

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: 3000 N. Garfield, Ste 175, Midland, TX 79705

Contact party: James Hedrick

Phone: 432-682-8873

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-3134

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

* VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

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

* XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: James O. Hedrick

Title Sr. Operations Engineer

Signature: James O. Hedrick

Date: 8/12/2003

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

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division district office.

III. WELL DATA

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

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

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

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

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

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

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

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

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

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

XTO Energy Inc.
SEMGS AU #145 – Convert to Injection
NMOCD Form C-108 Section III

III. Data on injection well.

A. Injection well information (see attached schematic)

1. Lease: SEMGS AU
Well: 145
Location: 990' FSL & 1650' FEL, Unit O
Section 30, T-17-S, R-33-E
Lea Co., NM
2. Casing: Surface – 8-5/8", 24# @ 1265', cmt'd w/570 sxs.,
circ 75 sxs to surface.

Production – 5-1/2", 15.5 & 17# @ 4449', cmt'd w/950 sxs.,
circ 50 sxs to surface.
3. Tubing: 2-3/8", 4.7#, J-55, internally plastic coated set @ 4176'
4. Packer: BJ Arrowset 1-X set @ 4176'

B. Other well information:

1. Injection formation: Grayburg-San Andres
Field: Maljamar; Grayburg-San Andres
2. Existing case hole perforated from 4226-4425'.
3. Originally drill for oil and gas production.
4. There are no other perforated or tested zones.
5. There are no upper productive zone. The Grayburg-San Andres formation is productive at about 4326' and is included in this pool. The Abo formation is productive at about 8600'.

IX. Any stimulation work will consist of acidizing the existing zone to clean up perforations and near wellbore formation.

X. Logs were filed at your office when the well was drilled.

XI. There are no fresh water wells within one mile of this well.

XII. Not applicable.

XIII. Copies of this C-108 application have been mailed to the surface owner and to each leasehold operator within one-half mile of the proposed injection well. A notice was published in the Hobb Daily News-Sun and the Affidavit of Publication is attached. See attached mailing list and certified mail certificates for Proof of Notice.

NMOCD Form C-108 Sections VII – XII

VII.

1. Proposed average daily injection is 250 BWPD. Maximum expected daily injection is 500 BWPD.
 2. This will be a closed system.
 3. Proposed average injection pressure 800 psig.
Proposed maximum injection pressure is 845 psig.
*Note: Maximum injection pressure abides by the 0.2 psig/ft maximum injection pressure imposed by the NMOCD.
Future increases in surface pressure will be obtained Administratively from the NMOCD using field obtained "Step Rate Tests"
 4. Injection fluid will be produced water from the existing Waterflood. Make-up water will be supplied by ConocoPhillips. Water analyses are attached.
- VIII. The proposed injection interval is the Grayburg/San Andres at a depth of 3740-4430' feet. The Grayburg formation primarily consists of quartz sand with dolomitic cementation. The surface formation is Cretaceous and has no known sources of drinking water.
- VIII. The proposed injection interval is the Grayburg/San Andres at a Depth of 3740-4430' feet. The Grayburg formation primarily consists of Quartz sand with dolomitic cementation. The surface formation is Cretaceous and has no known sources of drinking water.

Water Report

Date Entered: 08/04/2003
Test Date: 07/30/2003

Customer: XTO Energy, Inc.
Contact Name: Andy Fields
CC1:
CC2:

Address:
City State ZIP

Salesman: Tommy L. Graham

Lab Technician: Cynthe Sims

Lease Name: SEMGSAU

Formation:

Target Name: SEMGSAU Fresh Water Station

Sample Point: SEMGSAU Fresh Water Station

Sample Date: 07/24/2003 Test Date: 07/30/2003

Water Analysis(mg/L)		Appended Data(mg/L)		Physical Properties	
Calcium	80	CO2	30	Ionic Strength(calc.)	0.01
Magnesium	49	H2S	9	pH(calc.)	6.75
Barium		Iron	3	Temperature(°F)	90
Strontium		Oxygen		Pressure(psia)	50
Sodium(calc.)		Additional		Density	
Bicarbonate Alkalinity	134	Specific Gravity		Dew Point	
Sulfate	0	Total Dissolved Solids(Mg/L)		Lead	
Chloride	0	Total Hardness(CaCO3 Eq)	401	Zinc	
Calcite		SI && PTB			

Calculation	Value	Scale Type	SI	PTB
CO2 in Brine(mg/L)	30	Calcite (Calcium Carbonate)	-0.70	

Remarks:

Gypsum (Calcium Sulfate)
Hemihydrate (Calcium Sulfate)
Anhydrite (Calcium Sulfate)
Barite (Barium Sulfate)
Celestite (Strontium Sulfate)

Champion

Technologies, Inc.

Water Report

Customer: XTO Energy, Inc.
Contact: Andy Fields
CC1:
CC2:

Date: 07/30/2003
Test: 07/28/2003

Address: City State ZIP
Salesman: Tommy L. Graham Lab: Cynthe Sims

Lease Name: SEMGSAU

Formation:

Target Name: SEMGSAU IPD

Sample SEMGSAU IPD

Sample Date: 07/16/2003 Test Date: 07/28/2003

Water
Calcium 1925
Magnesium 923
Barium
Strontium
Sodium(calc.) 28050
Bicarbonate Alkalinity 525
Sulfate 1415
Chloride 48000
Calcite

Appended
CO2 110
H2S 77
Iron 8
Oxygen
Additional
Specific Gravity
Total Dissolved Solids(Mg/L) 80838
Total Hardness(CaCO3 Eq) 8595

Physical
Ionic Strength(calc.) 1.49
pH(calc.) 6.47
Temperature(°F) 90
Pressure(psia) 50
Density 8.80

Dew Point

Lead

Zinc

SI && PTB

Calculation
CO2 in Brine(mg/L)

Value
110

Scale Type

SI

PTB

Calcite (Calcium Carbonate)

-0.50

Gypsum (Calcium Sulfate)

-0.60

Hemihydrate (Calcium Sulfate)

-0.61

Anhydrite (Calcium Sulfate)

-0.74

Barite (Barium Sulfate)

Celestite (Strontium Sulfate)

Remarks:

SEMGS AU #145
(CURRENT)

ELEV: KB 4042.8
GL 4030.2
CORR 12.6

11" HOLE

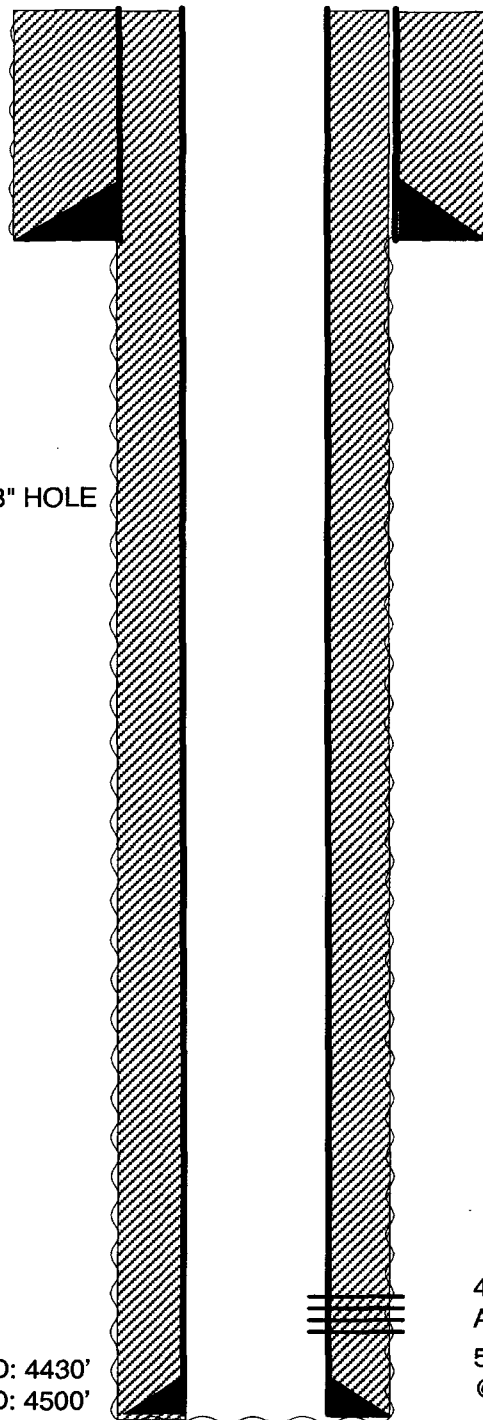
8-5/8", 24#, K-55 STC @ 1265'.
CMT'D W/570SX (CIRC).

7-7/8" HOLE

PBTD: 4430'
TD: 4500'

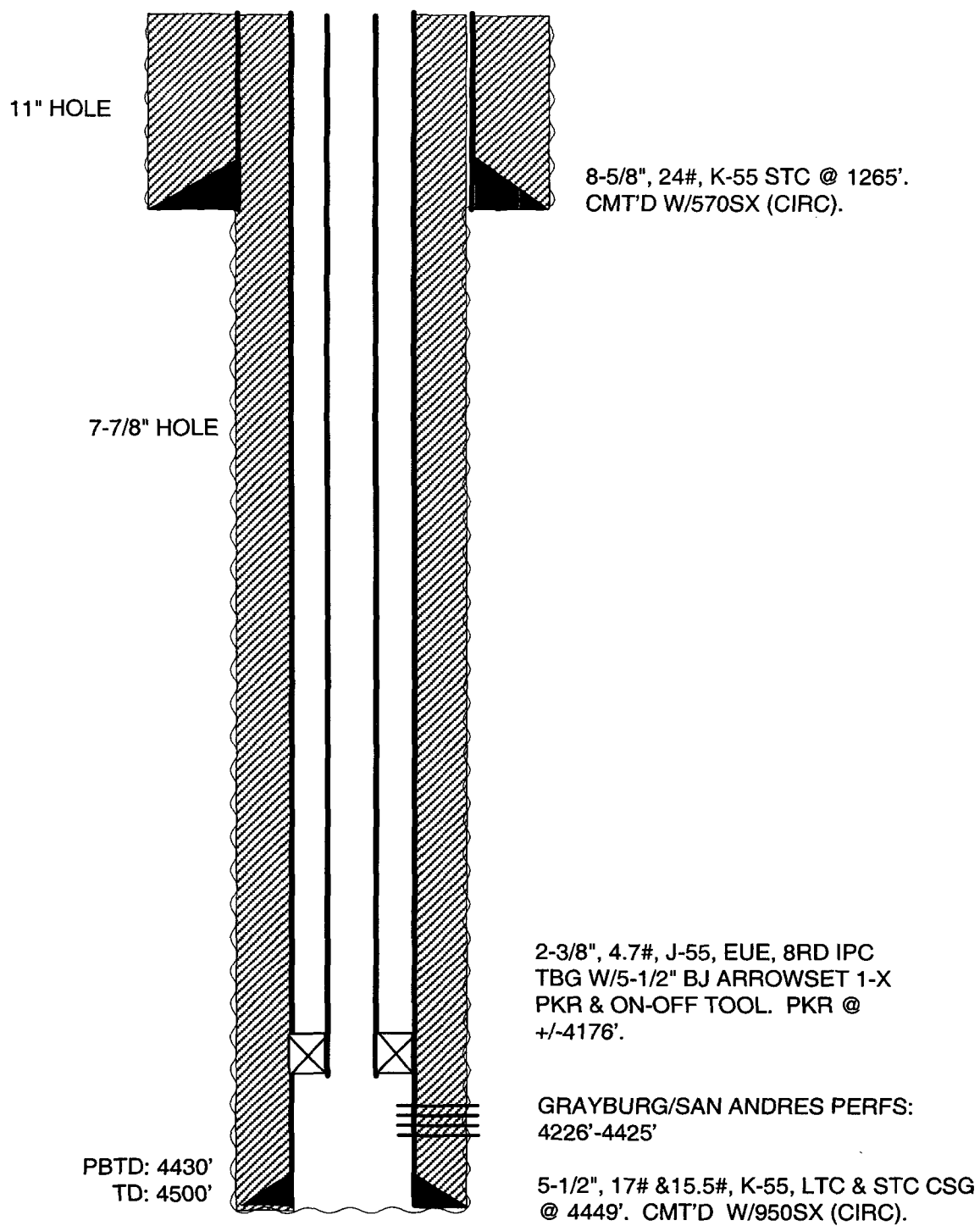
4226'-4425' (GRAYBURG/SAN
ANDRES)

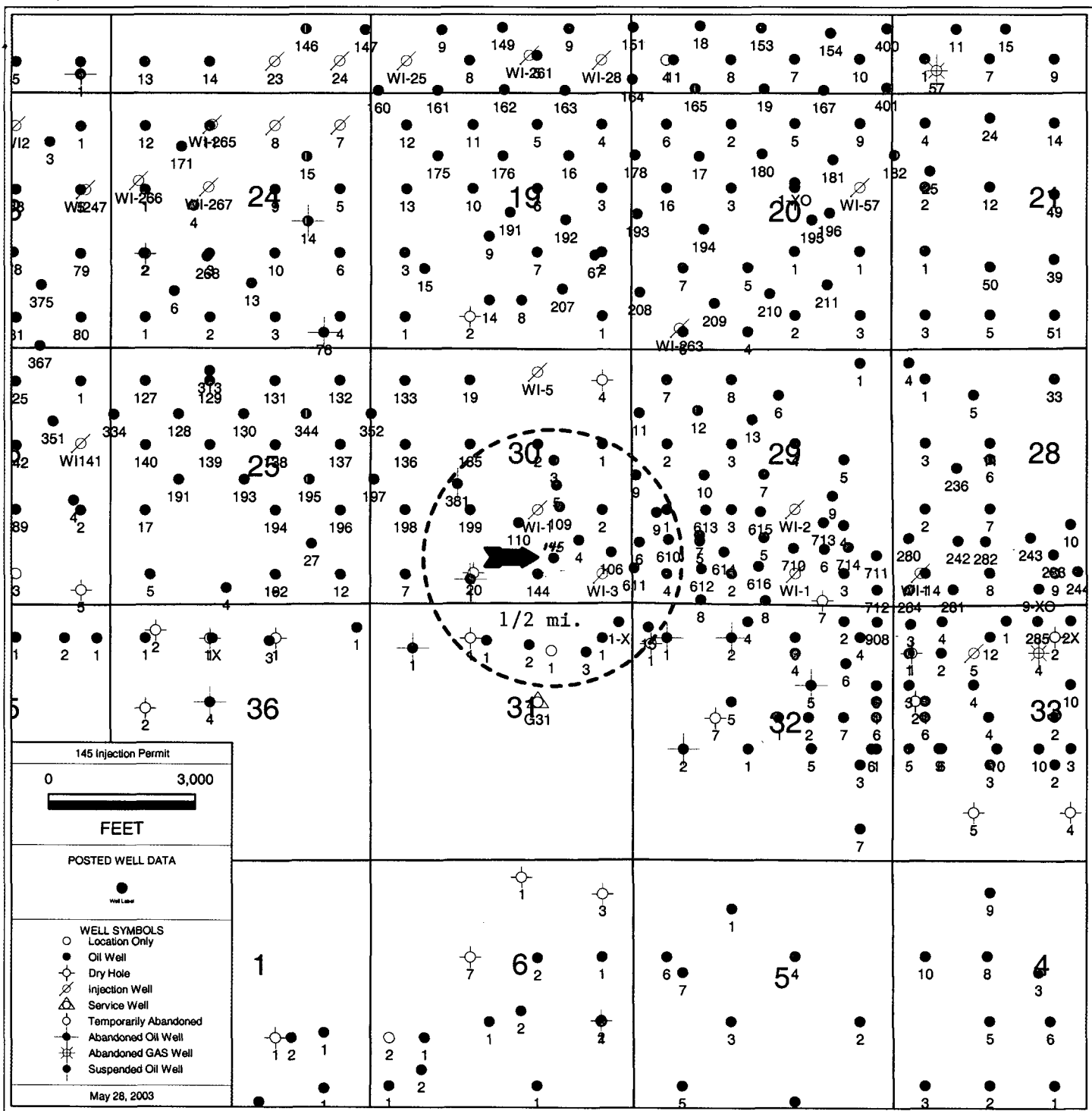
5-1/2", 17# & 15.5#, K-55, LTC & STC CSG
@ 4449'. CMT'D W/950SX (CIRC).



SEMGSAU #145
PROPOSED

ELEV: KB 4042.8
GL 4030.2
CORR 12.6





SEMGSAU



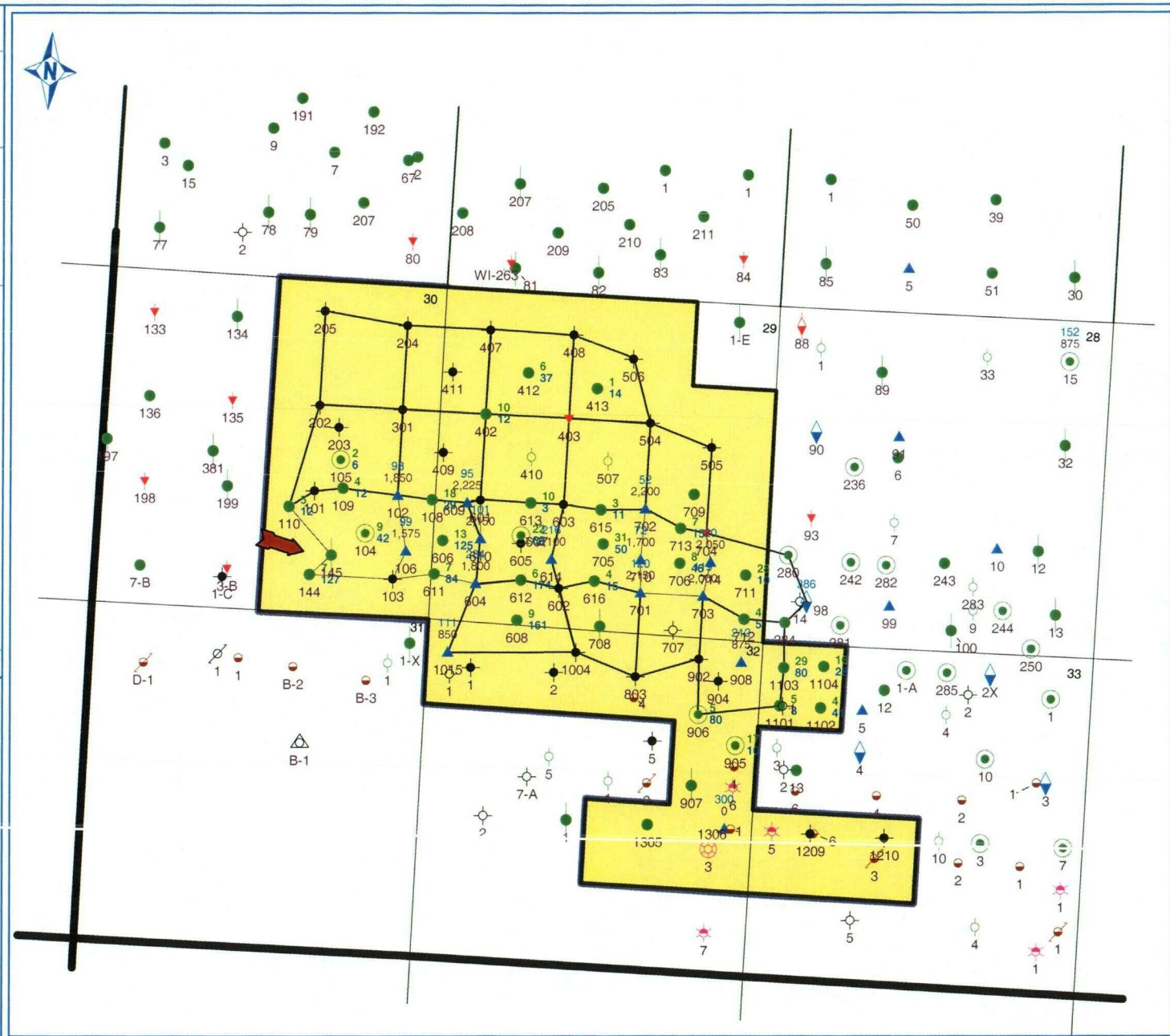
POSTED WELL DATA

WELL - INJECTION
WELL - PRESSURE
WELL - TESTOIL
WELL - TESTWATER
Well Number

WELL SYMBOLS

- Confluent Producer
- Shut In Confluent Producer
- Confluent Injector
- Shut In Confluent Injector
- Grayburg Producer
- Shut In Greyburg Producer
- Grayburg Injector
- Shut In Greyburg Injector
- Plugged and Abandoned
- Queen Producer
- Shut In Queen Producer
- Abo Producer
- Shut In Abo Producer
- Shut In Abo Producer
- Dry Hole
- Service Well

August 12, 2003



WELL: Williams #1
FIELD: MALJAMAR GRAYBURG SAN ANDRES
LOCATION: 660' FNL, 660' FEL, UNIT A, SEC 31, T17S, R33E, LEA COUNTY, NM

SURFACE CASING:

7" @ 355', CMT W/175 SX
(1980, TOC 30')

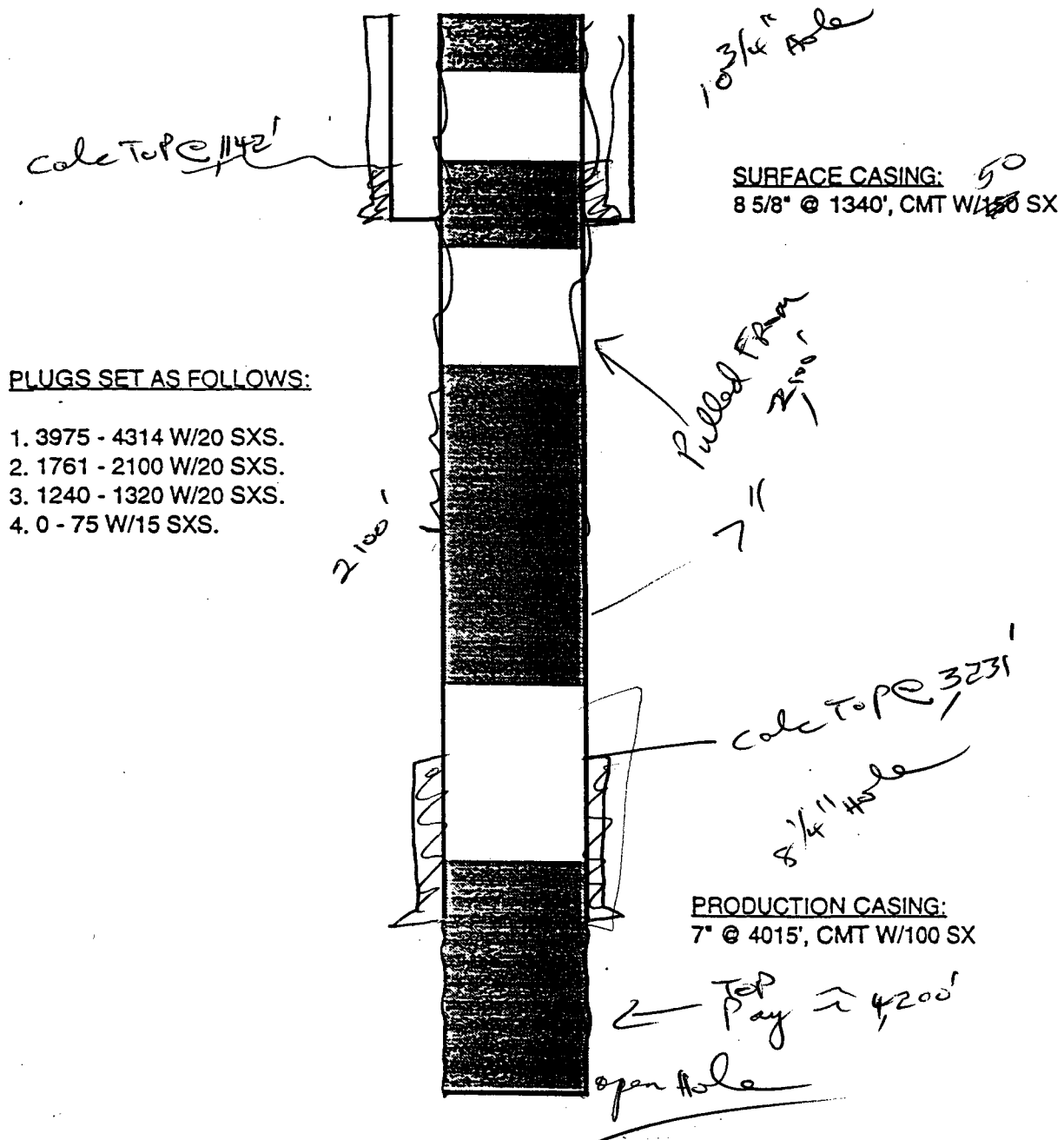
PLUGS SET AS FOLLOWS:

1. 4293 W/100 SXS.
2. 0 - 574 W/225 SXS.

7" CSG RUN TO 4050, CMT W/100 SXS.
CUT & PULLED UNKNOWN AMOUNT
(1950)

TD:4290

WELL: Williams #1-X
 FIELD: MALJAMAR GRAYBURG SAN ANDRES
 LOCATION: 330' FNL, 330' FEL, UNIT A, SEC 31, T17S, R33E, LEA COUNTY, NM

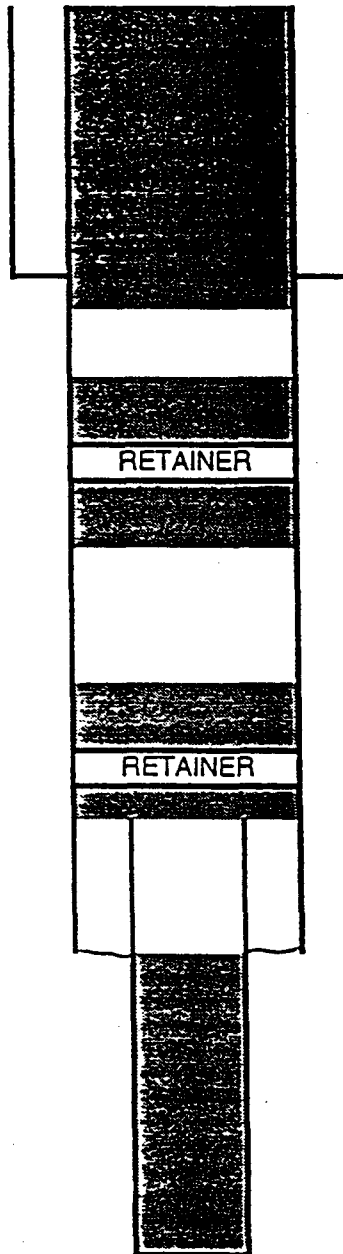


TD:4314

WELL: SEMGSAU #101
FIELD: MALJAMAR GRAYBURG SAN ANDRES
LOCATION: 1980' FSL, 1980' FEL, UNIT J, SEC 30, T17S, R33E, LEA COUNTY, NM

PLUGS SET AS FOLLOWS:

1. RETAINER @ 3708 W/26 SXS
SQZ PERFS W/300 SXS.
2. SQZ PERF @ 2700 W/300 SXS
RETAINER @ 2593 W/20 SXS
3. 0 - 1303 W/135 SXS



SURFACE CASING:

8 5/8" @ 1215', CMT W/600 SX

PRODUCTION CASING:

5 1/2" @ 3927', CMT W/300 SX

LINER CASING:

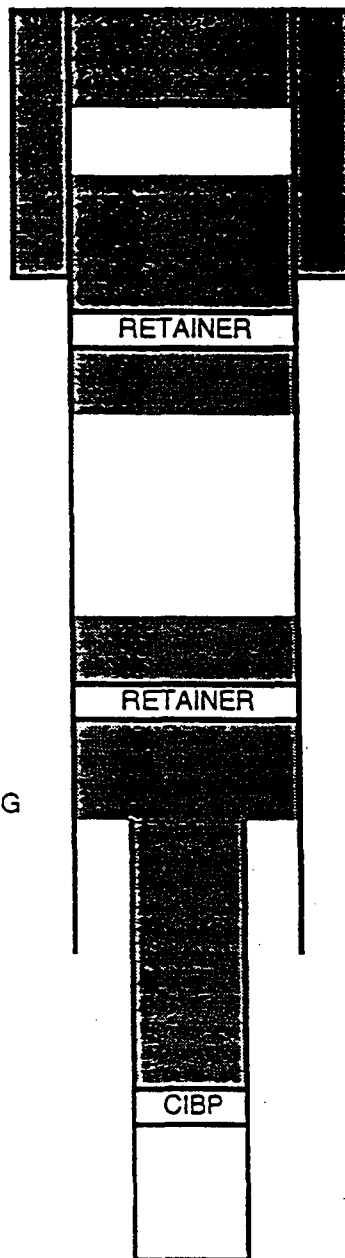
4" @ 3740 - 4281, CMT W/200 SXS

TD:4281

WELL: SEMGSAU #103
FIELD: MALJAMAR GRAYBURG SAN ANDRES
LOCATION: 660' FSL, 660' FEL, UNIT P, SEC 30, T17S, R33E, LEA COUNTY, NM

PLUGS SET AS FOLLOWS:

1. CIBP @ 4125 W/25 SXS
3635 - 4125
2. RETAINER @ 3605 W/25 SXS
3421 - 3605
3. RETAINER @ 1308
4. SQZ CSG LEAK 1393 - 1422
W/450 SXS
5. SQZ SURF CSG @ 1235 - 1237
W/150 SXS
6. PMP 250 SXS DOWN SURF CSG
@ SURF.
7. 0 - 313 W/ 37 SXS



SURFACE CASING:

8 5/8" @ 1235', CMT W/550 SX

PRODUCTION CASING:

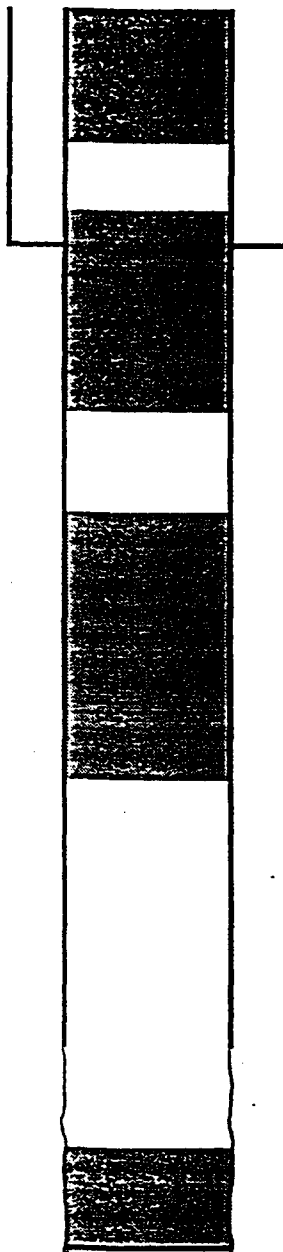
5 1/2" @ 3951', CMT W/300 SX

LINER CASING:

4" @ 3666 - 4355, CMT W/100 SXS

TD:4355

WELL: SEMGSAU #202
FIELD: MALJAMAR GRAYBURG SAN ANDRES
LOCATION: 1980' FNL, 1980' FEL, UNIT G, SEC 30, T17S, R33E, LEA COUNTY, NM



SURFACE CASING:

8 5/8" @ 1175', CMT W/275 SX

PLUGS SET AS FOLLOWS:

1. 4253 - 4303 W/10 SX.
2. 2209 - 2453 W/100 SX.
3. 1000 - 1270 W/100 SX
4. 0 - 346 W/120 SX.

PRODUCTION CASING:

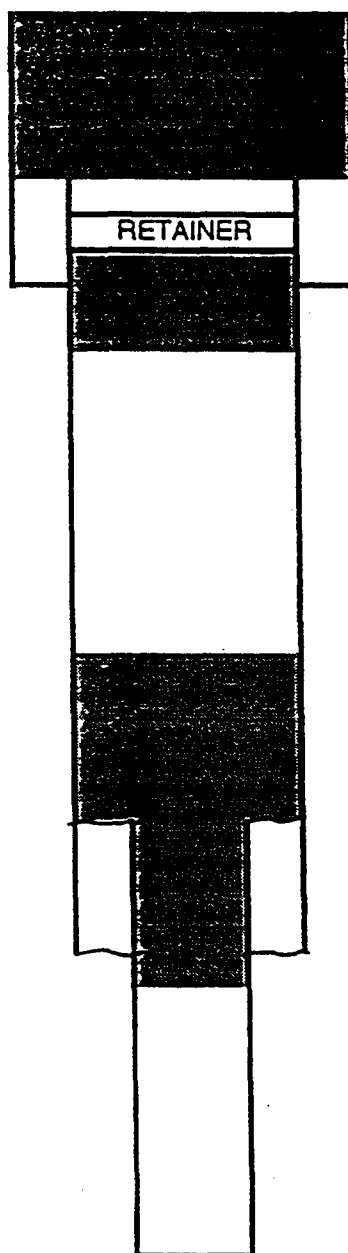
7" @ 3937', CMT W/100 SX

TD:4303

WELL: SEMGSAU #203
FIELD: MALJAMAR GRAYBURG SAN ANDRES
LOCATION: 2310' FNL, 1650' FEL, UNIT G, SEC 30, T17S, R33E, LEA COUNTY, NM

PLUGS SET AS FOLLOWS:

1. CMT PLUG @ 3800
2. 3660 - 3800 W/100 SXS
3. RETAINER @ 1096 W/100 SXS
4. SQZ PERF @ 1185 W/350 SXS
5. CUT CSG @ 872'
6. 0 - 880 W/260 SXS



SURFACE CASING:

8 5/8" @ 1181', CMT W/50 SX

PRODUCTION CASING:

7" @ 3927', CMT W/100 SX

LINER CASING:

5" @ 3798 - 4227, CMT W/40 SXS

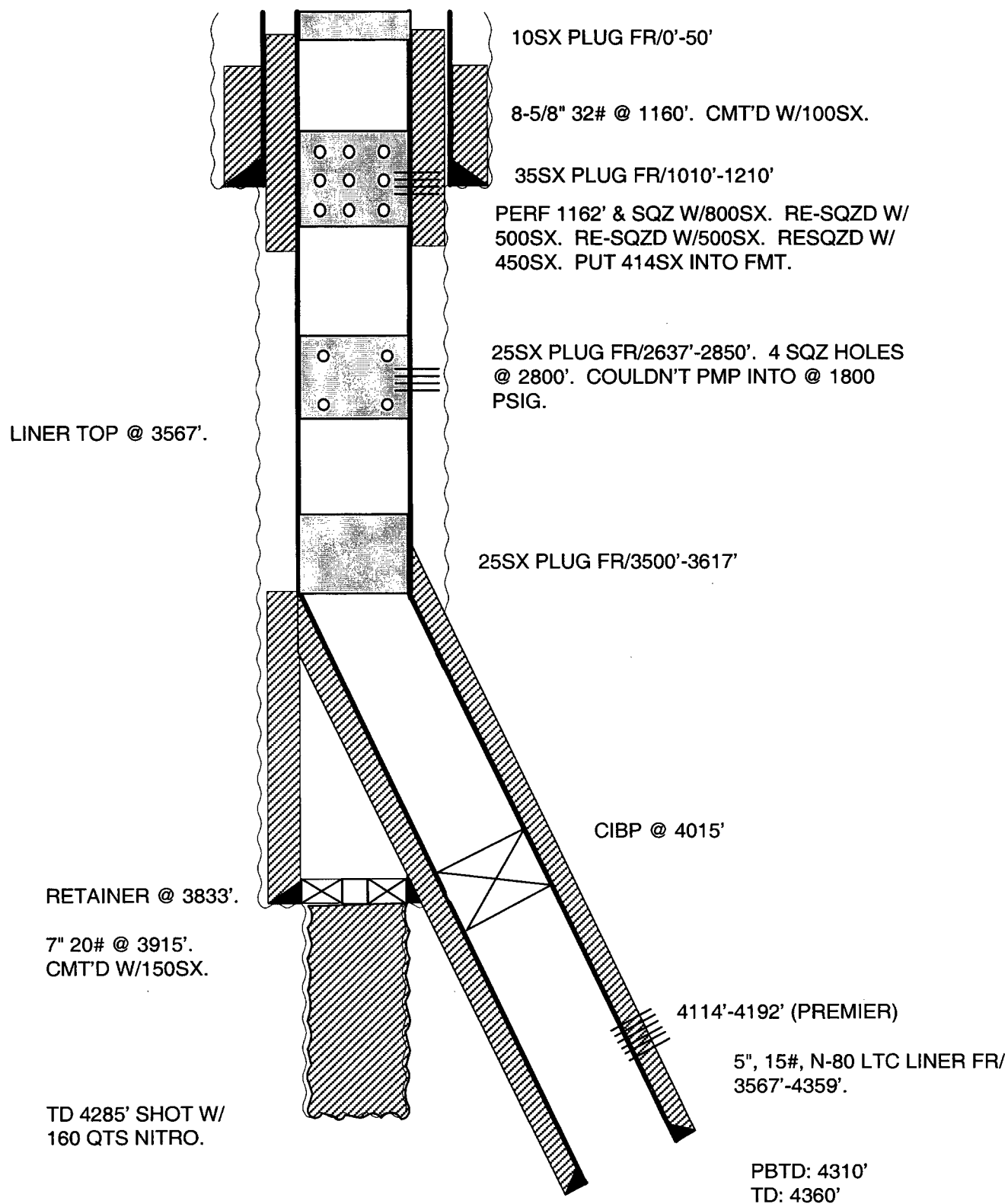
TD:4278

WELL: SEMGSAU #301

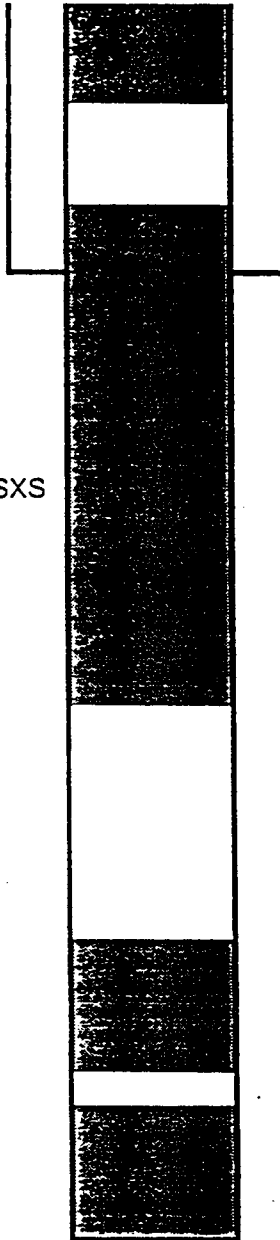
ELEV: 4071'

FIELD: MALJAMAR GRAYBURG SAN ANDRES

LOCATION: 1980' FNL, 660' FEL, UNIT H, SEC 30, T-17S,
R-33E



WELL: SEMGSAU #409
FIELD: MALJAMAR GRAYBURG SAN ANDRES
LOCATION: 2615' FNL, 25' FWL, UNIT E, SEC 29, T17S, R33E, LEA COUNTY, NM



SURFACE CASING:
8 5/8" @ 1300', CMT W/650 SX

PLUGS SET AS FOLLOWS:

1. SQZ PERFS 4296 - 4326 W200 SXS
2. 3693 - 4163 W/47 SXS
3. SQZ PERF 2650 W/565 SXS
4. 1100 - 2232 W/115 SXS
5. 0 -200 W/20 SXS

PRODUCTION CASING:
5 1/2" @ 4359', CMT W/3350 SX

TD:4359

8 5/8" @ 1265', CMT W/50 SX

1. CIBP @ 4019
2. 3705 - 4019 W/30 SXS
3. 2420 - 3104 W/100 SXS
4. CIBP @ 2204
5. 897 - 2204 W/220 SXS
6. 657 - 806 W/25 SXS
7. 0 - 122 W/25 SXS

7" @ 3960', CMT W/75 SX

4" @ 3809 - 4253, CMT W/200 SXS

TD:4253

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, KATHI BEARDEN

Publisher

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

of 1
_____ weeks.

Beginning with the issue dated

June 7 2003
and ending with the issue dated

June 7 2003

Kathi Bearden

Publisher

Sworn and subscribed to before

me this 9th day of

June 2003

Jodi Benson

Notary Public.

My Commission expires
October 18, 2004
(Seal)

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

LEGAL NOTICE
June 7, 2003

This is to advise all parties concerned that XTO Energy
Inc. intends to convert the following well to water injection:

SEMGSAU #145 Sec. 30, T-17-S, R-33-E Lea Co; NM

The formation to be injected into is the Grayburg/San An-
dres at a depth of 4226-4425'. The maximum expected in-
jection rate is 500 BWPD per well at a maximum injection
pressure of 850 psig. Questions can be addressed to:

James Hedrick
XTO Energy Inc.
3000 N. Garfield, Suite 175
Midland, TX 79705
Phone (432) 682-8873

Interested parties must file objections for hearing within 15
days of this notice to:

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

#19887

01102696000 02564437
XTO Energy Inc.
3000 N. Garfield, Suite 175
MIDLAND, TX 79705

LEGAL NOTICE

This is to advise all parties concerned that XTO Energy Inc. intends to convert the following well to water injection:

SEMGS AU #145 Sec. 30, T-17-S, R-33-E Lea Co., NM

The formation to be injected into is the Grayburg/San Andres at a depth of 3740-4430'. The maximum expected injection rate is 500 BWPD per well at a maximum injection pressure of 850 psig. Questions can be addressed to:

James Hedrick
XTO Energy Inc.
3000 N. Garfield, Suite 175
Midland, TX 79705
Phone (432) 682-8873

Interested parties must file objections for hearing within 15 days of this notice to:

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

WELLS WITHIN 1/2 MILE OF SEMGSAU WELL #145, SECTION 30

NAME	OPERATOR	LOCATION	COMPL DATE	TYPE	TD	CSG SIZE	DEPTH SET	SX CMT	PERFS	COMMENTS
1 Federal MA A	OXY	710' FNL, 2310' FWL, Congress Sec., Sec. 31, T-17S, R-33E	12/16/59	Oil	10,015'	5-1/2" 8-5/8" 13-3/8"	9001' 2785' 295'	1195 550 200	8582'-8652' 8683'-8748'	Active
		Recompleted	02/09/66		10,019'		10,019'		8465'-8412'	8478'-8508' (holes 8419', 8433', 8446')
1 Wyatt	Lion Oil Co.	660' FNL, 1980' FWL Congress Sec., Sec. 31, T-17S, R-33E	02/15/44	O & G	4413'	8-5/8" 5-1/2"	1272' 4120'	158 110	D&A-OG	8/29/58 Junked Hole From 200' on re-entry Replug
2 Fee MA B	Mack Energy Corp.	800' FNL, 2145' FEL, Congress Sec., Sec. 31, T-17S, R-33E	06/23/60	Oil	8935'	13-3/8" 8-5/8" 5-1/2"	297' 2799' 8930'	225 950 1195	8654'-8692'	Active
3 Fee MA B	Mack Energy Corp.	950' FNL, 990' FEL, Congress Sec., Sec. 31, T-17S, R-33E	02/07/61	Oil	8870'	13-3/8" 8-5/8" 5-1/2"	297' 2799' 8869'	250 950 1175	8668'-8722'	Active
1 Williams (Pre-Ongard #1)	Williams Oil Co. Pre-Ongard Opr	660' FNL, 660' FEL, Congress Sec., Sec. 31, T-17S, R-33E	01/14/44	Oil P&A @	4328' 4393'	8" 7"	1274' 4050'	75 100	4050'-4305'	P&A 3/17/50 Reentered & P&A 5/1/80
1-X Williams (PreOngard #001)	Collier, R.D. Pre-Ongard Opr	330' FNL, 330' FEL, Congress Sec., Sec. 31, T-17S, R-33E	07/11/50	Oil	4314'	8-5/8" 7"	1340' 4015'	150 100	4015'-4312'	P&A 5/28/59
1 Federal MA-C	Carper Drig Co Pre-Ongard Opr	555' FSL, 1980' FWL, Congress Sec., Sec. 30, T-17S, R-33E	04/27/60	Oil	8950'	13-3/8" 8-5/8"	297' 2751'	200 950		D&A-O 4/25/60
20 Miller B (Pearl B #3)	Conoco Phillips	685' FSL, 2050' FWL, Congress Sec., Sec. 30, T-17S, R-33E	08/04/48	Inj	4860'	10" 7"	20' 3986'	15 200		T&A 8/27/97
199 MCA Unit	Conoco Phillips	1980' FSL, 1980' FWL, Congress Sec., Sec. 30, T-17S, R-33E	06/30/43	Oil	4264'	10-3/4" 7"	20' 3950'	20 200	3950'-4264'	P&A 7/14/87
381 MCA Unit	Conoco Phillips	2515' FSL, 1720' FWL, Congress Sec., Sec. 30, T-17S, R-33E	08/29/88	Oil	4400' 718	10-3/8" 5-1/2"	1210' 4400'	1050 2500	4081'-4256' 4140'-4256' 4302'-4332'	TA-O thru 8/28/03
SEMGSAU #15	XTO Energy	500' FNL, 330' FWL, Sec. 32, T-17S, R-33E	12/08/96	Oil	4510'	8-5/8" 5-1/2"	416' 4509'	275 1350	4322'-4395'	CWTI 5/26/98 Active-Inj
SEMGSAU #101	XTO Energy	1980' FSL, 1980' FEL, Sec. 30, T-17S, R-33E	11/01/43	Oil	4281'	8-5/8"	1215'	600	4197'-4249'	CWTI 9/9/67 PA'D 1/15/86

4226 T.O.P of zone

WELLS WITHIN 1/2 MILE OF SEMGSAU WELL #145, SECTION 30										
NAME	OPERATOR	LOCATION	COMPL	TYPE	TD	CSG	DEPTH	SX	PERFS	COMMENTS
			DATE			SIZE	SET	CMT		
						5-1/2"	3916'	500		
SEMGSAU #102	XTO Energy	1980' FSL,660' FEL,Sec.30,T-17S,R-33E	02/08/44	Oil	4267'	8-5/8"	1215'	550	4114'-4226'	CWTI 4/21/73 Active-Inj
						5-1/2"	3959'	350		
SEMGSAU #103	XTO Energy	660' FSL,660' FEL, Unit P, Sec.30,T-17S,R-33E	02/29/44	Oil	4270'	8-5/8"	1235'	550	4220'-4324'	CWTI 10/6/67 - PA'D 3/19/86
						5-1/2"	3951'	300		
SEMGSAU #104	XTO Energy	1355' FSL,1135' FEL, Unit P, Sec.30, T-17S,R-33E	01/05/77	Oil	4350'	8-5/8"	1305'	650	4184'-4254'	Active-Oil
						5-1/2"	4349'	550	4276'-4306'	
SEMGSAU #105	XTO Energy	2490' FSL,1595' FEL, Unit I,Sec.30,T-17S,R-33E	04/19/80	Oil	4550'	8-5/8"	1300	660	4118'-4213'	Active-Oil
						5-1/2"	4350'	1960	4230'-4308'	
SEMGSAU #106	XTO Energy	1040' FSL,420' FEL,Unit P,Sec.30,T-17S,R-33E	05/15/96	Oil	4418'	8-5/8"	392'	250	4218'-4279'	Active-Inj
						5-1/2"	4417'	950		
SEMGSAU #108	XTO Energy	1900' FSL,104' FEL, Unit I,Sec.30,T-17S,R-33E	06/08/96	Oil	4405'	8-5/8"	395'	250	4223'-4282'	Active-Oil
						5-1/2"	4403'	850	4344'-4358'	
SEMGSAU #109	XTO Energy	1980' FSL,1470' FEL,Sec.30,T-17S,R-33E	12/12/96	Oil	4355'	8-5/8"	416'	275	4181'-4218'	Active-Oil
						5-1/2"	4355'	700		
SEMGSAU #110	XTO Energy	1650' FSL,2310' FEL,Unit J,Sec.30,T-17S,R-33E	05/08/97	Oil	4377'	8-5/8"	394'	250	4213'-4266'	Active-Oil
						5-1/2"	4377'	950		
SEMGSAU #144	XTO Energy	660' FSL,1980' FEL,Unit O,Sec.30,T-17S,R-33E	02/12/69	Oil	4381'	9-5/8"	355'	350	4250'-4350'	Active-Oil
						4-1/2"	4381'	270		
SEMGSAU #202	XTO Energy	1980' FNL,1980' FEL, Unit G,Sec.30,T-17S,4-33E	10/01/44	Oil	4303'	8-5/8"	1175'	50		P&A '49.Reentered & P&A 6/26/80
						7"	3937'	100		
SEMGSAU #203	XTO Energy	2310' FNL,1650' FEL,Sec.30,T-17S,R-33E	03/28/44	Oil	4278'	8-5/8"	1181'	50	4132'-4230'	P&A 5/29/83
						7"	3927'	100		
SEMGSAU #301	XTO Energy	1980' FNL,660' FEL,Unit H,Sec.30,T-17S,R-33E	03/08/44	Oil	4285'	8-5/8"	1160'	100	1162'	CWTI 9/15/67 P&A 8/30/01
						7"	3915'	150	4114'-4192'	
SEMGSAU #409	XTO Energy	2615' FNL,15' FWL,Sec.29,T-17S,R-33E	09/02/78	Oil	4359'	8-5/8"	1300'		4296'-4326'	P&A 12/4/83

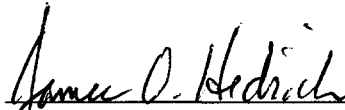
WELLS WITHIN 1/2 MILE OF SEMGSAU WELL #145, SECTION 30										
NAME	OPERATOR	LOCATION	COMPL DATE	TYPE	TD	CSG SIZE	DEPTH SET	SX CMT	PERFS	COMMENTS
						5-1/2"	4359'	150		
SEMGSAU #601	XTO Energy	1980' FSL, 660' FWL, Sec. 29, T-17S, R-33E	10/31/43	Oil	4277'	8-5/8" 7"	1265' 3960'	50 75	4168'-4238'	CWTI 10/1/67 P&A 11/84
SEMGSAU #604	XTO Energy	660' FSL, 660' FWL, Sec. 29, T-17S, R-33E	12/15/43	Oil	4444'	8-5/8" 7"	1260' 3939'	50 75	4236'-4326'	CWTI 12/22/71 Active-Inj <i>+5 1/2" casing inside</i>
SEMGSAU #606	XTO Energy	1310' FSL, 100' FWL, Sec. 29, T-17S, R-33E	02/06/73	Oil	4294'	8-5/8" 4" 5-1/2"	833' 4151' 4292'	400 250 185	4224-4268'	Active-Oil
SEMGSAU #609	XTO Energy	450' FWL, 1920' FSL, UNIT L, Sec. 29, T-17S, R-33E	01/10/92	Inj	4420'	9-5/8" 5-1/2"	1248' 4422'	650 1375	4153'-4278' 4328'-4352'	Active-Inj
SEMGSAU #610	XTO Energy	750' FWL, 1310' FSL, Unit M, Sec. 29, T-17S, R-33E	05/19/95	Oil	4397'	8-5/8" 5-1/2"	348' 4397'	250 900	4252'-4278'	Active-Inj
SEMGSAU #611	XTO Energy	710' FSL, 50' FWL, Unit M, Sec. 29, T-17S, R-33E	05/24/95	Oil	4463'	8-5/8" 5-1/2"	357' 4463'	250 800	4234'-4324'	Active-Oil

AFFIDAVIT OF MAILING

STATE OF TEXAS

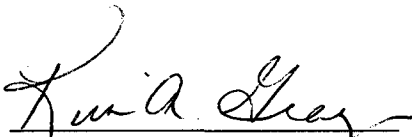
COUNTY OF MIDLAND

I, James O. Hedrick, so solemnly swear that a copy of this Application has been mailed by Certified Mail to each of the interested parties on the Mailing List, which is attached as required in XIV of Form C-108.


James O. Hedrick
Sr. Operations Engineer

SWORN AND SUBSCRIBED TO before me this 12th day of August, 2003.

My Commission expires: May 14, 2004


Notary Public



NMOCD Form C-108 – XTO Energy Inc. – SEMGSAU #145

MAILING LIST

State of New Mexico
State Land Office
P. O. Box 1148
Santa Fe, NM 87504-1148

Bureau of Land Management
720 E. Greene Street
Carlsbad, NM 88221

Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87504

Oil Conservation Division
1625 North French Drive
Hobbs, NM 88240

SURFACE OWNERS

Mr. Olane Caswell
1702 Gillham Drive
Brownfield, TX 79316

OFFSET OPERATORS

ConocoPhillips
4001 Penbrook Drive
Odessa, TX 79762

Mack Energy Corporation
P. O. Box 960
Artesia, NM 88211-0960

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:

Mack Energy
P. O. Box 960
Artesia, NM 88211-0960

2. Article Number

(Transfer from service label)

7002 1000 0004 6515 9873

PS Form 3811, August 2001

Domestic Return Receipt

2ACPRI-03-P-4081

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

- ☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

- D. Is delivery address different from item 1? ☐ Yes
if YES, enter delivery address below: ☐ No

3. Service Type

- ☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

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:

Oil Conservation Division
1625 N. French Drive
Hobbs, NM 88240

2. Article Number

(Transfer from service label)

7002 1000 0004 6515 9897

PS Form 3811, August 2001

Domestic Return Receipt

2ACPRI-03-P-4081

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

- ☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

- D. Is delivery address different from item 1? ☐ Yes
if YES, enter delivery address below: ☐ No

3. Service Type

- ☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

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1. Article Addressed to:

Bureau of Land Management
720 E. Greene Street
Carlsbad, NM 88221

2. Article Number

(Transfer from service label)

7002 1000 0004 6515 9903

PS Form 3811, August 2001

Domestic Return Receipt

2ACPRI-03-P-4081

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

- ☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

- D. Is delivery address different from item 1? ☐ Yes
if YES, enter delivery address below: ☐ No

3. Service Type

- ☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

SENDER: COMPLETE THIS SECTION

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1. Article Addressed to:

State of New Mexico
State Land Office
P. O. Box 1148
Santa Fe, NM 87504-1148

2. Article Number

(Transfer from service label)

7002 3150 0005 0528 6734

PS Form 3811, August 2001

Domestic Return Receipt

2ACPRI-03-P-4081

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

- ☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

- D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

SENDER: COMPLETE THIS SECTION

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- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Olane Caswell
1702 Gillham Drive
Brownfield, TX 79316

2. Article Number

(Transfer from service label)

7002 1000 0004 6515 9910

PS Form 3811, August 2001

Domestic Return Receipt

2ACPRI-03-P-4081

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

- ☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

- D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

SENDER: COMPLETE THIS SECTION

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- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Oil Conservation Division
1220 So. St. Francis Drive
Santa Fe, NM 87504

2. Article Number

(Transfer from service label)

7002 1000 0004 6515 9934

PS Form 3811, August 2001

Domestic Return Receipt

2ACPRI-03-P-4081

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

- ☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

- D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<div><input checked="" type="checkbox"/> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</div> <div><input checked="" type="checkbox"/> Print your name and address on the reverse so that we can return the card to you.</div> <div><input checked="" type="checkbox"/> Attach this card to the back of the mailpiece, or on the front if space permits.</div>		<div>A. Signature X</div> <div><input type="checkbox"/> Agent <input type="checkbox"/> Addressee</div>	
1. Article Addressed to: Conoco Phillips 4001 Penbrook Drive Odessa, TX 79761		B. Received by (Printed Name) C. Date of Delivery	
		D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
		3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
		4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
2. Article Number (Transfer from service label) 7002 1000 0004 6515 9880			
PS Form 3811, August 2001		Domestic Return Receipt	
		2ACPRI-03-P-4081	