



Cross Timbers Operating Company

RECEIVED
ADVISORY
DIVISION
MAR 8 25

March 5, 1992

Mr. Michael Stogner
NMOCD
P. O. Box 2088
Sante Fe, New Mexico 87504

RE: Application for Authorization to Inject
SMGSAU Tract 9 Well #7
Unit H, Section 32, T17S, R33E
Lea County, New Mexico

Dear Mr. Stogner:

Enclosed is Cross Timbers Operating Company's Application for Authorization to Inject into the SMGSAU Tract 9 Well #7 along with supporting data.

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

Sincerely,

CROSS TIMBERS OPERATING COMPANY

Gary L. Markestad
Operations Engineer

GLM/kg
Enclosures

cc: GLM File
Well File

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ 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? ☒ 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: 3/2/92
- * 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. Item X: Log submitted with completion forms.

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.

The following offset operators have been notified of Cross Timbers Operating Company's intent to inject into the SMGSAU Tract 9 Well #7 by a copy of the application sent by certified mail:

Oxy USA, Inc.
Box 50250
Midland, Texas 79710

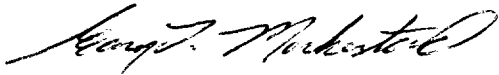
Phillips Petroleum Company
4001 Penbrook
Odessa, Texas 79762

Pennzoil Exploration and Production Co.
Drawer 1828
Midland, Texas 79702-1828

L. B. Simmons Energy
5847 San Felipe
Suite 1890
Houston, Texas 77057

Certified:

CROSS TIMBERS OPERATING COMPANY

A handwritten signature in black ink, appearing to read "Gary L. Markestad", with a stylized flourish at the end.

Gary L. Markestad
Operations Engineer

P 804 295 018


Certified Mail Receipt
 No Insurance Coverage Provided
 Do not use for International Mail
 (See Reverse)

Sent to	
Phillips Petroleum Company	
Street & No	
4001 Penbrook	
P.O. State & ZIP Code	
Odessa, Texas 79762	
Postage	\$.98
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	1.00
Return Receipt Showing to Whom, Date, & Address of Delivery	
TOTAL Postage & Fees	\$ 2.98
Postmark or Date	
3/5/92	

PS Form 3800, June 1990

Fold at line over top of envelope to the right of the return address.

CERTIFIED

P 804 295 018

MAIL

P 804 295 019


Certified Mail Receipt
 No Insurance Coverage Provided
 Do not use for International Mail
 (See Reverse)

Sent to	
Oxy USA, Inc.	
Street & No	
Box 50250	
P.O. State & ZIP Code	
Midland, Texas 79710	
Postage	\$.98
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	1.00
Return Receipt Showing to Whom, Date, & Address of Delivery	
TOTAL Postage & Fees	\$ 2.98
Postmark or Date	
3/5/92	

PS Form 3800, June 1990

Fold at line over top of envelope to the right of the return address.

CERTIFIED

P 804 295 019

MAIL

P 804 295 017


Certified Mail Receipt
 No Insurance Coverage Provided
 Do not use for International Mail
 (See Reverse)

Sent to	
L. B. Simmons Energy	
Street & No	
5847 San Felipe, Ste. 1890	
P.O. State & ZIP Code	
Houston, Texas 77057	
Postage	\$.98
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	1.00
Return Receipt Showing to Whom, Date, & Address of Delivery	
TOTAL Postage & Fees	\$ 2.98
Postmark or Date	
3/5/92	

PS Form 3800, June 1990

Fold at line over top of envelope to the right of the return address.

CERTIFIED

P 804 295 017

MAIL

P 652 035 064

RECEIPT FOR CERTIFIED MAILNO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	
Pennzoil Exploration & Prod Co	
Street and No	
Drawer 1828	
P.O. State and ZIP Code	
Midland, Texas 79702-1828	
Postage	\$.98
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	\$ 2.98
Postmark or Date	
3/5/92	

* U.S.G.P.O. 1983-403-517

PS Form 3800, Feb. 1982

CERTIFIED

P 652 035 064

MAIL

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, Kathi Bearden

REC'D. / MIDLAND

MAR 11 1992

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

Mar. 6, 1992
and ending with the issue dated

Mar. 6, 1992

Kathi Bearden
General Manager

Sworn and subscribed to before

me this 9 day of

March, 1992

Paula Pannun
Notary Public.

My Commission expires _____

Aug. 5, 1995
(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
March 6, 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 9 Well
No. 7 located 2310' FNL &
990 FEL of Section 32,
T-17-S, R-33-E for second-
ary recovery purposes.
Water is to be injected into
the Grayburg and San
Andres formations from
4,316' to 4,457' at an
expected rate of 200 BWPD
and 1400 psig pressure. In-
terested 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.

ATTACHMENT

ITEM VII OPERATION DATA

- 1) Proposed average daily rate -- 200 BWPB.
Proposed maximum daily rate -- 400 BWPB @ 1400 psig.
- 2) Closed system.
- 3) Expected average injection pressure - 1000 psig.
Maximum injection pressure - 1500 psig.
- 4) Injection water is primarily produced water with some fresh water to augment the injection volume. The fresh water is being supplied to the SEMGSAU by Conoco, Inc. and is used extensively in this area for secondary recovery purposes.
- 5) Injection is not for disposal purposes.

ITEM VIII GEOLOGICAL DATA

Formation Name: Grayburg
Lithology: Sandstone
Thickness: 640' gross, 52' net
Depth: 3,884'

Sources of Drinking Water: None
Listed in State Engineer's Report

ITEM IX

- 1) Additional stimulation is not planned at this time.

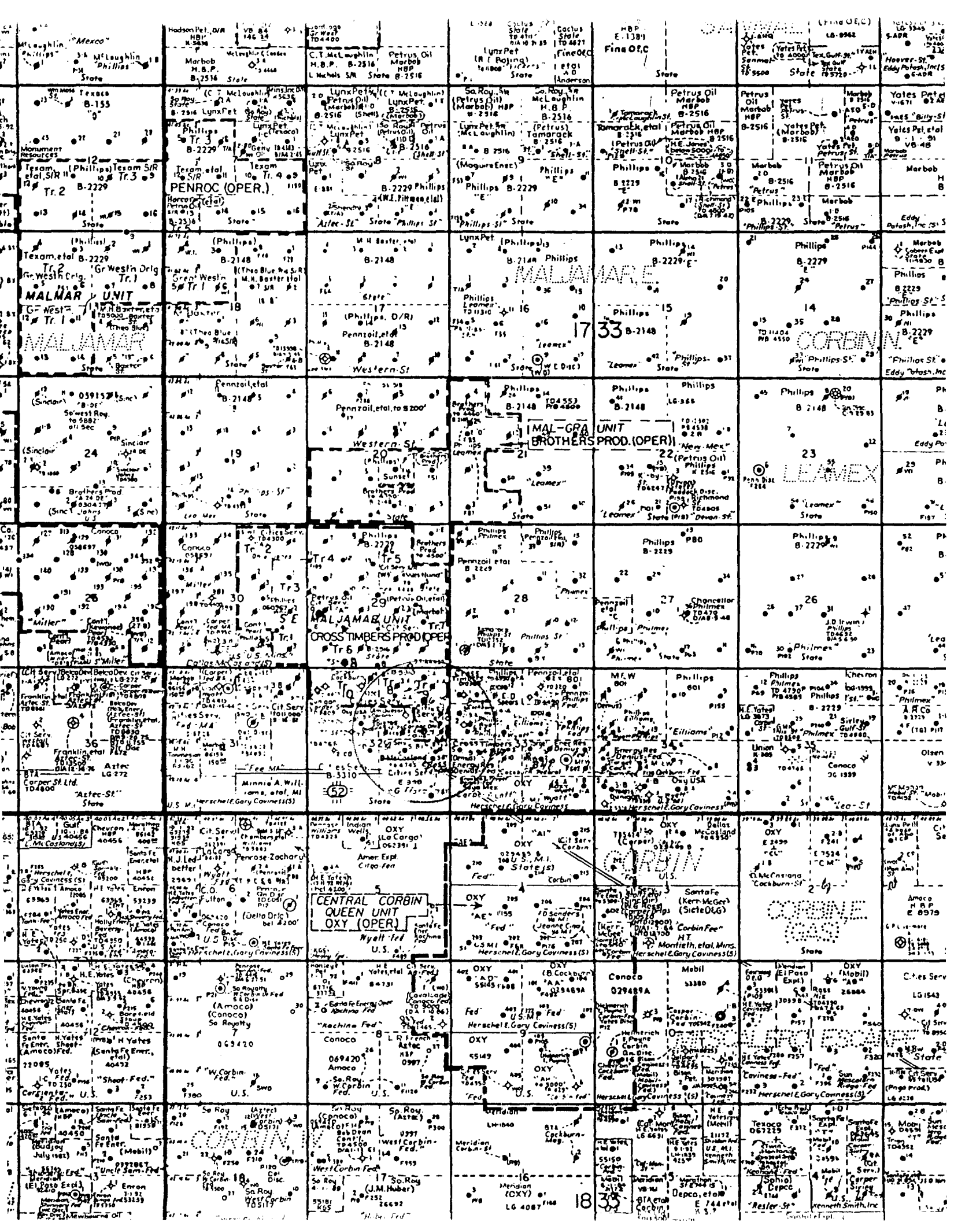
ITEM XI CHEMICAL ANALYSIS OF FRESH WATER

No fresh water wells within 1 mile of proposed injection well.

ATTACHMENT
(cont'd)

ITEM XII

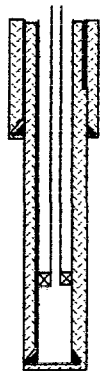
All available data indicates that the injection interval is not in hydraulic communication with any sources of fresh water in this area.



INJECTION WELL DATA SHEET

CROSS TIMBERS OPERATING COMPANY SMGSAU TRACT 9
 OPERATOR LEASE
 7 2310' FNL, 990' FEL SEC 32, T17S, R33E
 WELL NO. FOOTAGE LOCATION SEC/TWP/RGE

SCHEMATIC



TOC SURFACE (CIRCULATED)
(BOTH STRINGS)

8 5/8" @ 338' CMT'D W/ 200 SX.

2 3/8" PLASTIC COATED TBG
SET @ 4250' W/ BAKER LOK-SET
(OR EQUIV.) PKR

PERFS 4316'-4457'

5 1/2" 15.5# & 17# @ 4800'
CMT'D W/ 1450 SX.

TABULAR DATA

SURFACE CASING

SIZE	8 5/8"	CEMENTED WITH 200 SX.
TOC	SURFACE	DETERMINED BY CIRCULATION
HOLE SIZE	12 1/4"	

INTERMEDIATE CASING

SIZE		CEMENTED WITH
TOC		DETERMINED BY
HOLE SIZE		

LONG STRING 5 1/2"

TOC	SURFACE	CEMENTED WITH 1450 SX.
HOLE SIZE	7 7/8"	DETERMINED BY CIRCULATION
TOTAL DEPTH	4600'	

INJECTION INTERVAL

4316 FEET TO 4457 FEET

TUBING SIZE 2 3/8" LINED WITH PLASTIC SET IN A
BAKER LOK-SET (OR EQUIV.) PACKER AT 4250'.

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
 NO.
5. GIVE THE DEPTH TO AND NAME OF ANY OVERLYING AND/OR UNDERLYING OIL OR GAS
 ZONES (POOLS) IN THIS AREA.
 CORBIN (ABO) 8650', CORBIN (QUEEN) 3700'.

WELLS WITHIN SHGSAU 907 AREA OF REVIEW

OPERATOR	:CITIES SERVICE(ORIG CARPER DRLG CO)	CITIES SERVICE	CITIES SERVICE	BARNEY COCKBURN
WELL NAME	:OHIO STATE "A" #6(OHIO-STATE #6)	STATE CB #2	STATE "CB" #5	WYATT-PHILLIPS #2
LOCATION	:2310 PNL & 330' FEL	2310' PNL & 1700' FEL	1650' PNL & 1650' PEL	1980' PNL & 460' PNL
WELL TYPE	:OIL	SEC 32, T17S, R33E	SEC 32, T17S, R33E	SEC 33, T17S, R33E
STATUS	:PLUGGED	OIL	DRY HOLE	DRY HOLE
SURFACE CASING	:8-5/8" @ 1,368' W/50 SX.	PLUGGED 11/18/83.	PLUGGED	PLUGGED
TOP OF CEMENT	:1240'	13-3/8" @ 331' W/250 SX.	13" 42# @ 205'.	8-5/8" @ 1,430' W/50 SX.
INTERMEDIATE CASING	:	SURFACE		
TOP OF CEMENT	:	8 5/8" @ 2897' W/ 500 SX.	10-3/4" 34# @ 856'.	
PRODUCTION CASING	: 7" @ 3,735' W/100 SX.	1260'		
TOP OF CEMENT	:2660'	4-1/2" @ 8,799' W/850 SX.	7" 20# @ 3,912'W/ 100 SX.	7" @ 3,649' W/310 SX.
LINER	:	5515'	2916'	
DATE DRILLED	:11/53	9/65	7/49	11/51
TOTAL DEPTH	:3,769'	8,780'	4500'	3,765'
COMPLETION INTERVAL	:3,735'-3,769' (OH)	8,750'-58' (PERFS)		3,649'-3,765'
				NO RECORD OF WELL @ NMCD DIST OFC.
PLUGGING PROCEDURE	CIBP @ 3700'	CIBP @ 8630' W/ 5 SX.	CIBP @ 3475'.	
	5 SX. @ 3700'-3660'	25 SX. 6234"-5985'	PERF @ 1340'.	
	CUT OFF 7" @ 1750'	25 SX. 3993'-3743'	RETAINER @ 1305'.	
	50 SX 1800'-1650'	SHOT CSG OFF @ 3,068'.	SOZ W/ 500 SX.	
	50 SX 1425'-1300'	50 SX. 3219'-3019'	PERF @ 1150'.	
	10 SX 30'-0'	75 SX. 3019'-2719'	PHP 500 SX DWN CSG & DISPL TO 1050'	
		CUT OFF 8 5/8" @ 386'	PERF @ 250'.	
		120 SX. 443'-143'	PHP 375 SX DWN CSG.	
		40 SX. 56'-0'	CIRC 5 SX TO SURF.	

WELLS WITHIN SMGSAU 907 AREA OF REVIEW

OPERATOR	CROSS TIMBERS OPERATING COMPANY	CROSS TIMBERS OPERATING CO.	CROSS TIMBERS OPERATING COMPANY	CROSS TIMBERS OPERATING COMPANY
WELL NAME	:STATE "BY" #3	STATE "BY" #5	STATE "BY" #6	SMGSAU #707
LOCATION	:1980' FSL & 660' PEL	2310' FSL, 1650' PEL	2310' FSL, 430' PEL	100' FSL & 1430' PEL
	SEC 32, T-17-S, R-33-E	SEC 32, T17S, R33E	SEC 32, T-17-S, R-33-E	SEC 29, T17S, R33E
WELL TYPE	:OIL	OIL	OIL	DRY HOLE
STATUS	:ACTIVE	SI	ACTIVE	PLUGGED
SURFACE CASING	:8 5/8" 24# @ 1370' W/ 50 SX.	8 5/8" 24# @ 1384' W/ 50 SX	8 5/8" @ 325' W/ 300 SX.	8-5/8" 24# @ 810' W/350 SX.
TOP OF CEMENT	:1290'	1254' (CALC)	SURFACE	SURFACE
INTERMEDIATE CASING	:			
TOP OF CEMENT	:			
PRODUCTION CASING	:7" 20# @ 3813' W/ 100 SX.	7" 20# @ 3797' W/ 100 SX.	4 /12" @ 4744' W/ 250 SX.	5-1/2" 14# @ 4,429' W/435 SX.
TOP OF CEMENT	:2570'	3364' (CALC)	3780'	1740'
LINER	:	5 1/2" 14# 3700'-4701' W/ 100 SX		
DATE DRILLED	:12/52	11/53 (DEEPENED 11/61)	11/61	11/72
TOTAL DEPTH	:4715' (PB TO 3940')	4701'	4748'	4,430'
COMPLETION INTERVAL	:3813'-3940' (OPEN HOLE)	4568'-4680'	4602'-4645'	4,272'-4,284' (PERF)

PLUGGING PROCEDURE

WELLS WITHIN SHGSAU 907 AREA OF REVIEW

OPERATOR	CROSS TIMBERS OPERATING COMPANY	CROSS TIMBERS OPERATING COMPANY	CROSS TIMBERS OPERATING COMPANY	CROSS TIMBERS OPERATING COMPANY
WELL NAME	:SHGSAU #803	SHGSAU #902	SHGSAU #904	SHGSAU #905
LOCATION	:660' FML & 1980' FEL SEC 32, T17S, R33E	330' FML, 990' FEL SEC 32, T17S, R33E	660' FML & 660' FEL SEC 32, T17S, R33E	1650' FML & 330' FEL SEC 32, T17S, R33E
WELL TYPE	:INJECTION	INJECTION	OIL	OIL
STATUS	:PLUGGED	ACTIVE	PLUGGED	ACTIVE
SURFACE CASING	:8-5/8" 32# @ 1,280' W/50 SX.	8-5/8" 24# @ 1275' W/50SX	9-5/8" @ 1,300'.	8-5/8" 24# @ 1,346' W/50 SX.
TOP OF CEMENT	:1200'	1100' (CALC)		1260'
INTERMEDIATE CASING :				
TOP OF CEMENT :			7" @ 3,943'.	7" 20# @ 3,523' W/50 SX.
PRODUCTION CASING	:7" 20# @ 4,045' W/102 SX.	5-1/2" 14# @ 4050' W/100SX		2900'
TOP OF CEMENT	:2780'	3400' (CALC)		4-1/2" 9.5# @ 4,474' W/50 SX.
LINER :			7/46	9/50
DATE DRILLED	:5/44	2/51 (DEEPEMED 2/91)	4,306' (PBTD 4,266')	4,476'
TOTAL DEPTH	:4,325' (PBTD 4,313')	4500'	3,943'-4,266' (OH)	4,298'-4,407' (PERF)
COMPLETION INTERVAL	:4,045'-4,313' (OH)	OH 4,050'-4500'		
PLUGGING PROCEDURE	RETAINER @ 3,947'. SQZ W/150 SX. 37 SX ON RET (3,747'-3,947').		CIBP @ 3,891' W/9 SX CMT (3,846'- 3,891'). PULLED 2,215' 7" CSG. 45 SX 2,265'-2,165'. 45 SX 1,350'-1,250'. 15 SX 30' SURF.	
	PERF 2,800'. SET RET @ 2,699'. SQZ W/500 SX. 37SX ON RET (2,499'-2,699').			
	PERF 1,200'. PHP 250 SX DWN CSG. DISPLACE TO 100'.			
	15 SX 50'-SURF.			

WELLS WITHIN SMGSNU 907 AREA OF REVIEW

OPERATOR	CROSS TIMBERS OPERATING COMPANY	CROSS TIMBERS OPERATING COMPANY	H. R. DENIUS	H. R. DENIUS
WELL NAME	:U.S. MINERALS #1	U.S. MINERALS #2	COCKBURN-FEDERAL #5	COCKBURN-FEDERAL #9
LOCATION	:990' FWL, 330'FWL	990' FWL, 990'FWL	2310' FSL, 330' FWL	2264' FSL, 990' FWL
WELL TYPE	:OIL	SEC 33, T-17-S, R-33-E	SEC 33, T17S, R33E	SEC 33, T17S, R33E
STATUS	:ACTIVE	ACTIVE	OIL	OIL
SURFACE CASING	:7" 20# @ 1427' W/ 50 SX.	8 5/8" 28# @ 1305' W/ 50 SX.	P&A	P&A
TOP OF CEMENT	:1365'	1225'	8 5/8" @ 226' W/75SX	8-5/8" @ 226' W/75SX
INTERMEDIATE CASING :			31' (CALC)	31' (CALC)
TOP OF CEMENT :				
PRODUCTION CASING	:5 1/2" 14# @ 4278' W/ 100 SX.	7" 20# @ 4104' W/ 100 SX.	5 1/2" 14# @ 3880' W/ 100 SX.	5-1/2" @ 3845' W/300SX
TOP OF CEMENT	:3770'	2860'	3372' (CALC)	2321' (CALC)
LINER :				
DATE DRILLED	:9/53	7/53	11/53	2/60
TOTAL DEPTH	:4293'	4302'	3880'	3854'
COMPLETION INTERVAL	:4278'-4293' (OPEN HOLE)	4104'-4302' (OPEN HOLE)	3840'-3862'	3806'-28'

PLUGGING PROCEDURE

100' PLUG @ 3865'-3765'	100' PLUG 3460'-3360'
CUT OFF 5 1/2" @ 2396'	CUT OFF 5 1/2" @ 2110'
100' PLUG @ 2400'-2300'	100' PLUG 2110'-2020'
100' PLUG @ 1430'-1330'	100' PLUG 1370'-1270'
CUT OFF 8 5/8" @ 454'	10' SURFACE PLUG
60' PLUG @ 270'-210'	P&A 6/16/61
15' SURF PLUG	
P&A 6/16/61	

WELLS WITHIN SMGSAU 907 AREA OF REVIEW

OPERATOR	:JAMES P. DUNIGAN	OXY USA, INC.	OXY USA, INC.	OXY USA, INC.
WELL NAME	:COCKBURN #1	COCKBURN STATE "A" #4	COCKBURN "A" STATE #5	GIFFORD STATE "A" #1
LOCATION	:990' FWL & 430' FWL	1980' FWL & 990' FWL	1980' FWL, 1980' FWL	330' FWL & 2310' FSL
WELL TYPE	SEC 33, T17S, R33E	SEC 32, T-17-S, R-33-E	SEC 32, T17S, R33E	SEC 32, T-17-S, R-33-E
STATUS	:DRY HOLE	OIL	OIL	OIL
SURFACE CASING	:PLUGGED	ACTIVE	ACTIVE	ACTIVE
TOP OF CEMENT	:13-3/8" @ 308' W/340 SX.	13 3/8" @ 334' W/ 320 SX.	13 3/8" @ 456' W/ 475 SX	11 3/4" 28# @ 314' W/ 225 SX.
INTERMEDIATE CASING	:SURFACE	SURFACE	SURFACE (CIRC)	SURFACE
TOP OF CEMENT	:8-5/8" @ 4,557' W/1950 SX.	8 5/8" @2899' W/ 500 SX.	8 5/8" @2899' W/ 500 SX.	8 5/8" 24# & 32# @ 2915' W/ 250 SX.
PRODUCTION CASING	:1400'	2100'	2100'	2180'
TOP OF CEMENT	:NONE	4 1/2" @ 8819' W/700 SX.	9 5/8" @ 5270' W/ 1800 SX	4 1/2" 10.5# & 11.6# @ 8829' W/ 1500 SX.
LINEAR	:	6085'	100' (TEMP SURVEY)	3030'
DATE DRILLED	:4/61	3/66	NONE	9/61
TOTAL DEPTH	:8,940'	8820'	6/76(RE-ENTERED 5/88)	8829'
COMPLETION INTERVAL	:NONE	8632'-8695'	13705	8561'-8586' & 8594'-8644' (PERF)
			4362'-4447'	

PLUGGING PROCEDURE CUT OFF 8 5/8" @ 1400'

30 SX. @ 1400'

30 SX @ 308'

10 SX. @ SURFACE

50 SX 13120'-13220'

125 SX 11750'-11790'

50 SX 11100'-11200'

50 SX 9630'-9730'

50 SX 8270'-8370'

WELLS WITHIN SMGSAU 907 AREA OF REVIEW

OPERATOR	:OXY USA, INC.	OXY USA, INC.	PHILLIPS PETROLEUM COMPANY
WELL NAME	:STATE "CB" #1	STATE CD #1	WILLIAMS #6
LOCATION	:2310' FWL, 2310' FWL	2310' FWL, 2310' FWL	2311' FWL & 659' FWL
	SEC 32, T-17-S, R-33-E	SEC 32, T17S, R33E	SEC 33, T17S, R33E
WELL TYPE	:OIL	OIL	OIL
STATUS	:ACTIVE	ACTIVE	ACTIVE ARO
SURFACE CASING	:8 5/8" @ 329' W/ 300 SX.	8 5/8" 24# @ 319' W/ 320 SX.	13-3/8" @ 320' W/350 SX.
TOP OF CEMENT	:SURFACE	SURF (CIRC)	SURFACE
INTERMEDIATE CASING :			8-5/8" @ 4,589' W/700 SX.
TOP OF CEMENT :			2530
PRODUCTION CASING :	4 1/2" @ 4810' W/ 250 SX.	4 1/2" 10.5# @ 4954' W/ 250 SX.	5-1/2" @ 8,788' W/361 SX.
TOP OF CEMENT	:3845'	3930' (CALC)	6950
LINER :			
DATE DRILLED	:12/61	1/62	7/61
TOTAL DEPTH	:4810	4955'	8,788'
COMPLETION INTERVAL	:4345'-4492' (PERP)	4512'-4604'	8,562'-8,734' (PERFS)

PLUGGING PROCEDURE

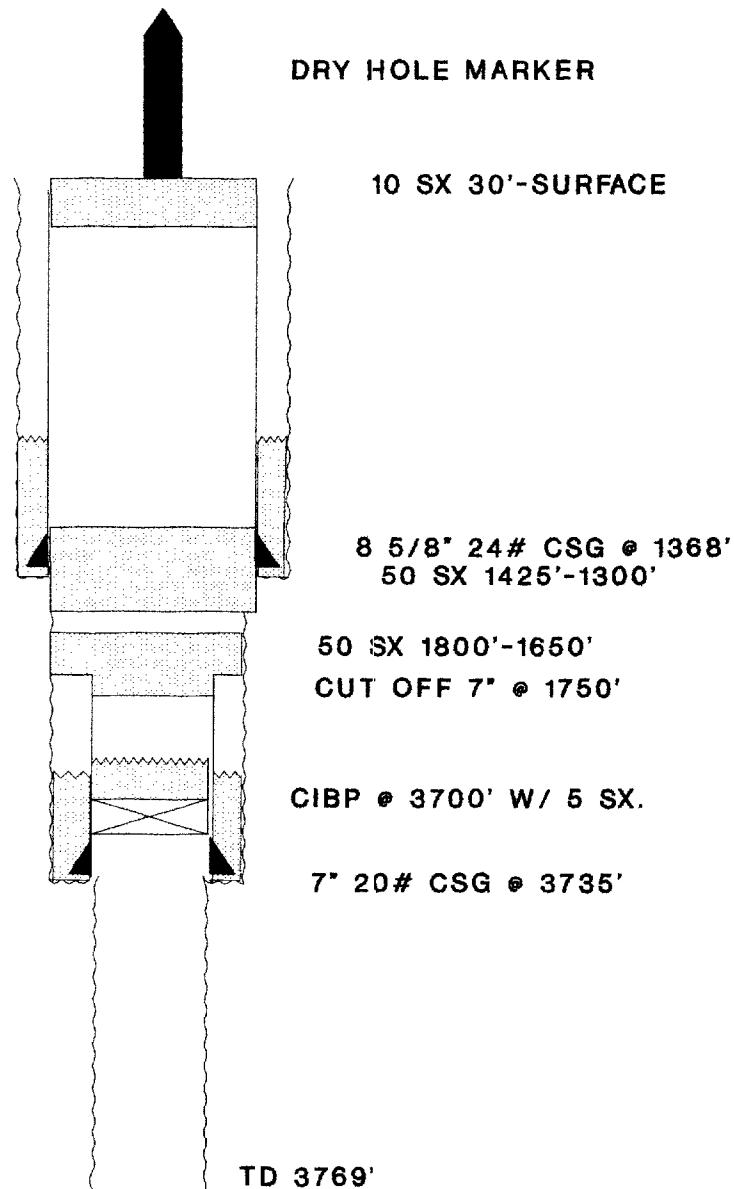
WELLS WITHIN SMGSNU 907 AREA OF REVIEW

OPERATOR	:PHILLIPS PETROLEUM CO.	PHILLIPS PETROLEUM CO.	L.B. SIMMONS ENERGY
WELL NAME	:WYATT "A" FEDERAL #3	WYATT "A" FEDERAL #13	DEMIUS FEDERAL #6
LOCATION	:1650' FWL & 330' FWL	1980' FWL, 660' FWL	2310' PSL, 990' FWL
WELL TYPE	SEC 33, T-17-S, R-33-E	SEC 33, T-17-S, R-33-E	SEC 33, T17S, R33E
STATUS	:OIL	OIL	OIL
SURFACE CASING	:ACTIVE	ACTIVE	ACTIVE
TOP OF CEMENT	:7" @ 1318' W/ 50 SX.	10" 34# @ 20' W/ 5 SX.	13-3/8" @ 315' W/325SX
INTERMEDIATE CASING :	:1260	SURFACE	SURF
TOP OF CEMENT :			8-5/8" @ 2962' W/1050SX
PRODUCTION CASING	:5 1/2" @ 3718' W/ 50 SX.	7" 20# @ 3995' W/ 100 SX.	1283' (CALC)
TOP OF CEMENT	:3465	3625	4-1/2" @ 8809' W/1610SX
LINER	:4" 11.43# @ 4430' W/ 400 SX.		3814' (CALC)
DATE DRILLED	:6/52	8/47	1/61
TOTAL DEPTH	:4432'	4582'	8809'
COMPLETION INTERVAL	:4378'-4357, 4320'-4323' (PERF)	3995'-4582' (OPEN HOLE, PLUGGED)	8605'-60'
		3695'-3720' (PERFS)	

PLUGGING PROCEDURE

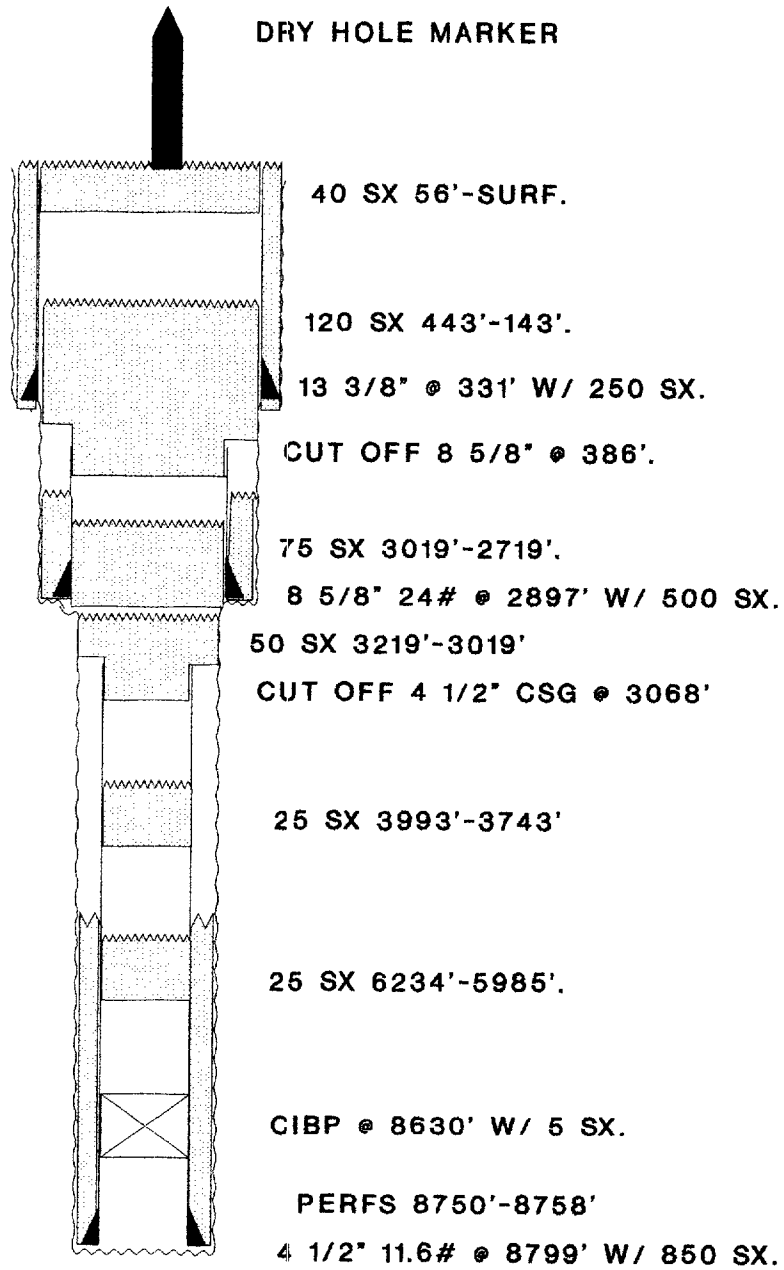
**CITIES SERVICE
OHIO STATE "A" #6**

(P&A 8/70)



2310' FNL, 330' FEL, SEC 32, T17S, R33E

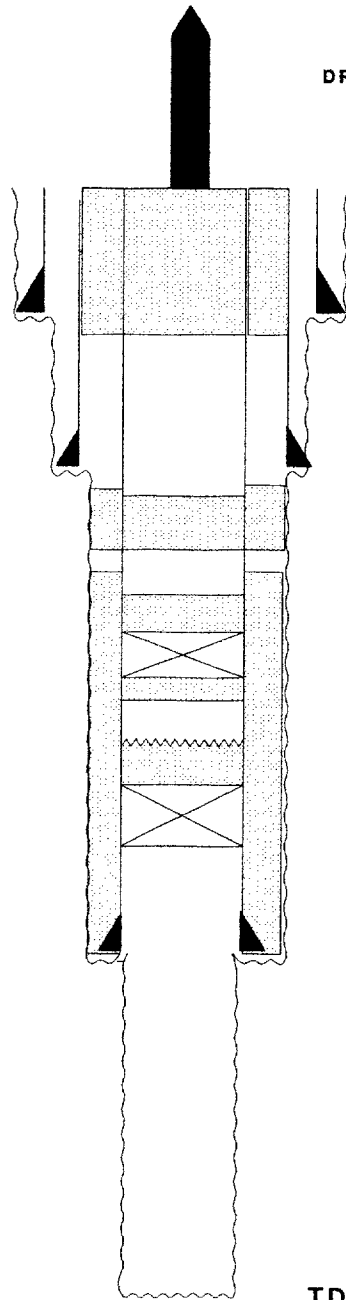
**CITIES SERVICE
STATE "CB" #2**



2310' FNL, 1700' FEL, SEC 32, T17S, R33E

**CITIES SERVICE
STATE "CB" #5**

(P&A 2/80)



DRY HOLE MARKER

13 3/8" • 205' W/ 0 SX.
PERF • 250'. SQZ W/ 375 SX.
CIRC. 5 SX TO SURF.

10 3/4" 34# CSG • 856' W/ 0 SX.
TOC 926'

PERF • 1150'. SQZ W/ 500 SX.
DISPLACE TO 1050'
TOC 1250'

RETAINER • 1305'. SQZ W/ 500 SX.

CIBP • 3475' W/ 7 SX.

SQZ • 3278' W/ 15 SX.
PERF 3665'-3700'

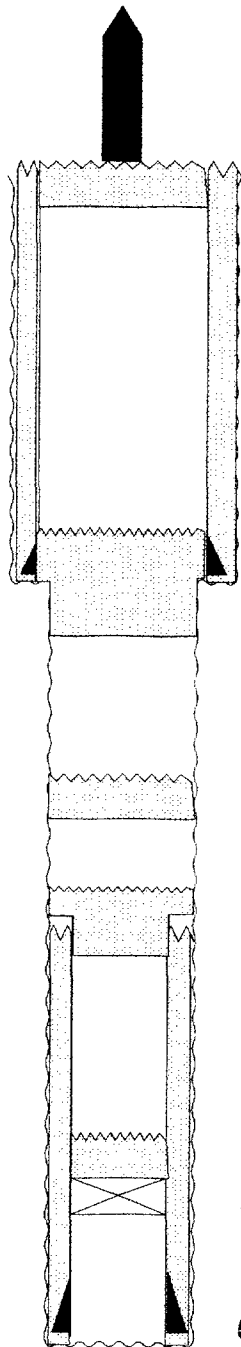
7" 20# CSG • 3912' W/ 100 SX.

TD 4500'

1650' FNL, 1650' FEL, SEC 32, T17S, R33E

**CROSS TIMBERS OPERATING COMPANY
SMGSAU TRACT 7 WELL #7**

(P&A 7/73)



DRY HOLE MARKER

10 SX 30'-SURF.

30 SX 840'-740'.

**8 5/8" 24# @ 810' W/ 350 SX.
(CMT CIRC.)**

40 SX 1380'-1280'

**25 SX 1788'-1688'
CUT OFF 5 1/2" CSG @ 1738'
TOC 1740'**

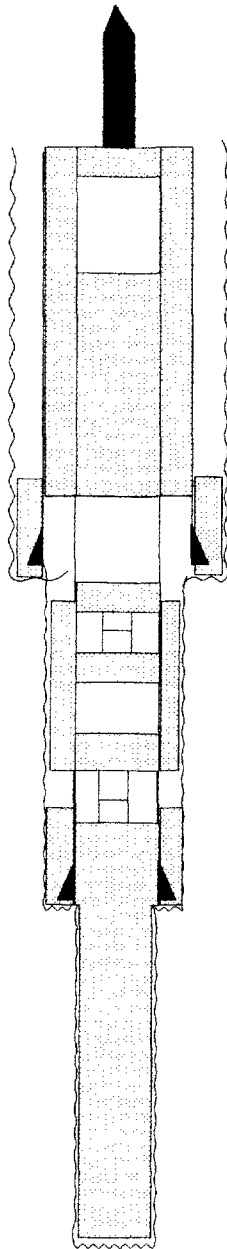
CIBP @ 4207' W/ 5 SX.

PERF 4272'-4360'

**5 1/2" 14# @ 4430' W/ 435 SX.
TD 4430'**

100' FSL, 1430' FEL, SEC 29, T 17S, R33E

(P&A 6/84)



15 SX 50'-SURF.

TOC INSIDE 7" - 100'

PERF @ 1200'
SQZ W/ 250 SX. DWN 7" CSG
(CIRC TO SURF)
8 5/8" 32# @ 1280' W/ 50 SX.
TOC 1308'
RETAINER @ 2699CAP RETAINER W/ 37 SX.
SQZ W/ 500 SX.
PERF @ 2800'

CAP RETAINER W/ 37 SX.

RETAINER @ 3947'
SQZ W/ 150 SX.

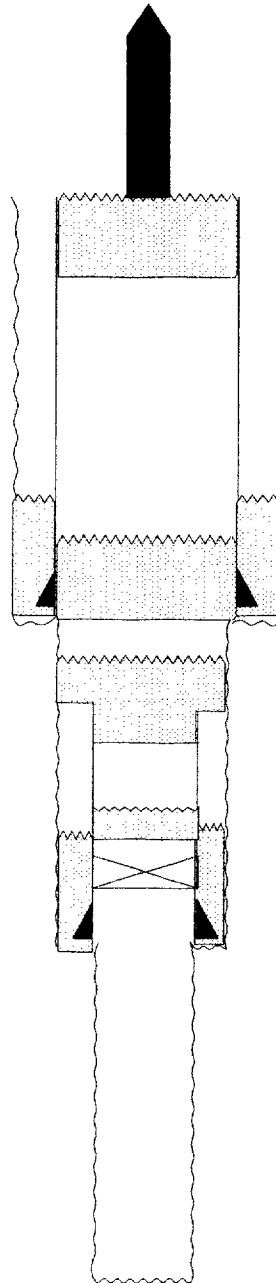
7" 20# • 4045' W/ 102 SX.

TD 4325'

660' FNL, 1980' FEL, SEC 32, T17S, R33E

**CROSS TIMBERS OPERATING COMPANY
SMGSAU TRACT 9 WELL #4**

(P&A 7/10/73)



DRY HOLE MARKER

15 SX 30'-SURF.

45 SX 1350'-1250'.

9 5/8" @ 1300'

45 SX 2265'-2165'

CUT OFF 7" @ 2215'

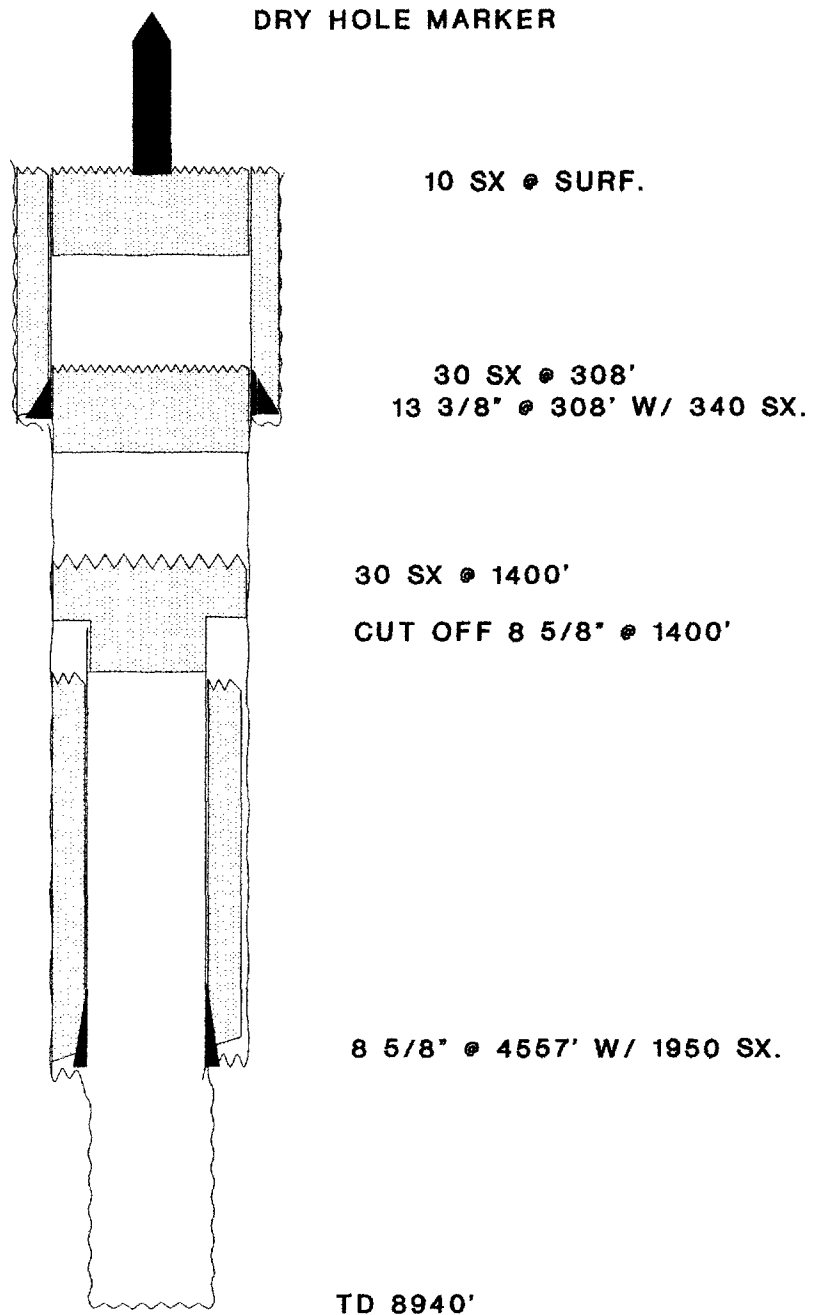
CIBP @ 3991' W/ 7 SX.

7" @ 3943'

TD 4306'

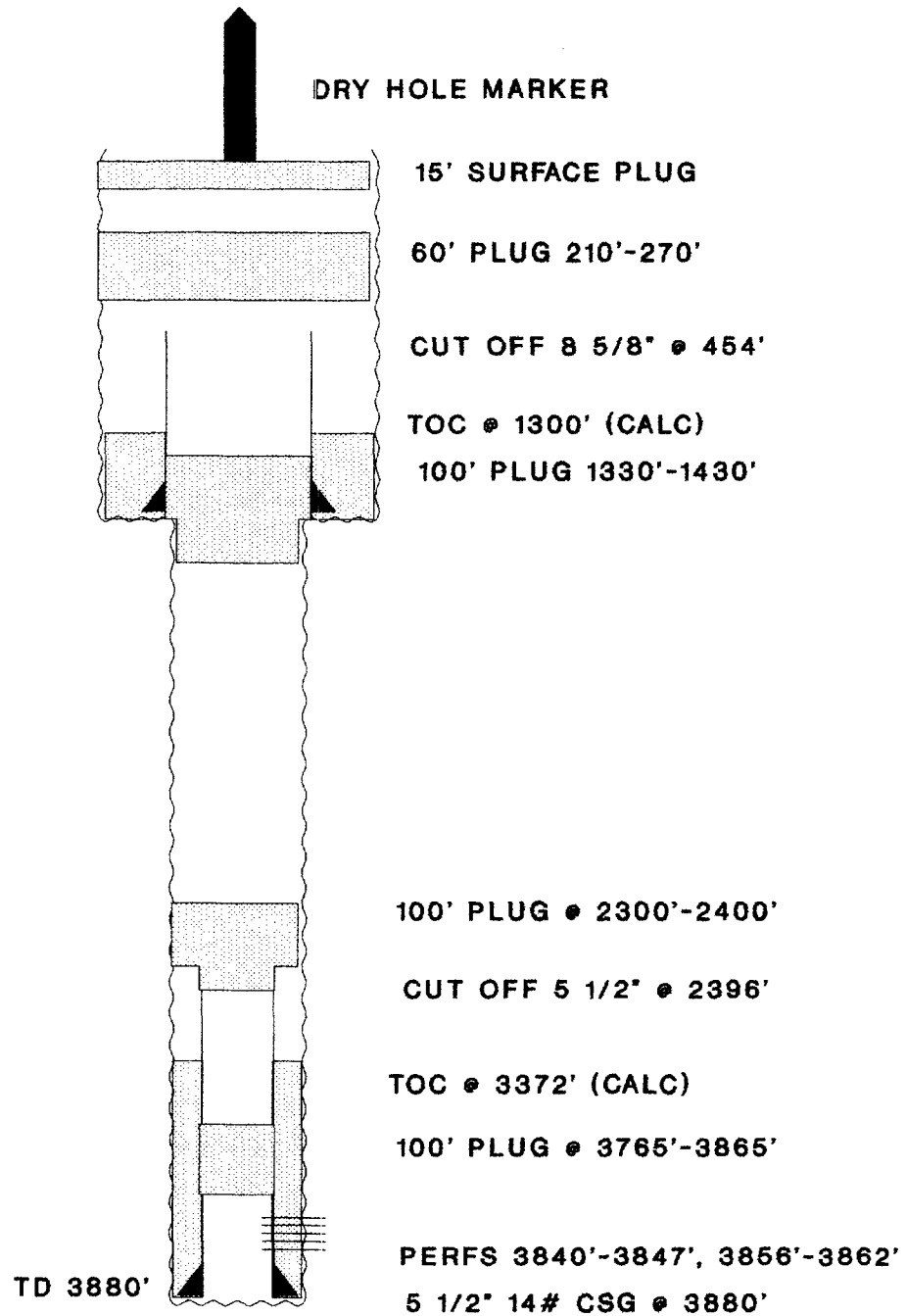
660' FNL, 660' FEL, SEC 32, T17S, R33E

**JAMES P. DUNIGAN
COCKBURN #1**



990' FNL, 430' FWL, SEC 33, T17S, R33E

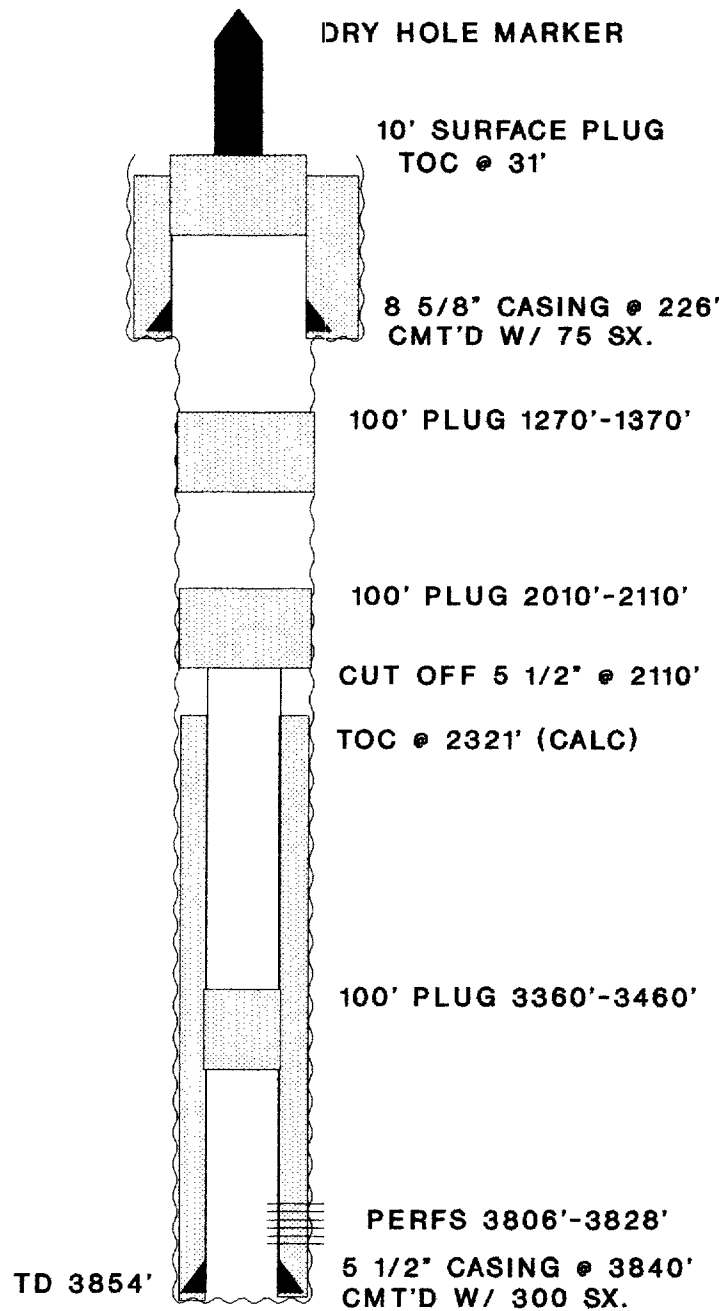
**H.R. DENIUS
COCKBURN FEDERAL #5
(P&A 6/16/61)**



2310' FSL, 330' FWL, SEC 33, T17S, R33E, NMPM

**H.R. DENIUS
COCKBURN FEDERAL #9**

(P&A 6/16/61)



2264' FSL, 990' FWL, SEC 33, T17S, R33E NMPM