



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

3-12-92

BRUCE KING
GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

WAX-627

RE: Proposed:

MC	_____
DHC	_____
NSL	_____
NSP	_____
SWD	_____
WFX	<u>X</u> _____
PMX	_____

Gentlemen:

I have examined the application for the:

Cross Timbers Operating Co. SMLSAU Tr. 9 #7-H 32-17-33
Operator _____ Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK

Yours very truly,

Jerry Sexton
Supervisor, District 1

/ed



Cross Timbers Operating Company

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,

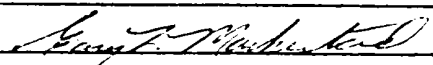
CROSS TIMBERS OPERATING COMPANY

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:  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.

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". The signature is fluid and cursive, with a large initial "G" and "M".

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 MAIL
 NO 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. 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 advertisements 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 SEAMGSAU Tract 9 Well No. 7 located 2310' FNL & 990' FEL of Section 32, T-17-S, R-33-E for secondary 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. 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.

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.

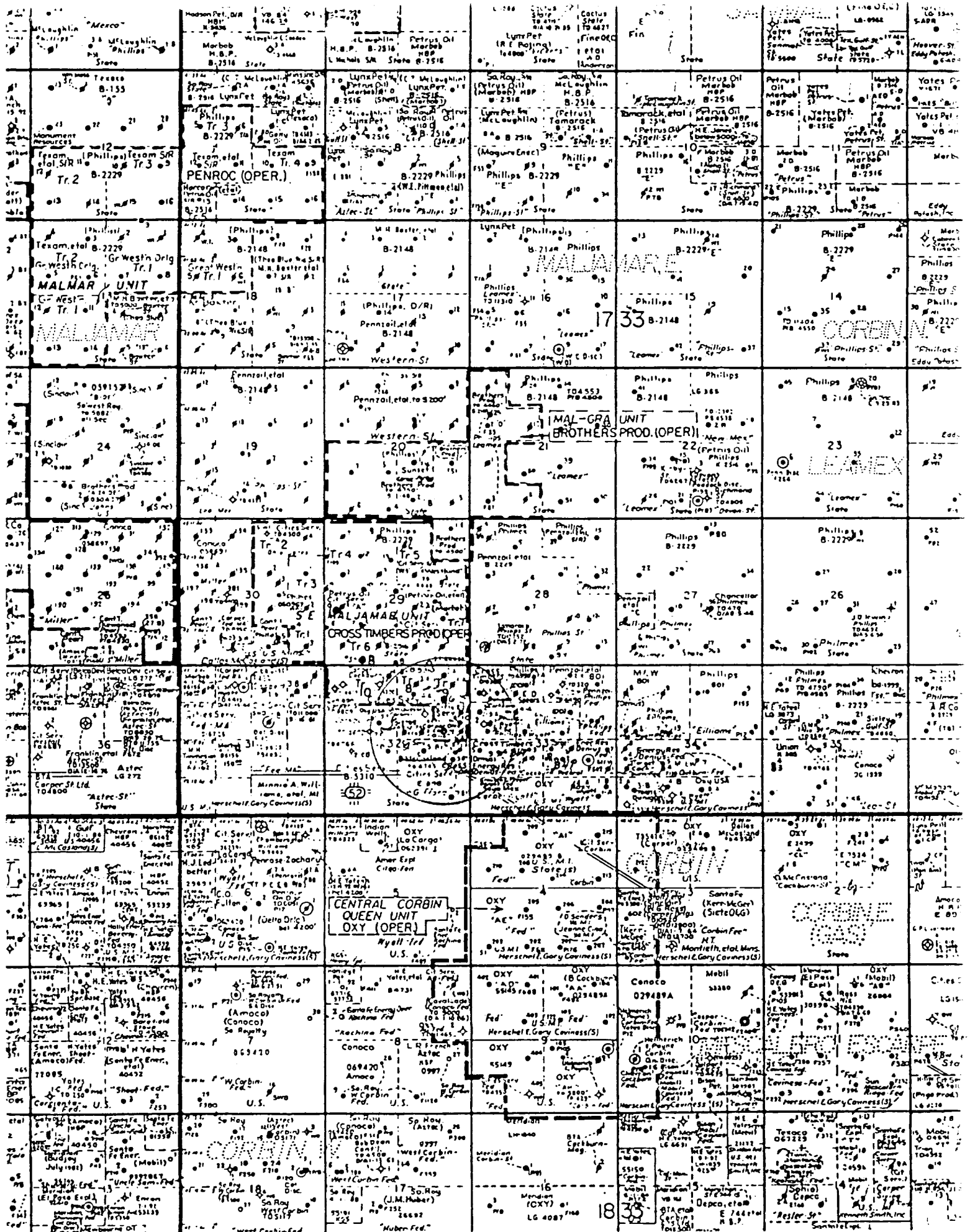
ITEM XI CHEMICAL ANALYSIS OF FRESH WATER

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

ATTACHMENT
(cont'd)

ITEM XII

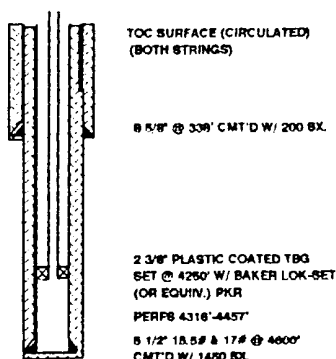
All available data indicates that the injection interval is not in hydraulic communication with any sources of fresh water in this area.



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



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 MAIJAMAR (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 DELG 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' PEL	2310' PNL & 1700' PEL	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' (PERPS)		3,649'-3,765'
				NO RECORD OF WELL @ KNOCD DIST OPC.
PLUGGING PROCEDURE	CIBP @ 3700'	CIBP @ 8630' W/ 5 SX.	CIBP @ 3475'.	
	5 SX. @ 3700'-3660'	25 SX. 6234'-5985'	PERP @ 1340'.	
	CUT OFF 7" @ 1750'	25 SX. 3993'-3743'	RETAINER @ 1305'.	
	50 SX 1800'-1650'	SHOT CSG OFF @ 3,068'.	SQZ W/ 500 SX.	
	50 SX 1425'-1300'	50 SX. 3219'-3019'	PERP @ 1150'.	
	10 SX 30'-0'	75 SX. 3019'-2719'	PHP 500 SX DWN CSG & DISPL TO 1050'.	
		CUT OFF 8 5/8" @ 386'	PERP @ 250'.	
		120 SX. 443'-143'	PHP 375 SX DWN CSG.	
		40 SX. 56'-0'	CIRC 5 SX TO SURP.	

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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' PSL & 660' FEL	2310' PSL, 1650' FEL	2310' PSL, 430' FEL	100' PSL & 1430' FEL
WELL TYPE	:OIL	SEC 32, T-17-S, R-33-E	SEC 32, T-17-S, R-33-E	SEC 29, T17S, R33E
STATUS	:ACTIVE	OIL	OIL	DRY HOLE
SURFACE CASING	:8 5/8" 24# @ 1370' W/ 50 SX.	SI	ACTIVE	PLUGGED
TOP OF CEMENT	:1290'	8 5/8" 24# @ 1384' W/ 50 SX	8 5/8" @ 325' W/ 300 SX.	8-5/8" 24# @ 810' W/350 SX.
INTERMEDIATE CASING :		1254' (CALC)	SURFACE	SURFACE
TOP OF CEMENT :				
PRODUCTION CASING	:7" 20# @ 3813' W/ 100 SX.	7" 20# @ 3797' W/ 100 SX.	4 1/2" @ 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

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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' PNL & 1980' PEL	330' PNL, 990' PEL	660' PNL & 660' PEL	1650' PNL & 330' PEL
WELL TYPE	:INJECTION	SEC 32, T17S, R33E	SEC 32, T17S, R33E	SEC 32, T17S, R33E
STATUS	:PLUGGED	INJECTION	OIL	OIL
SURFACE CASING	:8-5/8" 32# @ 1,280' W/50 SX.	ACTIVE	PLUGGED	ACTIVE
TOP OF CEMENT	:1200'	8-5/8" 24# @ 1275' W/50SX	9-5/8" @ 1,300'.	8-5/8" 24# @ 1,346' W/50 SX.
INTERMEDIATE CASING :		1100' (CALC)		1260'
TOP OF CEMENT :				
PRODUCTION CASING	:7" 20# @ 4,045' W/102 SX.	5-1/2" 14# @ 4050' W/100SX	7" @ 3,943'.	7" 20# @ 3,523' W/50 SX.
TOP OF CEMENT	:2780'	3400' (CALC)		2900'
LINER :				
DATE DRILLED	:5/44	2/51 (DEEPEMED 2/91)	7/46	9/50
TOTAL DEPTH	:4,325' (PRTD 4,313')	4500'	4,306' (PRTD 4,266')	4,476'
COMPLETION INTERVAL	:4,045'-4,313' (OE)	OH 4,050'-4500'	3,943'-4,266' (OE)	4,298'-4,407' (PERP)
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' SURP.	
	PERP 2,800'. SET RET @ 2,699'. SQZ W/500 SX. 37SX ON RET (2,499'-2,699').			
	PERP 1,200'. PMP 250 SX DMN CSG. DISPLACE TO 100'.			
	15 SX 50'-SURP.			

WELLS WITHIN SMOGSAU 907 AREA OF REVIEW

OPERATOR	:CROSS TIMBERS OPERATING COMPANY	CROSS TIMBERS OPERATING COMPANY	E. R. DENIUS	E. R. DENIUS
WELL NAME	:U.S. MINERALS #1	U.S. MINERALS #2	COCKBURN-FEDERAL #5	COCKBURN-FEDERAL #9
LOCATION	:990' PNL, 330' PNL	990' PNL, 990' PNL	2310' PSL, 330' PNL	2264' PSL, 990' PNL
WELL TYPE	:SEC 33, T-17-S, R-33-E	SEC 33, T-17-S, R-33-E	SEC 33, T17S, R33E	SEC 33, T17S, R33E
STATUS	:OIL	OIL	OIL	OIL
SURFACE CASING	:ACTIVE	ACTIVE	P&A	P&A
TOP OF CEMENT	:7" 20# @ 1427' W/ 50 SX.	8 5/8" 28# @ 1305' W/ 50 SX.	8 5/8" 24# @ 1380' W/ 50 SX.	8-5/8" @ 226' W/75SX
INTERMEDIATE CASING :	:1365'	1225'	1300' (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' CUT OFF 5 1/2" @ 2396' 100' PLUG @ 2400'-2300' 100' PLUG @ 1430'-1330' CUT OFF 8 5/8" @ 454' 60' PLUG @ 270'-210' 15' SURF PLUG P&A 6/16/61	100' PLUG 3460'-3360' CUT OFF 5 1/2" @ 2110' 100' PLUG 2110'-2020' 100' PLUG 1370'-1270' 10' SURFACE PLUG P&A 6/16/61

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WELLS WITHIN SMGSJAU 907 AREA OF REVIEW

OPERATOR	:JAMES P. DUNIGAN	OXY USA, INC.	OXY USA, INC.
WELL NAME	:COCKBURN #1	COCKBURN STATE "A" #4	COCKBURN "A" STATE #5
LOCATION	:990' FWL & 430' FWL	1980' FWL & 990' FWL	1980' FWL, 1980' FWL
	SEC 33, T17S, R33E	SEC 32, T-17-S, R-33-E	SEC 32, T17S, R33E
WELL TYPE	:DRY HOLE	OIL	OIL
STATUS	:PLUGGED	ACTIVE	ACTIVE
SURFACE CASING	:13-3/8" @ 308' W/340 SX.	13 3/8" @ 334' W/ 320 SX.	11 3/4" 28# @ 314' W/ 225 SX.
TOP OF CEMENT	:SURFACE	SURFACE	SURFACE
INTERMEDIATE CASING	:8-5/8" @ 4,557' W/1950 SX.	8 5/8" @2899' W/ 500 SX.	8 5/8" 24# @ 32# @ 2915' W/ 250 SX.
TOP OF CEMENT	:1400'	2100'	2180'
PRODUCTION CASING	:NONE	4 1/2" @ 8819' W/700 SX.	4 1/2" 10.5# @ 11.6# @ 8829' W/ 1500 SX.
TOP OF CEMENT	:	5085'	3030'
LINER	:	NONE	
DATE DRILLED	:4/61	3/66	9/61
TOTAL DEPTH	:8,940'	8820'	8829'
COMPLETION INTERVAL	:NONE	8632'-8695'	8561'-8586' & 8594'-8644' (PERF)

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'

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QCD HOBBS OFFICE

WELLS WITHIN SMGSAU 907 AREA OF REVIEW

OPERATOR	:OXY USA, INC.	OXY USA, INC.	PHILLIPS PETROLEUM COMPANY
WELL NAME	:STATE "C8" #1	OHIO STATE "C" #1	WILLIAMS #6
LOCATION	:2310' PNL, 2310' PEL	1980' PNL & 330' PEL	2311' PNL & 659' PNL
WELL TYPE	:SEC 32, T-17-S, R-33-E	SEC 32, T-17-S, R-33-E	SEC 33, T17S, R33E
STATUS	:OIL	OIL	OIL
SURFACE CASING	:ACTIVE	ACTIVE	ACTIVE ABO
TOP OF CEMENT	:8 5/8" @ 329' W/ 300 SX.	13 3/8" @ 311' W/ 340 SX.	13-3/8" @ 320' W/350 SX.
INTERMEDIATE CASING	:SURFACE	SURFACE	SURFACE
TOP OF CEMENT	:	8 5/8" @ 3168' W/ 800 SX.	8-5/8" @ 4,589' W/700 SX.
PRODUCTION CASING	:4 1/2" @ 4810' W/ 250 SX.	4 1/2" 11.64 @ 8825' W/ 1600 SX.	2530
TOP OF CEMENT	:3845'	2645	5-1/2" @ 8,788' W/361 SX.
LINER	:		6950
DATE DRILLED	:12/61	11/60	7/61
TOTAL DEPTH	:4810	8828'	8,788'
COMPLETION INTERVAL	:4345'-4492' (PERP)	8615'-8650' (PERP)	8,562'-8,734' (PERPS)

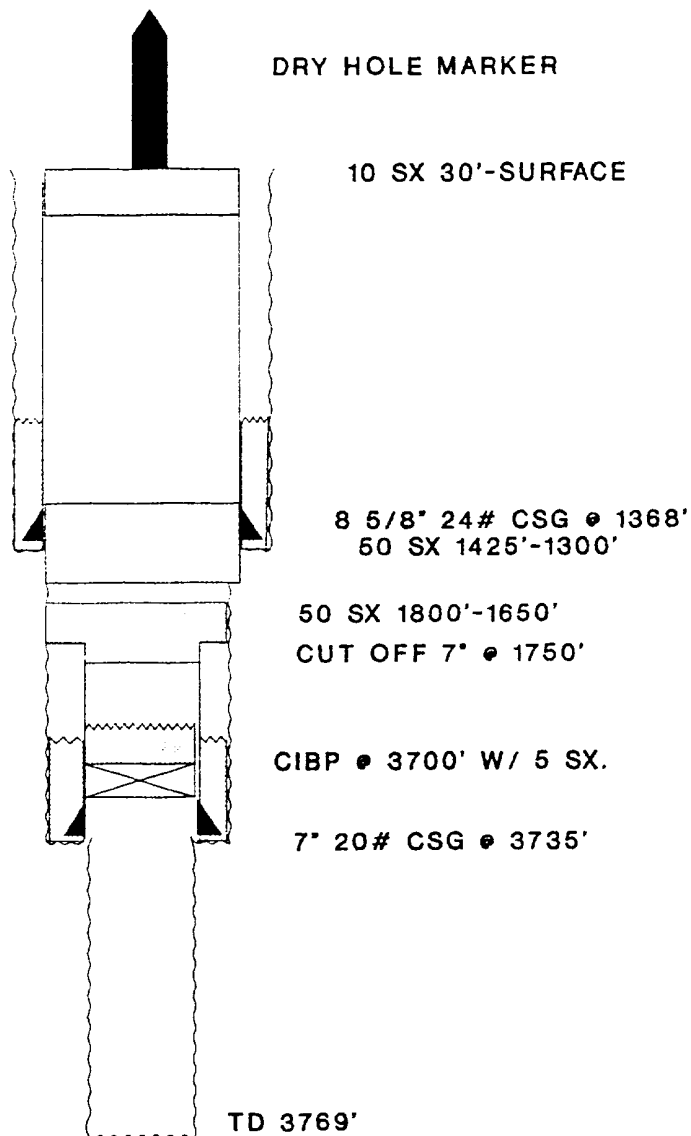
PLUGGING PROCEDURE

WELLS WITHIN SAGSLO 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	DENIUS FEDERAL #6
LOCATION	:1650' PNL & 330' PNL	1980' PNL, 660' PNL	2310' PSL, 990' PNL
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	SURP
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' (PERP)	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

(P&A 2/80)

D.F.

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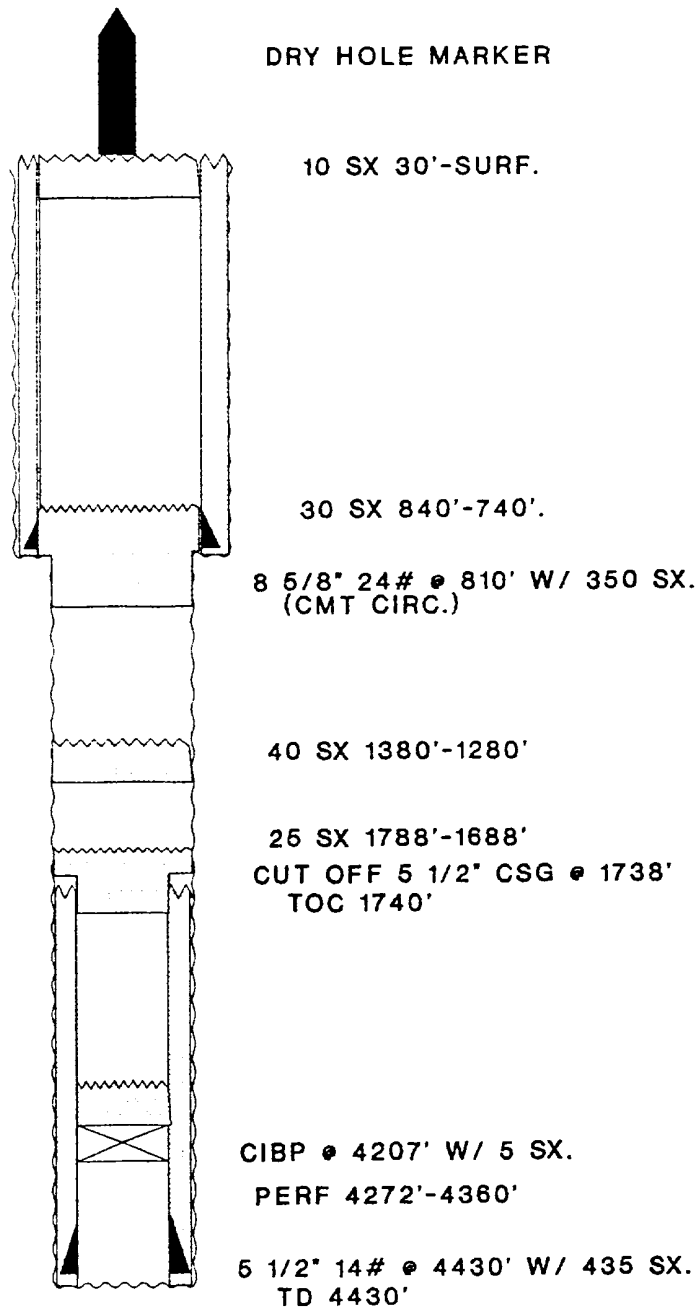
7° 20' CSG • 3912' W/ 100 8X.

TD 4500'

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

CROSS TIMBERS OPERATING COMPANY
SMGSAU TRACT 7 WELL #7

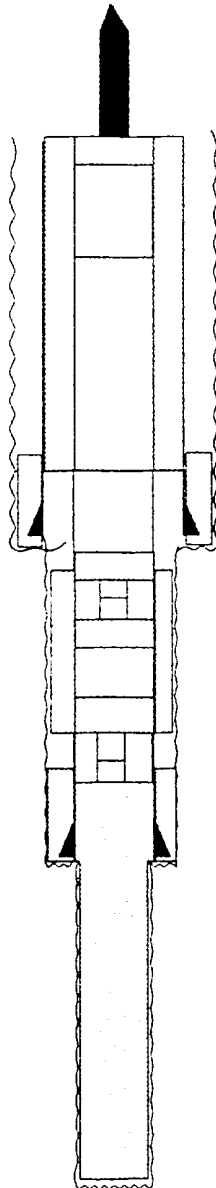
(P&A 7/73)



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

CROSS TIMBERS OPERATING COMPANY
SMGSAU TRACT 8 WELL #3

(P&A 6/84)



DRY HOLE MARKER

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.

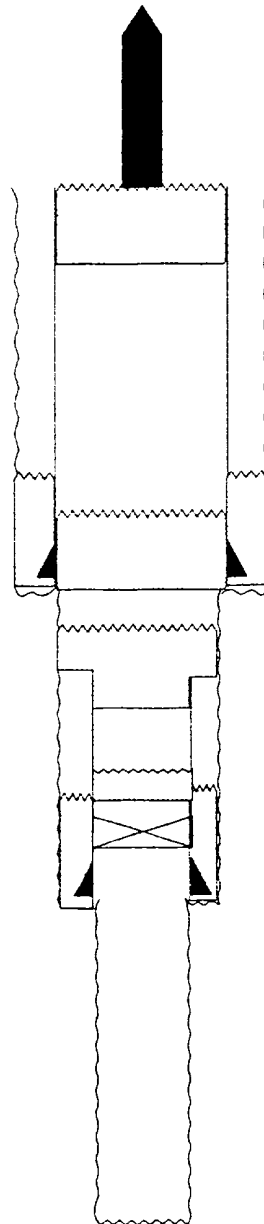
7" 20# @ 4045' W/ 102 SX.

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'

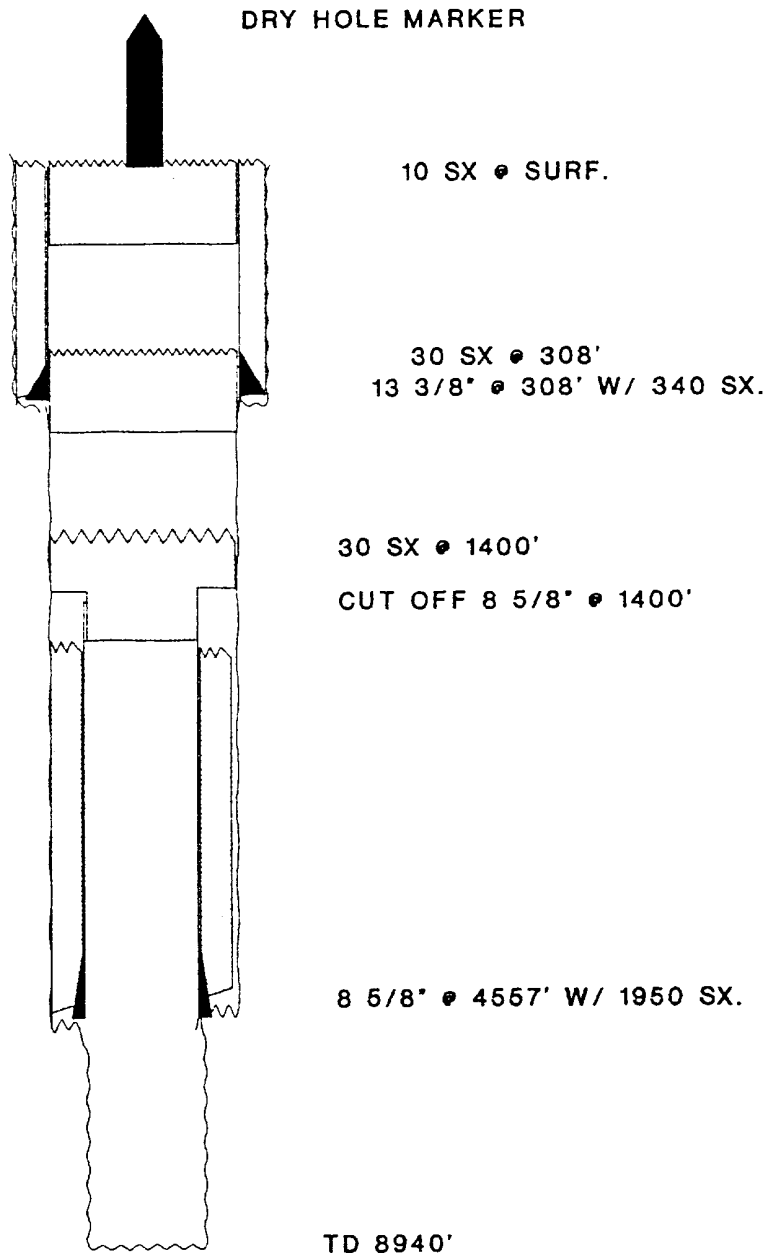
CIBP @ 3991' W/ 7 SX.

7" @ 3943'

TD 4306'

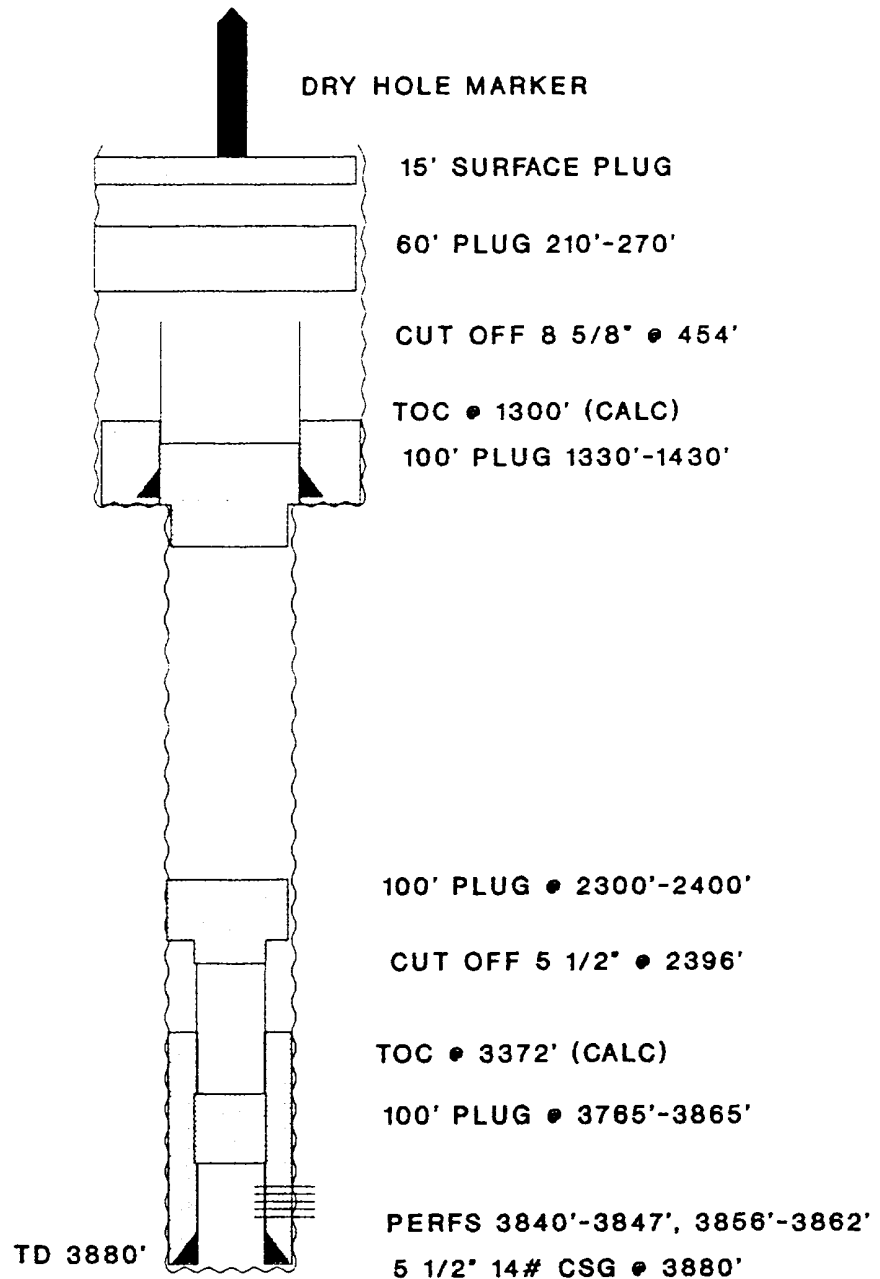
660' FNL, 660' FEL, SEC 32, T17S, R33E

JAMES P. DUNIGAN
COCKBURN #1



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

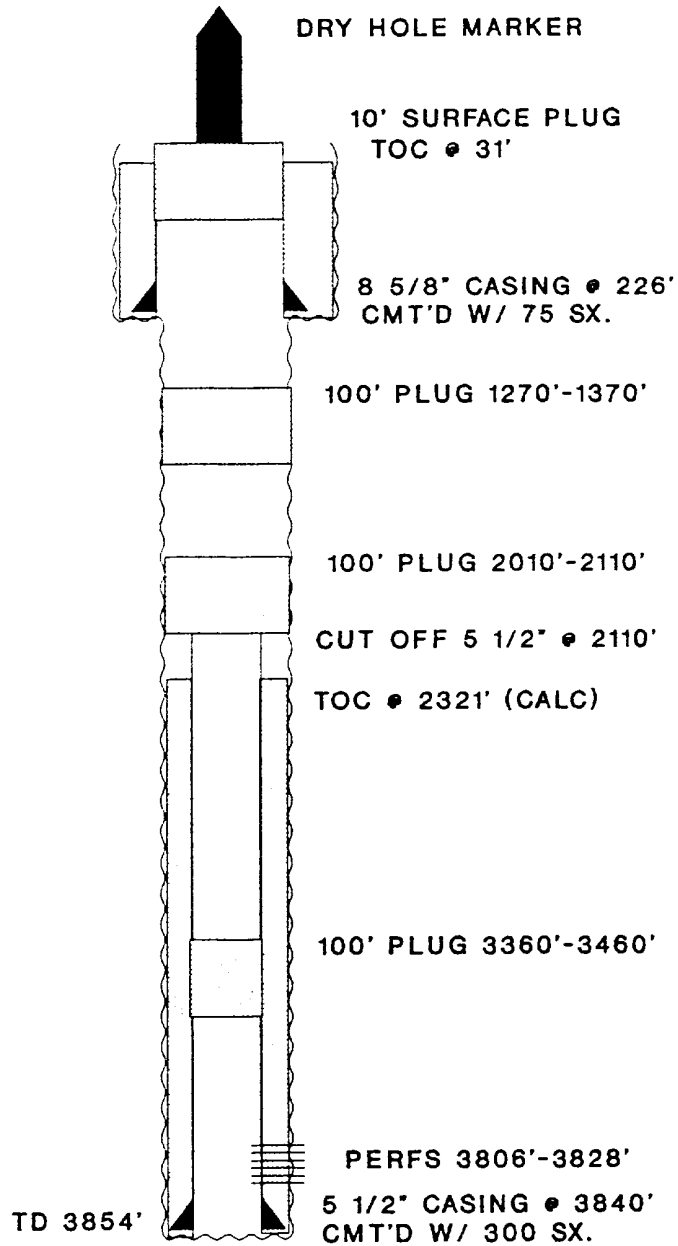
**H.R. DENIUS
COCKBURN FEDERAL #5
(P&A 6/16/61)**



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