

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYN.M.O.G.D. CC
SUBMIT IN DUPLICATE
(Other information on reverse side)Form approved.
Budget Bureau No. 42-R1425.

30-015-23852

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. LC-028793-c	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR General American Oil Company of Texas			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 128, Loco Hills, New Mexico 88255			8. FARM OR LEASE NAME Burch "C"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 2310' FSL & 2310' FEL At proposed prod. zone Same			9. WELL NO. 44	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 3.5			10. FIELD AND POOL, OR WILDCAT Grayburg - Jackson	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 3000'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA UL-J Sec. 23, T-17S, R-29E	
16. NO. OF ACRES IN LEASE 1115			12. COUNTY OR PARISH Eddy	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40			13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 675'			20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3595.7' GL			22. APPROX. DATE WORK WILL START July, 1981	

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	20#	400'-500'	Circulate to surface
7 7/8"	5 1/2"	15.5#	3300'	300+ sacks

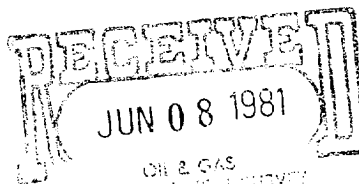
We propose to drill this well to 3300', and complete in the Grayburg and San Andres.

Mud program: Water and native mud will be used to 200' from TD. Salt gel will be used the remainder of the hole.

All zones indicating porosity will be acidized or sand fraced.

A 10" 3000# blowout preventor will be used during drilling operations.

Posted ID-1
API + NL Book
7-10-81



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED Randall H. Hawkins TITLE Field Superintendent DATE June 5, 1981

(This space for Federal or State office use)

APPROVED	
PERMIT NO.	APPROVAL DATE
GEORGE H. STEWART	
APPROVED BY	TITLE
JUN 10 1981	
FOR	DATE
JAMES A. GILLHAM	
DISTRICT SUPERVISOR	

*See Instructions On Reverse Side

**N MEXICO OIL CONSERVATION COMMISS
WELL LOCATION AND ACREAGE DEDICATION PLAT**

GAUC
RECEIVED
MAY 13 1981
NEW MEXICO

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

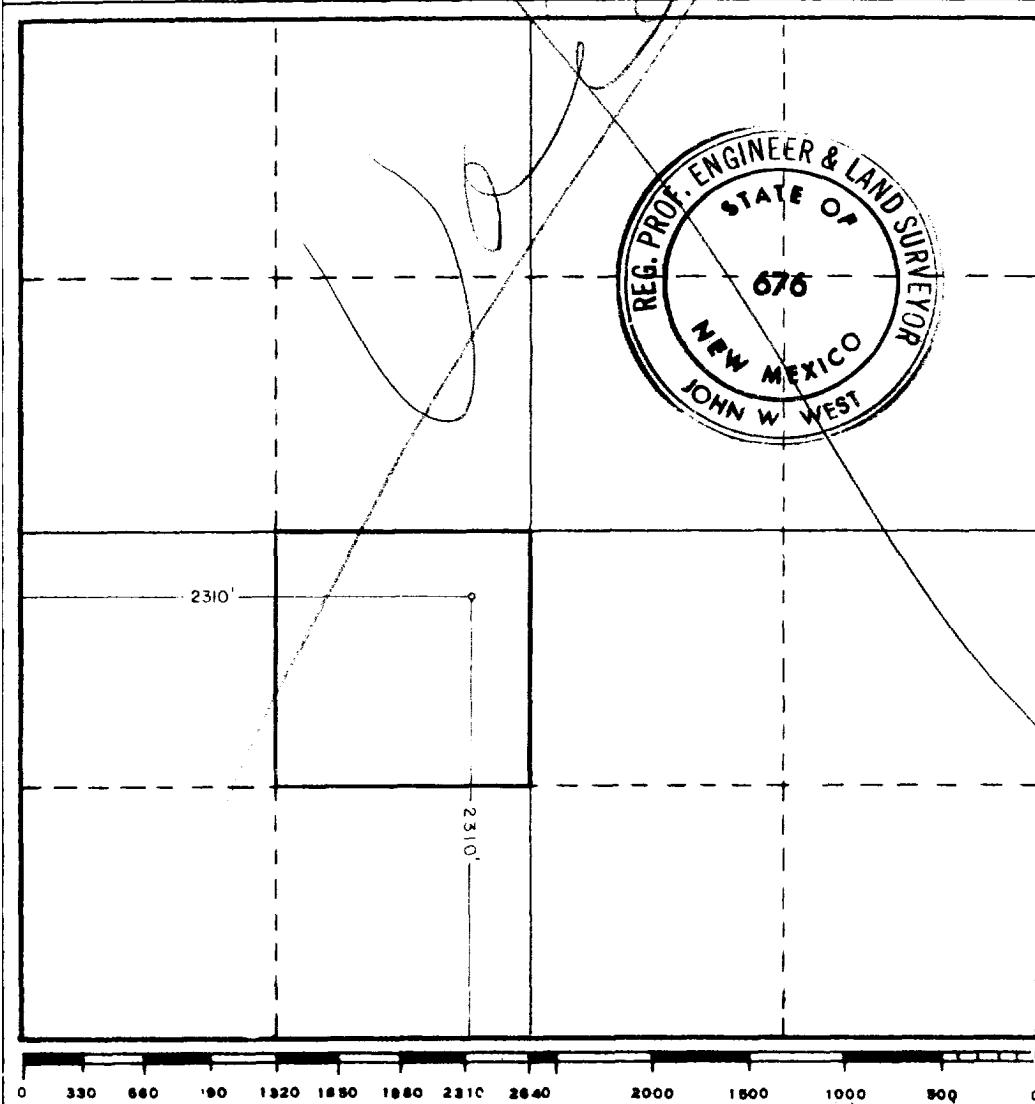
Operator GENERAL AMERICAN OIL CO. of TEXAS			Lease BURCH "C"		Well No. 44
Unit Letter K	Section 23	Township 17 SOUTH	Range 29 EAST	County EDDY	
Actual Footage Location of Well: 2310 feet from the SOUTH line and 2310 feet from the EAST line					
Ground Level Elev. 3595.7	Producing Formation Grayburg - Jackson	Pool Grayburg - San Andres	Dedicated Acreage: 40 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
<i>Lendell N. Hawkins</i> Name	
Lendell N. Hawkins Position	
Field Superintendent	
Company	
General American Oil Co. of Tx.	
Date	
June 5, 1981	
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.	
Date Surveyed	
5-8-81	
Registered Professional Engineer and/or Land Surveyor	
<i>John W. West</i>	
Certificate No.	676
JOHN W. WEST	676
PATRICK A. ROMERO	6668
Ronald J. Eidson	3239

DRILLING PROGNOSIS

BURCH "B" #34
BURCH "C" #44
GRAYBURG-JACKSON
EDDY COUNTY, NEW MEXICO

- I. OBJECTIVE: Drill 2 infill wells in the Grayburg-Jackson Field, Eddy County, New Mexico.
- II. LOCATION: Burch "B" #34 330' FWL & 2310' FSL Sec. 23, T-17S, R-29E
 Burch "C" #44 2310' FEI & 2310' FSL Sec. 23, T-17S, R-29E
- III. BUDGET CLASSIFICATION: Developmental.
- IV. PROJECTED TOTAL DEPTH, HOLE SIZE, SLOPE TEST, DRILL PIPE MEASUREMENTS:
- A. 12-1/4" hole to Top of Salt (approximately 400'-500') to accomodate 8-5/8" surface casing.
 - B. 7-7/8" hole to total depth; Burch "B" #34, 3240' and Burch "C" #44, 3300' to accomodate 5-1/2" production casing.
 - C. Estimated drilling time 6-7 days per well.
 - D. Slope test will be run at each bit trip, 500' interval, or as directed by company representative.
 - E. Drill pipe will be strapped out of hole before any coring, testing, or logging.
- V. DRILLING CONTRACT:
- A. Contractor: W. E. K. Drilling Company, Inc.
 - B. Type of Contractor: Footage
 - C. Contract Depth: 3300'

VI. MUD PROGRAM:

<u>Interval</u>	<u>Type Mud</u>	<u>Weight</u>	<u>Viscosity</u>	<u>WL</u>
0' — 200' from TD	Fresh & Salt Water	9-10	28 - 30	NC
200' from TD — TD	Salt GEL	10-11	36 - 40	NC

VII. TYPICAL GEOLOGICAL TOPS FOR SECTION 23, TOWNSHIP 17-SOUTH, RANGE 29-EAST:

<u>Top</u>	<u>Vertical Depth</u>	<u>Subsea Depth</u>
A. Queen	1807'	+ 1782'
B. Grayburg	1962'	+ 1627'
C. Loco Hills	2258'	+ 1331'
D. Metex	2370'	+ 1219'
E. San Andres	2496'	+ 1093'
F. Lovington	2586'	+ 1003'

VIII. SAMPLES

- A. Samples will be taken at 10' intervals from 2200' to TD or as directed by Company representative.

IX. CORES AND DRILL STEM TESTS:

A. No cores or DSTS are planned.

X. LOGS:

A. Logging program will consist of Sidewall Neutron—Gamma Ray—Caliper Log from 0' — TD.

XI. CASING PROGRAM:

A. Surface: 8-5/8" 20# K-55 ST&C casing will be run to just above Top of Salt and cemented with Class "C" cement with 2% calcium chloride. If cement does not circulate, the casing will be cemented to surface with ready-mix or 1" pipe down the backside. Appropriate float equipment will be run and a dry sample of the cement caught.

B. Production: 5-1/2" 15.5# K-55 ST&C casing will be run to TD. Sufficient volume of Class "H" cement with 10# sand, 5# salt, 1/4# Flocel, and 3/4 of 1% CFR-2 per bag will be pumped to cover all zones of interest. Appropriate float equipment will be run and a dry sample of the cement caught. There will be a 20' shoe joint in each of these wells.

XII. SAFETY PROGRAM:

The safety program will conform to all U.S.G.S. rules and regulations. The B.O.P.E. will be checked at least once a week or as directed by company representative.

XIII. THIRD PARTY SERVICES:

A. Surveying:	John West Engineering
B. Dirt Work:	Jabo Rowland Construction
C. Water & Trucking:	I & W Trucking
D. Mud:	Marr's Mud Company
E. Cementing:	Halliburton or Western
F. Logging:	Dresser Atlas
G. Stimulation:	Halliburton or Western

SUBMITTED BY: Rendell N. Hawkins

MSS/mjc

DATE: _____

APPROVED BY: _____

DATE: _____

