

P.O. BOX 1920
HOBBS, NEW MEXICO

CONTACT READING
OF COPIES REQUIRED
(Other instructions on reverse side)

30-025-32089
BLM Roswell District
Modified Form No.
NMO60-3160-2

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 EXPLORATION AND PRODUCTION INC.

3a. AREA CODE & PHONE NO.
 915-688-4620

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
 1450' FNL, 2300' FEL, UNIT LETTER G, SW/NE
 At proposed prod. zone
 SAME

5. LEASE DESIGNATION AND SERIAL NO.
 LC-067968

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
 WEST DOLLARHIDE DRINKARD

8. FARM OR LEASE NAME

9. WELL NO.
 135

10. FIELD AND POOL, OR WILDCAT
 DOLLARHIDE TUBB DRINKARD

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 SEC. 30, T-24-S, R-38-E

12. COUNTY OR PARISH
 LEA

13. STATE
 NM

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
 7 MILES NORTHEAST OF JAL, NM.

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
 1680'

16. NO. OF ACRES IN LEASE
 8539.62

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

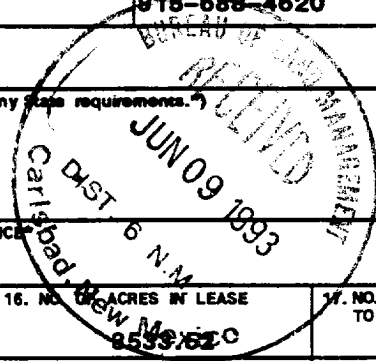
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 925'

19. PROPOSED DEPTH
 7600'

20. ROTARY OR CABLE TOOLS
 ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, ETC.)
 GR-3158'

22. APPROX. DATE WORK WILL START*
 07-5-93



23. PROPOSED CASING AND CEMENTING PROGRAM

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
20	1R	65#	H-40	PE	40'	REDIMIX
14 3/4	11 3/4	42#	WC-40	ST&C	1210'	700 SX
* 11	8 5/8	32#	WC-50 & S-80	LT&C	4200'	1350 SX
7 7/8	5 1/2	17# & 15.5#	WC-50 & L-80	LT&C	7600'	900 SX

* INTERMEDIATE CASING WILL NOT BE SET IF NO WATER FLOW IS ENCOUNTERED AND PRODUCTION CEMENT WILL BE ADJUSTED.

CEMENT PROGRAM: CONDUCTOR - REDIMIX
 SURFACE CSG - 500 SX CLASS C w/ 4% GEL, 2% CaCl2 (13.5ppg, 1.74cf/s, 9.1gw/s). F/B 200 SX CLASS C w/ 2% CaCl2 (14.8ppg, 1.32cf/s, 6.3gw/s).
 INTERMEDIATE CSG - 950 SX 35/65 POZ CLASS H w/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8ppg, 1.94cf/s, 10.4gw/s). F/B 400 SX CLASS H w/ 2% CaCl2 (15.6ppg, 1.19cf/s, 5.2gw/s).
 PRODUCTION CSG - 400 SX 35/65 POZ CLASS H w/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8ppg, 1.94cf/s, 10.4gw/s). (SACKS WILL BE INCREASED TO 2340 IF INTERMEDIATE CSG IS NOT SET.) F/B 500 SACKS CLASS H (15.6ppg, 1.18cf/s, 5.2gw/s).

OXY OPERATES A WELL IN THE 1/4 1/4 SECTION AND HAS BEEN FURNISHED A COPY OF THIS APPLICATION. UNORTHODOX LOCATION - EXCEPTION HAS BEEN REQUESTED. (COPY ATTACHED).

LOCATION WAS MOVED 100' EAST OF THE 'NOTICE OF STAKING' LOCATION AT THE REQUEST OF THE BLM.

24. 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.

SIGNED C.P. Basham/cwb TITLE DRILLING OPERATIONS MANAGER DATE 06-07-93

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY Ben Dunton TITLE AREA MANAGER DATE JUL 1 - 1993

CONDITIONS OF APPROVAL, IF ANY: WELL LOCATION IS: **Subject to Like Approval By State** **Approval Subject to General Requirements and Special Stipulations Attached**

*See Instructions On Reverse Side

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JUN 05 1993

1993

Submit to Appropriate District Office
 State Leases - 4 copies
 Fee Leases - 3 copies

State of New Mexico
 Energy, Minerals and Natural Resources Department

Form C-102
 Revised 1-1-89

OIL CONSERVATION DIVISION
 P.O. Box 2088
 Santa Fe, New Mexico 87504-2088

DISTRICT I
 P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
 P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
 1000 Rio Arriba Rd., Artesia, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT
 All Distances must be from the outer boundaries of the section

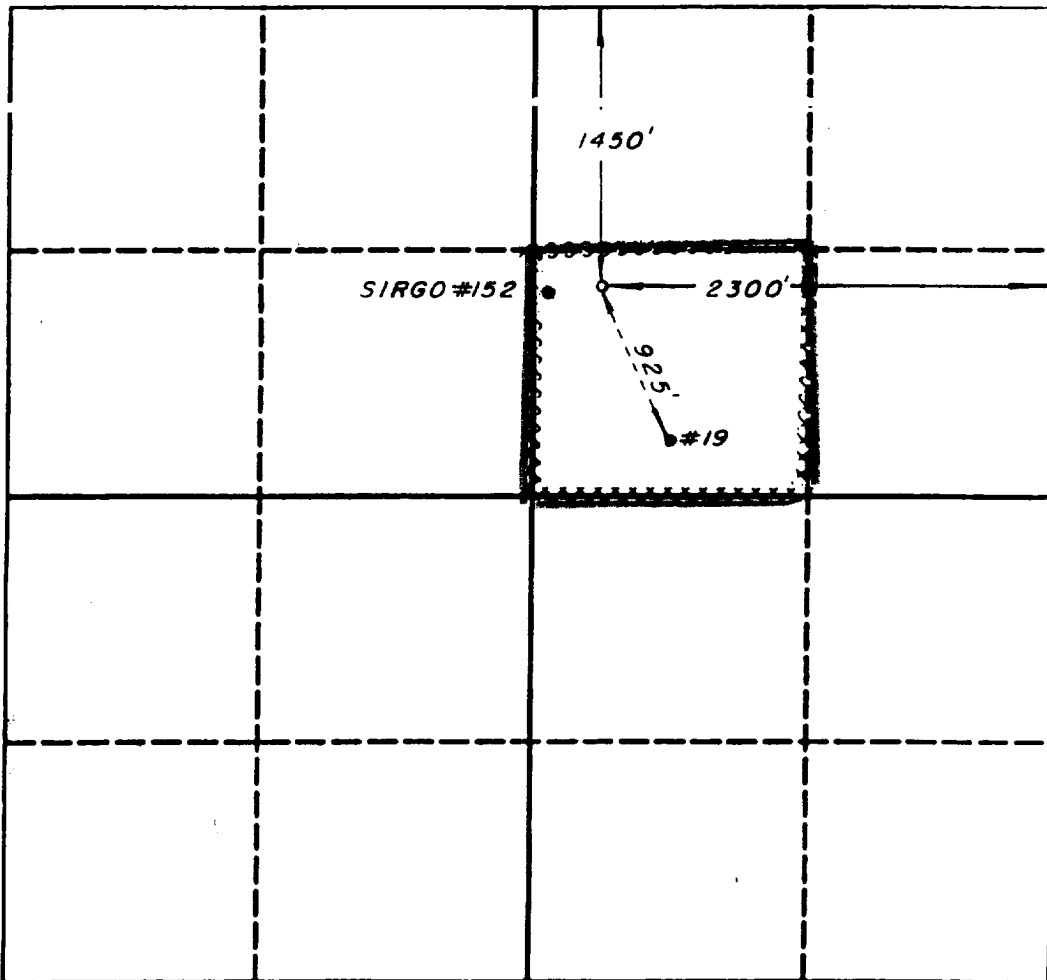
Operator TEXACO EXPLORATION & PRODUCTION INC.			Lease WEST DOLLARHIDE DRINKARD UNIT			Well No. 135		
Unit Letter G	Section 30	Township 24 SOUTH	Range 38 EAST	County NMPM LEA				
Actual Footage Location of Well: 1450 feet from the NORTH line and 2300 feet from the EAST line								
Ground level Elev. 3158'	Producing Formation (ABO & DRINKARD) TUBB DRINKARD			Pool DOLLARHIDE TUBB-DRINKARD		Dedicated Acreage: 40 Acres		

- Outline the acreage dedicated to the subject well by colored pencil or inkline 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 interest 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, force-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



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

Signature: *R.D. Mariott*
 Printed Name: R. D. MARIOTT

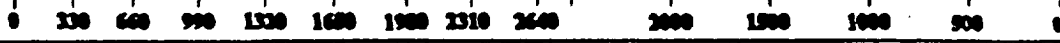
Position: DIVISION SURVEYOR
 Company: TEXACO EXPLORATION & PRODUCTION INC.

Date: JUNE 3, 1993

SURVEYOR CERTIFICATION
 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: JUNE 3, 1993
 Signature & Seal of Professional Surveyor: *Paul S. Steyer*

Certificate No. 4882



MSL-3255

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CCD HUNTON
JAN 1993

DRILLING PROGRAM

WEST DOLLARHIDE DRINKARD UNIT No. 135

SURFACE DESCRIPTION:

The land surface in the area of the well site is practically level. Drainage is to the southeast. The top soil is sand. Vegetation consists mainly of shinnery oak, weeds, and range grasses.

FORMATION TOPS: Estimated KB Elevation: 3168'

<u>Formation</u>	<u>Depth</u>	<u>Lithology</u>	<u>Fluid Content</u>
Rustler	1210'	Anhy	----
Yates	2730'	Anhy, Dolo	----
Queen	3680'	Sandstone	Oil/Gas/Wtr
Glorieta	5230'	Sandstone, Dolo	----
Tubb	6140'	Sandstone, Dolo	Oil/Gas/Wtr
Drinkard	6590'	Limestone, Dolo	Oil/Gas/Wtr
Abo	6725'	Limestone, Dolo	Oil/Gas/Wtr

The base of the salt section is at 2600'. No abnormal pressures or temperatures are anticipated to be encountered in this well. H₂S is present in the Queen and Drinkard. H₂S RADIUS OF EXPOSURE: 100ppm = 24', 500ppm = 11', based on 1.000ppm H₂S and 100 MCF (see attached H₂S Drilling Operations Plan. H₂S equipment to be operational prior to drilling out Surface Casing Shoe.)

PRESSURE CONTROL EQUIPMENT:

A 3000 psi Dual Ram type preventer with rotating head will be used. (See Exhibit C). It will be installed after surface casing is set. BOP will be tested each time it is installed on a casing string and at least every 29 days, and operated at least once each 24-hour period during drilling.

CASING AND CEMENT PROGRAM:

The casing and cementing programs are detailed on Form 3160-3. All casing will be new. Intermediate casing will not be set if no water flow is encountered and production cement will be adjusted.

Centralizer Program:

Surface Casing - Centralize the bottom 3 joints and every 4th to surface.

Intermediate Casing - Centralize the bottom 3 jts and every other jt from 4200' to 3600'

Production Casing - Centralize every other joint on bottom 1500'.

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West Dollarhide Drinkard Unit No. 135

MUD PROGRAM:

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>
0'-1210'	Fresh Water	8.4	28
1210'-4200'	Brine	10.0	29
4200'-7600'	Brine	10.0	29

LOGGING, TESTING:

GR-CNL-LDT, GR-DLL-MSFL, and GR-BHC-Sonic surveys will be run.

No Mud Logging Unit will be used.

No drill stem tests will be conducted.

No cores will be taken.

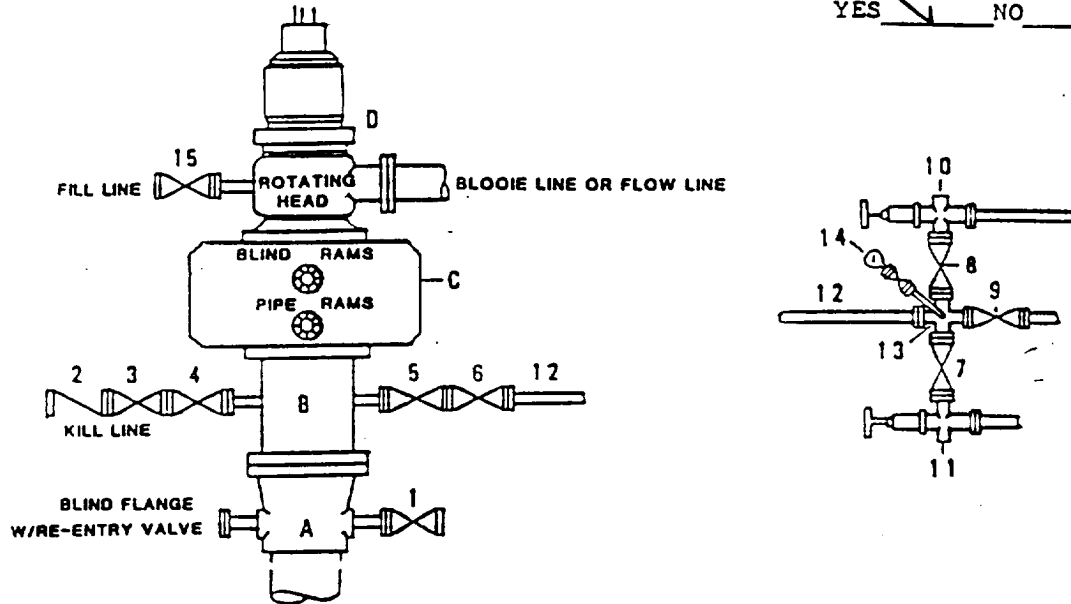
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W. ROSS
OFFICE

**DRILLING CONTROL
CONDITION II-B 3000 WP
FOR AIR DRILLING OR
WHERE NITROGEN OR AIR BLOWS ARE EXPECTED**

H₂S TRIM REQUIRED
YES NO



DRILLING CONTROL

MATERIAL LIST - CONDITION II - B

- | | |
|----------------|---|
| A | Texaco Wellhead |
| B | 3000# W.P. drilling spool with a 2" minimum flanged outlet for kill line and 3" minimum flanged outlet for choke line. |
| C | 3000# W.P. Dual ram type preventer, hydraulic operated with 1" steel, 3000# W.P. control lines (where sub-structure height is adequate, 2 - 3000# W.P. single ram type preventers may be utilized). |
| D | Rotating Head with fill up outlet and extended Bloeie Line. |
| 1,3,4,
7,8. | 2" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve. |
| 2 | 2" minimum 3000# W.P. back pressure valve. |
| 5,6,9 | 3" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve. |
| 12 | 3" minimum schedule 80, Grade "B", seamless line pipe. |
| 13 | 2" minimum x 3" minimum 3000# W.P. flanged cross. |
| 10,11 | 2" minimum 3000# W.P. adjustable choke bodies. |
| 14 | Cameron Mud Gauge or equivalent (location optional in choke line). |
| 15 | 2" minimum 3000# W.P. flanged or threaded full opening steel gate valve, or Halliburton Lo Torc Plug valve. |



TEXACO, INC.
WILCOX DIVISION
WILCOX, TEXAS



SCALE	DATE	EST NO	ORG. NO
DRAWN BY			
CHECKED BY			
APPROVED BY			

EXHIBIT C

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SERVICES