

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONTACT RECEIVING
P.O. BOX 30240
HOBBS, NEW MEXICO 88240
BLM Roswell District
Modified Form No.
B4080-3160-2
3D-225-32001

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-067968	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR TEXACO EXPLORATION AND PRODUCTION INC.		7. UNIT AGREEMENT NAME WEST DOLLARHIDE DRINKARD Unit	
3. ADDRESS OF OPERATOR P. O. Box 3109, Midland, Texas 79702		8. FARM OR LEASE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1700' FNL, 1300' FEL, UNIT LETTER H, SE/NE At proposed prod. zone SAME		9. WELL NO. 134	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 7 MILES NORTHEAST OF JAL, NM.		10. FIELD AND POOL, OR WILDCAT DOLLARHIDE TUBB DRINKARD	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any) 2621'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 30, T-24-S, R-38-E	
16. NO. OF ACRES IN LEASE 3533.62		12. COUNTY OR PARISH LEA	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE NM	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 788'		20. ROTARY OR CABLE TOOLS ROTARY	
21. ELEVATIONS (Show whether DF, RT, GR, ETC.) GR-3165'		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	16	65#	H-40	PE	40'	REDI-MIX
14 3/4	11 3/4	44#	WC-40	ST&C	1240'	1350 SX
* 11	8 5/8	32#	WC-50 & S-80	LT&C	4200'	900 SX
7 7/8	5 1/2	17# & 15.5#	WC-50 & L-80	LT&C	7600'	

* 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).

Approval Subject to
General Requirements and
Special Regulations
Attached

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

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY Ron Dunton TITLE AREA MANAGER DATE _____

CONDITIONS OF APPROVAL, IF ANY: Well Location

is: Subject to
Like Approval
By State

*See Instructions On Reverse Side

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OCU HOBBS
OFFICE

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

State of New Mexico
Agry. Minerals and Natural Resources Depart.

Form C-103
Revised 1-1-89

OIL CONSERVATION DIVISION

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

DISTRICT I
P.O. Box 1960, Hobbs, NM 88240

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

DISTRICT III
1000 Rio Grande Rd., Aztec, 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. 134
Unit Letter H	Section 30	Township 24 SOUTH	Range 38 EAST	County LEA
Actual Footage Location of Well: 1700 feet from the NORTH line and 1300 feet from the EAST line				
Ground level Elev. 3165'	Producing Formation (ABO & DRINKARD) TUBB DRINKARD DRINKARD		Foot DOLLARHIDE TUBB-DRINKARD	Dedicated Acreage 40 Acres
<p>1. Outline the acreage dedicated to the subject well by colored pencil or ink on the plat below.</p> <p>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).</p> <p>3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by commutation, unitization, forced-pooling, etc.? <input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes" type of consolidation: _____ If answer is "no" list the owners and trust 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 commutation, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.</p>				
				<p>OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature: <i>R.D. Mariott</i> Printed Name: R. D. MARIOTT Position: DIVISION SURVEYOR Company: TEXACO EXPLORATION & PRODUCTION INC. Date: May 19, 1993</p> <p>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.</p> <p>Date Surveyed: May 19, 1993 Signature & Seal of Professional Surveyor: <i>[Signature]</i> Certificate No.: 4882</p>

NSL-3255

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DEPT 5

DRILLING PROGRAM

WEST DOLLARHIDE DRINKARD UNIT No. 134

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: 3175'

<u>Formation</u>	<u>Depth</u>	<u>Lithology</u>	<u>Fluid Content</u>
Rustler	1240'	Anhy	----
Yates	2755'	Anhy, Dolo	----
Queen	3680'	Sandstone	Oil/Gas/Wtr
Glorieta	5240'	Sandstone, Dolo	----
Tubb	6160'	Sandstone, Dolo	Oil/Gas/Wtr
Drinkard	6550'	Limestone, Dolo	Oil/Gas/Wtr
Abo	6730'	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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CCD HUBBARD
OFFICE

West Dollarhide Drinkard Unit No. 134

MUD PROGRAM:

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>
0'-1240'	Fresh Water	8.4	28
1240'-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.

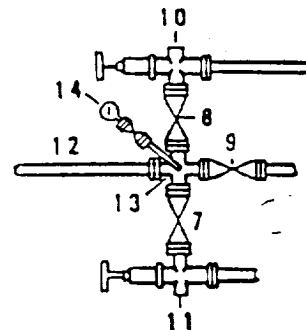
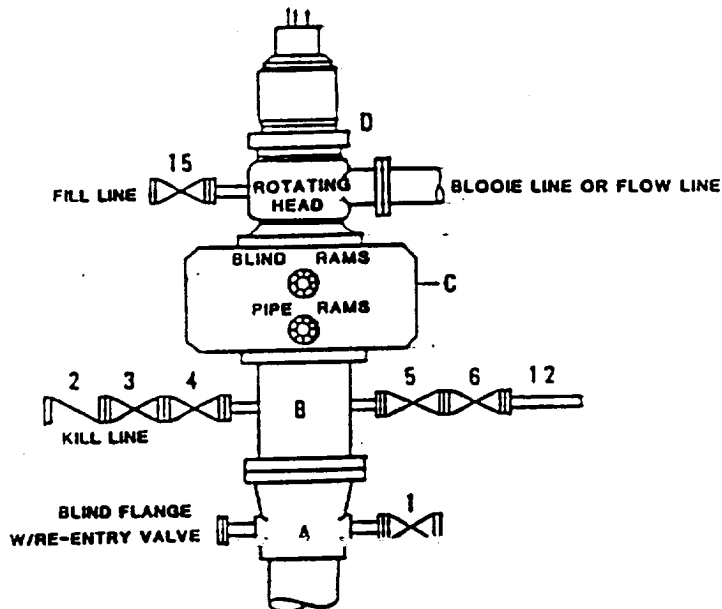
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**DRILLING CONTROL
CONDITION II-B 3000 WP
FOR AIR DRILLING OR
WHERE NITROGEN OR AIR BLOWS ARE EXPECTED**

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 Blooie 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.
MIDLAND DIVISION
MIDLAND, TEXAS



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

EXHIBIT C

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2-5-93
11-1-93