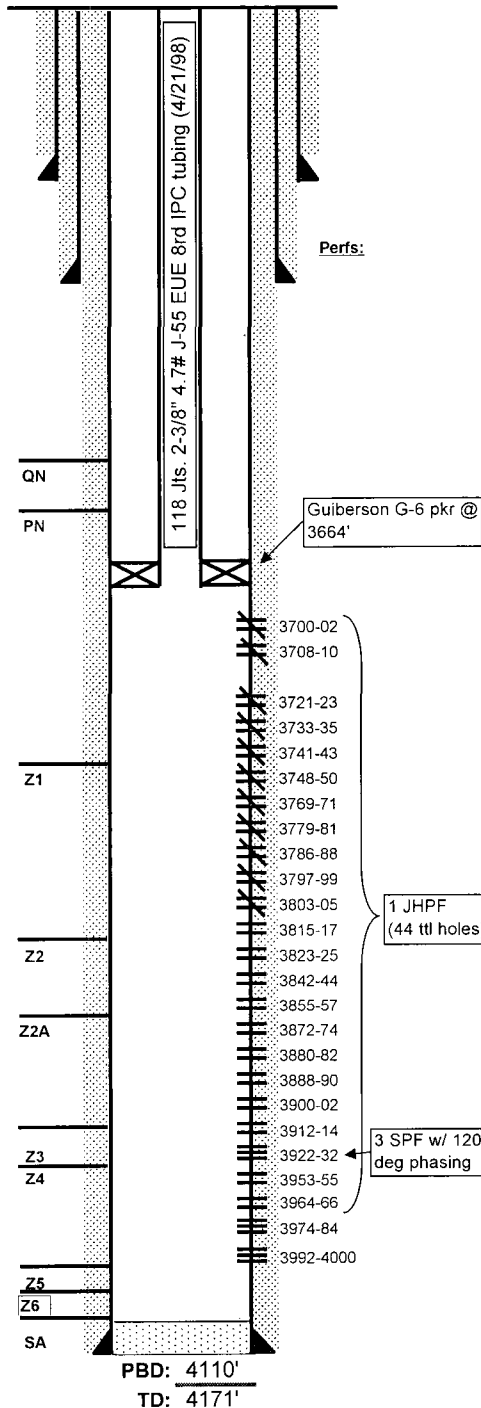
11-3/4" OD
 42# CSG
 Set @ 348' W/ 325 SX
 Cmt circ.? yes
 TOC @ surf. by calc.
 (14-3/4" hole)

8-5/8" OD
 24# CSG
 Set @ 2632' W/ 625 SX
 Cmt circ.? yes
 TOC @ surf. by calc.
 (11" hole)

Tubing Detail: 11/04/04
 KBTH: 12.50'
 118 Jts. 2-3/8" 4.7# J-55 EUE IPC
 tbgs: 3643.77'
 XL O/O Tool w/ 1.781 "F" Nipple
 1.50'
 Lok-Set Injection Packer 7.10'
 1 WL Re-Entry Guide 0.40'
 Landed @ 3665.27'

5-1/2" OD
 15.5# CSG
 Set @ 4155' W/ 525 SX
 Cmt circ.? yes
 TOC @ surf. by calc.
 (7-7/8" hole)

FILE: EMSU247WB.XLS



Completion Data

12/86 Perf 3953-55 & 3964-66 (1 JHPF). ACDZ w/ 600 gals 15% NeFe HCl.
 Perf 3700-02, 3708-10, 3721-23, 3733-35, 3741-43, 3748-50, 3769-71, 3779-81, 3786-88, 3797-99, 3803-05, 3815-17, 3823-25, 3842-44, 3855-57, 3872-74, 3880-82, 3888-90, 3900-02 & 3912-14 (1 JHPF/40 total holes). ACDZ w/ 3500 gal 15% NeFe HCl.

Subsequent Workover or Reconditioning:

12/87 Put on injection: 720 BWIPD @ 0 psig.
 5/94 ACDZ w/ 5000 gals 15% NeFe / Unisol mix.
 A - 1490 BWIPD @ 0 psi B - 360 BWIPD @ 552 psi
 1/27/97 POOH w/ pkr. Tag @ 3983. Dump 2600# frac sand.
 1/28/97 Tag @ 3683. Clean out sand to 3810'.
 1/29/97 Set CICR @ 3630'. M&P 125 SX Cl C + additives. SQZD 97 SX in form.
 Drill cmt & CICR to 3809'. Circ. hole clean. SFL @ surf. EFL @ 1200'. CO sand & scale to 4110'.
 2/3/97 ACDZ w/ 1500 gals Resisol II f/ 3815-3966'.
 2/4/97 RIH w/ pkr, set @ 3677 (118 jts 2-3/8" IPC tbgs). TOTP.
 4/13/98 Perf 3992-4000, 3974-84 & 3922-32 (3 SPF). ACDZ OH w/ 2500 gals 15% 90/10 Resisol II and N2. Dump 4500# 20/40 sand. Wash sd to 3798', circ. clean. Set CIBP @ 3794'. ACDZ w/ 1000 gals 15% 90/10 HCl. Set CICR @ 3636'. M&P 200 SX Cl C and SQZD 31 SX in form. D/O CICR, cmt & CIBP to 3794'. Wash sd to 4110'. Set pkr @ 3664'. Run MIT. RTI 4/21/98.
 11/1999 attempt to acidize w CTU and had communication.
 10/2000 Acidize w CTU w 3500 gals foamed acid w/ Vortech tool
 11/2004 Tagged fill @ 4025', RIH w/ 5 1/2" AS1X pkr on 2 3/8" 4.7# J-55 EUE 8rd, IPC Injection tubing, set packer @ 3644', Ran MIT (test not witnessed by NM OCD), RWTI on 11/20/04.

Additional Data:

T/Queen Formation @ 3404'
 T/Penrose Formation @ 3558'
 T/Grayburg Zone 1 @ 3747'
 T/Grayburg Zone 2 @ 3809'
 T/Grayburg Zone 2A @ 3868'
 T/Grayburg Zone 3 @ 3911'
 T/Grayburg Zone 4 @ 3941'
 T/Grayburg Zone 5 @ 4009'
 T/Grayburg Zone 6 @ 4047'
 T/San Andres Formation @ 4079'
 KB @ 3587'

Chevron



TA WELL DATA SHEET

LEASE: EMSU WELL: 248

 LOC: 1980' F S L & 1822' F W L SEC: 6
 TOWNSHIP: 21S CNTY: Lea
 RANGE: 36E UNIT: S ST: N.M.

(formerly: State "K" Co NCT-A #6)

FORM: Grayburg / San Andres DATE:

 GL: 3567' STATUS: SI Producer
 KB: 3578' API NO: 30-025-04521
 DF: CHEVNO: FA 5663:01

 Date Completed: 7/2/1936
 Initial Production: 1/ 528 BOPD / 0 BWPD
 Initial Formation: Grayburg
 FROM: 3773' to 3867' / GOR 1335

Completion Data

None - natural completion.

Subsequent Workover or Reconditioning:

9/48 Perf 5-1/2" csg 3703-3734'. ACDZ 3703-33' w/ 500 gals 20% acid. ACDZ 3776-3735' w/ 500 gals 20% acid (refer to previous WB diagram).

9/10/40 PB to 3846' w/ 3 SX cement.

6/47 PB to 3807'.

10/8/51 PB to 3625' & perf 2970-3015' and 3053-3120'.

1/20/70 ACDZ perfs w/ 1500 gals 28% acid.

4/30/74 Perf 3420-57' & ACDZ w/ 2000 gals. FRAC 3420-3457' w/ 11,500 gals Gel brine & 11,000# sand.

7/87 SQZD perfs 2970-3120, 3703-34 & 3420-57. D/O to 3867'. Test csg to 550 psi f/ 30 min - OK.

10/28/88 Chemical squeeze.

6/7/89 Chemical squeeze.

3/14/90 Chemical squeeze.

5/9/01 MIRU, L/D rods, prod pmp, & 2-7/8" tbg, and GIH w/ 4-3/4" bit & 5-1/2" csg scrapper, to 3710'. Set CIBP @ 3678', circ well w/ pkr fluid. Well TA'd.

Additional Data:

T/Queen Formation @ 3420'

T/Penrose Formation @ 3575'

T/Grayburg Zone 1 @ 3755'

T/Grayburg Zone 2 @ 3819'

T/Grayburg Zone 2A @ 3868'

T/Grayburg Zone 3 @ 3928'

T/Grayburg Zone 4 @ 3958'

T/Grayburg Zone 5 @ 4046'

T/Grayburg Zone 6 @ 4107'

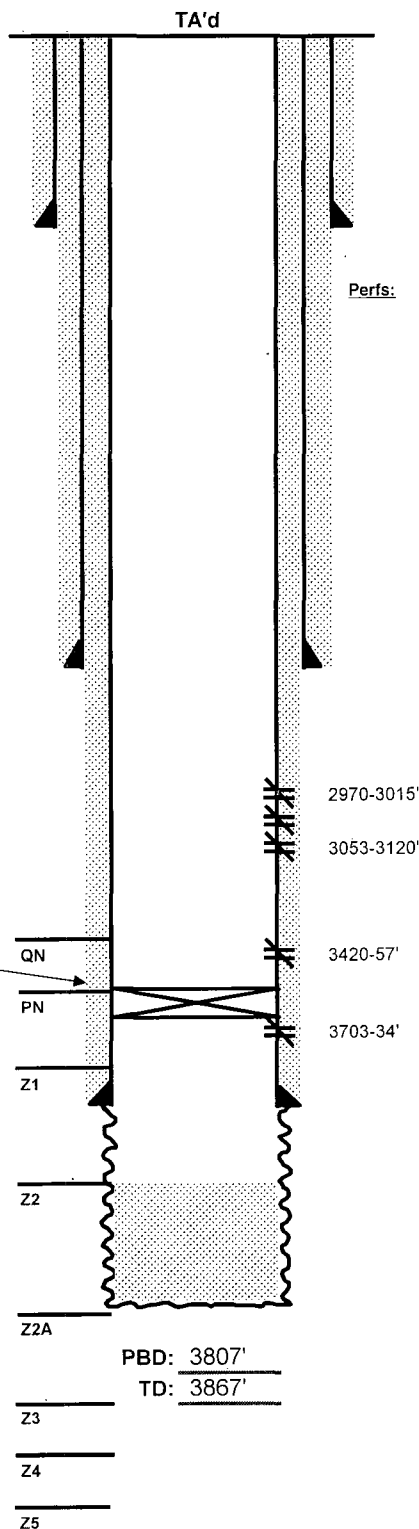
T/San Andres Formation @ 4151'

KB @ 3578'

 12-1/2" OD
 CSG
 Set @ 281' W/ 200 SX
 Cmt circ.? yes
 TOC @ surf. by calc.
 (16" hole)

 8-5/8" OD
 32# CSG 10rd
 Set @ 1388' W/ 800 SX
 Cmt circ.? Yes
 TOC @ surf. by calc.
 (11-3/4" hole)

 5-1/2" OD
 17# CSG 10rd
 Set @ 3770' W/ 800 SX
 Cmt circ.? yes
 TOC @ surf. by calc.
 (7-7/8" hole)

 OCD TA-PROPOSAL,
 Set CIBP @ 3678', Circ
 hole w/Pkr fluid


FILE: EMSU248WB.XLS

Chevron



WELL DATA SHEET

LEASE: EMSU WELL: 251WI

FORM: Grayburg / San Andres DATE:

 LOC: 660' F S L & 1980' F W L SEC: 6
 TOWNSHIP: 21S CNTY: Lea
 RANGE: 36E UNIT: V ST: N.M.

 GL: 3581' STATUS: Injector
 KB: 3578' API NO: 30-025-04520
 DF: CHEVNO: FA 5662:01

(formerly: State "K" #1)

 Date Completed: 5/20/1936
 Initial Production: 1/1480 BOPD / 0 BOPD
 Initial Formation: Grayburg
 FROM: 3745' to 3860' / GOR 0

Completion Data

5/36 Natural completion.

Subsequent Workover or Reconditioning:

10/43 Acdz 3820-3886 w/ 600 gals 15% acid
 10/44 Acdz 3820-3886 w/ 300 gals 15% acid
 1/48 Acdz w/ 200 gals
 1/50 Acdz 3795-3842 w/ 500 gals 20% acid
 5/59 Well pmpg 28 BO/722 BW
 8/21/87 Tag fill @ 3871'. Deepen to 3910'. Log w/ CNL, GR, CCL, caliper. RIH w/ PE. RTP.
 2/88 Tag fill @ 3841'. Deepen to 4059'. Log w/ cal, CNL, GR, CCL. RIH w/ 5-1/2" Baker TSN-2 pkr on 123 jts 2-3/8" IPC J-55 4.7# EUE 8rd tbg to 3753'. Set pkr @ 3759' w/ 7K compression.
 1/30/97 TOH w/ pkr.
 1/31/97 Dump 5200# frac sand, tag 3865'.
 2/4/97 Set CIRC @ 3697, cmt w/ 125 SX Class C.
 2/5/97 Tag cmt @ 3637, D/O cmt & CIRC to 3850, void to 3852'. D/O cmt to 3865'. C/O sand to 4000'.
 2/6/97 C/O sand to 4059'. RIH w/ inj equipment to 3737'. TOTP.

Additional Data:

T/Queen Formation @ 3418'
 T/Penrose Formation @ 3584'
 T/Grayburg Zone 1 @ 3765'
 T/Grayburg Zone 2 @ 3832'
 T/Grayburg Zone 2A @ 3885'
 T/Grayburg Zone 3 @ 3948'
 T/Grayburg Zone 4 @ 3977'
 T/Grayburg Zone 5 @ 4059'
 T/Grayburg Zone 6 @ 4120'
 T/San Andres Formation @ 4165'
 KB @ 3590'

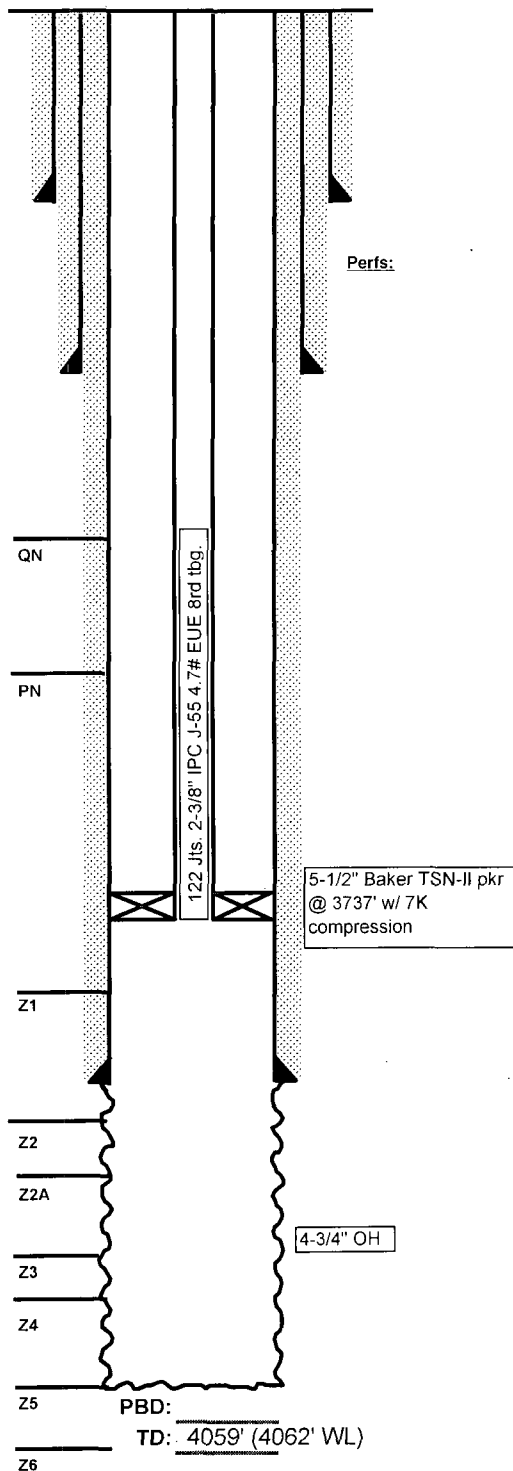
12-1/2" OD
 CSG
 Set @ 254' W/ 250 SX
 Cmt circ.? Yes
 TOC @ surf. by calc.
 (17-1/2" hole)

11" OD
 32# CSG 10rd
 Set @ 1390' W/ 720 SX
 Cmt circ.? Yes
 TOC @ surf. by calc.
 (11" hole)

Tubing Detail: 2/6/97

Original KB to THF: 0.00'
 1 Jt. 2-3/8" J-55 4.7# EUE 8rd IPC tbg: 31.24'
 2 - 6' X 2-3/8" IPC Tbg Subs: 12.15'
 2 - 4' X 2-3/8" IPC Tbg Subs: 8.20'
 121 Jts. 2-3/8" J-55 4.7# EUE 8rd IPC tbg: 3679.65'
 5-1/2" X 2-3/8" PC XL O/O Tool w/ 1.78 "F" Nipple: 1.97'
 5-1/2" X 2-3/8" GIV inj pkr 17-20#: 3.73'
 2-3/8" Nickle plated Pump Out plug: 0.55'
 Landed @ 3737.49'

5-1/2" OD
 17# CSG 10rd
 Set @ 3796' W/ 700 SX
 Cmt circ.? Yes
 TOC @ surf. by calc.
 (7-5/8" hole)



FILE: EMSU251WB.XLS

Chevron



WELL DATA SHEET

LEASE: EMSU

WELL: 252

FORM: Grayburg / San Andres

DATE:

LOC: 660' F S L & 1980' F E L

SEC: 6

GL: 3588'

STATUS: P+A

TOWNSHIP: 21S

CNTY: Lea

KB: 3588'

API NO: 30-025-04528

RANGE: 36E

UNIT: W

ST: N.M.

DF:

CHEVNO: FA 5670:01

(formerly: Graham State "NCT-E" #1)

Date Completed: 3/19/1936

Initial Production: 1/ 484 BOPD / 0 BWPD

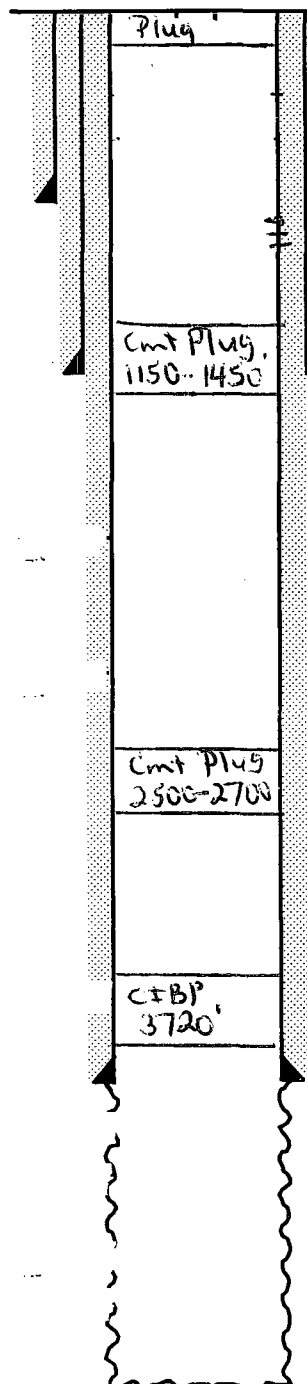
Initial Formation: Grayburg

FROM: 3769' to 3890' / GOR 2446

10-3/4" OD
40# CSG
Set @ 321' WI 250 SX
Cmt circ.? Yes
TOC @ surf. by calc.

7-5/8" OD
26# CSG 8rd
Set @ 1267' WI 250 SX
Cmt circ.? Yes
TOC @ surf. by calc.

5-1/2" OD
17# CSG 10rd
Set @ 3758' WI 300 SX
Cmt circ.? No
TOC @ 450' by calc.



CIBP @3720, 25 SXS CMT F/3720-3600 TAG

CMT PLG F/2700-2500 W/25 SXS

CMT PLG F/1450-1150 W/30 SXS

PERF @375 W/4 HOLES, SQZ 374-200 W/50 SXS TAG

CMT PLUG 10 SXS @ SURF

PBD:

TD: 3977'

FILE: EMSU252WB.XLS

Chevron



WELL DATA SHEET

LEASE: EMSU WELL: 253WIC

LOC: 660' F S L & 660' F E L SEC: 6

TOWNSHIP: 21S CNTY: Lea

RANGE: 36E UNIT: X ST: N.M.

FORM: Grayburg / San Andres DATE:

GL: 3586' STATUS: Injector

KB: 3586' API NO: 30-025-08702

DF: CHEVNO: FA 9766:01

Date Completed: 12/7/1935

Initial Production: F/511 BOPD

Initial Formation: Grayburg

FROM: 3761' to 3895' / GOR 2935

Completion Data

12/35 Natural OH completion.

Subsequent Workover or Reconditioning:

1/38 BHP @ -250' SS = 1208 psi.

11/38 Acdz w/ 2000 gals 15% acid. Tst: F/ 124 BO (1.6% wtr). 744 MCFG.

4/40 ACDZ w/ 1500 gals 15% & 1000 gals 7-1/2%. D/O prod. pkr & CO to TD. Pump several batches of Dowell formation plug chemical to shut off water to allow well to flow.

11/40 ACDZ w/ 1000 gals. Tst f/ 104 BO / 0 BW. GOR = 4271.

6/53 Install ppg. equipment. Tst: 87 BO / 0 BW / 68 MCFGPD.

2/54 SI pumping unit. Had 260# pressure on 5-1/2" csg. Oil (and gas) flowed intermittently out the csg. ann. Cmt'd dwn 7-5/8" X 5-1/2" ann. w/ 150 SX cmt. Circ. out 10-3/4 X 7-5/8" ann. Closed 10-3/4" & bradenhead - SQZD 450 Sx dwn ann. Ran TS, bomb stopped @ 2100'. Showed cmt 2100' fr surf. Reran survey. Bomb stopped @ 2587'. Showed cmt f/ 2587' to surf. Tst: 50 BO / 0 BWPD.

3/73 500 gal dump acid job. Tst: 68 BO / 5 BW. B/4 - 54 Bo / tr wtr.

2/79 Sd pmp 17' to TD. ACDZ w/ 750 gals 15% dbl. inhibit. acid. Tst: 70 BO / 60 BW.

10/79 ACDZ w/ 1000 gals dbl. inhibit. NeA. Tst: 46 BO / 11 BW. B/4 - 40 BO / 7 BW.

7/88 XO WH. CO junk to TD. Deepen to 4036'. GIH w/ TSN-II pkr on 2-3/8" IPC tbq. Circ. pkr fluid. Set pkr @ 3700'. Put on inj - Test: 711 BWIPD @ 0 psig.

10/94 ACDZ w/ 6000 gals 15% NeFeHCl w/ Pentol 100. A - 1950 BWIPD @ Vac. B - 767 BWIPD @ 692 psi.

2/2000 Ran isolation packer in open hole @ 3832'.

Additional Data:

T/Queen Formation @ 3406'

T/Penrose Formation @ 3554'

T/Grayburg Zone 1 @ 3731'

T/Grayburg Zone 2 @ 3790'

T/Grayburg Zone 2A @ 3896'

T/Grayburg Zone 3 @ 3958'

T/Grayburg Zone 4 @ 3989'

T/Grayburg Zone 5 @ 4040'

T/Grayburg Zone 6 @ 4095'

T/San Andres Formation @ 4125'

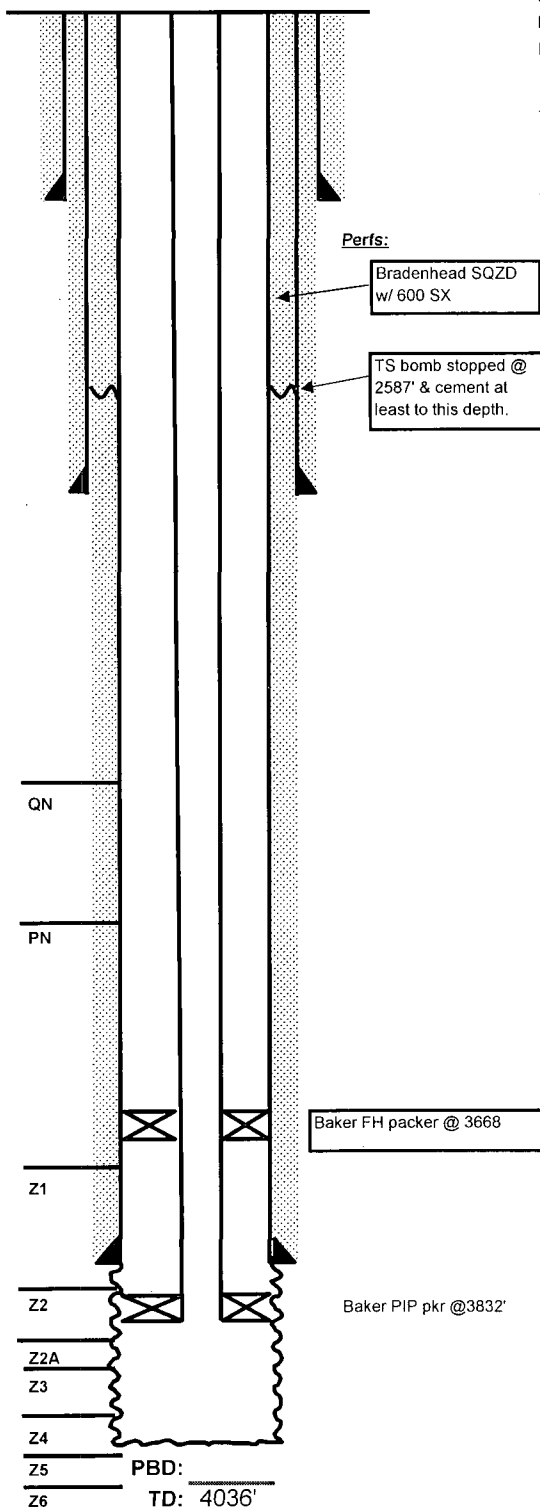
KB @ 3586'

10-3/4" OD
CSG
Set @ 318' W/ 250 SX
Cmt circ.? Yes
TOC @ surf. by calc.

7-5/8" OD
26# CSG
Set @ 2753' W/ 550 SX
Cmt circ.? Yes
TOC @ surf. by calc.

Tubing Detail:

1 jt EPC-IPC, IPC sub, 119 jts IPC, on-off tool w/ 1.81" 'F' profile, Baker FH pkr, 5 jts EPC-IPC, 1.81" 'F' profile nipple, WL entry guide



5-1/2" OD
17# CSG 10rd
Set @ 3761' W/ 25 SX
Cmt circ.? No
TOC @ 3484' by calc.

FILE: EMSU253WB.XLS

PBD:
TD: 4036'



WELL DATA SHEET

LEASE: EMSU WELL: 254
LOC: 660' F S L & 660' F W L SEC: 5
TOWNSHIP: 21S CNTY: Lea
RANGE: 36E UNIT: U ST: N.M.
(formerly: State "G" #2)

FORM: Grayburg / San Andres DATE: _____
GL: 3588' STATUS: Producer
KB: 3588' API NO: 30-025-04500
DF: _____ CHEVNO: FA 5642:01

Date Completed: 9/12/1935
Initial Production: 374 BOPD
Initial Formation: Grayburg
FROM: 3788' to 3904' / GOR 3000

Completion Data

9/35 Natural OH completion.

Subsequent Workover or Reconditioning:

3/44 ACDZ OH w/ 3000 gals 15% acid.
4/48 ACDZ OH w/ 500 gals 20% acid. Tst: 46 BOPD. B/4 - Tst: 29 BOPD Flwg.
8/49 ACDZ OH w/ 1000 gals 20% acid. Tst: 40 BOPD. B/4 - Tst: 28 BOPD Flwg.
4/50 ACDZ w/ 500 gals. 20% acid. Tst: 53 BO / 9 BWPD / GOR 5066 Flwg.
9/50 ACDZ w/ 3000 gals Acid. Tst: 41 BO / 17 BW. GOR = 10102 Flwg.
10/53 Install ppg. equipment. Tst: 53 BO / 14 BW / GOR 3000.
8/86 Production log: 4% - 3737-39', 83% - 3760-66', 13% - 3854-4000'.
10/86 CO & deepened to 4052'. ACDZ OH w/ 5000 gals 15% NeFeA in 4 stages. Swb dry 8 bbls in 6 runs. Tr oil. Perf 3724-26, 3737-39, 3760-62, 3764-66. ACDZ selectively as set perms w/ 125 gals 15% NeFeA. Swb dry 8 runs 7 BW. Chemical sqzd. Put on prod. Tst: 19 BO / 52 BW / 8 MCFGPD. FL = 187' ASN. B/4 - Tst: 6 BO / 4 BW / 5 MCFGPD.
7/96 Pickle tbq w/ 3000 gals 15% NeA. ACDZ w/ 7500 gals Resisol II in 6 stages. Swb. RIH w/ PE. TOTP
3/05 CO fill to 4052'. RIH 2.5" x 2-3/4" x 32' THBC pmp
5/05 CO to 4,052'. RIH w/ 2.5" x 2-3/4" x 32' x 3' x 4' pmp
6/05 Pmp 130 bbls of fresh wtr w/3 drums T-249 & 5 gals DP-61. Pmp inhibitor pill(133 bbls) dwn csg. Pmp 130 bbls of fresh wtr w/3 drums T-249 & 5 gals DP-61. Pmp inhibitor pill(133 bbls) dwn csg. Flush w/390 bbls of clean produced fluid w/15 gals RN-211(5 gals in each load).
7/05 increased SPM fr 3.7 to 4.3. FL 650 FAP.
3/06 Sonic Hammer washed open hole fr 3,724' to 4,052' w/100 bbls of 8.6# brine wtr while circ to half pit. Circ hole clean. SI backside. Sonic Hammered open hole w/5000 gals of 15% HCL(approx 20 bbls per stand). RIH w/ rented sub.

Additional Data:

T/Queen Formation @ 3403'
T/Penrose Formation @ 3551'
T/Grayburg Zone 1 @ 3739'
T/Grayburg Zone 2 @ 3785'
T/Grayburg Zone 2A @ 3849'
T/Grayburg Zone 3 @ 3931'
T/Grayburg Zone 4 @ 3984'
T/Grayburg Zone 5 @ 4064'
T/Grayburg Zone 6 @ 4135'
T/San Andres Formation @ 4198'
KB @ 3588'

12-1/2" OD
50# CSG
Set @ 79' w/ 200 SX
Cmt circ.? Yes
TOC @ surf. by calc.
(17-1/4" hole)

8-5/8" OD
32# CSG
Set @ 1378' w/ 800 SX
Cmt circ.? Yes
TOC @ surf. by calc.

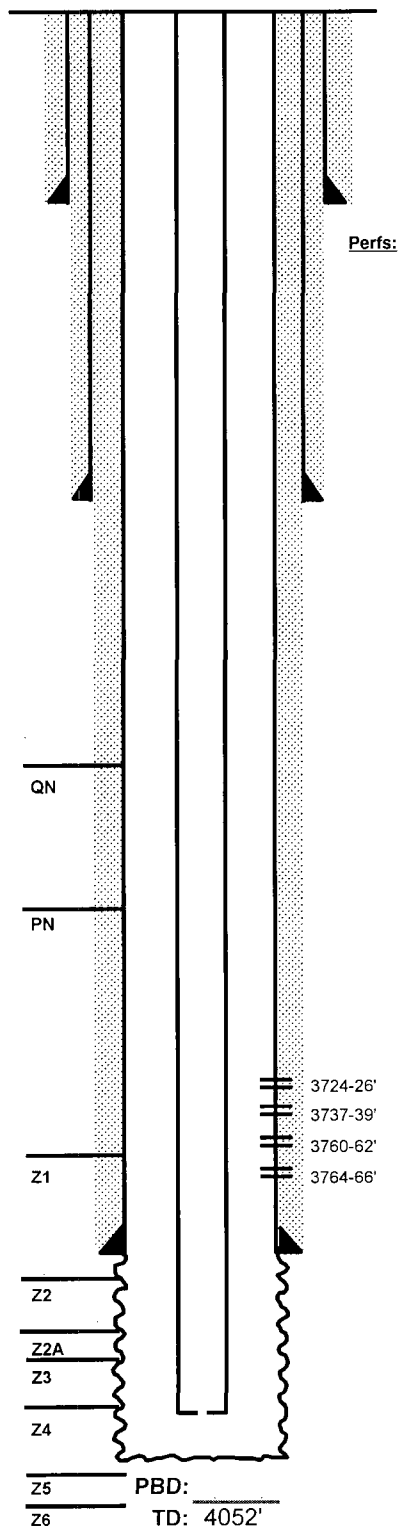
Tubing Detail: 7/10/96

Original KBTH: 0.00'
125 Jts. 2-7/8" 10V tbq: 3985.89'
Landed @: 3985.89'

Rod Detail: 7/10/96

1-1/2" X 22' Polished Rod
2 - 7/8" X 6' Subs
7/8" X 4' Sub
2 - 7/8" X 2' Sub
157- 7/8" N-97 Rods

5-1/2" OD
17# CSG 10rd
Set @ 3788' w/ 800 SX
Cmt circ.? Yes
TOC @ surf. by calc.
(7-3/4" hole)



FILE: EMSU254WB.XLS

Chevron



WELL DATA SHEET

LEASE: EMSU WELL: 286

LOC: 660' F N L & 660' F E L SEC: 7

TOWNSHIP: 21S CNTY: Lea

RANGE: 36E UNIT: ST: N.M.

FORM: Grayburg / San Andres DATE:

GL: 3590' STATUS: Producer

KB: 3590' API NO: 30-025-04540

DF: CHEVNO: FA 5682:01

Date Completed: 1/23/1936

Initial Production: F/298 BOPD

Initial Formation: Grayburg

FROM: 3760' to 3880' / GOR 15101

Completion Data

Natural OH completion.

Subsequent Workover or Reconditioning:

3/50 Install ppg equip. Tst: 112 Bo / 0 BWPD.

3/68 Ppd 500 gal Toluene. Test 56 Bo / 18 BW. B/4 - 38 BO / 2 BWPD.

6/68 Ppd 800 gal condensate+ dn csg. Tst 54 BO / 9 BWPD.

12/72 Ppd 50 bbls cond. Dn csg. Tst 51 BO / NMOW.

3/73 Perf OH 3770-3828' w/ 15 FP. Acdz OH w/ 4000 gal 15% acid in 4 stgs. Tst: 43 BO / 113 BWPD. B/4 tst: 35 BO / Tr wtr.

10/80 Scale treatment.

1/88 C/O & dpnd to 3990'. Put on prod. Test 3 BO / 116 BW / 8 MCFGPD. FL=61' ASN. B/4 tst: 15 BO / 12 BW / 3 MCFGPD.

8/90 Chem treatment.

12/92 Install larger pumping equip. Test: 76 BO / 181 BW / 14 MCFGPD. FL=0'

5/94 CO. Acdz 3750 gals 15%. Wash perms w/ prod. wtr w/perf clean tool. SWB 155 BBLS wtr, 6 BBLS oil. EFL @ 2400'. SN @ 3894'. Tst: A - 88 BO / 382 BW / 48 MCFG. B/4 - 56 BO / 158 BW / 10 MCFG.

2/14/98 Acdz w/ 2000 gals 15% 90/10 resisol II using 70Q foam as diverter.

8/1999 Acid below PIP packer 3808-3981 w 3000 gals 50% foam

Additional Data:

T/Queen Formation @ 3426'

T/Penrose Formation @ 3566'

T/Grayburg Zone 1 @ 3744'

T/Grayburg Zone 2 @ 3795'

T/Grayburg Zone 2A @ 3870'

T/Grayburg Zone 3 @ 3934'

T/Grayburg Zone 4 @ 3963'

T/Grayburg Zone 5 @ 4038'

T/Grayburg Zone 6 @ 4097'

T/San Andres Formation @ 4153'

KB @ 3590'

12-1/2" OD
40# CSG
Set @ 240' W/ 150 SX
Cmt circ.? No
TOC @ 25' by calc.

8-5/8" OD
28# CSG
Set @ 2689' W/ 500 SX
Cmt circ.? No
TOC @ 1410' by calc.

Tubing Detail: 2/16/98

Original KBTH: 10.00'

119 Jts. 2-7/8" J-55 6.5# EUE

tbq: 3672.78'

2-7/8" X 7" TAC 2.72'

8 Jts. 2-7/8" J-55 6.5# EUE 246.70'

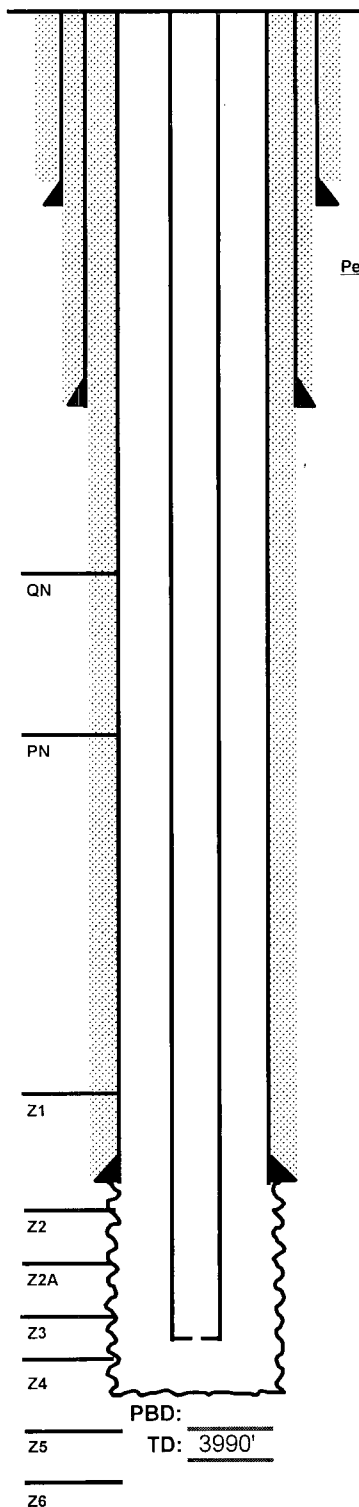
PUMP Barrel (2.5" X 2.25")

THBC-20-4-4): 25.07'

2-7/8" Slotted MA 16.00'

Landed @: 3973.27'

7" OD
24# CSG 10rd
Set @ 3760' W/ 100 SX
Cmt circ.? No
TOC @ 3058' by calc.



FILE: EMSU286WB.XLS

PBD:
TD: 3990'

Chevron

**WELL DATA SHEET**

LEASE: EMSU WELL: 287WI

LOC: 675' F N L & 2160' F E L SEC: 7

TOWNSHIP: 21S CNTY: Lea

RANGE: 36E UNIT: B ST: N.M.

FORM: Grayburg / San Andres DATE: _____

GL: 3595' STATUS: Injector

KB: 3613' API NO: 30-025-29909

DF: _____ CHEVNO: 1H 4137:01

Date Completed: 7/26/1987

Initial Production: _____

Initial Formation: GrayburgFROM: 3758' to 3984'**Completion Data**

Log w/ CBL, CET, GR, CCL. Perf 3972-84' (1JHPF). ACDZ w/ 1200 gals 15%. Swb 6/108 @ 9.4 BPH. EFL - 2700'.

Perf 3841-78, 3882-90, 3901-06 & 3928-56 (1JHPF). ACDZ w/ 5950 gal 15% w/ 120 BS. Good BA. Swb 3841-3984, rec 2/203 FeR 28 BPH. EFL - 2700'. Perf 3758-77, 3780-98, 3801-16, 3820-28 (1JHPF). Acdz w/ 4500 gals 15% w/ 90 Bs. Good BA. Swb 3758-3828'. Rec 100% wtr - FeR 19 BPH. EFL - 1800'. Run TSN on 121 jts 2 3/8" IPC. Pkr @ 3725'. TOP f/inj.

Subsequent Workover or Reconditioning:

9/89 CO to 4033'. Added perfs in zone 4 @ 4000-20' (2JHPF) Acdz w/ 1500 gals 15% NeFe & 50Bs. RIH w/inj tbg. Set pkr @ 3729' w/ 7 pts comp. - 1 jt 2-3/8" IPC Below pkr. EOT = 3760'. A/W: Inj 903 BWIPD @ 40 psi. B/4 - 936 BW @ 40#.

Additional Data:

T/Queen Formation @ 3456'

T/Penrose Formation @ 3604'

T/Grayburg Zone 1 @ 3783'

T/Grayburg Zone 2 @ 3840'

T/Grayburg Zone 2A @ 3928'

T/Grayburg Zone 3 @ 3965'

T/Grayburg Zone 4 @ 3985'

T/Grayburg Zone 5 @ 4054'

T/Grayburg Zone 6 @ 4104'

T/San Andres Formation @ 4150'

KB @ 3613'

8-5/8" OD
32# CSG K-55 LT&C
Set @ 1258' W/ 750 SX
Cmt circ.? Yes
TOC @ surf by calc.
(12-1/4" hole)

Tubing Detail: 7/26/87

Original KBTH: 17.00'

1 Jt. 2-3/8" J-55 4.7# 8rd EUE IPC

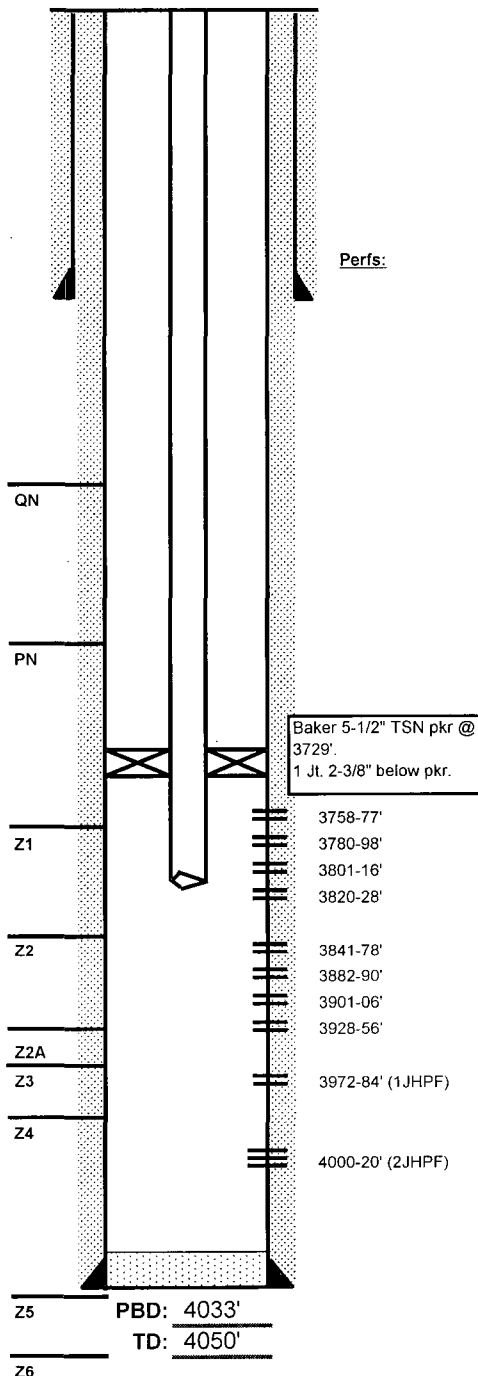
tbg w/ SC-850: 30.29'

120 Jts. 2-3/8" J-55 4.7# 8rd EUE

IPC tbg w/ TK-69: 3677.35'

Baker TSN 5-1/2" Inj Packer 5.45'

Landed @: 3730.09'



5-1/2" OD
15.5# CSG 8rd K-55 ST&C
Set @ 4049' W/ 600 SX
Cmt circ.? Yes
TOC @ 404' by calc.
(7-5/8" hole)

FILE: EMSU287WB.XLS



WELL DATA SHEET

LEASE: EMSU WELL: 288
 LOC: 330' F N L & 2310' F W L SEC: 7
 TOWNSHIP: 21S CNTY: Lea
 RANGE: 36E UNIT: C ST: N.M.

FORM: Grayburg / San Andres DATE: _____
 GL: 3607' STATUS: Producer
 KB: 3607' API NO: 30-025-04552
 DF: _____ CHEVNO: FA 5694:01

Date Completed: 5/8/1936
 Initial Production: F/878 BOPD
 Initial Formation: Grayburg
 FROM: 3826' to 3905'

12-1/2" OD
 50# CSG
 Set @ 260' w/ 275 SX
 Cmt circ.? Yes
 TOC @ surf. by calc.

9-5/8" OD
 40# CSG
 Set @ 1348' w/ 500 SX
 Cmt circ.? Yes
 TOC @ surf. by calc.

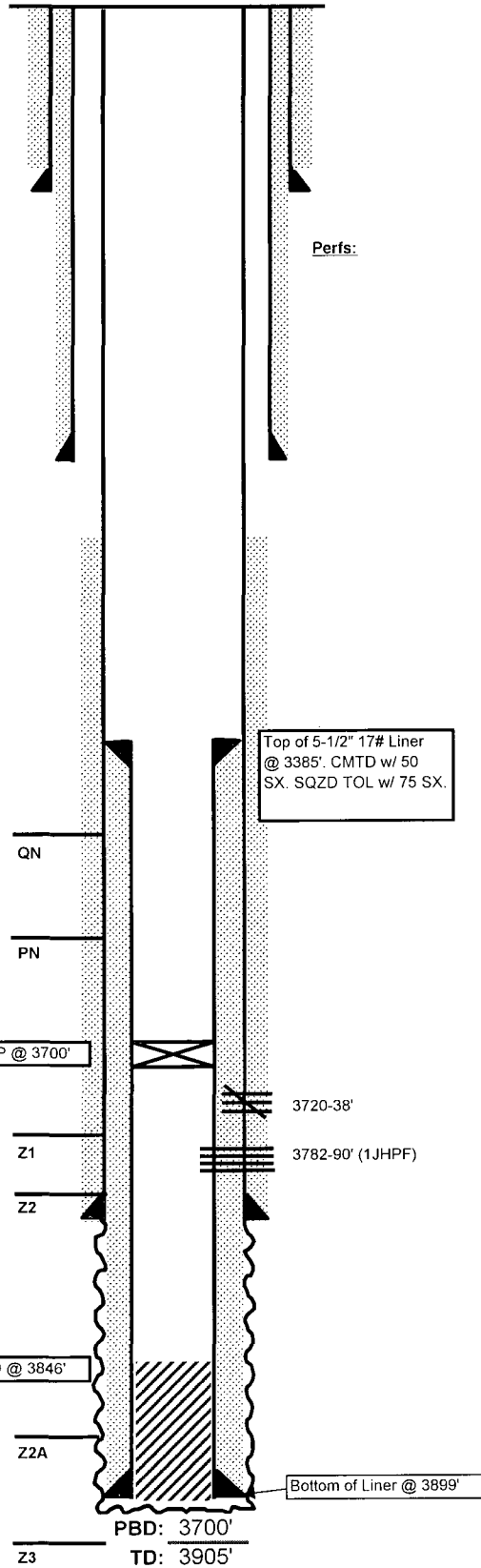
Tubing Detail:

Original KBTH: 0.00'

Landed @:

Rod Detail: 1

7" OD
 24# CSG
 Set @ 3826' w/ 250 SX
 Cmt circ.? No
 TOC @ 2289' by calc.



Completion Data

Natural OH completion.

Subsequent Workover or Reconditioning:

6/53 PB w/ pea gravel f/ 3903-3870'. PB w/ cmt 3870-3858'. Acdz w/ 2000 gal 15% HCl. Put on prod. Test: 38 BO / 55 BWPD. Workover performed to plug off water.
 1/75 T/A'd well as uneconomic.
 3/85 GIH tag @ 3905' ? (Arco) Test csg to 500 psi - OK. Turn over to Gulf.
 9/85 XO WH. Tag fill @ 3860'. CO to 3905'. Ran GR, CNL, CCL. Acdz w/ 3500 gal 15% NeFeA. Swb. Chem sqzd. Put on prod. Test: 10 BO / 318 BW / 32 MCFPD. B/4: T/A'd.
 7/86 Chem sqzd.
 11/87 Perf 3720-38' w/ 1JHPF. Acdz perms w/ 1600 gal 15% NeFeA & 27 RCNBs. Swb 126 BW Tr oil, 23 runs. SFL=1500', EFL=2150'. Run 5-1/2" 17# Liner. TOL @ 3385'. Btm liner @ 3899'. Cmt liner w/ 50 SX. Sqzd liner top w/ 75 SX. D/O cmt to 3846'. Ran CBL/CET Log. Perf 3782-3790' w/ 1JHPF. Acdz w/ 1000 gal 15% NeFeA. Swb 5 BW / 0 BO in 1/2 hr. FL=1100', swb. SFL=1600'. EFL=1850'. 18 runs, rec 60 BW. Put on prod. Test: 3 BO / 406 BW / 9 MCFG. FL=1189' ASN. B/4 - 4 BO / 596 BW / 23 MCFG.
 1/90 POH w/ equip. Set CIBP @ 3700'. GIH circ inhib - fl. POH. Well T/A'd.

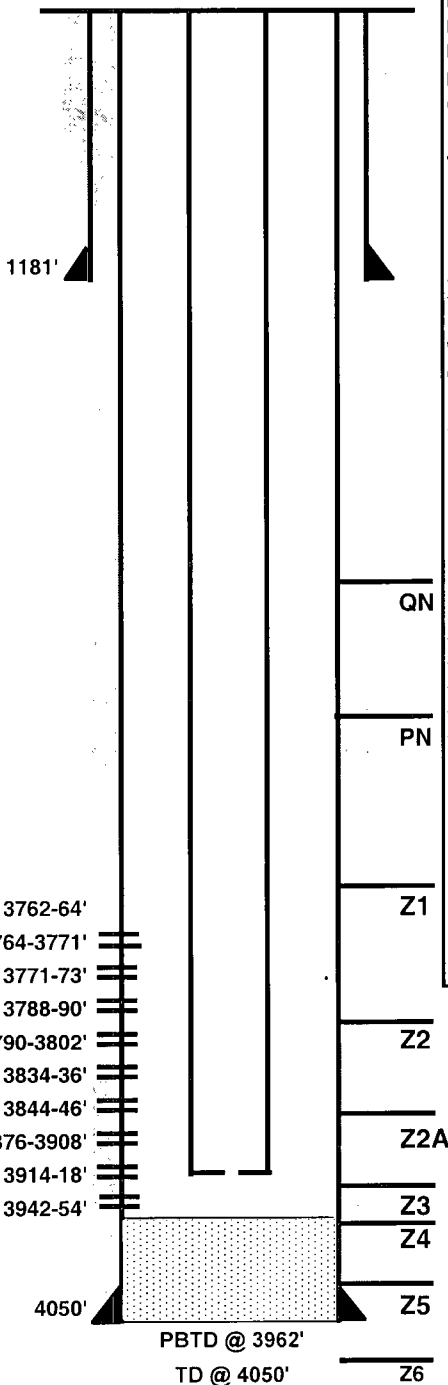
Additional Data:

T/Queen Formation @ 3418'
 T/Penrose Formation @ 3575'
 T/Grayburg Zone 1 @ 3760'
 T/Grayburg Zone 2 @ 3823'
 T/Grayburg Zone 2A @ 3875'
 T/Grayburg Zone 3 @ 3940'
 T/Grayburg Zone 4 @ 3974'
 T/Grayburg Zone 5 @ 4049'
 T/Grayburg Zone 6 @ 4105'
 T/San Andres Formation @ 4146'
 KB @ 3607'

CURRENT WELLBORE DIAGRAM

LEASE: EMSU	WELL: 620	FIELD: Eunice-Monument	API: 30-025-30511
LOC: 1330 FEL & 2360 FSL, Unit R	SEC: 6	BLK: T21S, R36E	REF NO: IP4397:01
SVY: N.M.P.M.	GL: 3569	CTY/ST: Lea Co., NM	SPUD: 12/3/1988
CURRENT STATUS: <u>Producer</u>	KB: 3582	DF:	TD DATE: 12/12/1988

8-5/8", 24#/ft M-50
Surf. Pipe set @ 1181' w/
800 SX cement
Circ 189 sx to surface
(12-1/4" hole)



5:5", 15.5#/ft K-55 Csg.
set @ 4050' w/ 800 SX
Circ 53 sx to surface
(7-7/8" hole)

Drilled as a 20-acre infill well
Date Completed: 1-31-89
Initial Prod: 75 BOPD/ 31 BWPD/ GOR 680
Initial Formation: Grayburg From: 3762' To: 3846'
Completion Data:
Perf 3762-64, 3771-73, 3788-90, 3800-02, 3826-28, 3834-36 & 3844-46 (2 JHPF). ACDZ perfs w/ 600 gal 15% NeFeA & 56 RCNBs. AIR 1.75 BPM @ 1000 psi, ISIP 800 psi, 1 min Vac
Put on pump test- 7 BO/ 4 BW/ TSTM gas.

Perf 3764-71, 3790-3800, 3823-26, 3876-3908, 3914-18, 3942-54 w/ 2 JHPF. ACDZ ea set of perfs w/ 50 gal 15% NeFeA per ft & RCNBs. Swb 1 BO/ 24 BW for 1.5 hrs. all perfs.

Workover History:
6/91 Dump acid job (500 gallons)

2/92 ACDZ Zn 2 thru Zn 4 w/ 3000 gal 28% NeFeA & 30 Tons CO2 (70Q Foamed Acid) w/ 100 1.1 RCN BS, AIR 5 BPM @ 1000 psi, very little ball action, ISIP 700 psi, 60 min SIP 500 psi
- test: 48 BO/ 110 BW/ 48 MCF. FL=SN.

NO OTHER STIMS SHOWN IN WELL FILE

Additional Data:
T/Queen Formation @ 3401'
T/Penrose Formation @ 3554'
T/Grayburg Zone 1 @ 3743'
T/Grayburg Zone 2 @ 3805'
T/Grayburg Zone 2A @ 3869'
T/Grayburg Zone 3 @ 3921'
T/Grayburg Zone 4 @ 3965'
T/Grayburg Zone 5 @ 4038'
T/Grayburg Zone 6 @ 4105'
T/San Andres Formation @ 4134'
KB @ 3582'

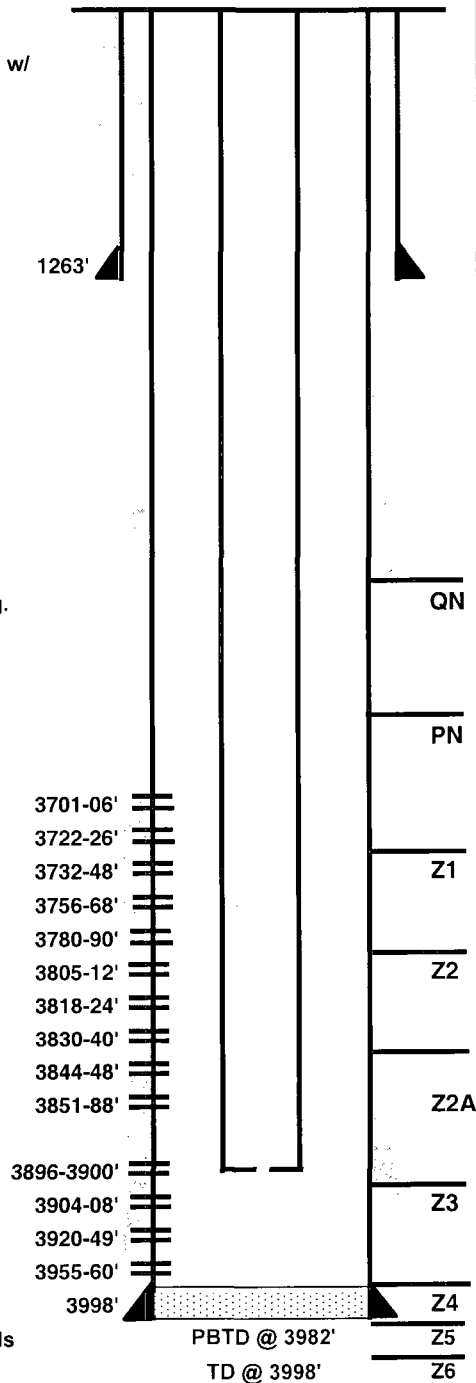
4/28/2008

CURRENT WELLBORE DIAGRAM

LEASE: EMSU	WELL: 621	FIELD: Eunice-Monument	API: 30-025-33186
LOC: 185 FEL & 2800 FSL, Unit P	SEC: 6	BLK: T21S, R36E	REF NO: BD6709:01
SVY: N.M.P.M.	GL: 3583	CTY/ST: Lea Co., NM	SPUD: 12/19/1995
CURRENT STATUS: <u>Producer</u>	KB: 3595	DF: 3594	TD DATE: 12/27/1995

8-5/8", 23#/ft M-50
Surf. Pipe set @ 1187' w/
600 SX cement
TOC @ surf. by circ.
(12-1/4" hole)

5.5", 15.5#/ft K-55 Csg.
set @ 3998' w/ 900 SX
TOC @ surf. by circ.
(7-7/8" hole)



Drilled as a 20 acre infill (Zone 2A) well

Date Completed: 1-2-96
Initial Prod: 17 BOPD/ 120 BWPD/ 17 MCFGPD
Initial Formation: Grayburg From: To:
Completion Data:

Drill out cmt to 3892' (PBTD). Perf 3896-3900, 3904-08 & 3920-49 (3 JHPF). Pickle tbg. 500 gal 15% HCl. Breakdown & ACDZ perms w/ 3000 gal 15% HCl w/ iron control. 105 RCNBs & 1050# salt. ISIP=826 psi. Swb 21 BW, EFL=2900'. Swb 20 BBL, 1% OC. EFL=3200'. TOTP. Test 1/25/96 = 8 BO/ 58 BW/ 9 MCFG. FL = 122'.

Workover History:

2/96 Perf w/ 3 JHPF @ 3818-24, 3830-40, 3844-48 & 3851-88 (Zn 2&2A), set RBP @ 3892'. ACDZ 3818-3888 w/ 4000 gals 15% HCl w/ BJ's ferretrol system in 9 stages. Swb - 11 runs. IFL-1800', EFL=3300'. Rec'd 32 BW. RIH w/ prod tbg. 4/96 Perf 3701-06, 3722-26, 3732-48, 3756-68, 3780-90, 3805-12 & 3955-60' (3 JHPF). ACDZ 3701-3960 w/ 8500 gals 15% USA-B HCl in 14 stages. Swb - 6 runs, IFL=1800', EFL=3200'. Rec'd 35 BW. Selectively swb, RIH w/ PE. TOP.

Additional Data:

T/Queen Formation @ 3397'
T/Penrose Formation @ 3550'
T/Grayburg Zone 1 @ 3742'
T/Grayburg Zone 2 @ 3798'
T/Grayburg Zone 2A @ 3848'
T/Grayburg Zone 3 @ 3909'
T/Grayburg Zone 4 @ 3973'
T/Grayburg Zone 5 @ 4048'
T/Grayburg Zone 6 @ 4096'
T/San Andres Formation @ 4142'
KB @ 3583'

FILE: EMSU625WB.xls
DKTS: 11/3/98

4/28/2008

UPDATED WELLBORE DIAGRAM

FIELD: EMSU

WELL NAME: EMSU 641

FORMATION: Grayburg

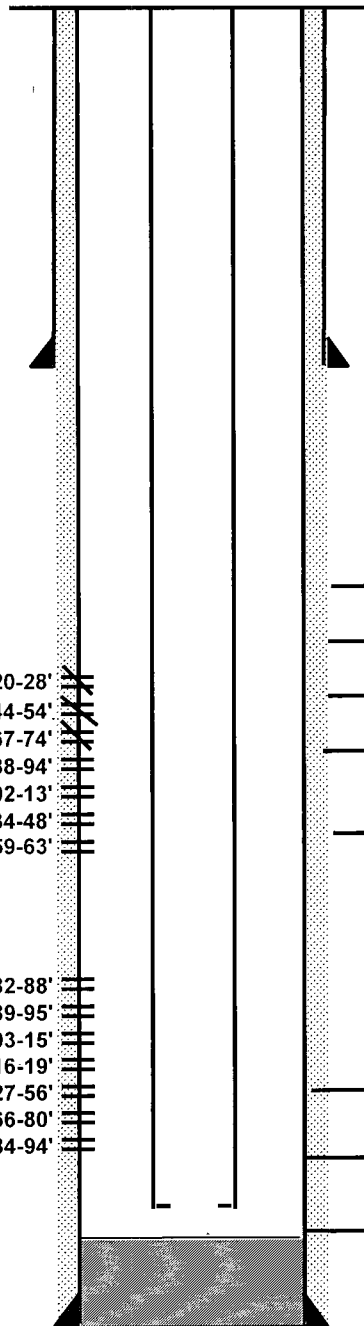
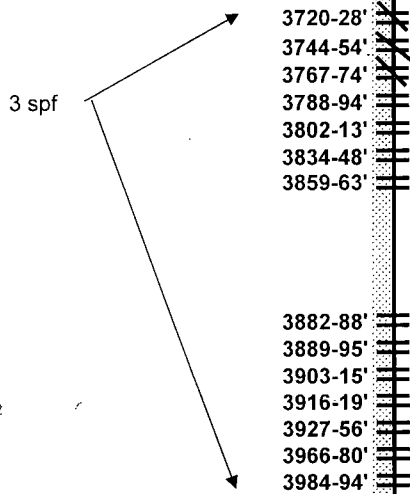
LOC: 1505' FSL & 1155' FWL
TOWNSHIP: 21S
RANGE: 36E Unit L

SEC: 5
COUNTY: Lea
STATE: NM

GL: 3579'
KDB to GL: 12.7'
DF to GL:

CURRENT STATUS: Producer
API NO: 30-025-33189
CHEVNO: BD6711:01

8-5/8", 23#/ft, Surf. Pipe
set @ 1198' w/ 675 SX cmt.
Cmt Circ.? Yes
Circ 44 bbls cmt to surface



Drilled as a 20-acre infill well

Date Completed: 12-95

Initial Prod: 19 BOPD/ 96 BWPD/ 28 MCFPD

Initial Formation: Grayburg From: To:

Completion Data:

D/O cmt to 4085'. Swb & blow casing dry. Ran computalog.
12/15/95 Run GR/CCL. Perf 3927-56, 3966-80 (4 JHPF). Picklt tbg. ACDZ w/ 4000 gal Pentol 200 + 225 RCNBs. Swb 40 BBL (15% OC) EFL=3450'. Treat perfs w/ sonic hammer & 100 BW, 60 BBL 15% HCl w/ iron control. Swb 65 AW, tr oil - EFL=3400'. Put oil prod. Last test = 9 BO/ 65 BW/ 18 MCFPD.

Workover History:

1/10/96 Perf 3840-42, 3859-63, 3867-70, 3889-92 & 3916-18 (3 JHPF). Set RBP @ 3926'. Attempt to load hole on vac, comm. w/ perfs 3927-3956'. Pickle tbg. Straddle each set.

1/11/96 ACDZ all perfs 3840-3918' w/ 3000 gals 15% HCl & iron control in 4 stages w/ GRS & 75 RCHBC. Swb 21 BW. Swb 52 BW (1% OC) - EFL @ 3200'. POH w/ RBP. 1/12/96 - POP & test 11 BO/1898 BW/ 17 MCF.

2/6/96 Perf 3788-94', 3802-13' (3 JHPF). Set RBP @ 3832'. Pickle tbg. ACDZ perfs w/ 1500 gals 15% NEA w/ iron control & 70 RCNBC & GRS. Put on prod. Test 11 BO/ 253 BW/ 3 MCF. FL-0.

4/4/96 Rise & POH w/ RBP @ 3832'. 4/8/96 - Perf 3720-28, 3744-54, 3767-74, 3834-48, 3882-88, 3903-15, & 3984-94. ACDZ perfs 3720-3774' w/ 1200 gals 15% HCl & iron control in 5 stages. ACDZ perfs 3720-3994' w/ 7900 gals 15% HCl & iron control in 11 stages. 4/10/96 - RIH w/ prod equip. TOP for test.

12/2/96 Spot 5650# sand to 3779. Set CIRC @ 3654. SQZ perfs 3720-28, 3744-54 & 3767-74 w/ 300 SX cmt (28 SX in form.) - tag cmt @ 3646. D/O CIRC & cmt to 3778. Tag sd @ 3773. C/O to 3777. Spot 75 SX cmt. Tst sqz. CO to 4085.

3/28/05 RIH w/rented Centrilit 90 hp, 1,170v, 50a FME mtr, seal section, RGS, 227 stg FC 1200 sub pmp, 55' #4KV mtr lead cable & 4,000' #4 round cable on 118 jts 2-7/8", 6.5#, J-55, EUE, 8rd tbg

6/9/05 RIH w/BPMA, PS, 2.5" x 2.25" x THBC pmp barrel (SN #AGU 3004B), 8 jts 2-7/8" tbg, 5-1/2" TAC & 117 jts 2-7/8" tbg

10/3/06 Upgraded to 2-3/4" bottle neck pump. Bottom depth 4,076'.

Additional Data:

T/Queen Formation @ 3400'
T/Penrose Formation @ 3546'
T/Grayburg Zone 1 @ 3737'
T/Grayburg Zone 2 @ 3784'
T/Grayburg Zone 2A @ 3847'
T/Grayburg Zone 3 @ 3940'
T/Grayburg Zone 4 @ 3995'
T/Grayburg Zone 5 @ 4071'
T/Grayburg Zone 6 @ 4143'
T/San Andres Formation @ 4200'
KB @ 3589'

5-1/2", 15.5#/ft, csg set @

4092' w/ 725 SX cmt.

Cmt Circ.? No

TOC @ 500' by TS

UPDATED WELLBORE DIAGRAM

FIELD: EMSU

WELL NAME: EMSU 642

FORMATION: Grayburg

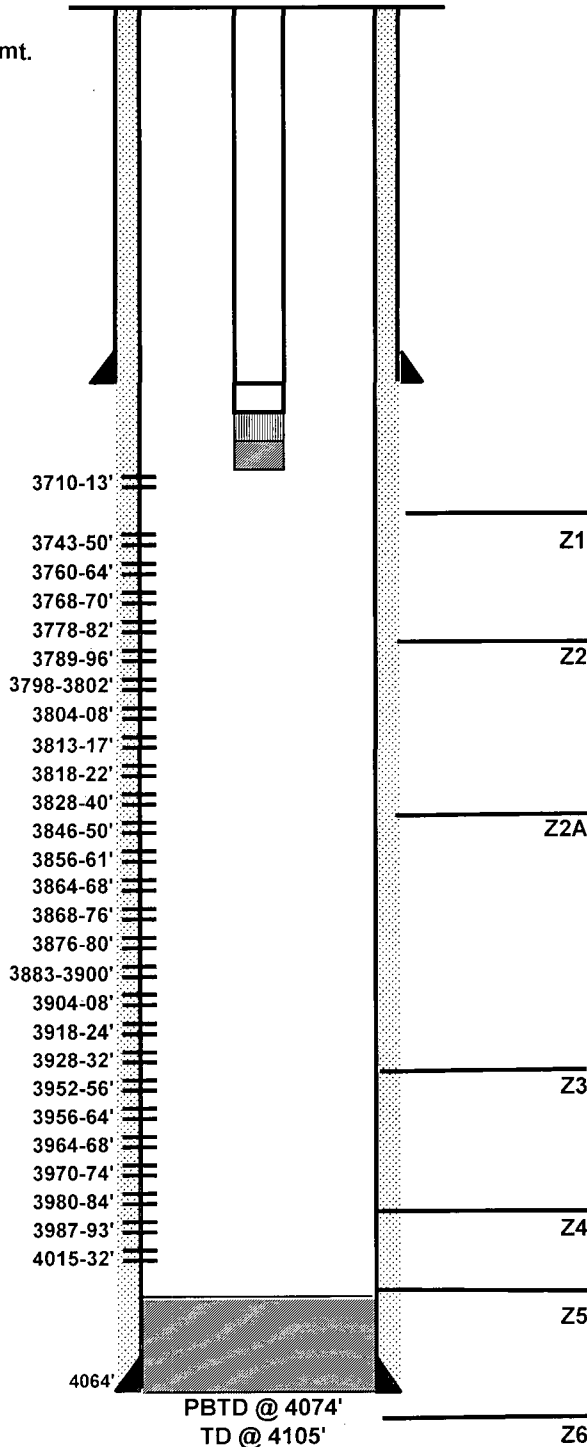
LOC: 1370' FSL & 25' FEL
TOWNSHIP: 21S
RANGE: 36E Unit O

SEC: 6
COUNTY: Lea
STATE: NM

GL: 3578'
KB: 3589'
DF to GL:

CURRENT STATUS: Producer
API NO: 30-025-30958
CHEVNO: KU95340:01

8-5/8", 32#/ft, Surf. Pipe
set @ 1206' w/ 800 SX cmt.
Cmt Circ.? Yes
TOC @ Surf' by circ.



Drilled as a 20-acre infill producer

Date Completed: 11-26-90

Initial Prod: 23 BOPD/ 107 BWPD/ GOR 2522

Initial Formation: Grayburg From: 3760' To: 3984'

Completion Data:

Perf 3952-56, 3964-68, 3980-84 (2 JHPF). ACDZ w/ 1200 gal 15% NeFeA. Swb 12 BO/37 BW FeR 1.7 BPH. Perf 3760-64, 3778-82, 3798-3802, 3813-17, 3846-50, 3864-68, 3876-80, 3904-08, 3928-32 (2 JHPF). ACDZ all perfs using PPI tool w/ 150 gal per set. ACDZ perfs 3760-3932 w/ 1250 gal 15% NeFeA & 88 RCNBs. Put on prod.

Workover History:

11/90 Chemical squeeze.

2/91 Chemical squeeze.

7/93 Perf 3710-13, 3743-50, 3789-96, 3804-08, 3818-22, 3828-40, 3856-61, 3868-76 & 3883-3900. D/O fill, scale & cmt to 4070'. Tag PBTD @ 4074'. Perf 3768-70, 3918-24, 3956-64, 3970-74, 3987-93, 4015-32. ACDZ all perfs w/ 10500 gals 15% NeFe HCl w/ 14750 # salt. Swb IFL 2100', FFL 2900'. Trace of oil. EFR 10 BPH. SWIFN. Swb IFL 2700' FFL 2900'. Rec 19 BBL. 1st Run: 5% - final OC 0%. SN @ 4022'. TST: B - 19 BO/ 76 BW/ 10 MCF. A - 101 BO/ 1323 BW/ 32 MCF.

11/95 Tag @ 4071'. Pickle tbg. ACDZ w/ 6250 gals Viscosified Mutual Solvent & acid. RIH w/ PE. Test A - 25 BO/ 678 BW/ 6 MCF. B - 12 BO/ 445 BW/ 3 MCF.

4/30/97 Stimulate w/ 6000 gals Resisol II.

7/2000 C/O and acidize 5000 gals foamed acid

Additional Data:

T/Queen Formation @ 3400'
T/Penrose Formation @ 3546'
T/Grayburg Zone 1 @ 3737'
T/Grayburg Zone 2 @ 3784'
T/Grayburg Zone 2A @ 3847'
T/Grayburg Zone 3 @ 3940'
T/Grayburg Zone 4 @ 3995'
T/Grayburg Zone 5 @ 4071'
T/Grayburg Zone 6 @ 4143'

5-1/2", 15.5#/ft, csg set @
4105' w/ 840 SX cmt.
Cmt Circ.? Yes

UPDATED WELLBORE DIAGRAM

FIELD: EMSU

WELL NAME: EMSU 649

FORMATION: Grayburg

LOC: 210' FSL & 40' FEL
TOWNSHIP: 21S
RANGE: 36E Unit X

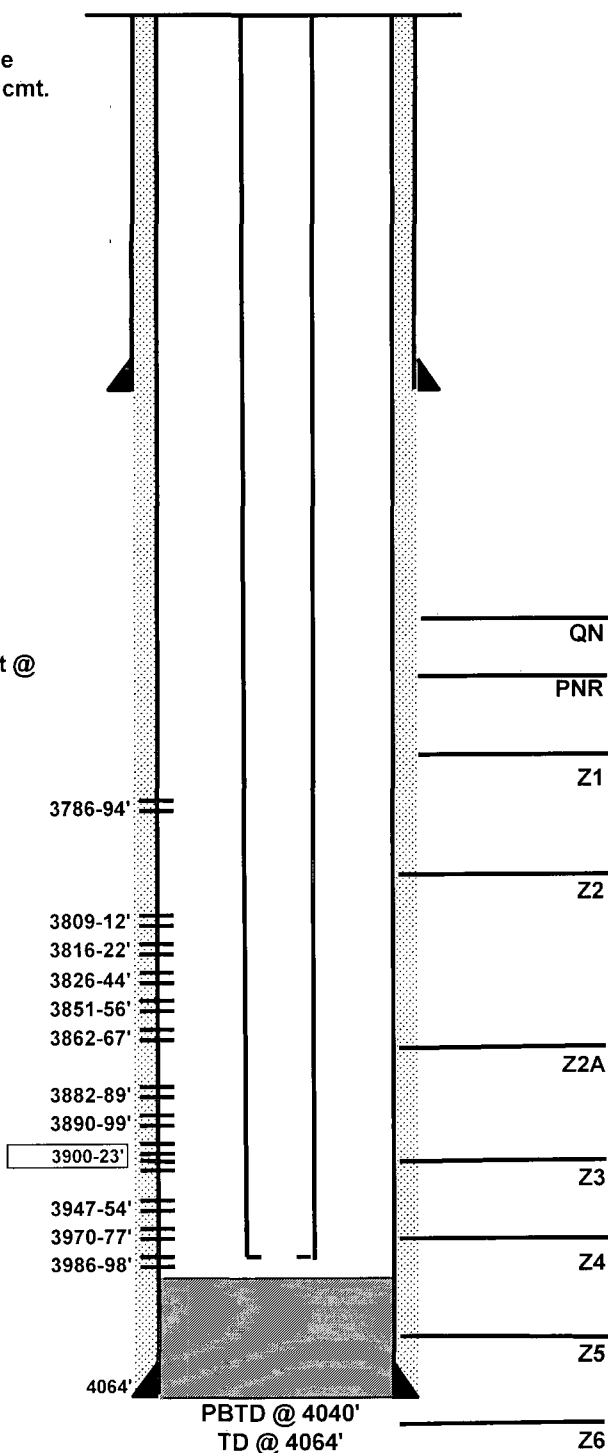
SEC: 6
COUNTY: Lea
STATE: NM

GL: 3583'
KB: 3594.8'
DF to GL:

CURRENT STATUS: Producer
API NO: 30-025-33187
CHEVNO: BD6710

8-5/8", 24#/ft, Surf. Pipe
set @ 1190' w/ 675 SX cmt.
Circ 270 sx to pit
(12-1/4" hole)

5-1/2", 15.5#/ft, csg set @
4064' w/ 575 SX cmt.
Cmt Circ.? No
TOC @ 720' by TS
(8-3/4" hole)



Drilled as a 20 acre infill well

Date Completed: 12/95

Initial Prod: 13 BOPD/ 55 BWPD/ 22 MCF

Initial Completion Data:

Perf 3882-89' and 3900-23' w/ 3 JHPF. Pickle tbg w/ 350 gals acid. Spot 100 gal acid, break down & acdz w/ 3000 gal 15% HCl w/ iron control additives.

Workover History:

2/96 Perf 3809-12, 3816-22, & 3826-44. RBP @ 3863'. Acidize perfs 3809-3844 w/ 3000 gals 15% HCl in 7 stages. RIH w/ PE. TOTP.

4/96 Retrieve and POH w/ RBP @ 3863'. DOC to 4040' and perf 3786-94, 3851-56, 3862-67, 3890-99, 3947-54, 3970-77, & 3986-98 (3 JHPF). ACDZ perfs w/ 8400 15% HCl in 15 stages.

AIR 3.7 BPM @ 1150 psi

Swb (8 runs). IFL - 1800', EFL - 2800'. Rec'd 45 BW. RIH w/ PE, TOTP.

4/98 ACDZ 3786--3998 w/ 3000 15% REAXE-3000 and 2000 gals 15% S-3000 w/ 3500# GRS as diverter. AIR 4.5 BPM @600 psi
ISIP vac

No other workovers listed in wellfile

Additional Data:

T/Queen Formation @ 3418'

T/Penrose Formation @ 3560'

T/Grayburg Zone 1 @ 3746'

T/Grayburg Zone 2 @ 3793'

T/Grayburg Zone 2A @ 3874'

T/Grayburg Zone 3 @ 3937'

T/Grayburg Zone 4 @ 3978'

T/Grayburg Zone 5 @ 4045'

T/Grayburg Zone 6 @ 4095'

T/San Andres Formation @ 4139'

KB @ 3594.8'

XTO ENERGY



Well: EMSU 681
Location: Section 7-21S-36E
 1210' FNL & 1340' FEL
County: Lea
Elevation: 3594' GL 3611' KB

API # 30-025-37281

Spud: 10/2005
State: New Mexico

8-5/8", 24#
 Set at 1183'.
 Cemented with 625 sx.
 Circulated

PENROSE 3608'
 G/O 3760'
 GRBG 3766'
 GB2 3826'
 GB2A 3900'
 O/W TR 3960'
 GB3 3962'
 GB4 3999'
 O/W 4010'
 GB5 4030'
 GB6 4065'
 SADR 4111'

Tbg Detail: 6/21/06

1 jt 2-7/8" Slotted MAJ, 2-1/4" Pmp bbl, TAC, 126 jts
 2-7/8" 6.5# J-55 EUE 8rd
 tbg. TAC @ 3756'. PI @
 3979'. EOT @ 4006'.

Rods & Pmp 6/21/06:

2.5" x 2-1/4" THBC pmp
 w/3' plngr, 2 - 1-1/2" K-
 bars, 7/8" x 4' stabilizer
 sub, 10 - 1-1/2" K-bars,
 89 - 7/8" D-78 rods, 58 -
 1" D-78 rods, 1" x 6' D-
 78 pony rod & 1-1/2" x
 26' SM PR.

Perfs

Z1	3784-90
Z2	3804-25
	3833-56
	3860-72
	3880-99
Z2A	3922-30
	3947-60
Z3	
Z4	
Z5	
CIBP @ 4050'	
Z6	
SA	

4118-22
 4126-30
 4166-70

PBTD: 4050'
 TD: 4443'

5-1/2" 17 #,
 Set at 4443'.
 Cemented with 730 sx.
 TOC @ 950' by CBL
 Float collar @ 4396'

12/29/05 Perforated the following intervals: 4,166' - 4,170', 4,126' - 4,130' & 4,118' - 4,122'.

12/30/05 Straddled perfs fr 4,166' - 4,170'. Spotted 2 bbls of acid to end of tbg. Press tbg to 800#. Waited for perfs to break. Perfs would not break. Press back up on perfs to 1,800 psig. Perfs broke. Pmpd in 7-1/2 bbls of 15% NEFE HCL acid into perfs. Straddled perfs fr 4,126' - 4,130'. Press up on perfs to 800 psig. Perfs broke. Pmpd in 7-1/2 bbls of 15% NEFE HCL acid. Straddled perfs fr 4,118' - 4,122'. Press perfs to 800 psig. Perfs broke. Pmpd in 7-1/2 bbls of 15% NEFE HCL acid. BFL @ 900 FFS. Made 23 swab runs. Rec 95 BW. EFL @ 2,800 FFS. Showed some gas.

12/31/06 BFL @ 1,000 FFS. Made 29 swab runs. Rec 113 BW & 10 BO. EFL @ 3,300 FFS.

1/3/06 BFL @ 1,000 FFS. Made 45 swab runs. Rec 187 BW & 3 BO. EFL @ 3,600 FFS. Showed some gas

1/5/06 RIH w/ 2" pump

1/25/06 In 24 hrs, well pmpd 2 BO, 288 BW & 4 Mcf. Running 47% on timer. FAP 0'

3/6/06 Set CIBP @ 4050'. Perforate 6 spf/60 deg phasing - 3,947' - 3,960', 3,922' - 3,930' & 3,892' - 3,899'.

3/7/06 3,947' - 3,960'. Spotted 300 gals of 15% NEFE HCL acid to EOT. Waited 10". Std bk pmpg acid. Pmpd 3.4 bbls of acid into perfs @ 800 psig. Perfs comm w/perfs above @ 3,922' - 3,930'. Perfs went on a vac.

Pmpd 300 gals 15% HCL into perfs: 3,892' - 3,899' @ .5 BPM @ 1,200 psig. Perfs went on a vac.

3/8/06 BFL @ 1,200 FFS. Made 10 swab runs. Rec 38 BW & 1 BO. Did not show much gas w/each swab run

3/9/06 RIH w/ 2" pump.

6/14/06: POH w/rods, pmp & tbg. Perf 3,947' - 3,960' (13' & 78 holes), 3,880' - 3,892' (12' & 72 holes), 3,860' - 3,872' (12' & 72 holes), 3,833' - 3,856' (23' & 138 holes) & 3,804' - 3,825' (21' & 126 holes),

6/15/06: Acdz w/2000 gals of 20% NEFE HCL. Flushed acid to btm. BLWTR 345. SITP 5" vac. Made 36 swab runs. Rec 263 BW (no oil & little gas). EFL @ 2,300 FFS.

6/20/06: Pmpd 18 bbls of pill mixture into perfs 3,947' - 3,960'. OFL chemical w/17 bbls of prod wtr mixed w/5 gals of RN-211 dwn tbg @ 3 BPM @ 0 psig. Pmpd 18 bbls of pill mixture into perfs 3,880' - 3,892'. OFL w/42 bbls of prod wtr mixed w/5 gals of RN-211 dwn tbg @ 1/2 BPM @ 800 psig. Pmpd 81 bbls of pill mixture into perfs 3,804' - 3,872'. OFL w/ 119 bbls of prod wtr mixed w/5 gals of RN-211 dwn tbg @ 1/2 BPM @ 800 psig.

6/21/06: RIH w/ tbg and rods.

3/10/07: Tagged TD (4050). Perf'd. fr 3,784'-3,790' (36 holes). Set RBP @ 3,989'. Set pkr @ 3,940'. RU Cudd Acidizing Crew to tbg. Pmpd 500 gals of 20% acid. Started displacement. Pmpd 3 bbls acid into fnt & started to communication. Moved pkr to 3,910'. Pmpd 7bbls of wtr to load tbg. Pmpd 500 gals 20% acid. Started to flush. Pmpd 3 bbls & communicated. Installed monitor on TCA. Finished flushing acid out of tbg. SD. ISIP: 440 psig. Vac in 30 seconds. LD 5 jts. Set pkr @ 3,735'. Loaded TCA w/9 bbls. Press to 650 psig. SD. Installed monitor on TCA. Tstd lines to 3500 psig. Mixed & pmp 500# rock salt in 7 bbls of 9# brine wtr, 30 bbls of 20% acid (28 psig press increase). Mixed & pmp 1000# rock salt in 9 bbls of 9# brine wtr, 30 bbls of 20% acid (72 psig increase). Mixed & pmp 1250# rock salt in 17 bbls of 9# brine wtr, 44 bbls of 20% acid (95 psig increase). Flushed tbg w/46 bbls of fresh wtr. SD. ISIP: 400 psig. On vac in 4 min. Opened bypass on pkr. Flush TCA w/60 bbls to clear TCA of any acid in tbg. Close bypass on pkr. RD Cudd. BLWTR 221. SWI for one hour. RU swab equipment. SITP 0 psig. BFL @ 1,000' FFS. Made 20 swab runs. Rec 127 BW. EFL @ 1,600' FFS. Showed alot of acid gas after each run. RD swab.

PREPARED BY: Lane Pearson

DATE: 3/14/07

Geological Data
Injection Zones
in the
Proposed Eunice Monument South Unit

Penrose - Approx. depth 3,400'-3,800*, approx. 170 gross feet.

The Penrose is the lower portion of the Queen formation and overlies the Grayburg. The Penrose is composed of alternating layers of hard dolomite and sand lenses. The Penrose is productive of oil and/or gas, depending on structural position.

Grayburg - Approx. depth 3,500'-3,900*, approx. 490 gross feet.

The Grayburg is a massive dolomite with thin stringers of sand interspersed within it. The majority of oil production comes from intercrystalline porosity in the dolomite.

The range in depths to the top of the Grayburg is due to an asymmetrical anticlinal structure running NW to SE through the Eunice-Monument Pool. The structure dips steeply along the western and southern flanks and therefore the Grayburg top runs deeper, approximately 3,700'-3,900'. Along the axis and the gently dipping eastern flank of the anticline the Grayburg depths run at approximately 3,500-3,700 feet.

San Andres - Approx. depth 4,100'-4,500*, approx. 1,130 gross feet.

The San Andres is a massive dolomite with intercrystalline porosity, which lies directly below the Grayburg. The contact between the Grayburg and the San Andres is gradational and there is no clear marker for the top of the San Andres which can be traced across the field. The San Andres contributes very little if any oil production to the field and serves primarily as a source for injection make-up water and as a zone for salt water disposal.

There are no known faults cutting through the San Andres and Grayburg which would act as a conduit for gas, oil or injection water to seep into fresh water horizons above the injection zones in the Grayburg and San Andres.

* Depth depends upon structural position of the well.

EXHIBIT NO. 34a

Case No. 8397

November 7 1984

Geological Data
Fresh Water Aquifers
in the Area of the
Proposed Eunice Monument South Unit
Lea County, New Mexico

The proposed Eunice Monument South Unit is located approximately 3/4 of a mile southwest of the Mescalero Ridge on the Eunice Plain.

The fresh water zones within the proposed Eunice Monument South Unit boundaries are the Quaternary alluvium, Pliocene Ogallala, and the Triassic Chinle and Santa Rosa formations.

The Quaternary aquifers are in recent sediments and are very localized in extent. They are made up of dune sands and sands filling channels or depressions in the underlying Ogallala. The sands are unconsolidated to semiconsolidated, fine to medium grained sands. They are found at the surface to a depth of approximately 100 feet.

The Pliocene Ogallala aquifer underlies the Quaternary alluvium and is present across the entire area but is not a major water source. The Ogallala is a calcareous unconsolidated sand containing some silt, clay and gravel. The Ogallala is found at approximately 60-125 feet.

The Triassic Chinle and Santa Rosa aquifers are the principal fresh water bearing zones in this area. They are both fine to medium grained sandstones interbedded with red clays and silt stones. At the northern end of the proposed unit, the Chinle is at a depth of approximately 50 feet and the Santa Rosa is at about 675 feet. At the southern end of the unit the Chinle is at approximately 200 feet and the Santa Rosa is at about 1000 feet.

Below the Santa Rosa are un-differentiated Permian and Triassic red beds. These "red beds" consist of red shales and red silty sandstones, and are not known to produce fresh water.

At the base of the Santa Rosa and/or the un-differentiated Permian and Triassic "red beds" is the Permian Rustler. At the top of the Rustler is an impermeable anhydrite bed, approximately 60-70 feet thick which provides an excellent barrier against contamination from brine waters in the Permian oil producing formations. The Rustler anhydrite is at approximately 1000 feet at the northern end of the unit and approximately 1400 feet at the southern end of the unit. There are no known fresh water horizons below the Rustler anhydrite.

For the protection of all fresh water zones within the unit boundary, cement will be circulated to surface around casing on all new injection wells and producing wells converted to injection wells.

Reference - Ground Water Report 6, USGS, 1961.

EXHIBIT NO. 36

Case No. 8397

November 7, 1984

Item XI

#3

Chemical Analysis of Fresh Water
Within The
Proposed Eunice Monument South Unit
Lea County, New Mexico

See attached water analysis results.

Sample No. 1 - Unit A Section 16, T-21-S, R-36-E
Livestock Water Source
Ogallala Formation
State Engineer's Well No. CP 00505

Sample No. 2 - Unit D Section 10, T-21-S, R-36-E
Domestic and Commercial Sale Source
Triassic Chinle Formation
State Engineer's Well No. CP 00147

Sample No. 3 - Unit K Section 36, T-20-S, R-36-E
Livestock Water Source
(Not on file with State Engineer's office)

Sample No. 4 - Unit O Section 17, T-21-S, R-36-E
Livestock Water Source
Ogallala Formation
(Not on file with State Engineers Office)

EXHIBIT NO. 37
Case No. 8397
November 7, 1984

P. O. BOX 1468
MONAHANS TEXAS 79756
PH 843-3234 OR 863-1040

Martin Water Laboratories, Inc.

700 W INDIANA
MIDLAND TEXAS 79701
PHONE 683-4821

RESULT OF WATER ANALYSES

TO: Mr. Stan Chapman LABORATORY NO. 284225
P.O. Box 670, Hobbs, NM SAMPLE RECEIVED 2-15-84
RESULTS REPORTED 2-20-84

COMPANY Gulf Oil Exploration & Production LEASE
FIELD OR POOL Company
SECTION BLOCK SURVEY COUNTY STATE
SOURCE OF SAMPLE AND DATE TAKEN.

NO. 1 Fresh water (sample #1).

NO. 2 Fresh water (sample #2).

NO. 3 Fresh water (sample #3).

NO. 4

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0047	1.0020	1.0022	
pH When Sampled				
pH When Received	7.56	8.20	8.27	
Bicarbonate as HCO ₃	212	494	476	
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	1,680	75	68	
Calcium as Ca	376	16	15	
Magnesium as Mg	180	8	7	
Sodium and/or Potassium	744	289	413	
Sulfate as SO ₄	1,492	186	300	
Chloride as Cl	1,115	60	138	
Iron as Fe	0.31	1.3	1.3	
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	4,119	1,065	1,391	
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen, Winter				
Hydrogen Sulfide	0.0	0.0	0.0	
Resistivity, ohms/m at 77° F.	1.60	8.10	5.50	
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Carbonate, as CO ₃	0	12	42	

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks Please contact us if we can be of any assistance in interpretation of the above results.

UNICHEM INTERNATIONAL

401 NORTH LEECH

P.O. BOX 1499

MORRIS, NEW MEXICO 88240

COMPANY : GULF OIL

DATE : 9-28-84

FIELD LEASE & WELL : SECTION 17-T215-R36E, UNIT O

SAMPLING POINT: WELLHEAD - FRESH WATER SAMPLE

DATE SAMPLED : 9-27-84

SPECIFIC GRAVITY = 1

TOTAL DISSOLVED SOLIDS = 1055

PH = 7.21

		ME/L	MG/L
CATIONS			
CALCIUM	(CA) +2	4.4	88.1
MAGNESIUM	(MG) +2	3.8	46.1
SODIUM	(NA) .CALC.	7.2	167.
ANIONS			
BICARBONATE	(HCO3) -1	4.6	280
CARBONATE	(CO3) -2	0	0
HYDROXIDE	(OH) -1	0	0
SULFATE	(SO4) -2	5.8	282.
CHLORIDES	(CL) -1	5	190
DISSOLVED GASES			
CARBON DIOXIDE	(CO2)	NOT RUN	
HYDROGEN SULFIDE	(H2S)	NOT RUN	
OXYGEN	(O2)	NOT RUN	
IRON (TOTAL)	(FE)		1.4
BARIUM	(BA) +2	0	.4
MANGANESE	(MN)	NOT RUN	

IONIC STRENGTH (MOLAL) = .023

P. O. BOX 1468
MCKINNEY TEXAS 75069
PH 843-3234 OR 862-1040

Martin Water Laboratories, Inc.

788 W INDIANA
MCKINNEY TEXAS 75069
PHONE 862-4821

RESULT OF WATER ANALYSES

TO Mr. Stan Chapman LABORATORY NO. 284226
P.O. Box 670, Hobbs, NM SAMPLE RECEIVED 2-15-84
RESULTS REPORTED 2-20-84

COMPANY Gulf Oil Exploration & Production LEASE _____
FIELD OR POOL Company
SECTION _____ BLOCK _____ SURVEY _____ COUNTY _____ STATE _____
SOURCE OF SAMPLE AND DATE TAKEN.

NO. 1 Make-up water.

NO. 2 Produced water.

NO. 3 _____

NO. 4 _____

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES

	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0465	1.0051		
pH When Sampled				
pH When Received	6.80	7.22		
Bicarbonate as HCO ₃	964	1,830		
Supersaturation as CaCO ₃	75	120		
Undersaturation as CaCO ₃	---	---		
Total Hardness as CaCO ₃	5,400	800		
Calcium as Ca	1,400	144		
Magnesium as Mg	462	107		
Sodium and/or Potassium	23,244	2,308		
Sulfate as SO ₄	3,432	300		
Chloride as Cl	36,575	2,841		
Iron as Fe	0.27	7.5		
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	66,077	7,530		
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen, Winkler				
Hydrogen Sulfide	600	325		
Resistivity, ohms/cm at 77° F.	0.126	0.935		
Suspended Solids				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Calcium Carbonate Scaling Tendency	NONE	NONE		
Calcium Sulfate Scaling Tendency	NONE	NONE		

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks We see no evidence in the above results that would indicate any incompatibility when mixing these two waters in any proportion. Please contact us if we can be of any additional assistance in this regard.

EXHIBIT NO. 336

Case No. 8397

November 7, 1984



Operators within ½ mile radius

XTO Energy Inc.
200 N. Loraine, Ste 800
Midland, Texas 79701

Apache Corp.
6120 S. Yale Ave, Ste 1500
Tulsa, OK 74136-4224

BP America Production Company
PO Box 3092
Houston, Texas 77253

Surface Owner

Millard Deck Estate
c/o Harding & Carbone
3903 Belair Blvd.
Houston, Texas 77205

~All surface land owners and offset operators have been notified by Certified Mail with a copy of the C-108 Form. See copy of certified receipts.

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:

Deck Estate
c/o Harding & Carbone
3903 Behr Blvd.
Houston TX 77205

2. Article Number

(Transfer from service label)

7007 0220 0002 5086 7532

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

SANDY SCHEXNAYDE

☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

6-21-8

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

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 America Prod Co.
PO Box 3092
Houston, TX 77253

2. Article Number

(Transfer from service label)

7007 0220 0002 5086 7501

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

JUL 03 2008

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

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:

Apache Corp
6120 S. Yale Ave
Ste 1500
Tulsa, OK 74136

2. Article Number

(Transfer from service label)

7007 0220 0002 5086 7525

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

Charles Brainerd

☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

JUL 03 2008

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

Item XIII/

I, KATHI BEARDEN

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.

Beginning with the issue dated

January 9 2008

PUBLISHER

Sworn and subscribed to before

me this 9th day of

January 2008

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 advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

LEGAL NOTICE
January 9, 2007

**Notice of Application for Fluid Injection Permit for
Eunice Monument South Unit, Well #643**

XTO Energy Inc., 200 N. Loraine, Ste 800, Midland, Texas 79701 is applying to the New Mexico Oil Conservation Division for a permit to inject fluid into a formation which is productive of oil and gas. The proposed well is the Eunice Monument South Unit, well #643 (API Number 30-025-30512) located in Unit Letter X, 1275' FSL & 1275' FEL of Sec 6; T21S, R36E, Lea County. Fluid will be injecting into the Grayburg formation at a depth from 3754' to 4171', with a maximum injection rate of 2600 BWIPD and a maximum injection pressure of 1200 psi. For additional information please contact DeeAnn Kemp at (432)620-6724.

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 of this legal notice.

#23746

01102696000 67548414
XTO ENERGY INC.
200 LORAIN, SUITE 800
MIDLAND, TX 79701

original water flood order Dec 84.

WFX-839

Injection Permit Checklist (7/8/08)

Case 8398 R-776L SWD WFX 839 PMX IPI Permit Date 8/13/08 UIC Qtr July of Sept

Wells 643 Well Name: Eunice Monument South Unit No. 643

API Num: (30-) 025-30512 Spud Date: 11-88 New/Old: N (UIC primacy March 7, 1982) oil on gas

Footages TD - 4050' Unit X Sec 6 Tsp 215 Rge 36E County Lee Grayburg

Operator: chevron USA, Inc Contact ? 40 acres

OGRID: 5380 RULE 40 Compliance (Wells) _____ (Finan Assur) _____

Operator Address: XTO Energy, Inc. (bought in 2004)

Current Status of Well: 300 N. Garfield
Suite 175
Midland, TX 79705

Planned Work to Well: _____ Planned Tubing Size/Depth: _____

	Sizes Hole.....Pipe	Setting Depths	Cement Sx or Cf	Cement Top and Determination Method
Existing _____ Surface	<u>12 1/4 8 5/8</u>	<u>1224'</u>	<u>750</u>	<u>Surf</u>
Existing _____ Intermediate				
Existing _____ Long String	<u>7 7/8 5 1/2</u>	<u>4050'</u>	<u>700</u>	<u>Surf</u>

DV Tool _____ Liner _____ Open Hole _____ Total Depth _____ PBTD _____

Well File Reviewed JW 278" Tubing I P P 4 BOPD 60 MCF 104 BW

Diagrams: Before Conversion _____ After Conversion _____ Elogs in Imaging File: 6TY 33.9 60R 15000 perf
3848-4022

Intervals:	Depths	Formation	Producing (Yes/No)
Above (Name and Top)			
Above (Name and Top)			
Injection.....			
Interval TOP:			
Injection.....			
Interval BOTTOM:			
Below (Name and Top)			

PSI Max. WHIP

Open Hole (Y/N)

Deviated Hole?

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 _____

Notice: Newspaper(Y/N) Y Surface Owner _____ Mineral Owner(s) _____

RULE 701B(2) Affected Parties: _____

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

..P&A Wells 1 Num Repairs 0 All Wellbore Diagrams Included? Yes

Questions to be Answered:

copy of Notification Letter -

wellbore Schematic

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

AOR Repairs Needed: _____ Request Sent _____ Reply: _____

Request Sent _____ Reply: _____