

NM OIL COMMISSION  
DRAWER D  
ARTESIA, NEW MEXICO  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CONTACT RE-ENTER  
OFFICE FOR NUMBER  
OF COPIES REQUIRED  
(Other instructions on  
reverse side)

30-015-28140  
BLM Roswell District  
Modified Form No.  
NM060-3160-2

01/5/94

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

WILDCAT

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

TEXACO EXPLORATION AND PRODUCTION INC.

3a. AREA CODE & PHONE NO.

(915) 688-4606

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

1650' FSL & 2310' FWL, UNIT LETTER: K

At proposed prod. zone

SAME

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

5.5 MILES SOUTHEAST OF LOCO HILLS, NEW MEXICO

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

1650'

16. NO. OF ACRES IN LEASE

1920

17. NO. OF ACRES ASSIGNED TO THIS WELL

320/40

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

477' TO P&A

19. PROPOSED DEPTH

12,100'

20. ROTARY OR CABLE TOOLS

ROTARY

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

GR-3771'

22. APPROX. DATE WORK WILL START\*

NOVEMBER 1, 1994

23. PROPOSED CASING AND CEMENTING PROGRAM

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
20	16	65#	WC-40	PE	40'	REDIMIX
14 3/4	11 3/4	42#	WC-40	ST&C	600' CIRCULATE	420 SACKS
11	8 5/8	32#	J-55	LT&C	5100' STIPS	1710 SACKS
7 7/8	5 1/2	17#	L-80 & SS-95	LT&C	12100'	1380 SACKS

\*FIELDS: UNDESIGNATED MORROW & ATOKA; SHUGART, NORTH - BONE SPRING

CEMENTING PROGRAM: CONDUCTOR - REDIMIX.

SURFACE CASING - 290 SACKS CLASS C w/ 4% GEL & 2% CaCl<sub>2</sub> (13.5ppg, 1.74f3/s, 9.1gw/s). F/B 130 SACKS CLASS C w/ 2% CaCl<sub>2</sub> (14.8ppg, 1.34f3/s, 6.3gw/s).

INTERMEDIATE CASING - 1150 SACKS 35/65 POZ CLASS H w/ 6% GEL, 5% SALT & 1/4# FLOCELE (12.4ppg, 2.14f3/s, 11.9gw/s). F/B 560 SACKS CLASS H w/ 2% CaCl<sub>2</sub> (15.6ppg, 1.18f3/s, 5.2gw/s).

PRODUCTION CASING - 1st STAGE: 250 SACKS 35/65 POZ CLASS H w/ 6% GEL, 5% SALT & 1/4# FLOCELE (12.4ppg, 2.14f3/s, 11.9gw/s). F/B 350 SACKS 50/50 POZ CLASS H w/ 2% GEL, 5% SALT, 1/4# FLOCELE (14.2ppg, 1.35f3/s, 6.3gw/s). DV TOOL @ 8850. 2nd STAGE: 730 SACKS 35/65 POZ CLASS H w/ 6% GEL, 5% SALT & 1/4# FLOCELE (12.4ppg, 2.14f3/s, 11.9gw/s). F/B 50 SACKS CLASS H (15.6ppg, 1.18f3/s, 5.2gw/s).

THERE ARE NO OTHER OPERATORS IN THIS QUARTER SECTION.

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 prevention program if any.

24.

SIGNED C.P. Basham / cwt TITLE DRILLING OPERATIONS MANAGER DATE 09-08-94

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY S/Scott Powers TITLE (Acting) AREA MANAGER DATE 9/28/94

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

\*See Instructions On Reverse Side

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

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

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
P. O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994

Instructions on back

OIL CONSERVATION DIVISION

PO Box 2088  
Santa Fe, NM 87504-2088

Submit to Appropriate District Office

State Lease-4 copies  
Fee Lease-3 copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-28140		2 Post Code 74605		3 Pool Name Cedar Lake, East; Undesignated MORROW	
4 Property Code		5 Property Name Dow "B" 28 Federal			6 Well Number 1
7 GRID No. 22351		8 Operator Name TEXACO EXPLORATION & PRODUCTION, INC.			9 Elevation 3771

10 Surface Location									
UL or lot no. K	Section 28	Township 17-S	Range 31-E	Lot Idn	Feet from the 1650	North/South line South	Feet from the 2310'	East/West line West	County Eddy

11 Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 320		13 Joint or infill		14 Consolidation Code		15 Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION.

	<b>16 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
	Signature <i>Royce D. Mariott</i>	
	Printed Name Royce D. Mariott	
	Position Division Surveyor	
	Company Texaco Expl. & Prod. Inc.	
	Date August 9, 1994	
	<b>17 SURVEYOR CERTIFICATION</b> 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 August 3, 1994	
	Signature & Seal of Professional Surveyor <i>John S. Piper</i>	
	Certificate No. 7254 John S. Piper	
Sheet 8 of 8		

○ = Staked Location ● = Producing Well ◆ = Injection Well ◇ = Water Supply Well ♦ = Plugged & Abandon Well  
⊙ = Found Section Corner 2 or 3" Iron Pipe & GLO B.C. ○ = Found 1/4 Section Corner, 1" Iron Pipe & GLO B.C.

DISTRICT I  
P. O. Box 1983, Hobbs, NM 88240

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

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
P. O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994

Instructions on back

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Submit to Appropriate District Office

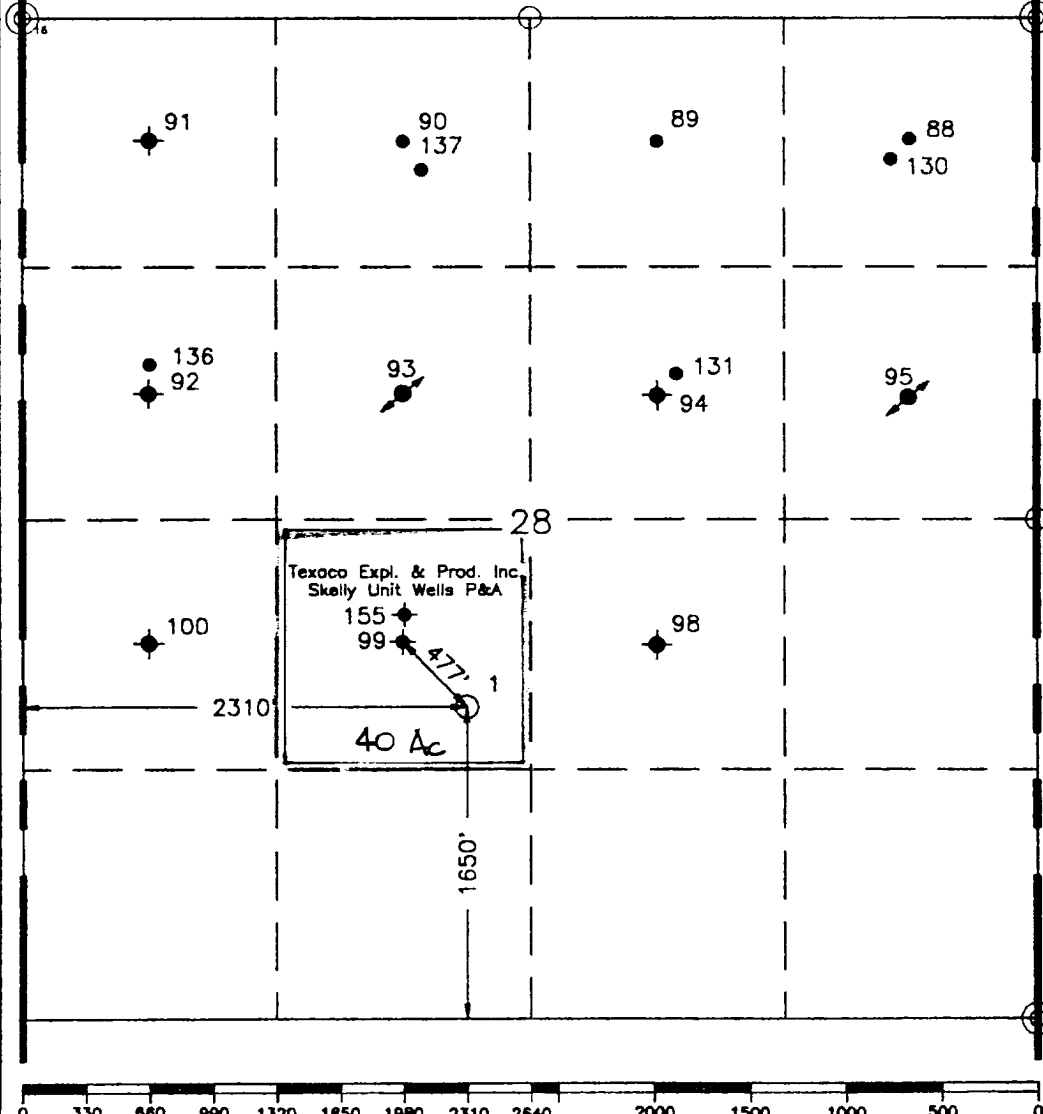
State Lease-4 copies  
Fee Lease-3 copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name Shugart, North					
4 Property Code		5 Property Name Dow "B" 28 Federal						6 Well Number 1	
7 OGRID No. 23351		8 Operator Name TEXACO EXPLORATION & PRODUCTION, INC.						9 Elevation 3771	
10 Surface Location									
UL or lot no. K	Section 28	Township 17-S	Range 31-E	Lot idn	Feet from the 1650	North/South line South	Feet from the 2310'	East/West line West	7 County Eddy
11 Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	East/West line	7 County
12 Dedicated Acres 40		13 Joint or Infill		14 Consolidation Code		15 Order No.			

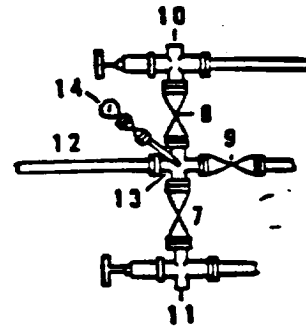
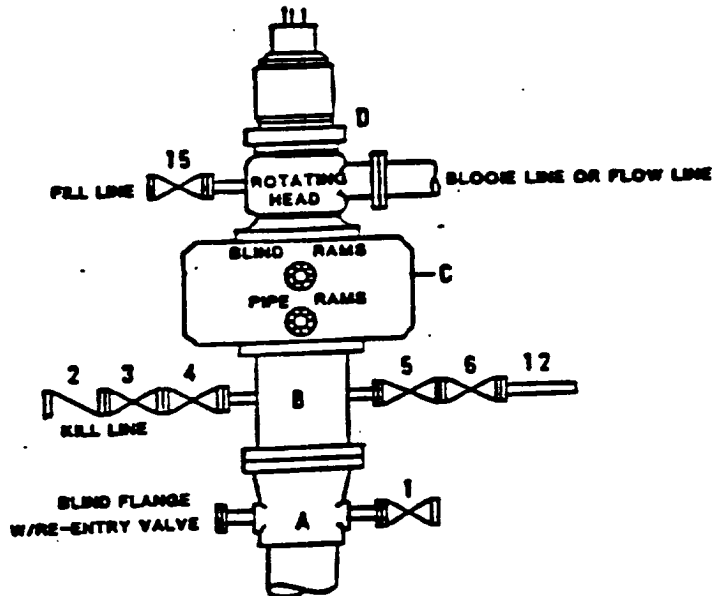
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION.

	16 OPERATOR CERTIFICATION	
	I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
	Signature <i>Royce D. Mariott</i>	
	Printed Name Royce D. Mariott	
	Position Division Surveyor	
	Company Texaco Expl. & Prod. Inc.	
	Date August 9, 1994	
	17 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 August 3, 1994	
Signature & Seal of Professional Surveyor <i>John S. Piper</i>		
Certificate No. 7254 John S. Piper		
Sheet 8 of 8		

○ = Staked Location ● = Producing Well ⬮ = Injection Well ◇ = Water Supply Well ◆ = Plugged & Abandon Well  
⊙ = Found Section Corner, 2 or 3" Iron Pipe & GLO B.C. ○ = Found 1/4 Section Corner, 1" Iron Pipe & GLO B.C.

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

H<sub>2</sub>S 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 Blossom Line.  |
| 1,3,4, 7,8, | 2" minimum 3000# W.P. flanged full opening steel gate valve, or Malliburton 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 Malliburton 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 Malliburton Lo Torc Plug valve.   |



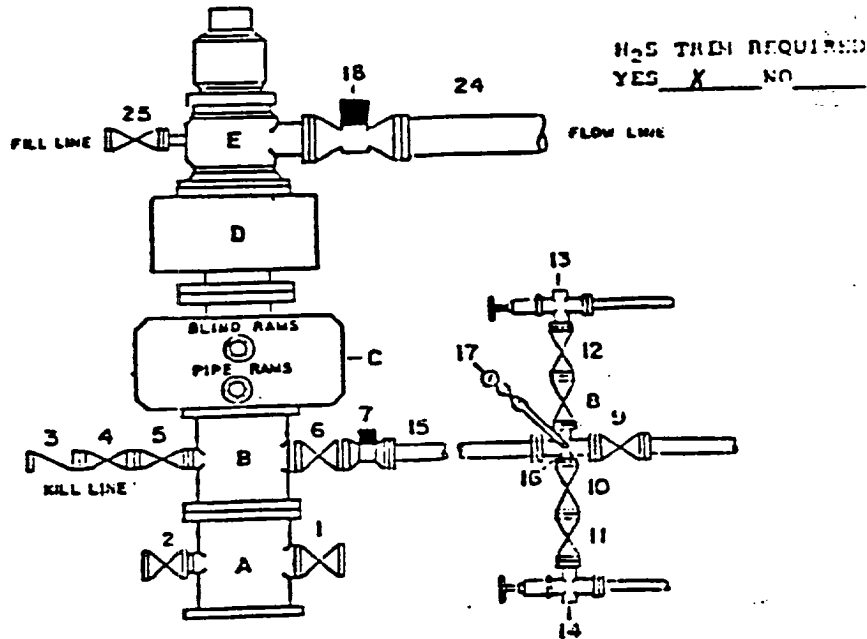
TEXACO, INC.  
MIDLAND DIVISION  
MIDLAND, TEXAS



SCALE	DATE	EST NO	DRG NO
DRAWN BY			
CHECKED BY			

EXHIBIT **III**  
**C**

# DRILLING CONTROL CONDITION IV-B-5000 PSI WP





## DRILLING CONTROL

### MATERIAL LIST - CONDITION IV - B

- A Texaco Wellhead
- B 5000: W.P. drilling spool with a minimum 2" flanged outlet for kill line and 3" minimum flanged outlet for choke line.
- C 5000: W.P. Dual ram type preventer, hydraulic operated with 1" steel, 5000: W.P. control lines.
- D 5000: W.P. Annular Preventer, hydraulic operated with 1" steel, 3000: W.P. control lines.
- E Rotating Head with fill up outlet and extended sleeve line.
- 1,2,4,5, 8,10,11, 12 2" minimum 5000: W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.
- 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" 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).
- 18 4" minimum 1000: hydraulic flanged valve.
- 24 8" minimum steel flow line.
- 25 3" minimum 3000: W.P. flanged or threaded full opening steel gate valve, or Halliburton Lo Torc Plug valve.

EXHIBIT III / IV

	<p>TEXACO, INC.</p> <p>DRILLING DIVISION</p> <p>HOUSTON, TEXAS</p>	
<p>Dow "B" -33- FEDERAL</p>		

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

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

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
P. O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994

Instructions on back

OIL CONSERVATION DIVISION

PO Box 2088  
Santa Fe, NM 87504-2088

Submit to Appropriate District Office

State Lease-4 copies  
Fee Lease-3 copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name Cedar Lake, East; Undesignated	
4 Property Code		5 Property Name Dow "B" 28 Federal			6 Well Number 1
7 OGRID No. 22351		8 Operator Name TEXACO EXPLORATION & PRODUCTION, INC.			9 Elevation 3771

10 Surface Location									
UL or lot no. K	Section 28	Township 17-S	Range 31-E	Lot Idn	Feet from the 1650	North/South line South	Feet from the 2310'	East/West line West	7 County Eddy
11 Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	7 County
12 Dedicated Acres 320		13 Joint or Infill		14 Consolidation Code		15 Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION.

	<b>16 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <i>Royce D. Mariott</i> Printed Name: Royce D. Mariott Position: Division Surveyor Company: Texaco Expl. & Prod. Inc. Date: August 9, 1994
	<b>17 SURVEYOR CERTIFICATION</b> 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: August 3, 1994 Signature & Seal of Professional Surveyor: <i>John S. Piper</i> Certificate No.: 7254 John S. Piper
	Sheet 8 of 8

○ = Staked Location ● = Producing Well ⬮ = Injection Well ◇ = Water Supply Well ◆ = Plugged & Abandon Well  
⊙ = Found Section Corner 2 or 3" Iron Pipe & G.L.O. R.C. ⊙ = Found 1/4 Section Corner 1" Iron Pipe & G.L.O. R.C.

DISTRICT I  
P. O. Box 1930, Hobbs, NM 88240

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

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
P. O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994

Instructions on back

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Submit to Appropriate District Office

State Lease-4 copies  
Fee Lease-3 copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name Shugart, North					
4 Property Code		5 Property Name Dow "B" 28 Federal						6 Well Number 1	
7 OGRID No. 23351		8 Operator Name TEXACO EXPLORATION & PRODUCTION, INC.						9 Elevation 3771	
10 Surface Location									
UL or lot no. K	Section 28	Township 17-S	Range 31-E	Lot Idn	Feet from the 1650	North/South line South	Feet from the 2310'	East/West line West	7 County Eddy
11 Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	7 County
12 Dedicated Acres 40		13 Joint or Infill		14 Consolidation Code		15 Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION.

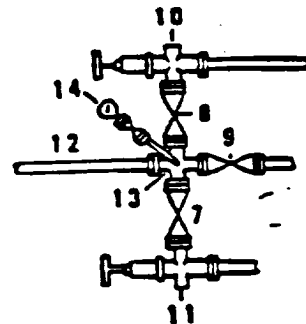
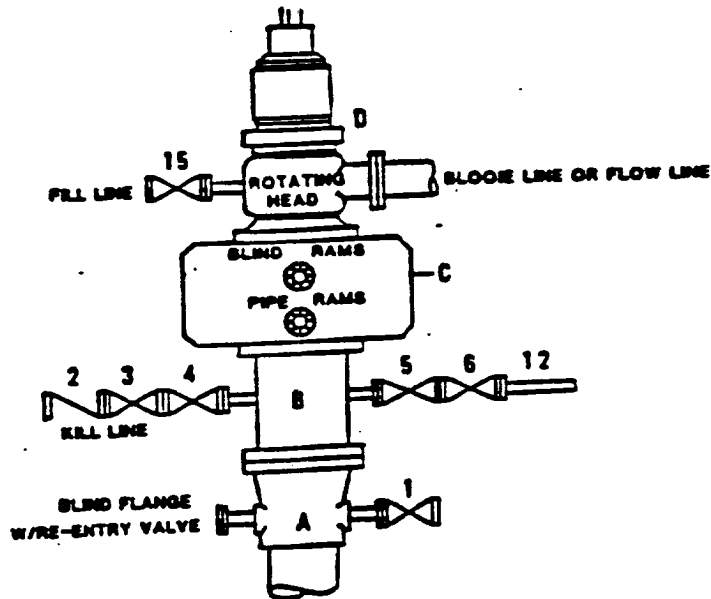
	<b>16 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
	Signature <i>Royce D. Mariott</i>	
	Printed Name Royce D. Mariott	
	Position Division Surveyor	
	Company Texaco Expl. & Prod. Inc.	
	Date August 9, 1994	
	<b>17 SURVEYOR CERTIFICATION</b> 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 August 3, 1994	
	Signature & Seal of Professional Surveyor <i>John S. Piper</i>	
	Certificate No. 7254 John S. Piper	

Sheet 8 of 8

○ = Staked Location ● = Producing Well ◆ = Injection Well ◇ = Water Supply Well ◆ = Plugged & Abandon Well  
⊙ = Found Section Corner, 2 or 3" Iron Pipe & GLO B.C. ○ = Found 1/4 Section Corner, 1" Iron Pipe & GLO B.C.

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

H<sub>2</sub>S TRIM REQUIRED  
YES ☒ NO ☐



**DRILLING CONTROL**

**MATERIAL LIST - CONDITION II - B**

- |                |   |
|----------------|---|
| A              | Taxaco 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 Bleed Line.  |
| 1,3,4,<br>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

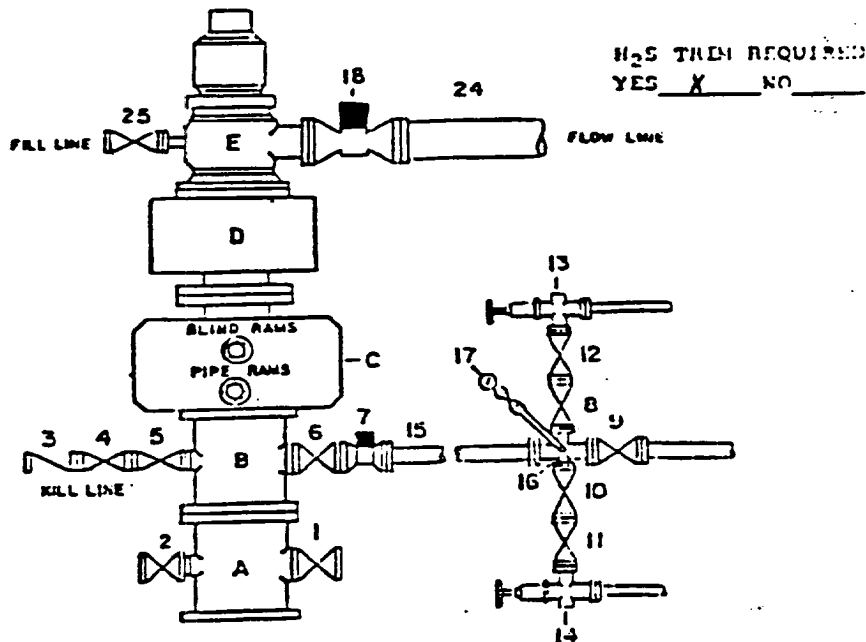


SCALE	DATE	EST. NO.	DRG. NO.
DRAWN BY			
CHECKED BY			

EXHIBIT **III**  
**C**



**DRILLING CONTROL**  
**CONDITION IV-B-5000 PSI WP**





DRILLING CONTROL

MATERIAL LIST - CONDITION IV - B

- |                      |  |
|----------------------|--|
| A                    | Texaco Wellhead  |
| B                    | 5000# W.P. drilling spool with a minimum 2" flanged outlet for kill line and 3" minimum flanged outlet for choke line. |
| C                    | 5000# W.P. Dual ram type preventer, hydraulic operated with 1" steel, 5000# W.P. control lines.                        |
| D                    | 5000# W.P. Annular preventer, hydraulic operated with 1" steel, 5000# W.P. control lines.                              |
| E                    | Rotating Head with fill up outlet and extended Blease line.  |
| 1,2,4,5, 8,10,11, 12 | 2" minimum 5000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.                        |
| 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                   | 2" minimum Schedule 160, Grade B, seamless line pipe   |
| 16                   | 2" minimum x 3" 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).   |
| 18                   | 4" minimum 1000# hydraulic flanged valve.  |
| 24                   | 8" minimum steel flow line.  |
| 25                   | 2" minimum 5000# W.P. flanged or threaded full opening steel gate valve, or Halliburton Lo Torc Plug valve.            |

EXHIBIT ~~C~~ ~~A~~

	<b>TEXACO, INC</b> <small>INDUSTRIAL DIVISION</small> <small>HOUSTON, TEXAS</small>	
<b>Dow "B" -33- FEDERAL</b>		