

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYcopy to SF
30-015-22090

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

General American Oil Company of Texas

3. ADDRESS OF OPERATOR

P. O. Box 416 Loco Hills, New Mexico 88255

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

2310' FNL and 1980' FWL Sec. 27, T-16, R-30E

At proposed prod. zone

APR 7 1977

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

5 Miles North of Loco Hills

O. C. C.

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drilg. unit line, if any)

1980

16. NO. OF ACRES IN LEASE

1000

17. NO. OF ACRES ASSIGNED

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

800

19. PROPOSED DEPTH

3200

20. ROTARY OR CABLE TOOLS

Rotary

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

22. APPROX. DATE WORK WILL START*

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"	24#	500	Circulate
7-7/8"	5-1/2"	14#	3200	300 sacks

We propose to drill this well to 3200' and complete in the Grayburg and Lovington

All zones indicating porosity will be acidized or sand fraced.

Mud program: Water and native mud will be used and approximately 100' from T.D.
we will mud up to get the hole in shape to log.

A 10" 3000# blowout preventer will be used in the drilling of this well.

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

Lendee Hawkins

TITLE

District Engineer

DATE

February 9, 1977

(This space for Federal or State office use)

PERMIT NO.

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY

THIS APPROVAL IS RECORDED IF OPERATIONS
WILL NOT BE DELAYED WITHIN 3 MONTHS.
EXPIRES JUL - 6 1977

DATE

*See Instructions On Reverse Side

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FEB 15 1977
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

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 COMPANY OF TEXAS			Lease Nunlee		Well No. 8
Unit Letter "F"	Section 27	Township 16 South	Range 30 East	County Eddy	
Actual Footage Location of Well: 2310 feet from the North line and 1980 feet from the West line					
Ground Level Elev. 3775.0	Producing Formation Grayburg-Lovington		Pool Square Lake	Dedicated Acreage: 40 Acres	

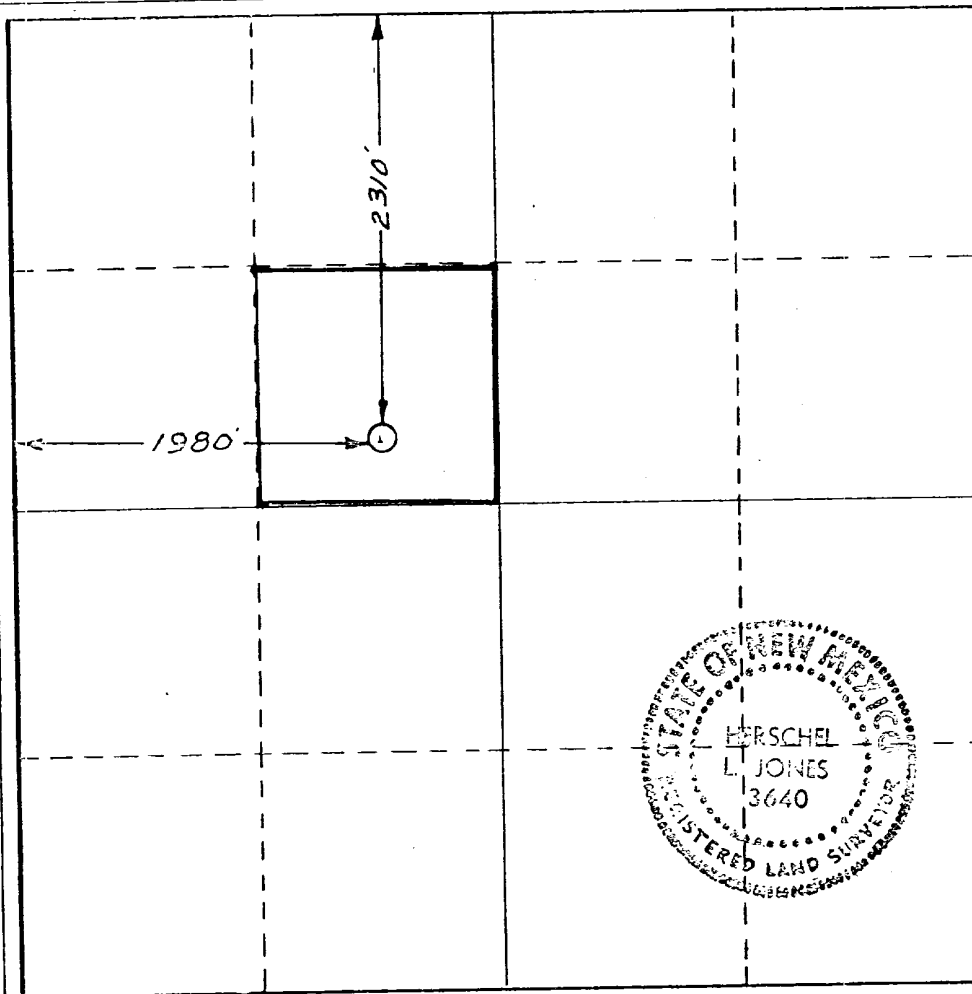
- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of the 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.

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CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Lendell Hawkins

Name

Lendell Hawkins

Position

Engineer

Company

General American Oil Co. of Texas

Date

February 9, 1977

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

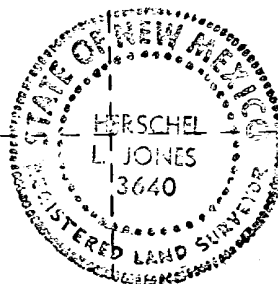
February 9, 1977

Registered Professional Engineer and/or Land Surveyor

Herschel L. Jones

Certificate No.

3640



0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

Re: Drilling Prognosis
Nunlee No. 8
Eddy County, New Mexico

- I. OBJECTIVE: Drill a 3200' well to test the Premier and Lovington sands.
- II. LOCATION: 2310' from North and 1980' from the West lines of Section 27, Township 16 South, Range 30 East.
- III. BUDGET CLASSIFICATION: Development Drilling.
- IV. PROJECTED TOTAL DEPTH, HOLE SIZE, SLOPE TEST:
- A. 12-1/4" hole to the top of the salt to accommodate 8-5/8" surface casing. (Approximately 500').
 - B. 7-7/8" hole to approximately 3200' to accommodate 5-1/2" production casing.
 - C. Estimated drilling time 6 days.
 - D. Slope test will be run on each bit trip or 500' intervals.
 - E. If any coring or drill stem testing is done pipe will be strapped out of hole prior to coring or testing.
- V. DRILLING CONTRACTOR:
- A. Contractor: W.E.K. Drilling Company, Inc. (Probable)
 - B. Type Contract: Footage
 - C. Contract Depth: 3200'

VI. MUD PROGRAM: Probably will be furnished by Mudco or IMC.

Interval	Type Mud	Weight	Viscosity	Water Less
0' - 3000'	Fresh & Salt Water	9 - 10	28 - 30	NC
3000' - 3200'	Salt Mud	10 - 11	36 - 38	NC

VII. TYPICAL GEOLOGICAL TOPS FOR WELL IN SECTION 24-17S-29E:

Tops	Vertical Depth	Subsea
Queen	2275'	+1504'
Main Metex	2820'	+ 959'
San Andres	3016'	+ 763'
Lovington	3112'	+ 667'

VIII. SAMPLES:

- A. 10' Samples from 2200' to T.D. or as directed by Company Representative.

IX. CORES AND DRILL STEM TESTS:

- A. At the present time no cores or drill stem tests are planned.

X. LOGS:

- A. Proposed logging program will be a Sidewall Neutron, Gamma Ray, Caliper from 0' - 3200'.

XI. CASING AND TUBING PROGRAM:

- A. Surface: 8-5/8" 20# range 2 casing to be set approximately 500' and cemented with 100 sacks Class "C" cement with 2% CaCl.
- B. Production: 5-1/2" K-55 15.5# casing ST&C run to 3200'. Cementing of production casing will be mostly Class "H" cement with 1/4# flocl, 3/4 of 1% CFR-2, 5# salt, 10# sand per sack.

XII. SAFETY PROGRAM:

Blowout preventers will be used as well as close observation by company personnel to assure the well is safely drilled.

XIII. THIRD PARTY SERVICES:

Surveying:	Jones & Company and John West Engineering
Dirtwork:	Jabo Rowland and Sweatt Construction
Cementing:	Halliburton & B.J.
Logging:	Dresser Atlas
Drilling Mud:	Mudco and IMC
Water Trucking:	I & W and Caprock

SURFACE USE PLAN
GENERAL AMERICAN OIL COMPANY OF TEXAS, WELL: NUNLEE #8
LEASE: NM-12764 EDDY COUNTY, NEW MEXICO

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The subject well is located approximately 5 miles North of Loco Hills New Mexico on County Road 139 and 1 mile East. The following is a discussion of pertinent information concerning possible effect, which the proposed drilling of the well may have on the environment of the well and road sites and surrounding acreage. A copy will be posted on the derrick floor so that all contractors and sub-contractors will be aware of all items of this plan.

1. AERIAL ROAD MAP - Exhibit "A" is a portion of the Artesia Quadrangle Map #106 and Maljamar Quadrangle Map #107 showing well site in relation to U. S. Highway 82. Access road, which is shown on Exhibit "B" exits 5 miles North of Loco Hills, New Mexico off of County Road 139.
2. LOCATION OF EXISTING WELLS - The location of existing wells in the immediate area of the proposed well is shown on Exhibit "B".
3. PROPOSED WELL MAT AND IMMEDIATE AREA - Refer to Exhibit "C" for direction orientation and road access.
 - a. MAP SIZE - 140' x 180'.
 - b. SURFACED - Will be topped with 6" of caliche, bladed, watered, and compacted. Caliche to be purchased from B.L.M. by dirt contractor.
 - c. RESERVE PIT - 60' x 70' pit unlined, joining mat to North.
 - d. CUT & FILL - Location is basically flat except for small sand dunes. No fill will be needed except existing sand dunes leveled and topped with caliche.
 - e. DRILL SITE LAYOUT - Exhibit "C" shows the location and layout including position of the Rig, Mud Tanks, Reserve Pits, Pipe Racks, etc. The Rig will be erected with the V-Door to the East.
 - f. SETTING AND ENVIRONMENT
 - (1) Terrain - Low rolling sand hills.
 - (2) Soil - Sandy Soil.
 - (3) Vegetation - Sparse vegetation, being mostly mesquite, shennery, weeds, and other semi-desert plants with some grass.
 - (4) Surface Use - Grazing.
 - (5) Other - Drillsite - which is in sandy semi-arid desert country, is in a low environmental risk area. The total effect of drilling and producing this and other wells in this area would be very minimal.
 - g. DISTANCES TO:
 - (1) Ponds and Streams - There are no surface waters within 3/4 mile.
 - (2) Water Wells - There are no water wells within 1/2 mile.
 - (3) Residences and Building - There are no residences or buildings within 1/2 mile.
 - (4) Arroyos, Canyons, Hills, etc. - Outside of small sand dunes there are no surface features.
 - h. WELL SIGN - Sign identifying and locating proposed well will be maintained at the drill site commencing with the spudding of the well.
 - i. OPEN PITS - All pits containing mud or other liquids will be guarded.

4. ROADS

- a. EXISTING ROADS - All existing roads within the immediate area of well site are shown on Exhibit "B".
- b. PLANNED ROADS - Planned access road will require less than 800 feet of new road that is 12 feet wide. The road will be surfaced with caliche. The proposed road is colored blue and a suggested route to the location is colored red on Exhibit "B". Little improvement will be required on existing access road.
- c. FENCES, GATES AND CATTLE GUARDS - Will be maintained as General American already operates several hundred wells in the immediate area.

5. TANK BATTERY - If production is encountered battery will be built on edge of pad.

6. LEASE PIPELINES

- a. EXISTING - All existing pipelines are shown on Exhibit "B".
- b. PLANNED - If production is encountered, tank battery will be constructed on the East edge of pad.

7. WASTE DISPOSAL - Barrel trash containers will be in accessible locations within the drill site area during drilling and completion operations. A waste disposal pit will be deep enough to handle waste and will be covered with a minimum of 2 feet of top soil. See Exhibit "C" for pit location. If well is productive, maintenance waste will be placed in special trash cans and hauled away periodically. Any produced water will be disposed of through the currently existing S.W.D. system.

8. WATER SUPPLY - Water supply to drill this well will be furnished by trucking.

9. ARCHAEOLOGICAL RESOURCES - None were observed.

10. RESTORATION OF SURFACE - If well is productive, pits will be backfilled and leveled as soon as practical. Upon final abandonment of well, well site will be leveled and cleaned, with land returned as near as possible to original condition.

11. OPERATOR'S REPRESENTATIVES - Field personnel who can be contacted concerning compliance of this surface use plan are as follows:

DRILLING AND PRODUCTION

Lendell Hawkins
P. O. Box 416
Loco Hills, New Mexico 88255
Office Phone: 505 677-2481
Home Phone: 505 677-2277

OR

Fred Starkey
P. O. Box 416
Loco Hills, New Mexico 88255
Office Phone: 505 677-2481
Home Phone: 505 746-9397

12. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions as they actually exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the proposed work performed by General American Oil Company and its Contractors and Sub-Contractors will conform to this plan.

2-9-77
DATE

Lendell Hawkins
Lendell Hawkins District Engineer

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22

23

T. 16S. - R. 30E.

YATES PET.

GENERAL AMERICAN
HPB 12764
NUNLEELEDBETTER et al
12129

MARK PROD.

LEDBETTER

FED #1

PROPOSED
WELL 270

HEARD

LEDBETTER 12129

GENERAL AMERICAN
12764

LEDBETTER

THOMPSON

NUNLEE

HEARD

HANSON OIL

SQUARE
LAKE
#1

MARK PROD.

JAMES FEDERAL

THOMPSON NEWMONT

NEWMONT SIR

NEWMONT SIR

33

34

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EXHIBIT "B"

GENERAL AMERICAN OIL COMPANY OF TEXAS

NUNLEE # 8 (SECTION 27- TOWNSHIP 16SOUTH- RANGE 30 EAST) EDDY COUNTY, NEW MEXICO

• OIL WELL

— EXISTING ROADS

- - - EXISTING FLOWLINES

NEW PROPOSED ROADS (APPX. 800')

NEW PROPOSED FLOWLINES (NONE, TANK BATTERY WILL BE CONSTRUCTED ON EAST EDGE OF PAD)

— SUGGESTED ROUTE TO LOCATION IS: GO EAST OF ARTESIA, NEW MEXICO ON HI-WAY U.S. 82 to LOCO HILLS. TURN NORTH ON COUNTY ROAD 139 AND GO APPX. 5 MILES. TURN EAST ON DIRT ROAD. GO EAST FOR APPX. 1.2 MILES. LOCATION WILL BE APPX. 800' NORTH.



SCALE: 1" = 100'

