Cross Timbers Operating Company

January 30, 1992

Mr. David Catanach
NMOCD
P. O. Box 2088
Sante Fe, New Mexico 87504

RE: Application for Fluid Injection
SMGSAU Tract 6 Well No. 9
Unit L, Section 29, T17S, R33E
Maljamar (Grayburg-San Andres) Pool
Lea County, New Mexico

Dear Mr. Catanach:

Enclosed is an Application for Fluid Injection with additional supporting data for the SMGSAU Tract 6 Well No. 9

If you require any additional information, please contact Mr. Gary L. Markestad at (915)682-8873.

Your attention to this matter is greatly appreciated.

Sincerely,

CROSS TIMBERS OPERATING COMPANY

Gary L. Markestad
Operations Engineer

GLM/kg
Enclosures

cc: Well File

3000 North Ga[illegible] Suite [illegible]
(915) 682-887[illegible]

Cross Timbers Operating Company

The following offset operators were notified of Cross Timbers Operating Company's intent to inject into the Grayburg formation in the SMGSAU Tract 6 Well No. 9 by certified mail:

Phillips Petroleum Company
4001 Penbrook
Odessa, Texas 79762

Certified:

CROSS TIMBERS OPERATING COMPANY

Gary L. Markestad
Operations Engineer

3000 North Garfield, Suite 210, P.O. Box [illegible]
(915) 682-8873 FAX (915) [illegible]

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501

FORM C-108
Revised 7-1-81

APPLICATION FOR AUTHORIZATION TO INJECT

I. Purpose: [X] Secondary Recovery [ ] Pressure Maintenance [ ] Disposal [ ] Storage
Application qualifies for administrative approval? [X] yes [ ] no

II. Operator: Cross Timbers Operating Company

Address: P. O. Box 50847, Midland, Texas 79710

Contact party: Gary L. Markestad Phone: (915)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? [X] 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: Gary L. Markestad Title Operations Engineer

Signature: Gary L. Markestad Date: 1/29/92

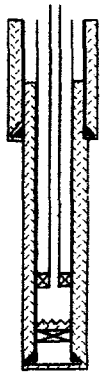
* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.

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

INJECTION WELL DATA SHEET

CROSS TIMBERS OPERATING COMPANY		SMGSAU TRACT 6	
	OPERATOR		LEASE
9	450' FWL, 1920' FSL		SEC 29, T17S, R33E
WELL NO.	FOOTAGE LOCATION		SEC/TWP/RGE

SCHEMATIC



TABULAR DATA

SURFACE CASING		
SIZE	9 5/8"	CEMENTED WITH 650 SX.
TOC	SURFACE	DETERMINED BY CIRCULATION
HOLE SIZE	12 1/4"	
INTERMEDIATE CASING		CEMENTED WITH
SIZE		DETERMINED BY
TOC		
HOLE SIZE		
LONG STRING	5 1/2"	CEMENTED WITH 1375 SX.
TOC	690 FEET	DETERMINED BY TEMP. SUR.
HOLE SIZE	7 7/8"	
TOTAL DEPTH	4420'	

INJECTION INTERVAL
4156 FEET TO 4281 FEET

TUBING SIZE 2 3/8" LINED WITH PLASTIC SET IN A BAKER LOK-SET (OR EQUIV.) PACKER AT 4100'.

OTHER DATA

1. NAME OF INJECTION FORMATION — GRAYBURG
2. NAME OF FIELD OR POOL — MALJAMAR (G-SA)
3. IS THIS A NEW WELL DRILLED FOR INJECTION ? — NO
   IF NO, FOR WHAT PURPOSE WAS THIS WELL ORIGINALLY DRILLED ?
   PRODUCTION
4. HAS THE WELL EVER BEEN PERFORATED IN ANY OTHER ZONE(S) ? LIST ALL SUCH PERFORATED INTERVALS AND GIVE PLUGGING DETAIL (SACKS OF CEMENT OR BRIDGE PLUG(S) USED

ATTACHMENT

ITEM VII

1) The proposed average daily injection rate is 250 BWPD. The maximum daily injection rate is 400 BWPD.
2) The injection system is closed.
3) The average injection pressure will be 1,400 psig. The maximum injection pressure will be 1,600 psig.
4) Make up water will be fresh water purchased from Conoco, Inc.
5) Injection will be into a zone productive of oil and gas for secondary recovery purposes.

ITEM VIII

Injection will be into the Grayburg formation, a sandstone, with a net sand thickness of 76 feet occurring between the depths of 4,156 feet and 4,280 feet.

No sources of drinking water occur within one mile of this location.

ITEM IX

Stimulation will be approximately 7,600 gallons of 15% NEFE acid.

ITEM X

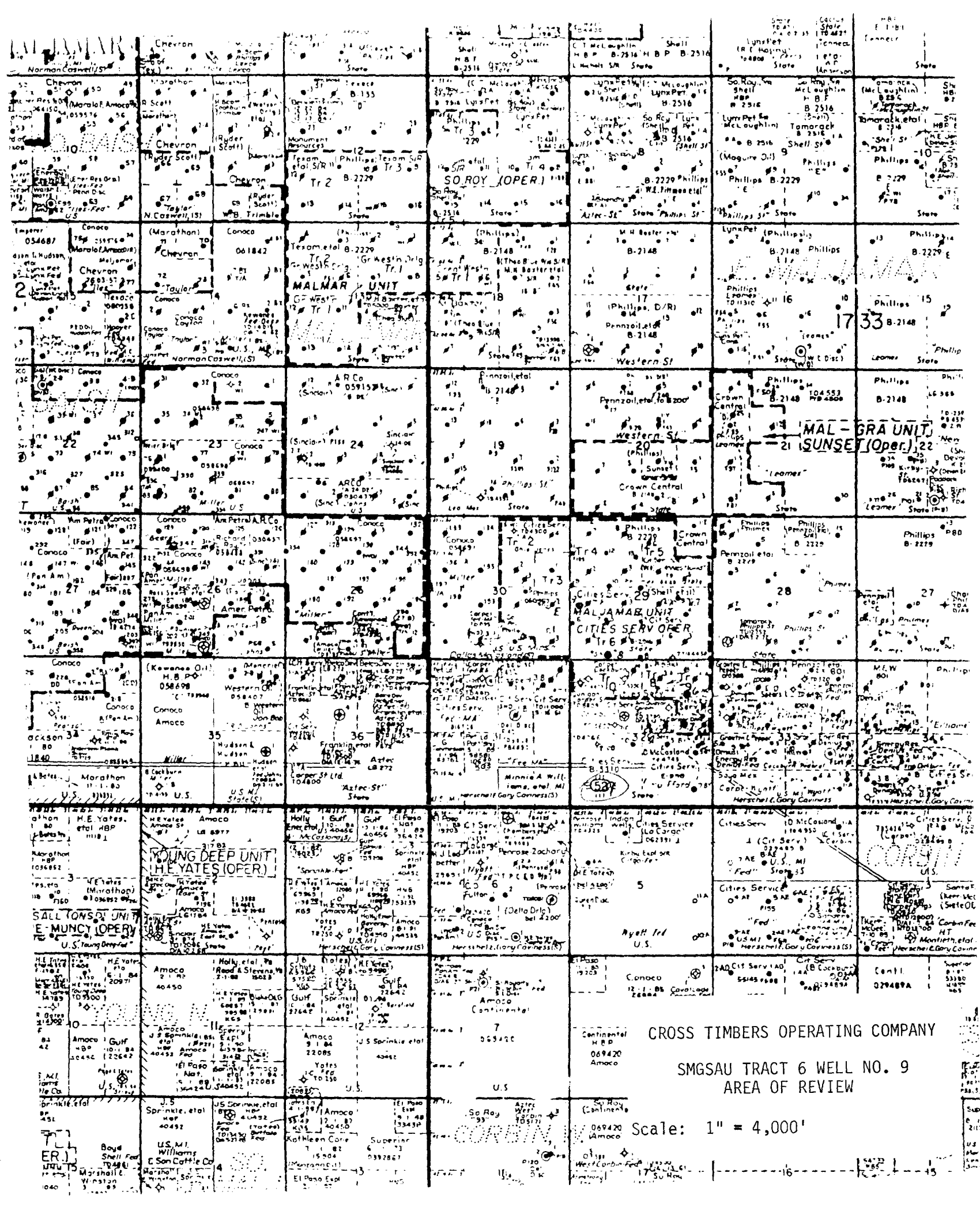
Well logs have been submitted with the original completion forms.

ITEM XI

No fresh water wells exist within one mile of this location.

ITEM XII

Since there is no underground source of drinking water in the immediate vicinity of this well, there can be no hydraulic communication between the injection interval and a source of drinking water.


SO ROY (OPER.)
MALMAR UNIT
MAL-GRA UNIT
SUNSET (Oper.)
CITIES SERV OPER
MAL JAMAR UNIT
YOUNG DEEP UNIT
H.E. YATES (OPER.)
CORBIN
CROSS TIMBERS OPERATING COMPANY
SMGSAU TRACT 6 WELL NO. 9
AREA OF REVIEW
Scale: 1" = 4,000'

SMGSAU TRACT 6 WELL 9 AREA OF REVIEW

OPERATOR	CROSS TIMBERS	CROSS TIMBERS	CROSS TIMBERS	CROSS TIMBERS	CROSS TIMBERS	CROSS TIMBERS
WELL NAME	SMGSAU TRACT 1 #1	SMGSAU TRACT 1 #2	SMGSAU TRACT 1 #3	SMGSAU TRACT 1 #4	SMGSAU TRACT 1 #5	SMGSAU TRACT 2 #3
LOCATION	1980' FSL,1980' FEL	1980' FSL,660' FEL	660' FSL,660' FEL	1355' FSL, 1135' FEL	2490' FSL, 1595' FEL	2310' FNL, 1650' FEL
SEC/TWP/RGE	SEC 30, T17S, R33E	SEC 30, T17S, R33E	SEC 30, T17S, R33E	SEC 30, T17S, R33E	SEC 30, T17S, R33E	SEC 30, T17S, R33E
WELL TYPE	INJECTION	INJECTION	INJECTION	OIL	OIL	OIL
STATUS	P&A	ACTIVE	P&A	ACTIVE	ACTIVE	P&A
SURFACE CSG.	8 5/8" 32# @ 1215'	8 5/8" 32# @ 1215'	8 5/8" 32# @ 1235'	8-5/8" 24# @ 1305'.	8-5/8" 24# @ 1300'.	8-5/8" 24# @ 1181'.
CMT SX.	600 SX	550 SX	550 SX	650SX	660SX	50SX
TOP OF CMT	SURFACE (CALC)	SURFACE (CALC)	SURFACE	CIRC	SURF	1075' (CALC)
INTERMEDIATE CSG						
CMT SX.						
TOP OF CMT						
PRODUCTION CSG	5 1/2" 14# @ 3927'	5 1/2" 14# @ 3959'	5 1/2" 14# @ 3951'	5-1/2" 15.5# @ 4349'.	5-1/2" 15.5 & 17#	7" 20# @ 3921'
CMT SX.	300 SX	350 SX	300 SX	550SX	1960SX	100SX
TOP OF CMT	2400' (CALC)	3700'	2427' (CALC)	4,050'	SURF	2845' (CALC)
LINER	3740'-4281'	4" 10.46# @ 3626'-4363'	4" 11.34# @ 3666'-4355'			5" 18# @ 3798'-4227'
CMT SX.	275 SX	350 SX	275 SX.			40SX
TOTAL DEPTH	4281'	4364'	4355'	4,350'	4,350'	4278'
DATE DRILLED	8/43	12/43	2/44	11/76	12/79	5/53
PERFORATIONS	4197'-4249'	4114'-4226'	4220'-4324'	4184'-4306'	4118'-4213'	4132'-4189'
REMARKS	P&A 1/15/86. RET. @ 3708' W/ 26SX ON TOP SQZ W/ 300 SX. PERF @ 2700'. RETAINER @ 2593'. SQZ W/ 300 SX. CAP RETAINER W/ 20 SX. 135 SX @ 1303'-SURF.		P&A 3/86 CIBP @ 4,125'. 25SX ON CIBP(4125'-3635') RET @ 3605' W/25SX ON TOP (3605'-3421'). RET @ 1306'. SQZ LK W/450SX. PERF 1235'-37'. RET @ 1123'. SQZ W/ 150SX. LEFT 5SX ON RET. PERF 980'. PMP 250SX CMT DWN CSG. TOC 313' INSIDE 5-1/2". FILL 8-5/8" X 5-1/2" W/CMT. SET 37SX PLUG 313'-SURF.		P & A 5/83 25SX 3800'-3660' 100SX 2914'-2348' PERF 1185' SET RET @ 1096'. SQZ W/350SX. LEFT 100SX ON RET. 50SX 282'-SURF. DO PLUGS TO 889'. CUT OFF 7" @ 880'. 260SX PLUG FR/ 880'-SURF.

SMGSAU TRACT 6 WELL 9 AREA OF REVIEW

OPERATOR	CROSS TIMBERS	CROSS TIMBERS	CROSS TIMBERS	CROSS TIMBERS	CROSS TIMBERS	CROSS TIMBERS
WELL NAME	SMGSAU TRACT 3 #1	**SMGSAU TRACT 4 #7**	**SMGSAU TRACT 4 #9**	SMGSAU TRACT 4 #10	**SMGSAU TRACT 4 #11**	SMGSAU TRACT 4 #12
LOCATION	1980' FNL, 660' FEL	660' FNL, 660' FWL	2615' FNL, 25' FWL	2615' FNL, 1420' FWL	1345' FNL, 100' FWL	1295' FNL, 1295' FWL
SEC/TWP/RGE	SEC 30, T17S, R33E	SEC 29, T17S, R33E	SEC 29, T17S, R33E	SEC 29, T17S, R33E	SEC 29, T17S, R33E	SEC 29, T17S, R33E
WELL TYPE	INJECTION	INJECTION	OIL	OIL	OIL	OIL
STATUS	SI	**P & A**	**P & A**	ACTIVE	**P & A**	ACTIVE
SURFACE CSG.	8-5/8" 32# @ 1160'	8-5/8" 24# @ 320'.	8-5/8" 24# @ 1300'.	8-5/8" 24# K-55 @ 1316'	8-5/8" 24# K-55 @ 1299'	8-5/8" 24# K-55 @ 1305'
CMT SX.	100SX	325SX	650SX	650SX	900SX	800SX
TOP OF CMT	950' (CALC)	SURFACE	SURFACE	SURFACE	SURFACE	SURFACE
INTERMEDIATE CSG						
CMT SX.						
TOP OF CMT						
PRODUCTION CSG	7" 20# @ 3915'	5-1/2" 14# @ 4,559'.	5-1/2" 14# @ 4359'	5-1/2" 14# K-55 @ 4343'	5-1/2" 15.5# K-55 @ 3900'	5-1/2" 15.5# K-55 @ 3900'
CMT SX.	150SX	250SX	3350SX	2350SX	1200SX	1200SX
TOP OF CMT	2056' (CALC)	3209' (CALC)	2320'	2320'	SURFACE	SURFACE
LINER	5" 15# @ 3566'-4360'					4" 10.46# J55 3678'-4449'
CMT SX.	SQZ TOP W/600SX.					275SX
TOTAL DEPTH	4360'	4560'	4359'	4377'	4073'	4425'
DATE DRILLED	1/44	9/60	8/78	8/78	10/81	11/81
PERFORATIONS	4114'-4192'	3968'-4472'	4296'-4326'	4168'-4340'	3900'-4073' (OH)	4081'-4188'
REMARKS	SQZ @ 1162' W/1950SX. CIRC CMT TO SURF.	RET @ 3900'. SQZ W/200SX. LEFT 15SX ON RET-7/82. PERF 2750'. RET @ 2629'. SQZ W/330SX. LEFT 20SX ON RET. PERF 1200'. RET @ 1095'. SQZ W/350SX. LEFT 20SX ON RET. 40SX PLUG 407'-SURF-5/83.	P & A 12/83. RET @ 4163'. SQZ W/200SX. LEFT 47SX ON TOP OF RET. (PLUG 4163'-3693'). RET @ 2232'. SQZ W/565SX FOAM CMT. 115SX PLUG FR/2232'-1100' 20SX 200'-SURF.		P & A 4/16/83. 30SX @ 3800'-3500'. 30SX @ 2912'-2612'. 50SX @ 1426'-926'. 20SX @ 221'-SURF.	

SMGSAU TRACT 6 WELL 9 AREA OF REVIEW

OPERATOR	CROSS TIMBERS	CROSS TIMBERS	CROSS TIMBERS	CROSS TIMBERS	CROSS TIMBERS	CROSS TIMBERS
WELL NAME	SMGSAU TRACT 4 #13	SMGSAU TRACT 5 #7	SMGSAU TRACT 6 #1	SMGSAU TRACT 6 #2	SMGSAU TRACT 6 #3	SMGSAU TRACT 6 #4
LOCATION	1485' FNL, 2400' FWL	2615' FNL, 2615' FEL	1980' FSL, 660' FWL	660' FSL, 1980' FWL	1980' FSL, 1980' FWL	660' FSL, 660' FWL
SEC/TWP/RGE	SEC 29, T17S, R33E	SEC 29, T17S, R33E	SEC 29, T17S, R33E	SEC 29, T17S, R33E	SEC 29, T17S, R33E	SEC 29, T17S, R33E
WELL TYPE	OIL	OIL	INJECTION	INJECTION	INJECTION	INJECTION
STATUS	SI	SI	P & A	P & A	SI	ACTIVE
SURFACE CSG.	8-5/8" 24# K-55 @ 1312'.	8-5/8" 24# K-55 @ 1300'	8-5/8" 32# @ 1265'	8-5/8" 32# @ 1300'	8-5/8" 32# @ 1260'.	8-5/8" 32# @ 1260'
CMT SX.	800SX	660SX	50SX	25SX	50SX	50SX
TOP OF CMT	SURFACE	SURFACE	1166' (CALC)	1250' (CALC)	1160' (CALC)	1160' (CALC)
INTERMEDIATE CSG						
CMT SX.						
TOP OF CMT						
PRODUCTION CSG	5-1/2" 15.5# K-55 @ 3907'	5-1/2" 15.5# K-55 @ 3888'	7" 22.5# @ 3960'	7" 22# @ 4060'	7" 22# @ 3950'	7" 20# @ 3939'
CMT SX.	1000SX	1135SX	75SX	200SX	75SX	75SX
TOP OF CMT	SURFACE	SURFACE	3030(CALC)(355 AFTER SQZ)	2200' (CALC)	SURFACE	3009' (CALC)
LINER	4" 10.46# J55 3678'-4449'	4" 11.34# N80 3696'-4379'	3809-4253 4-1/2 11.6# N80		4-1/2 11.6# N80 3724-4115	5" 15# 3758'-4444'
CMT SX.	50SX	50SX	200SX		400SX	75SX
TOTAL DEPTH	4450'	4380'	4272'	4320'	4300'	4445'
DATE DRILLED	9/81	12/79	9/43	4/43	9/43	12/43
PERFORATIONS	4118'-4236'	4172'-4354'	4168-4238, OH 4253-4272	OH 4060'-4312' (4320'-12'	OH 4115'-4300'	4236'-4326'
REMARKS			SQZ 2379'-2409' W/2975SX IN 11/84. P & A 11/21/84. CIBP @ 4015'. 30SX 4019'-3705'. 100SX 3014'-2420'. CIBP @ 2204'. 220SX 2204'-897'. 25SX 806'-657'. 25SX 122'-SURF.	PB W/LEAD WOOL). P & A 3/82. RET @ 3995'. SQZ W/500SX. CSG COLLAPSED BELOW 2125'. CUT OFF 2-7/8" TBG @ 2110'. SQZ LK 208'-240' W/550SX. CIRC 150SX. PERF @ 2100'. RET @ 2000'. SQZ W/300SX. LEFT 4SX ON RET(TOC 1900'). PERF @ 1300'. RET @ 1265'. SQZ W/200SX. LEFT 25SX ON RET. PERF @ 500'. RET @ 425'. SQZ W/100SX. 100SX 425'-SURF.	12/78 SQZ 2505'-37' W/600SX. SQZ 1270' W/750SX. CIRC TO SURF. 3/83 SQZ @ 3020' W/200SX. SQZ @ 1183' W/700SX.	4/83 - SQZ @ 1265' W/200SX.

SMGSAU TRACT 6 WELL 9 AREA OF REVIEW

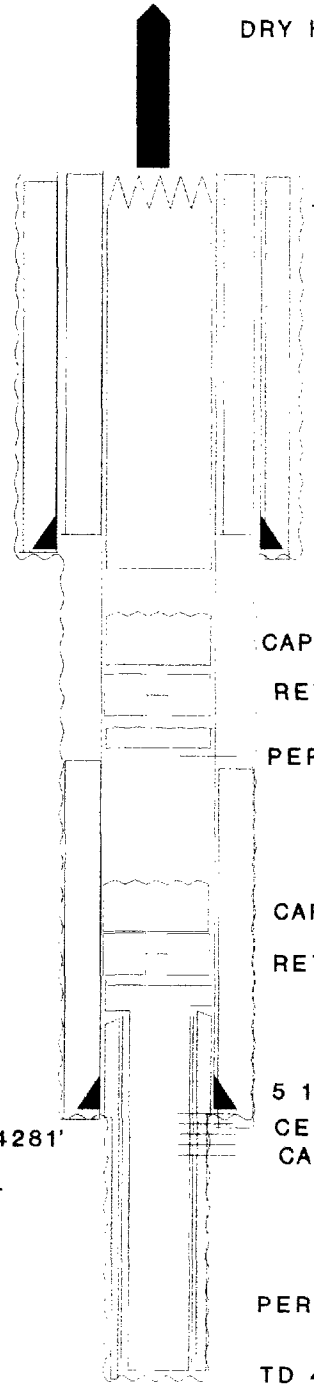
OXY, USA

OPERATOR	CROSS TIMBERS	CROSS TIMBERS	CROSS TIMBERS	CROSS TIMBERS	CROSS TIMBERS	BARNEY COCKBURN
WELL NAME	**SMGSAU TRACT 6 #5**	SMGSAU TRACT 6 #6	SMGSAU TRACT 6 #7	SMGSAU TRACT 6 #8	SMGSAU TRACT 7 #5	**STATE #1**
LOCATION	1330' FSL, 1330' FWL	1310' FSL, 100' FWL	1455' FSL, 1330' FWL	125' FSL, 1345' FWL	1395' FSL, 2615' FWL	660' FNL, 660' FWL
SEC/TWP/RGE	SEC 29, T17S, R33E	SEC 29, T17S, R33E	SEC 29, T17S, R33E	SEC 29, T17S, R33E	SEC 29, T17S, R33E	SEC 32, T17S, R33E
WELL TYPE	OIL	OIL	OIL	OIL	OIL	OIL
STATUS	**P & A**	ACTIVE	ACTIVE	ACTIVE	ACTIVE	**P & A**
SURFACE CSG.	10" 34# @ 20'	8-5/8" 24# @ 833'	8-5/8" 24# @ 1302'	8-5/8" 24.55# @ 309'	8-5/8" 20# @ 369'	8-5/8" 34# @ 1281'
CMT SX.	0SX	400SX	660SX	250SX	300SX	50SX
TOP OF CMT	NA	SURFACE	SURFACE	SURFACE	SURFACE	1174' (CALC)
INTERMEDIATE CSG						
CMT SX.						
TOP OF CMT						
PRODUCTION CSG	7" 23# @ 4008'	5-1/2" 14# @ 4292'.	5-1/2" 17# @ 3900'	5-1/2 15.5# & 17# @ 4550'	5-1/2" 14# @ 4448'	7" 22# @ 4028'
CMT SX.	240SX	435SX	800 (SQZ @ 1315' W/500SX)	1170SX	335SX	100SX
TOP OF CMT	873(DV TOOL 1490' W/90SX)	2020'	SURFACE	SURFACE	2360'	2788' (CALC)
LINER	5" 15# 3840'-4185'		4" 10.46# 3728'-4360'			5-1/2" 4028'-4473'
CMT SX.	236SX		75SX			
TOTAL DEPTH	4320'	4292'	4360'	4550'	4450'	4473'
DATE DRILLED	8/47	1/73	9/80	12/91	11/71	1/44
PERFORATIONS	4189'-4320' (OH)	4170'-4271'	4177'-4326'	4257'-4382'	4232'-4300'	
REMARKS	P & A 10/31/80. RET @ 3809. SQZ W/1000SX. LEFT 100SX ON RET. TOC @ 3146'. 125SX 3148'-2043'. RET @ 961'. SQZ W/500SX. PMP 400SX DWN CSG. 10SX 30'-SURF.					P & A 1/45 RE-PLUGGED 3/18/80 7" CASING CUT OFF @ 1622' 200SX 1313'-1675' 200SX 1020'-1313' 10SX 30'-SURFACE

SMGSAU TRACT 6 WELL 9 AREA OF REVIEW

	OXY, USA	OXY, USA	
OPERATOR	R.D. COLLIER	BARNEY COCKBURN	PHILLIPS PETROLEUM CO.
WELL NAME	**STATE #1-X**	**OHIO-JONES #2**	U. S. MINERALS #5
LOCATION	330' FNL, 330' FEL	1980' FNL, 1980' FEL	990' FSL, 1650' FEL
SEC/TWP/RGE	SEC 31, T17S, R33E	SEC 30, T17S, R33E	SEC 30, T17S, R33E
WELL TYPE	OIL	DRY HOLE	OIL
STATUS	**P & A**	**P & A**	ACTIVE
SURFACE CSG.	8-5/8" 28# @ 1330'	8 5/8" 32# @ 1175'	8 5/8" 24# @ 1265'
CMT SX.	50SX	50SX	570SX
TOP OF CMT	1223' (CALC)	1068' (CALC)	SURFACE (CIRC)
INTERMEDIATE CSG			
CMT SX.			
TOP OF CMT			
PRODUCTION CSG	7" 20# @ 4015'	7" 20# @ 3937'	5 1/2" 17#&15.5# @ 4449'
CMT SX.	100SX	100SX	950SX
TOP OF CMT	2775' (CALC)	2697' (CALC)	SURFACE (CIRC)
LINER			
CMT SX.			
TOTAL DEPTH	4314'	4304'	4500'
DATE DRILLED	4/59	10/44	3/80
PERFORATIONS	4015'-4314' (OH)		4226'-4425'
REMARKS	P&A 6/8/59 20SX 4314'-3975' CUT OFF 7" @ 2100' 20SX @ 2100' 20SX @ 1320' 15SX @ SURFACE	RE-PLUGGED 7/81 DRL OUT TO 8 5/8" @ 246' SET 8 5/8" 24# @ 246' CMT W/ 225SX DRL OUT TO 7" @ 2323' DRL OUT 7" TO 3987' 100SX 3987'-3887' 100SX 2453'-2000' 100SX 1270'-900' 100SX 346'-SURFACE	CIBP @ 4400'

CROSS TIMBERS OPERATING CO.
SMGSAU TRACT 1 WELL NO.1



DRY HOLE MARKER

135 SX PLUG 1303'- SURFACE

8 5/8" 32# @ 1215'
CEMENTED W/ 600 SX
CEMENT CIRCULATED

CAP RETAINER W/ 20 SX.

RETAINER @ 2593'. SQUEEZE W/ 300 SX.

PERF @ 2700'

CAP RETAINER W/ 26 SX.

RETAINER @ 3708'. SQUEEZE W/ 300 SX.

5 1/2" 14# CASING @ 3927'
CEMENTED W/ 300 SX.
CALC. TOP OF CEMENT @ 2400'

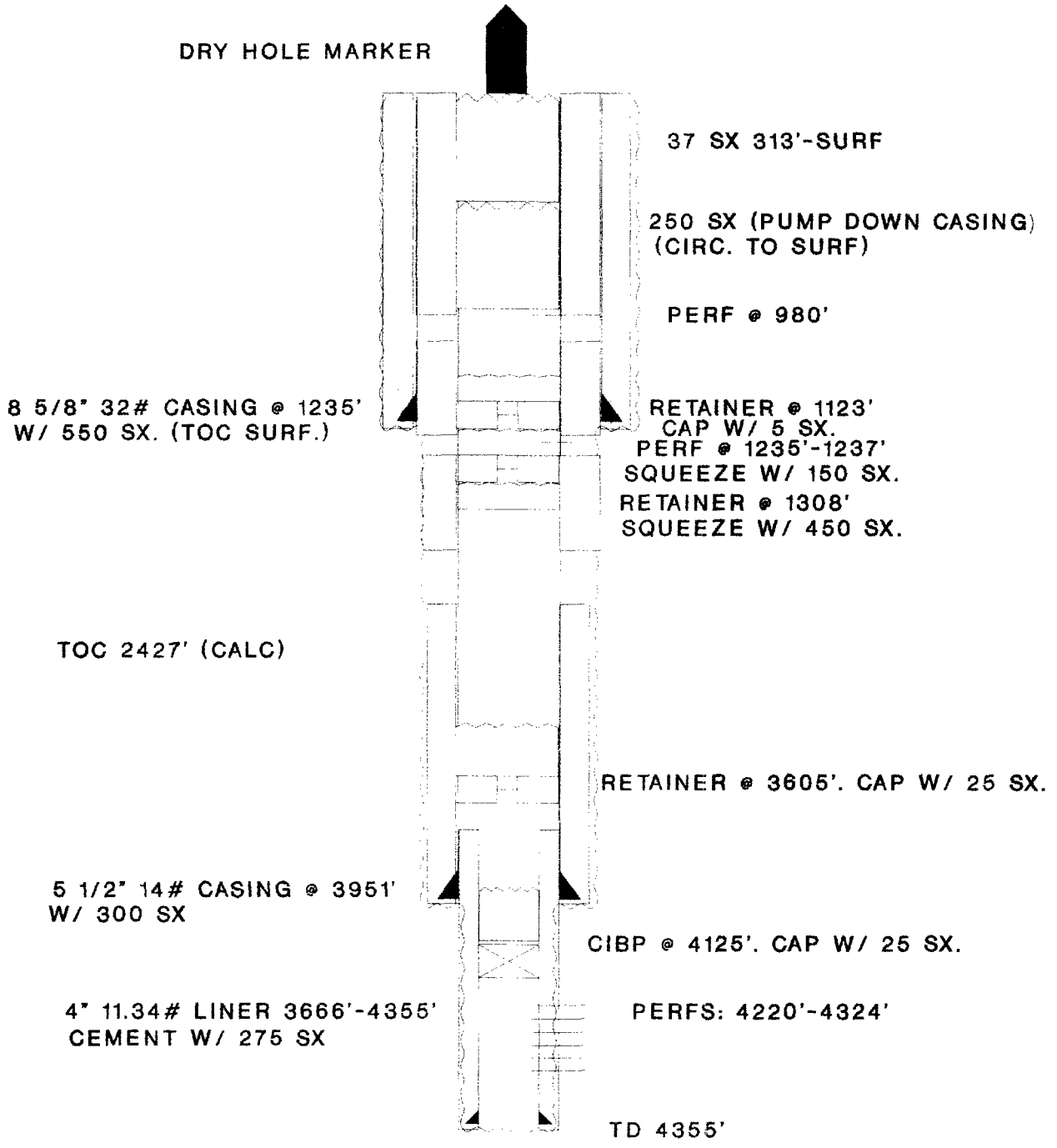
4" 11.34# LINER @ 3740'- 4281'
CEMENTED W/ 275 SX.

PERFS 4197'-4249'

TD 4281'

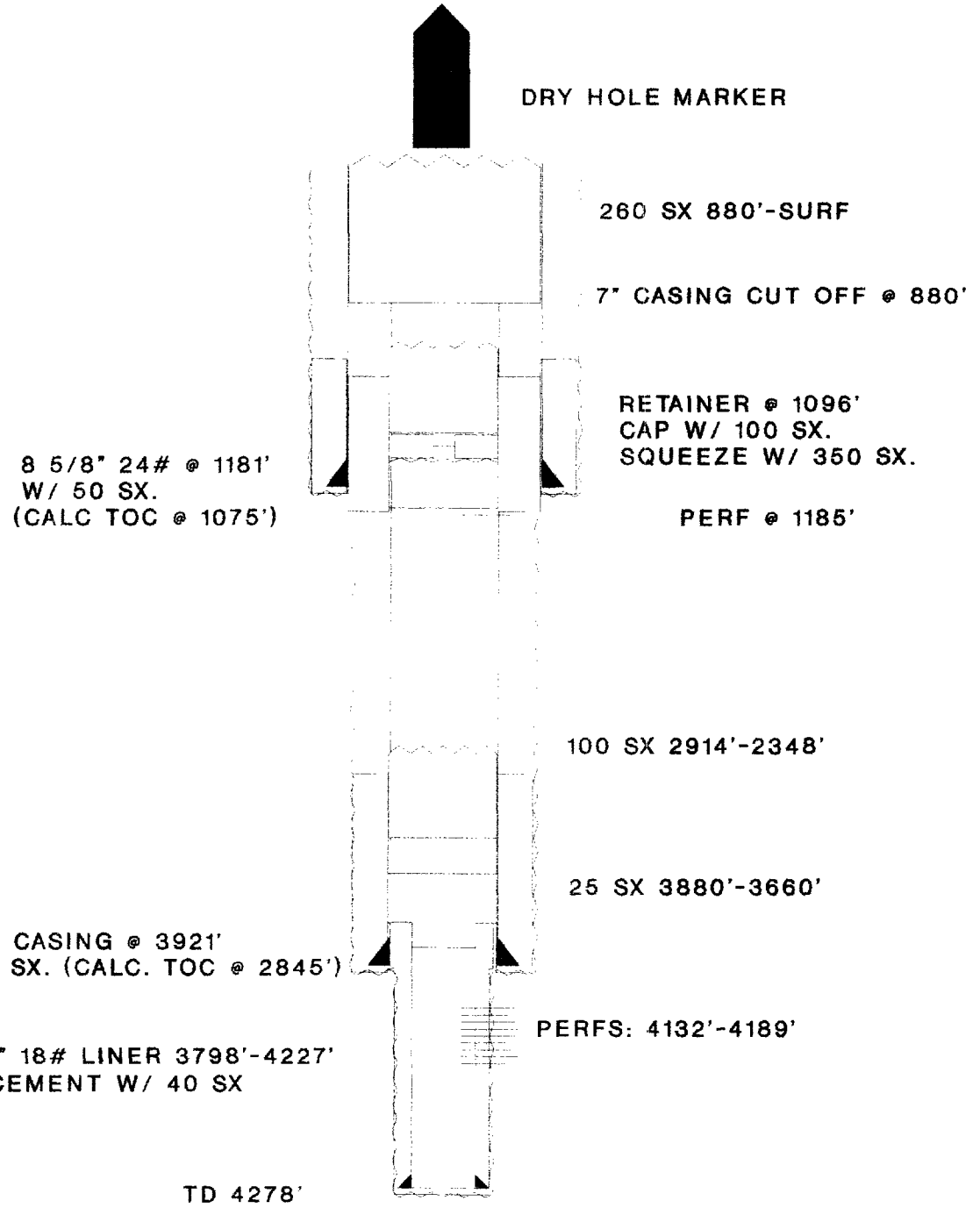
1980' FSL, 1980' FEL, SEC 30, T17S, R33E

CROSS TIMBERS OPERATING CO.
SMGSAU TRACT 1 WELL NO.3



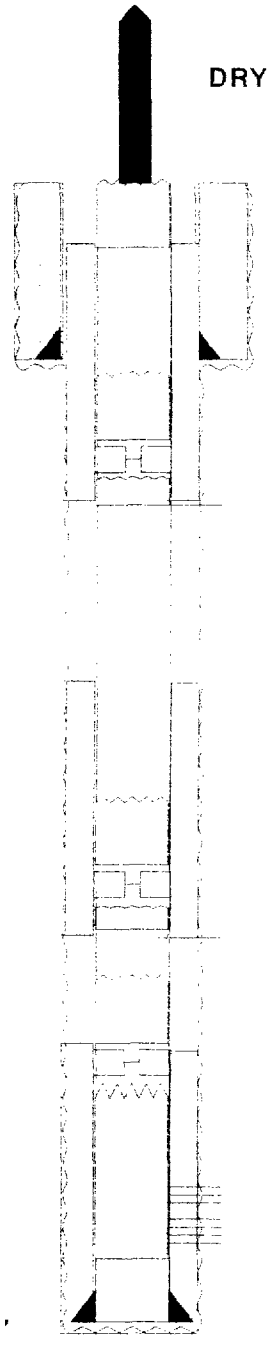
660' FSL, 660' FEL, SEC 30, T17S R33E

CROSS TIMBERS OPERATING CO.
SMGSAU TRACT 2 WELL NO.3



2310' FWL, 1650' FEL, SEC 30, T17S, R33E

CROSS TIMBERS OPERATING CO.
SMGSAU TRACT 4 WELL NO. 7



DRY HOLE MARKER

40 SX PLUG 407'-SURF.

8 5/8" 24# CASING @ 320'
W/ 325 SX
(TOC @ SURFACE)

RETAINER @ 1095'
SQUEEZE W/ 350 SX.
CAP RETAINER W/ 20 SX.
PERF @ 1200'

RETAINER @ 2629'.
CAP RETAINER W/ 20 SX.
SQUEEZE W/ 330 SX.
PERF @ 2750'

RETAINER @ 3900'.
SQUEEZE PERFS W/ 200 SX.
CAP RETAINER W/ 15 SX.

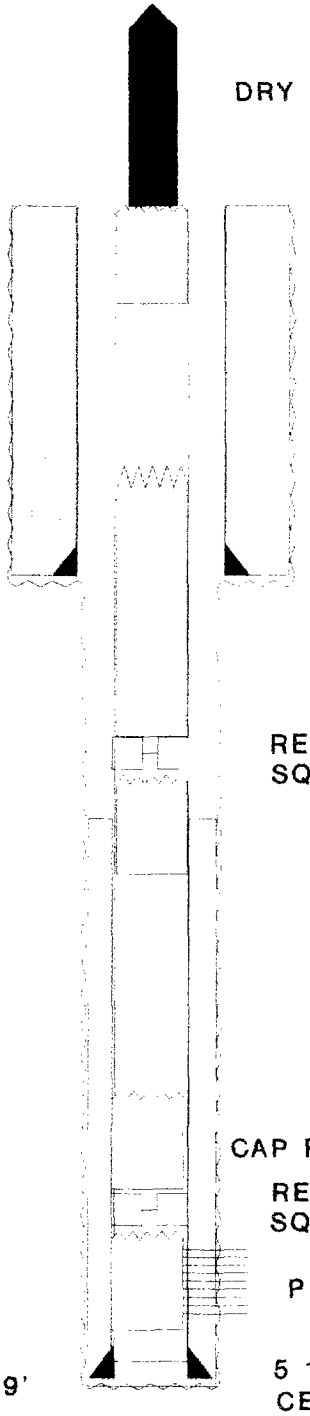
PERFS: 3968'-4472'

TD 4560'

5 1/2" 14# CASING @ 4559'
W/ 250 SX.
CALC. TOC @ 3289'.

660' FNL, 660' FWL, SEC 29, T17S, R33E

CROSS TIMBERS OPERATING CO.
SMGSAU TRACT 4 WELL NO. 9



DRY HOLE MARKER

20 SX 200'-SURFACE

115 SX 1100'-2232'

8 5/8" 24# CASING @ 1300'
W/ 650 SX.
TOC @ SURFACE

RETAINER @ 2232'
SQUEEZE W/ 565 SX

CAP RETAINER W/ 47 SX (3693'-4163')

RETAINER @ 4163'
SQUEEZE W/ 200 SX.

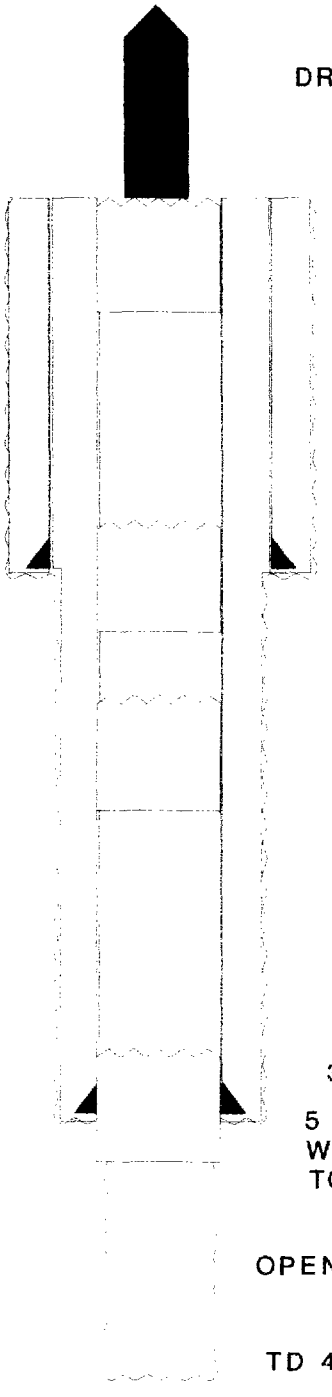
PERFS: 4296'-4326'

TD 4359'

5 1/2" 14# CASING @ 4359'
CEMENT W/ 3350 SX
TOP OF CEMENT @ 2320'

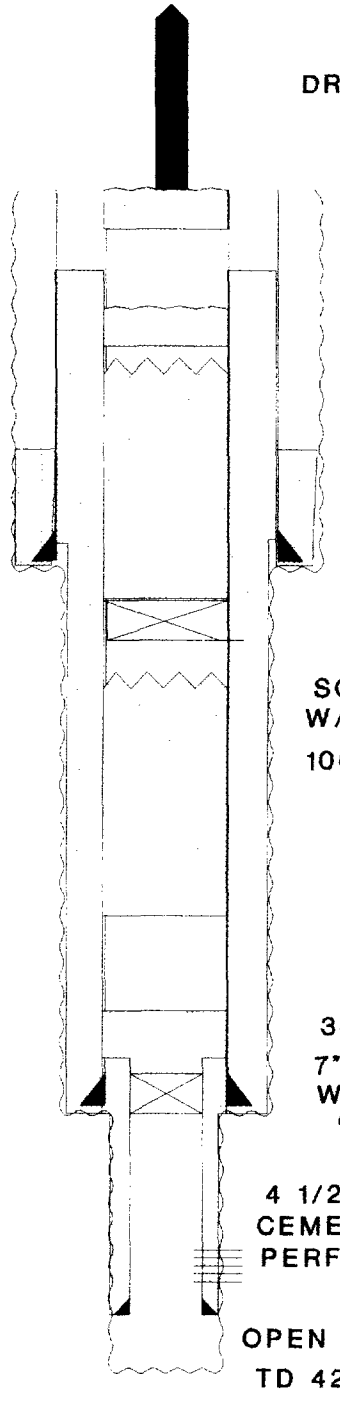
2615' FNL, 25' FWL, SEC 29, T17S, R33E

CROSS TIMBERS OPERATING CO.
SMGSAU TRACT 4 WELL NO. 11



1345' FNL, 100' FWL, SEC 29, T17S, R33E

CROSS TIMBERS OPERATING CO.
SMGSAU TRACT 6 WELL NO. 1



DRY HOLE MARKER

25 SX 122'- SURFACE

25 SX 657'-806'

220 SX 897'-2204'

8 5/8" 32# CASING @ 1265'
W/ 50 SX.
TOC @ 1166' (CALC)

CIBP @ 2204'

SQUEEZE 2379'-2409'
W/ 2975 SX (TOC 355')

100 SX 2420'-3014'

30 SX 3705'-4019'

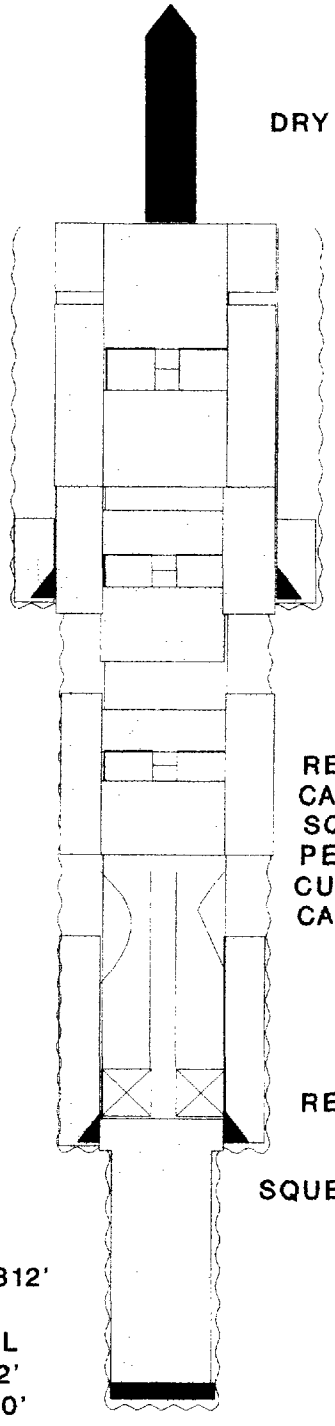
7" 22.5# CASING @ 3960'
W/ 75 SX TOC @ 3030' (CALC)
CIBP @ 4019'

4 1/2" 11.6# LINER 3809'-4253'
CEMENT W/ 200 SX
PERFS: 4168'-4238'

OPEN HOLE: 4253'-4272'
TD 4272'

1980' FSL, 660' FWL, SEC 29, T17S, R33E

CROSS TIMBERS OPERATING CO.
SMGSAU TRACT 6 WELL NO. 2



DRY HOLE MARKER

100 SX 425'-SURFACE

SQUEEZE 208'-240'
W/ 550 SX CIRC 150 SX.

RETAINER @ 425'
SQUEEZE W/ 100 SX

PERF @ 500'

8 5/8" 32# CASING @ 1300'
CMT W/ 25 SX
TOC @ 1250' (CALC)

RETAINER @ 1265'
CAP W/ 25 SX
SQUEEZE W/ 200 SX
PERF @ 1300'

RETAINER @ 2000'
CAP W/ 4 SX.
SQUEEZE W/ 300 SX
PERF @ 2100'
CUT OFF 2 7/8" TBG @ 2110'
CASING COLLAPSED @ 2125'

7" 22# CASING @ 4060'
CMT W/ 200 SX.
TOC @ 2200' (CALC)

RETAINER @ 3995'

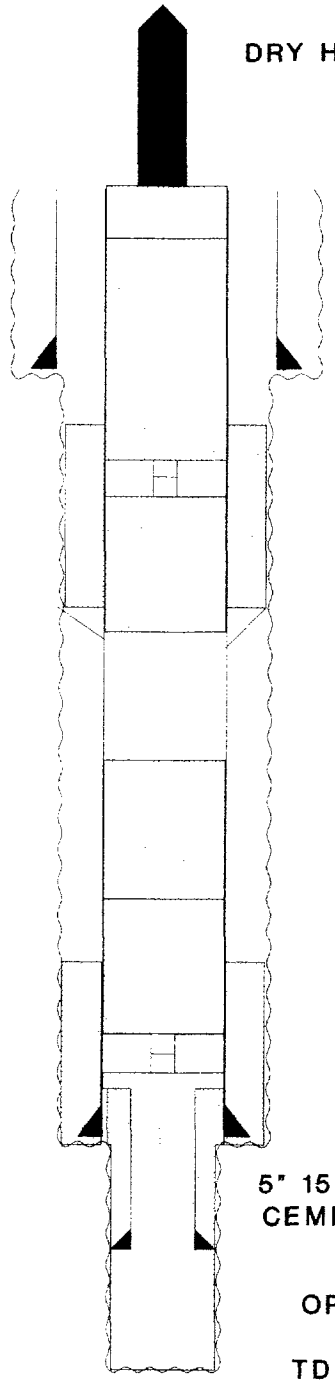
SQUEEZE OPEN HOLE W/ 500 SX

OPEN HOLE 4060'-4312'

PB W/ LEAD WOOL
PBTD 4312'
TD 4320'

660' FSL, 1980' FWL, SEC 29, T17S, R33E

CROSS TIMBERS OIL CO.
SMGSAU TRACT 6 WELL NO. 5



DRY HOLE MARKER

10 SX 30'-SURFACE

400 SX 30'-961'
(PUMPED DOWN CASING)

10" 34# CASING @ 20'
NO CEMENT

RETAINER @ 961'
SQUEEZE W/ 500 SX.

DV TOOL @ 1400'
CEMENT W/ 90 SX.
TOC @ 873'

125 SX 3148'-2043'

RETAINER @ 3809'
CAP W/ 100 SX.
SQUEEZE W/ 1000 SX

7" 23# CASING @ 4008'
CEMENT W/ 150 SX

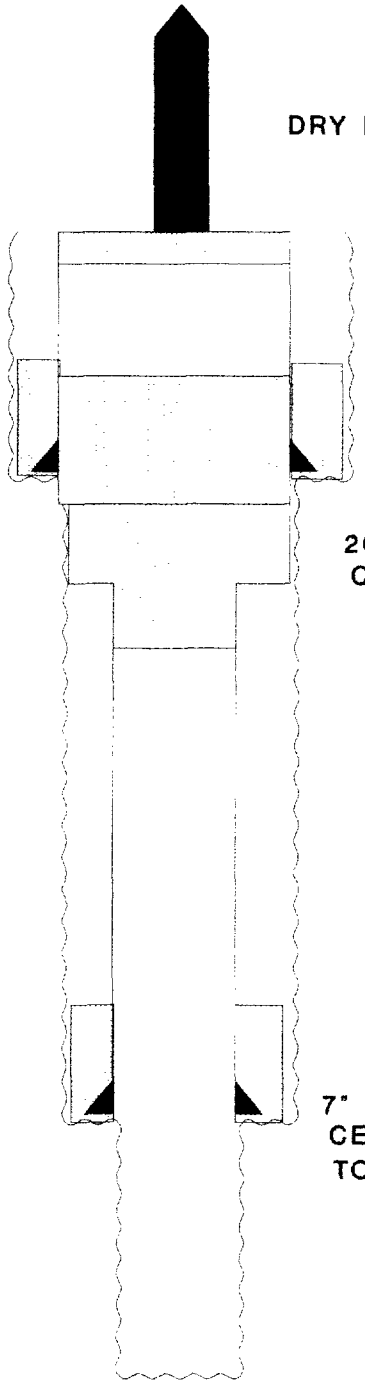
5" 15# LINER 3840'-4189'
CEMENT W/ 236 SX

OPEN HOLE 4189'-4320'

TD 4320'

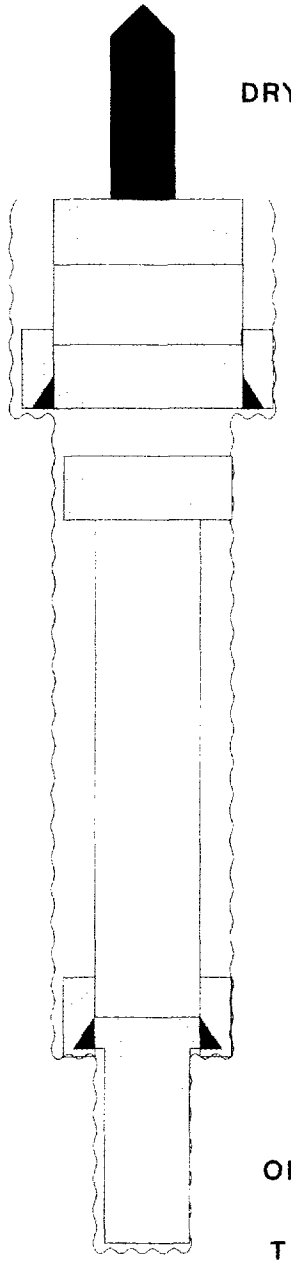
1330' FSL, 1330' FWL, SEC 29, T17S, R33E

BARNEY COCKBURN
STATE #1



660' FNL, 660' FWL, SEC 32, T17S, R33E

R.D. COLLIER
WILLIAMS 1-X



DRY HOLE MARKER

15 SX @ SURFACE

20 SX @ 1320'
8 5/8" 28# CASING @ 1330'
CEMENTED W/ 50 SX
TOC @ 1223' (CALC)

20 SX @ 2100'
CUT OFF 7" CASING @ 2100'

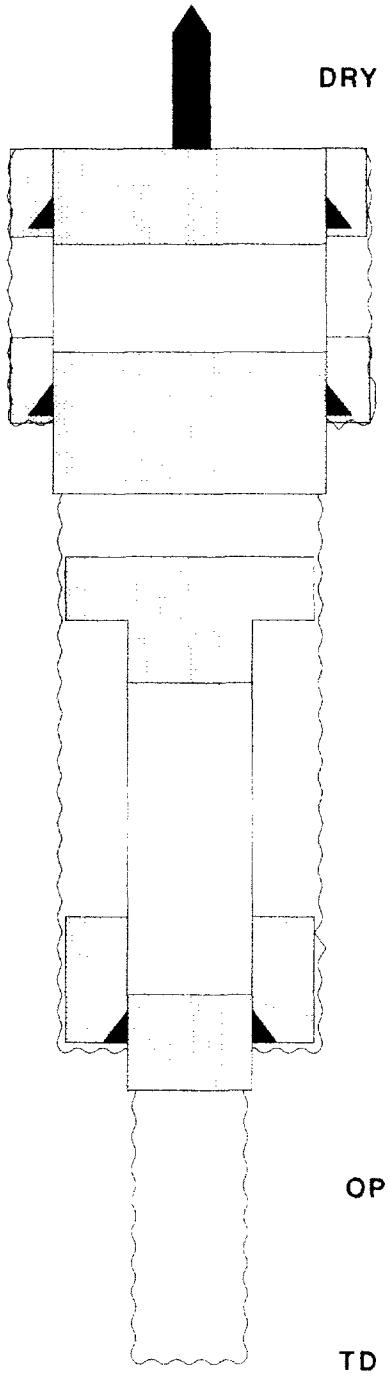
20 SX 3975'-4314'
7" 20# CASING @ 4015'
CEMENT W/ 100 SX
TOC @ 2775' (CALC)

OPEN HOLE 4015'-4314'

TD 4314'

330' FNL, 330' FEL, SEC 31, T17S, R33E

BARNEY COCKBURN
OHIO-JONES #2



DRY HOLE MARKER

100 SX 346'-SURFACE

8 5/8" 24# CASING @ 246'
CEMENT W/ 225 SX.
TOC @ SURFACE

100 SX 1270'-990'

8 5/8" 32# CASING @ 1175'
CEMENT W/ 50 SX
TOC @ 1068' (CALC)

100 SX 2000'-2453'
CUT OFF 7" CASING @ 2323'

100 SX @ 3887'-3987'
7" 20# CASING @ 3937'
CEMENT W/ 100 SX
TOC @ 2697' (CALC)

OPEN HOLE 3937'-4303'

TD 4303'

1980' FNL, 1980'FEL, SEC 30, T17S, R33E

REC'D. / MIDLAND

JAN 27 1992

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, Kathi Bearden

of the Hobbs Daily News-Sun, a daily 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

One weeks.

Beginning with the issue dated

Jan. 24, 1992

and ending with the issue dated

Jan. 24, 1992

Kathi Bearden

General Manager

Sworn and subscribed to before me this 24th day of January, 1992

Notary Public.

My Commission expires

Aug. 5, 1995

(Seal)

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

LEGAL NOTICE
January 24, 1992

Cross Timbers Operating Company, P.O. Box 50847, Midland, Texas 79710, (915)682-8873, is hereby giving notice of our intent to inject produced water and/or fresh water into the SEMGSAU Tract 6 Well No. 9 located 450' FWL & 1,920' FSL of Section 29, T-17-S, R-33-E for secondary recovery purposes. Water is to be injected into the Grayburg and San Andres formations from 4,156' to 4,281' at an expected rate of 200 BWPD and 1400 psig pressure.

Interested persons objecting to this application must file a request for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501, within 15 days of this notice.

Cross Timbers Operating Company

OIL CONSER... ...N DIVISION
RE... ...ED
'92 FE... 27 AM 9 26

February 25, 1992

Mr. Ben Stone
NMOCD
P. O. Box 2088
Sante Fe, New Mexico 87504

RE: Application for Fluid Injection
SMGSAU Tract 6 Well No. 9
Section 29, T17S, R33E, NMPM
Lea County, New Mexico

Dear Mr. Stone:

Oxy USA, Inc. has been notified of Cross Timbers Operating Company's intent to inject into the referenced well.

A copy of the certified mail receipt is attached as you requested.

If you require any additional information, please let me know.

Sincerely,

CROSS TIMBERS OPERATING COMPANY

Gary L. Markestad
Operations Engineer

GLM/kg
Attachment

cc: Well File

3000 North Garfield Suite 250 P.O. Box 50847, Midland, Texas 79...
(915) 682-8873 Fax (915) 687-0862

P 652 035 062

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	Richard Foppiana, Oxy USA, Inc.	
Street and No.	Box 50250	
P.O., State and ZIP Code	Midland, Texas 79710	
Postage		$ .52
Certified Fee		1.00
Special Delivery Fee		
Restricted Delivery Fee		
Return Receipt Showing to whom and Date Delivered		1.00
Return receipt showing to whom, Date, and Address of Delivery		
TOTAL Postage and Fees		$ 2.52
Postmark or Date	SEMBSAU #609 2/24/92	

PS Form 3800, Feb. 1982 ★ U.S.G.P.O. 1983-403-517