

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
Sohio Petroleum Company

3. ADDRESS OF OPERATOR
P. O. Box 3000 Midland, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
1980' PNL & 660' PNL, NW/4 Sec. 12, 22S, 37E, NMPM
 At proposed prod. zone
San Andres

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 3 miles SE of Eunice, New Mexico

5. LEASE DESIGNATION AND SERIAL NO.
LC 064427

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Elliott B-12-2

9. WELL NO.
2

10. FIELD AND POOL, OR WILDCAT
Eunice, South (San Andres)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
12, 22S, 37E, NMPM

12. COUNTY OR PARISH 13. STATE
Lea N. Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) **660'**

16. NO. OF ACRES IN LEASE **40**

17. NO. OF ACRES ASSIGNED TO THIS WELL **40**

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. **330'**

19. PROPOSED DEPTH **4100'**

20. ROTARY OR CABLE TOOLS

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3353 DF

22. APPROX. DATE WORK WILL START*
9-18-78

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8-3/4"	7"	23#	5159'	500 ex
12"	9-5/8"	36#	2809'	1300 ex
17-1/4"	13-3/8"	48#	171'	118 ex

This well released from Paddock (San Angelo) Unit (Well #71) and returned to Sohio will be plugged back and recompleted in San Andres.

See Attached Procedure

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. ORIGINAL SIGNED BY J. N. WALTERS TITLE District Superintendent DATE 9-01-78

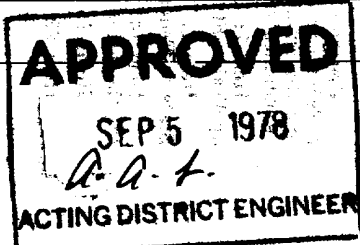
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side



Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 2: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 3: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the location of the well, and any other required information, should be furnished when required by Federal or State agency offices.

Item 4 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

☆ U.S. GOVERNMENT PRINTING OFFICE : 1963-O-711-396

COPY TO O.C.

ACTING DISTRICT ENGINEER
APPROVED

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PL

Form C-102
 Supersedes C-128
 Effective 1-4-65

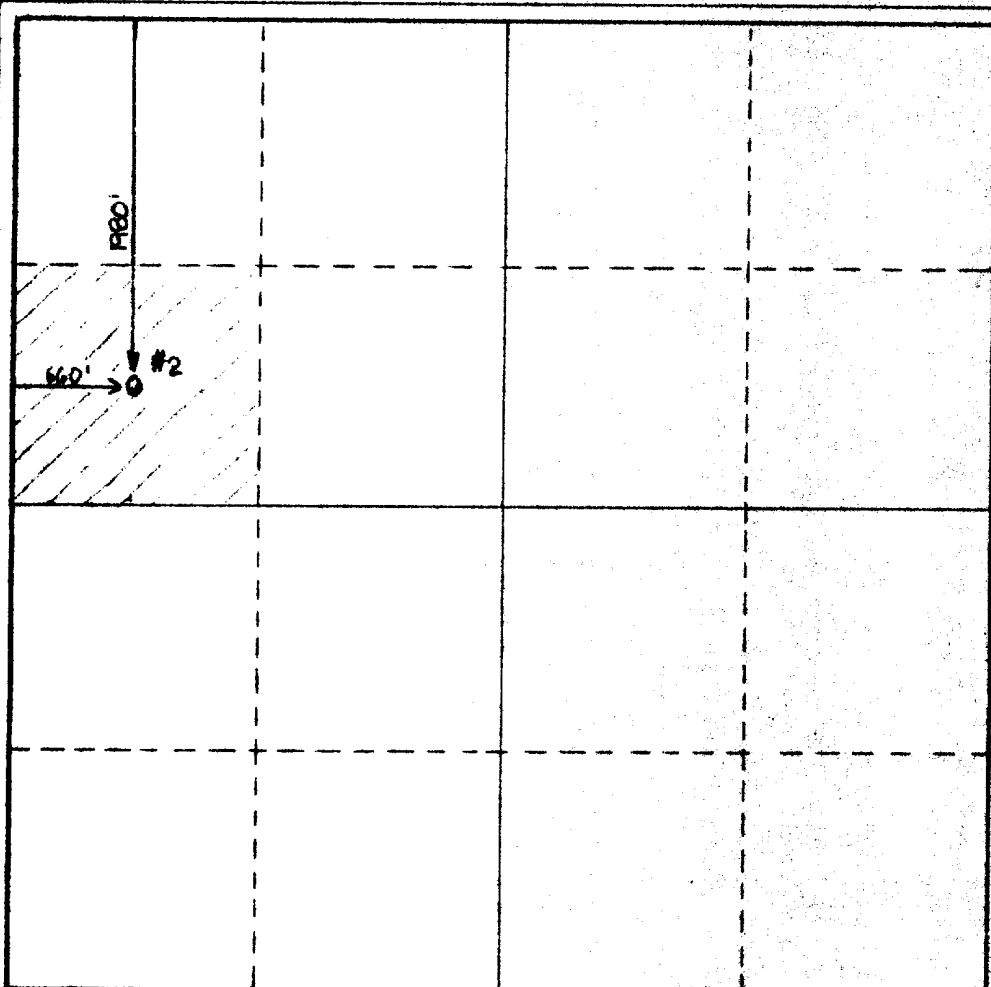
All distances must be from the outer boundaries of the Section.

Operator SOHIO PETROLEUM COMPANY		Lease Elliott B-12-2		Well No. 2
Unit Letter E	Section 12	Township 22-S	Range 37-E	County Lea
Actual Footage Location of Well: 1980 feet from the North line and 660 feet from the West line				
Ground Level Elev. 3353 DF	Producing Formation San Andres	Pool 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.

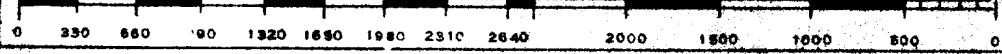
ORIGINAL SIGNED BY
J. H. WALTERS

Name J. H. Walters
Position District Superintendent
Company Sohio Petroleum Company
Date September 1, 1978

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
Registered Professional Engineer and/or Land Surveyor

Certificate No. _____



RECEIVED

SEP 12 1978

ALL INFORMATION CONTAINED

HEREIN IS UNCLASSIFIED

...

...

...

...

...

...

...

...

...

...

...

...

...

WELL Elliott B-12-2 #2	DATE	AFE NO.	DISTRICT Midland
FIELD Eunice, South (San Andres)	OBJECTIVE ZONE San Andres		TOTAL DEPTH
CONDITIONS	LOCATION SW/4 NW/4, 12-22S-37E, Lea County, New Mexico		
DEPTH	PROPOSED JOB Recomplete from Paddock to San Andres		
PRESENT	PROCEDURE		REMARKS

Drld 1945
into Unit 1967

1. Set CIBP at ±5070' and dump bail 20 ~~sx~~ cement on top.
2. Run Gamma Ray Neutron log from PBDT to 3000'.
3. Perforate 3900, 3910, 3920, 3940, 3960, 3980, 4150, 4160, 4280 & 4290', 2 SPF. These are general intervals. Exact depths to be determined after running GRN log. Fluid level to be 3700' or higher while perforating.
4. Spot acid across perforations and set treating packer at ±3850'. Load back side w/2% KCL water.
5. Treat with 15% HCl acid containing 2 gal/1000 Dowell E-1028 NE agent, 2 gal/1000 L-47 scale inhibitor and 20#/1000 gals L-41 iron stabilizer. Use 50 gals acid per perforation. The number of ball sealers to be used will depend on number of perfs. Treat at 6-7 BPM.
6. Swab back immediately.
7. Run production assembly.
8. Set pumping unit if required. Size to be determined from swab test.

Calculated
Top of Cmt
1628'

2" tbg in
well now.

3900'

4290'

CIBP w/20 sx cmt cap @ ±5070'

Perfs 5117-5149'

7" 23# csg at 5159'

6 1/4" open hole to 5175'

SEP 12 1978

RECEIVED

SUBMITTED BY

APPROVAL

ORIGINAL SIGNED BY
J. H. WALTERS