

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

Texaco Inc. c/o D. T. McCreary

3. ADDRESS OF OPERATOR

P. O. Box 3109, Midland, Texas 79702

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

At surface

1980 FNL & 1980 FEL, Sec. 5, T-21-S, R-32-E

At proposed prod. zone

Same

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

31 Miles west of Eunice, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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

703'

16. NO. OF ACRES IN LEASE

80

17. NO. OF ACRES ASSIGNED

TO THIS WELL

324.96

18. DISTANCE FROM PROPOSED LOCATION*

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

3181'

19. PROPOSED DEPTH

13,665

20. ROTARY OR CABLE TOOLS

Rotary

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

3152 Gr.

22. APPROX. DATE WHEN WELL START*

Aug. 15, 1979

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8" New	48 H-40	600'	* 626 Sx. (200% to Circulate)
11"	8-5/8" New	24-32 K55		
		& S80	5700'	**2050 Sx. (200% to Circulate)
7-7/8"	4-1/2" New	13.5 N-80	13665'	***2875 Sx. (200% to 150% to Circulate)
		SS-95		

* 626 Sx. Class "C" W/2% CaCl₂

** 1850 Sx. LW @ 12.8 PPG W/15 lb. Salt/Sx, 1/4 lb. Flocele & 5 lb. Gilsonite/Sx., followed by 200 Sx. Class "C" W/1/4 lb. flocele and friction reducer and water loss additives.

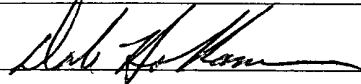
*** Stage I - 700 Sx. LW Cmt(12.8 PPG) W/1/4 lb. flocele/sx., followed by 475 sx. Class "H" W/1/4 lb. flocele/sx. & FR & WL additives.

Stage II - 1700 Sx. LW (12.8 PPG) W/1/4 lb. flocele and 5 lb. salt/sx.

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



TITLE

Ass't. Div. Engineer

DATE

July 12, 1979

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

3. Surface Formation: Quarternary Alluvium

7. FORMATION TOPS

<u>Depth</u>	<u>Formation</u>	<u>Oil</u>	<u>Gas</u>	<u>Water</u>	<u>Minerals</u>
0					
100'	Ogallala			X	
1500'	Rustler			X	
3375'	Yates	X			
8370'	Bone Springs	X			
11565'	Wolfcamp	X			
12355'	Strawn	X			
12505'	Atoka		X		
13275'	Morrow Clastics		X		
13455'	Morrow FGIS II Sd		X		
13515'	Morrow FGIS I				

10. Blowout Preventer (see Exhibit "A") will be installed after surface pipe is set at 600 feet. Testing frequency every 8 hours.

11. MUD PROGRAM

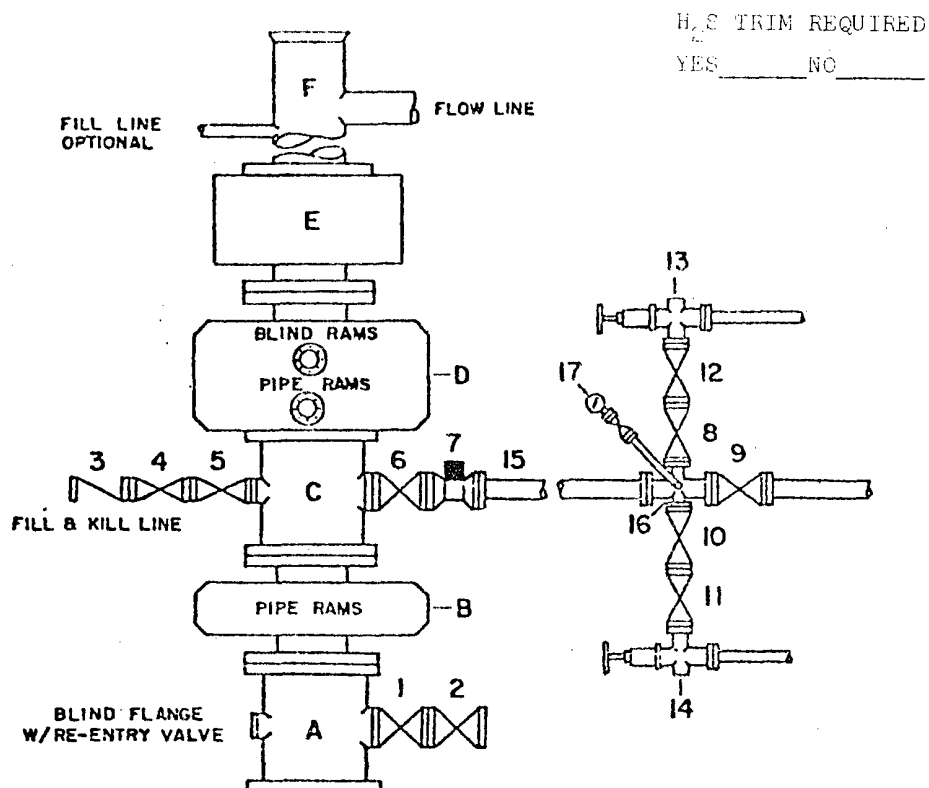
<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>
0 - 600'	Spud Mud	6.6 - 9.0	32-34
600-5700'	Brine	10.0	28-30
5700-11000'	Fresh Water	8.4 - 10.0	28-30
11000 - TD	Gelled-Water	10.0 - 11.5	32-38

12. This well will test the Morrow FGIS II and Morrow FGIS I. A combination Gamma Ray-Neutron-Density and Dual Induction Lateral Log will be run.

13. No abnormal pressures or temperatures or hazardous gases are anticipated to be encountered in this well.

14. Anticipated starting date will be August 15, 1979.

DRILLING CONTROL CONDITION IV-5000 PSI WP



H₂S TRIM REQUIRED
YES _____ NO _____

DRILLING CONTROL

MATERIAL LIST - CONDITION IV

- A Texaco Wellhead
- B 5000# Single Ram type preventer, hydraulic operated with 1" steel, 5000# W.P. control lines
- C 5000# W.P. Drilling Spool with a minimum 2" flanged outlet for kill line and 3" minimum flanged outlet for choke line.
- D 5000# W.P. Dual Ram Type preventer, hydraulic operated with 1" steel, 5000# W.P. control lines
- E 5000# W.P. Annular Preventer, hydraulic operated with 1" steel, 3000# W.P. control lines
- F Bell Nipple with flowline and fill-up outlets (kill line may also be used for fill-up line).
- 1,2,4,5, 2" minimum 5000# W.P. flanged full opening steel gate valve or Halliburton Lo Torc plug valve
- 8,10,11, 12
- 3 2" minimum 5000# W.P. back pressure valve
- 6,9 3" minimum 5000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve
- 7 3" minimum 5000# W.P. flanged hydraulic valve
- 15 3" minimum Schedule 160, Grade B, seamless line pipe
- 16 2" minimum x 3" minimum 5000# W.P. flanged cross
- 13,14 2" minimum 5000# W.P. adjustable chokes with carbide trim
- 17 Cameron Mud Gauge or equivalent (location in choke line optional.)



TEXACO, INC.
PRODUCING DEPARTMENT-U.S. (CENT.)
MIDLAND, TEXAS



SCALE:	DATE	EST. NO.	DRG. NO.
DRAWN BY			
CHECKED BY			
APPROVED BY			

EXHIBIT A

ATTACHMENT TO EXHIBITS "A" THRU "J"

1. Use of double blowout preventers is optional to using two single flanged BOPs provided either upper or lower sets of rams may be changed without opening doors on the other compartment. Flanged side outlets of blowout preventers may be utilized in lieu of drilling spools.
2. All BOP units will be hydraulically operated. Ram type preventers must be equipped with stem extensions, universal joints (if needed) and operating wheels. Steel piping to be utilized in hydraulic lines.
3. The contractor will furnish all valves and piping as indicated on the attached sketch for the BOP stack, manifolding and blow off lines except for valves on the casinghead. Valves employed must be acceptable to Texaco as to make and type. Valve and pipe sizes shown must be indicated size or larger.
4. The choke manifold and lines to pits must be supported and anchored adequately. Sufficient working room must be provided for operating the adjustable chokes and valves.
5. The choke manifold must be connected to valves on the BOP stack by conventional flanged piping.
6. Extra sets of rams must be available on location for each size of drill pipe used in the hole.
7. *Minimum operating equipment for the preventers is:
 - (a) an air operated pump,
 - (b) an accumulator or accumulators equipped to obtain a fluid charge of sufficient volume to close all the hydraulically operated units at the same time with 25 percent reserve, and,
 - (c) separate pressurized gas system sufficient to charge the accumulators to the closing pressure of the units one time.
8. *A kelly cock with the pressure rating specified for other BOP equipment on the well must be included in the drill string below the kelly.

SCALE:	DATE	EST. NO.	DRG. NO.
DRAWN BY			
CHECKED BY			
APPROVED BY			



TEXACO, INC.
PRODUCING DEPARTMENT-U.S. (CENT.)
MIDLAND, TEXAS



EXHIBIT "B"

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 Texaco Inc.		Lease C. A. Loomis-Federal		Well No. 1
Unit Letter G	Section 5	Township T-21-S	Range R-32-E	County Lea
Actual Footage Location of Well: 1980 feet from the FN line and 1980 feet from the FE line				
Ground Level Elev. 3652	Producing Formation Morrow FGIS I & II	Pool South Salt Lake -	Morrow Gas	Dedicated Acreage: 324.96 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 Unitization

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.

Lot 4	Lot 3	Lot 2	Lot 1
Lot 5	Lot 6	Lot 7	Lot 8
Lot 12	Lot 11	Lot 10	Lot 9
Lot 13	Lot 14	Lot 15	Lot 16

1980'
703'

1980'

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

CERTIFICATION

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

B. L. Eiland
Name

B. L. Eiland

Position
Division Surveyor

Company
Texaco Inc.

Date
July 13, 1979

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.

July 6, 1979

Date Surveyed
B. L. Eiland
Registered Professional Engineer
and/or Land Surveyor

B. L. EILAND

Certificate No.
4386