



NSL-REDC. 1

NSL 8/18/97

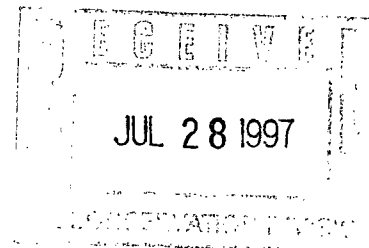
OXY USA Inc.

6 Desta Drive, Suite 6000, Midland, TX 79705, P.O. Box 50250, Midland, TX 79710-0250  
Telephone 915 685-5600 Fax 915 685-5754  
July 25, 1997

New Mexico Oil Conservation Division  
2040 S. Pacheco Street  
Santa Fe, NM 87505

Attention: Mr. Michael E. Stogner

Re: *Application of OXY USA Inc. for Unorthodox Well Location  
Dow B Federal Lease, Well #1  
2180' FSL & 1980' FEL, Unit J  
Section 33, Township 17 South, Range 31 East  
Cedar Lake (Atoka) Pool  
Eddy County, New Mexico*



Dear Mr. Stogner:

OXY USA Inc. ("OXY") respectfully requests administrative approval under Rule 104 (F) to re-enter this plugged and abandoned well and test the Atoka pool. Texaco well originally drilled this at an orthodox location for an east half 320-acre spacing unit. Since Texaco now has the north half of this section dedicated to their Dow B Federal Lease, Well #2, which produces from the Atoka, OXY proposes to designate the south half of the section as a 320-acre spacing unit for Atoka production. This, however, puts the wellbore at an unorthodox location, hence our request for NSL authority.

The need for the unorthodox location is based on the geology of the Atoka formation. In addition to the lease plat, attached is a structure map and cross-section A-A' of the Atoka. The proposed re-entry is located above the gas/water contact in the Atoka and in a potentially productive part of the reservoir. The log from the recently drilled OXY/Panther Federal #1 Well revealed that Atoka sand development disappears to the west of the proposed re-entry.

Also attached are Form C-102 and a "service list" which identifies all affected parties as defined in Rule 104 (F) (3). A copy of this cover letter, C-102 and lease plat have been sent certified mail, return receipt requested, to all parties on the service list. By copy of this letter they are hereby notified that if they have any objection it must be filed within twenty days from the date of this notice. An APD has been filed on this same date with the BLM.

NMOCD approval of this request will aid in protecting OXY's correlative rights and preventing waste. If I can provide any additional information to aid in processing this request, please call me at (915) 685-5913. Thank you for consideration of our application.

Sincerely,

*Rich*

Richard E. Foppiano, P.E.  
Regulatory Affairs Advisor

REF:ref  
Enclosures

*E. Loco Hill Atoka Gas*

# SERVICE LIST

Mr. Tim Gum, Supervisor  
New Mexico Oil Conservation Division  
District II Office  
811 S. First Street  
Artesia, New Mexico 88210

United States Department of the Interior  
Bureau of Land Management  
2909 West Second Street  
Roswell, NM 88201

Texaco Exploration & Production, Inc.  
205 East Bender  
Hobbs, New Mexico 88240

ABOVE THIS LINE FOR DIVISION USE ONLY

## NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

### ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

**Application Acronyms:**

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]  
[DD-Directional Drilling] [SD-Simultaneous Dedication]  
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

**[1] TYPE OF APPLICATION - Check Those Which Apply for [A]**

[A] Location - Spacing Unit - Directional Drilling

☒ NSL ☐ NSP ☐ DD ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

**NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply**

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, ~~Leaseholders or Surface Owner~~

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

**[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding**

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I further verify that all applicable API Numbers are included. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Richard E. Foppiano  
Print or Type Name

Richard E. Foppiano  
Signature

Regulatory Affairs Adv.  
Title

7/25/97  
Date

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

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

Form C-102  
Revised February 10, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-27068		Pool Code	Pool Name Undesignated Atoka
Property Code	Property Name Dow B 33 Federal		Well Number 1
OGRID No. 16696	Operator Name OXY USA Inc.		Elevation 3760'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	33	17S	31E		2180	South	1980	East	Eddy

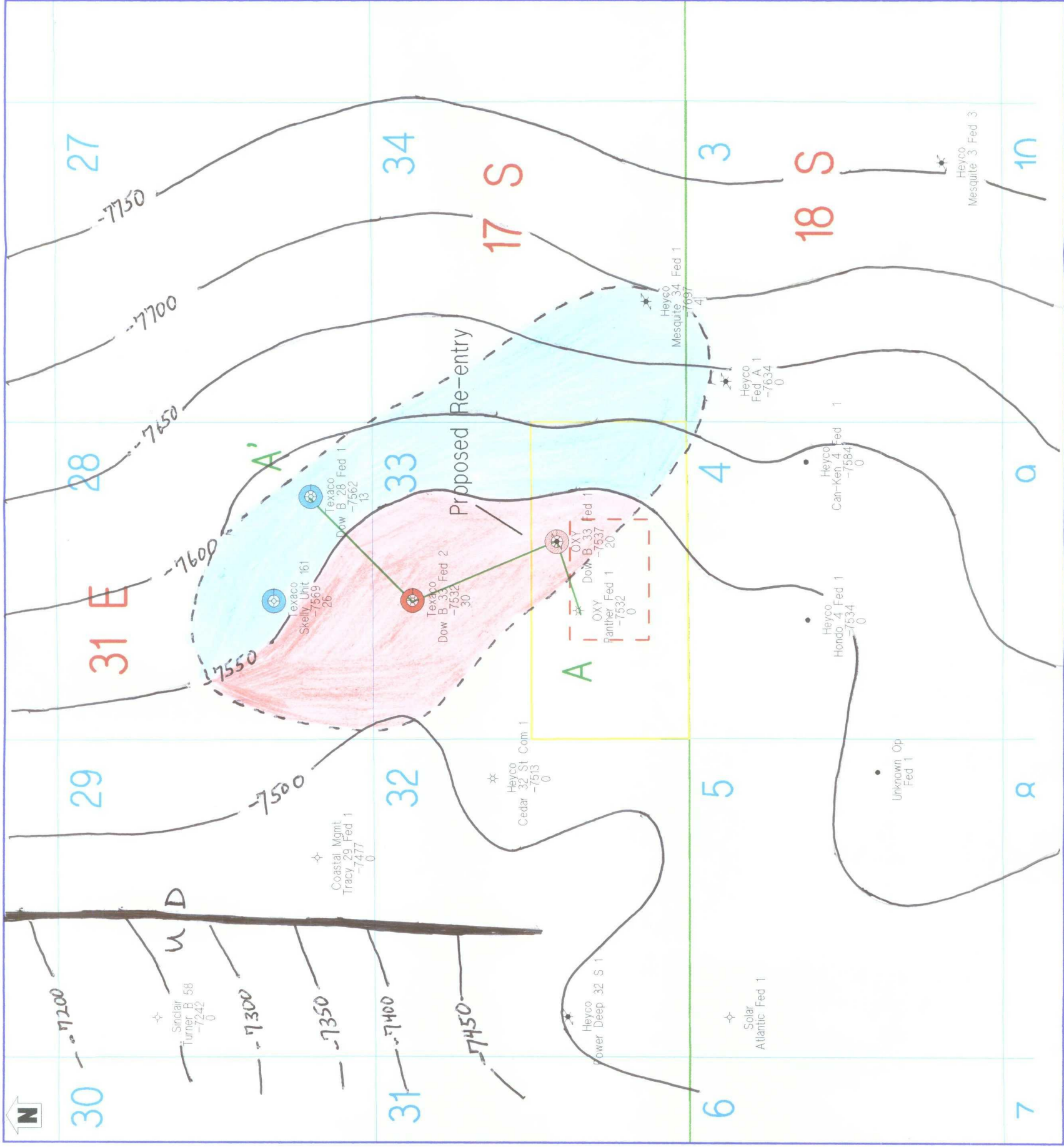
<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill N	<sup>14</sup> Consolidation Code	<sup>15</sup> 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				
<sup>17</sup> OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>  Signature <u>David Stewart</u> Printed Name <u>Regulatory Analyst</u> Title <u>7/25/97</u> Date				
<sup>18</sup> SURVEYOR CERTIFICATION <i>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 belief.</i>  Date of Survey Signature and Seal of Professional Surveyer:  Certificate Number				



**OXY USA, Inc.**

OXY USA / Western Region

Lusk

Atoka Carb Struct (Cl = 50 ft)

Atoka Sandstone Outline

Cedar Lake Area, Eddy Co, NM



By: R. L. Doty

Date: 7/23/1997 Time: 19:42:36

Plot File : D:\PROJECTS\LUSK\PLOTS\STRUCT.PLT

POSTED DATA

OPERATOR  
WELL DESCRIPTOR  
TOPAT\_CO3 (SS) - Atoka Carbonate  
AT\_SSNET\_SS - Net Sandstone

**Atoka Sandstone Gas Production**



**Wet Atoka Sandstone**  
**Productive Atoka Sandstone**  
**Atoka Pay - Behind - Pipe**

Stacked Curves System









STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO  
SANTA FE, NEW MEXICO 87505  
(505) 827-7131

August 1, 1995

**Texaco Exploration and Production, Inc.**  
**P. O. Box 3109**  
**Midland, Texas 79702**

**Attention: C. Wade Howard**

*Administrative Order DD-107*

Dear Mr. Howard:

Under the provisions of General Rule 111 (c), (d) and (e), Texaco Exploration and Production, Inc. made application to the New Mexico Oil Conservation Division on June 28, 1995, for authorization to recomplete its existing Dow "B-33" Federal Well No. 1 in Eddy County, New Mexico by side tracking off of the vertical wellbore and directionally drill to a pre-determined bottom-hole location in order to further deplete the East Cedar Lake-Morrow Gas Pool underlying the standard 320-acre gas spacing and proration unit comprising the S/2 of said Section 33.

**The Division Director Finds That:**

- (1) The application has been duly filed under the provisions of Rule 111(d) and (e) of the Division General Rules and Regulations;
- (2) The Dow "B-33" Federal Well No. 1 (API No. 30-015-27068), located 2180 feet from the South line and 1980 feet from the East line (Unit J) of Section 33, Township 17 South, Range 31 East, NMPM, Eddy County, New Mexico, was originally drilled in August/September 1992 to a total depth of 12,050 and was completed as a gas well in the Morrow formation;
- (3) The applicant/operator proposes to kick off vertical at a depth of approximately 10,341 feet in a westerly direction and drill in such a manner as to bottom back in the Morrow formation at a true vertical depth of approximately 11,800 feet at a standard gas well location within the NE/4 SW/4 (Unit K) of said Section 33;

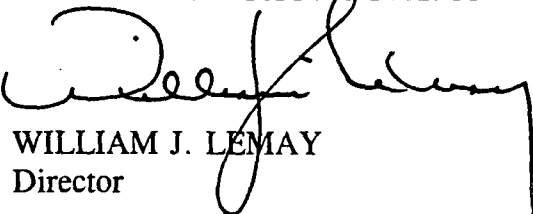


(4) The S/2 of said Section 33 shall be dedicated to said well to form a standard 320-acre gas spacing and proration unit for said interval.

(5) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

  
WILLIAM J. LEMAY  
Director

S E A L

WJL/MES/kv

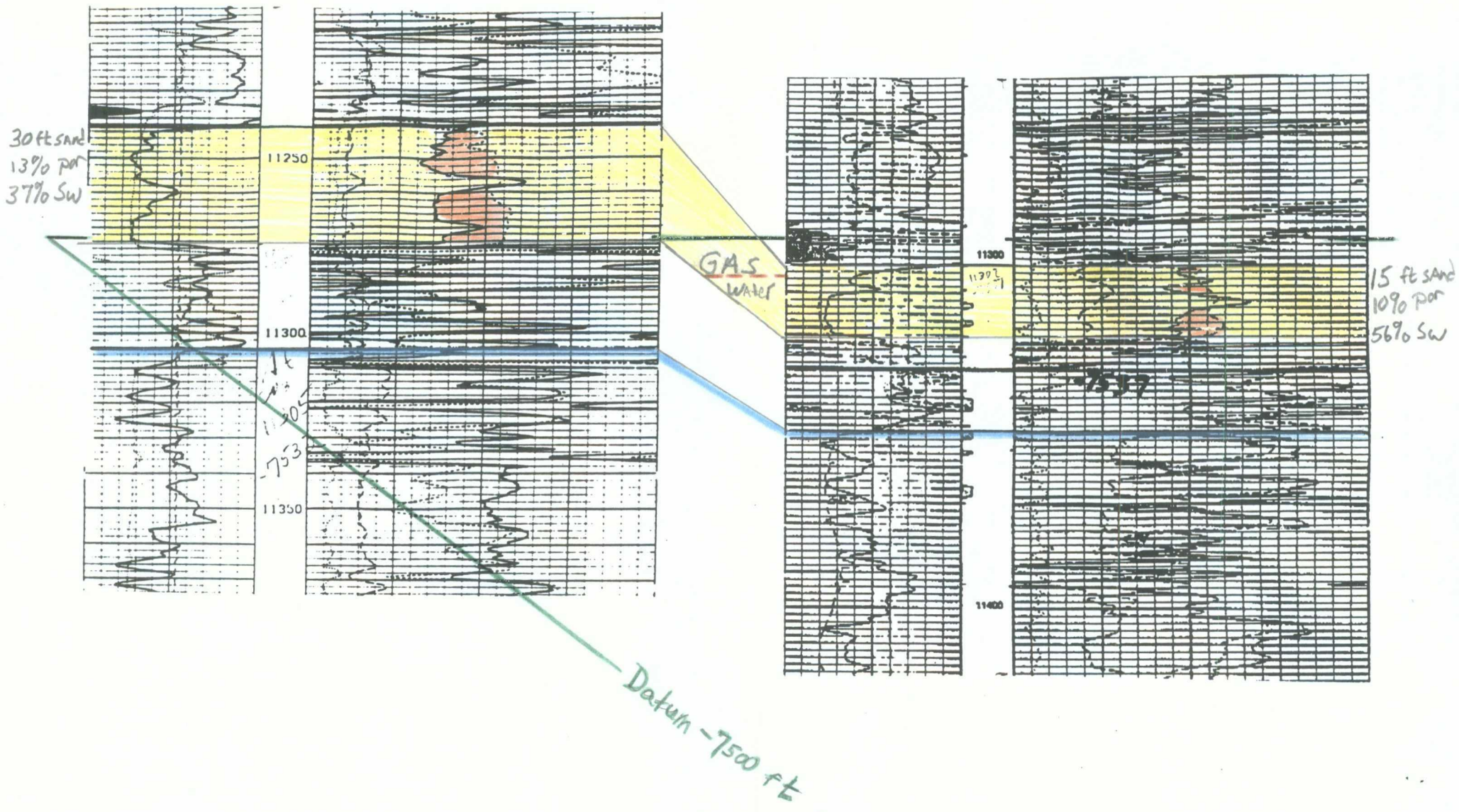
cc: Oil Conservation Division - Artesia  
U. S. Bureau of Land Management - Carlsbad



Texaco Dow B "33" Fed #2  
 Sec 33 17S 31E  
 KB 3773

Texaco Dow B "28" Fed #1  
 Sec 28 17S 31E  
 KB 3795

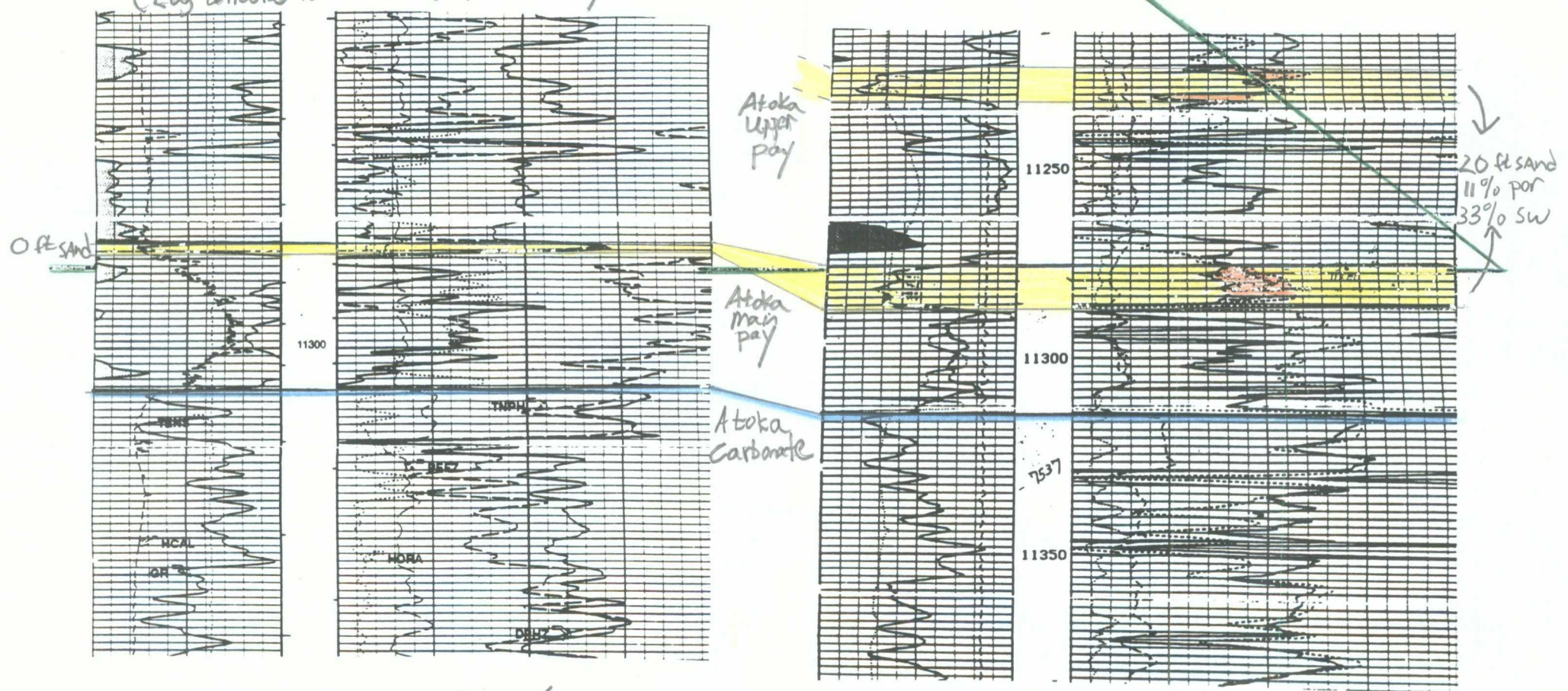
A'



A

OXY Panther Fed #1  
 Sec 33 17S 31E  
 KB 3761  
 (Log corrected 18 ft for deviated hole)

OXY Dow B "33" Fed #1  
 Sec 33 17S 31E  
 KB 3777



Geologic Section A-A'  
 Datum: -7500 ft





UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division  
811 S. 1st Street  
Artesia, NM 88210-2834

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT --" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well: ☒ OIL WELL ☐ GAS WELL ☐ OTHER

2. Name of Operator  
TEXACO EXPLORATION & PRODUCTION INC.

3. Address and Telephone No.  
205 E. Bender, HOBBS, NM 88240 397-0418

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Unit Letter J : 2180 Feet From The SOUTH Line and 1980 Feet From The  
EAST Line Section 33 Township 17S Range 31E

5. Lease Designation and Serial No.  
LC-029420-B

6. If Indian, Alottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and Number  
DOW B 33 FEDERAL

9. API Well No.  
30-015-27068

10. Field and Pool, Exploratory Area  
WILDCAT GRAYBURG

11. County or Parish, State  
EDDY, NEW MEXICO

12. Check Appropriate Box(s) To Indicate Nature of Notice, Report, or Other Data

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Attaching Casing  
☒ OTHER: BATTERY SITE  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

IN REFERENCE TO BLM LETTER 3162 (067); LC-029420-B DATED 11/7/96 CONCERNING FINAL ABANDONEMENT ON THE ABOVE WELL:  
THE WELL LOCATION OF THE ABOVE PLUGGED & ABANDONED WELL WILL SERVE AS THE BATTERY LOCATION FOR TEXACO  
EXPLORATION AND PRODUCTION INC.'S DOW B 33 FEDERAL #2 WELL LOCATED IN UNIT LETTER C, SECTION 33, T-17-S, R-32-E, EDDY  
COUNTY. THE ACCESS ROAD WILL CONTINUE TO SERVE AS AN ACCESS TO THE DOW B 33 FEDERAL TANK BATTERY.

14. I hereby certify that the foregoing is true and correct

SIGNATURE Monte C. Duncan TITLE Engr Asst

DATE 11/25/96

TYPE OR PRINT NAME Monte C. Duncan

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division  
811 S. 1st Street  
Artesia, NM 88210-2834

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Texaco Exploration and Production Company, Inc.

3. Address and Telephone No.

P. O. Box 3109, Midland, TX 79701 915-688-4816

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Unit Letter J 2180' FSL & 1980' FEL Sec 33 T-17-S R-31-E

LC-029420-13

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Dow "B" 33 Fed #1

9. API Well No.

30-015-27068

10. Field and Pool, or Exploratory Area

Wildcat Grayburg

11. County or Parish, State

Eddy, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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☐ Casing Repair  
☐ Altering Casing  
☐ Other  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*.

- 1) Load hole with mud
- 2) Spot 30 sx cement plug @ 5100'
- 3) Perforate 5 1/2 casing @ 3885' Unable to pump into perforations at 1200psi Called BLM in Carlsbad, NM got approval by Joe Lara to spot cement plug across perforation & tag spot 25 sx cement plug @ 3937' W.O.C. Tag cement top @ 3777'
- 4) Perforate 5 1/2 casing @ 1950' Squeeze W/65 sx W.O.C. Tag cement top @ 1830'
- 5) Perforate 5 1/2 casing @ 703' Circulate cement to surface between 5-1/2 & 8-5/8 W/160 sx W.O.C. Tag cement top @ 564'
- 6) Spot 15 sx cement from 100' to surface Set PA marker
- 7) Job Completed 10-09-96

Post ID-2  
11-8-96  
P+17

Approved as to plugging of the well term.  
Liability under bond is retained until  
surface restoration is completed.

14. I hereby certify that the foregoing is true and correct

Signed Raymond Maldonado

Title Supervisor

Date 10-9-96

(This space for Federal or State office use)

Approved by (ORIG. SGD.) DAVID R. GLASS

Conditions of approval, if any:

Title PETROLEUM ENGINEER

Date OCT 30 1996



RESERVATION DIVISION  
RECEIVED

UNITED STATES N.M. Oil Cons. Division  
DEPARTMENT OF THE INTERIOR 811 S. 1st Street  
BUREAU OF LAND MANAGEMENT Artesia, NM 88210-2834

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Texaco Exploration & Production, Inc.

3. Address and Telephone No.

P.O. Box 3109, Midland, TX 79701

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Unit Letter J 2180' from southline and 1980' from the east line  
Section 33, Township 17S, Range 31E

5. Lease Designation and Serial No.

LC-029420-B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Dow "B" 33 Federal #1

9. API Well No.

30-015-27068

10. Field and Pool, or Exploratory Area

Wildcat Grayburg

11. County or Parish, State

Eddy, New Mexico

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☐ Altering Casing  
☐ Other

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

1. Notify BLM of intent to plug and abandon well.
2. MIRU pulling unit and P & A unit. N.U.B.O.P.
3. TIHW/tubing and tag. Cement plug @ 7965'. Displace hole with 10# 35 uis. Mud.
4. POOH to 5100' and spot 30 sacks class C cement. Plug from 5100-4900'.
5. POOH to 3885 (San Andres) Perf. & squeeze at 3885' with 65 sack class C cement with packer at 3530'. (Note cal. T.O.C. at 4000') W.O.C. and tag.
6. POOH to 1950' (Yates) Perf. & squeeze at 1950' with 65 sack class C cement with packer at 1800'. W.O.C. & tag.
7. POOH to 703' (Rustler) Perf. and circulate cement to surface behind 5 1/2" casing at 150 sack class C cement with CICR or packer at 577'.
8. Spot 15 sack of class C cement. 100' surface.
9. Nipple down BOP and cutoff wellhead and install dryhole marker. Clean location up. Rig down and move off.

14. I hereby certify that the foregoing is true and correct

Signed David R. Glass

Title Operations Engineer

Date 8/22/96

(This space for Federal or State office use)

Approved by (ORIG. SCD.) DAVID R. GLASS

Title OPERATIONS ENGINEER

Date AUG 23 1996

Conditions of approval, if any:

SEE ATTACHED FOR

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

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SUBMIT IN TRIPLICATE

1. Type of Well: ☒ OIL WELL ☐ GAS WELL ☐ OTHER

2. Name of Operator  
TEXACO EXPLORATION & PRODUCTION INC.

3. Address and Telephone No. P.O. BOX 730, HOBBS, NM 88240 397-0418

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Unit Letter J : 2180 Feet From The SOUTH Line and 1980 Feet From The  
EAST Line Section 33 Township 17S Range 31E

5. Lease Designation and Serial No.  
LC-029420-B

6. If Indian, Alottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and Number  
DOW "B" 33 FEDERAL  
1

9. API Well No.  
30-015-27068

10. Field and Pool, Exploratory Area  
WILDCAT GRAYBURG

11. County or Parish, State  
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- ☐ Change of Plans  
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THIS IS THE SUBSEQUENT REPORT TO THE NOTICE OF INTENT TO PLUG BACK & RECOMPLETE THIS WELL FROM THE EDDY UNDESIGNATED GROUP 5 TO THE WILDCAT GRAYBURG. THE INTENT WAS APPROVED BY MR. JOE LARA OF THE BLM ON 10/24/95. 10/18/95 - 10/25/95

1. MIRU PULLING UNIT. NU 3000# DOUBLE RAM BOP W/ 2 7/8" PIPE RAMS IN BOTTOM. TIH W/ 5 1/2" CIBP & SET @ 8000'. DUMPED 35' CMT ON TOP W/ BAILER (PBSD 7965').
2. TIH W/ 2 7/8" TBG TO 3800'. LOADED HOLE W/ 70 BBL 2% KCL. CLOSED RAMS & TSTD CIBP & CSG TO 3000#. HELD OK. TOH W/ TBG.
3. RU WIRELINE W/ PACKOFF. TIH W/ GR-CCL-CBL & LOGGED FROM 4000'-3000'. HELD 1000 PSI ON CSG WHILE LOGGING. TOH W/ LOGGING EQUIPMENT.
4. TIH W/ 4" CSG GUN W/ 120 DEG SPIRAL PHASING, 4 JSPF & PERFORATED THE FOLLOWING GRAYBURG SAND INTERVAL: 3688' - 3726' (26' NET, 104 HOLES).
5. TIH W/ 5 1/2" TREATING PKR & SN ON 2 7/8" TBG. TESTED TBG INTO HOLE TO 5000#. SET PKR @ 3686'. LOAD BACKSIDE & TEST PKR TO 500#. ND BOP, NU 5000# FRAC TREE. RU FLOWBACK LINES OFF ADJUSTABLE CHOKE TO PIT.
6. ACIDIZED GRAYBURG PERFS 3688'-3726' W/ 3000 GALLONS 15% NEFE HCL W/ BALLSEALERS. PLACED 500# ON BACKSIDE & MONITORED DURING JOB. FLUSHED TO BOTTOM PERF W/ 2% KCL. AIR = 7 BPM, MAX P = 3000#, MIN P = 1570#, ISIP = 1540#.
7. SWAB TSTD WELL. ND TREE, NU BOP. RELEASED PKR, TOH W/ PKR. TIH WITH 2 7/8" TBG TO 4000'. LEFT WELL SI PENDING PLUG & ABANDONMENT PROCEDURE.

14. I hereby certify that the foregoing is true and correct

SIGNATURE Monte C. Duncan TITLE Engr Asst DATE 11/17/95  
TYPE OR PRINT NAME Monte C. Duncan

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(June 1990) ON DIVISION  
RECEIVED

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NM OIL CONS COMMISSION  
Drawer DD  
Artesia, NM 88210  
FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well: ☒ OIL WELL ☐ GAS WELL ☐ OTHER

2. Name of Operator

TEXACO EXPLORATION & PRODUCTION INC.

3. Address and Telephone No.

P.O. BOX 730, HOBBS, NM 88240

397-0418

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Unit Letter J : 2180 Feet From The SOUTH Line and 1980 Feet From The

EAST Line Section 33 Township 17S Range 31E

5. Lease Designation and Serial No.

LC-029420-B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and Number

DOW "B" 33 FEDERAL

1

9. API Well No.

30-015-27068

10. Field and Pool, Exploratory Area

WILDCAT GRAYBURG

11. County or Parish, State

EDDY, NEW MEXICO

12. Check Appropriate Box(s) To Indicate Nature of Notice, Report, or Other Data

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☒ Recompletion  
☒ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ OTHER: \_\_\_\_\_  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

BY THIS NOTICE OF INTENT, TEPI PROPOSES TO PLUG BACK & RECOMPLETE THIS WELL FROM THE EDDY UNDESIGNATED GROUP 5 TO THE WILDCAT GRAYBURG.

1. MIRU PULLING UNIT. NU 3000# DOUBLE RAM BOP W/ 2 7/8" PIPE RAMS IN BOTTOM.
2. TIH W/ 5 1/2" CIBP & SET @ +/- 8000'. DUMP 35' CMT ON TOP W/ BAILER (PROPOSED PBD 7965').
3. TIH W/ 2 7/8" TBG TO 3800'. LOAD HOLE W/ 2% KCL. CLOSE PIPE RAMS & TEST CIBP & CSG TO 3000#. TOH W/ TBG.
4. RU WIRELINE W/ PACKOFF. TIH W/ GR-CCL-CBL & LOG FROM 4000'-3000'. HOLD 1000 PSI ON CSG WHILE LOGGING. TOH W/ LOGGING EQUIPMENT.
5. TIH W/ 4" CSG GUN W/ 120 DEG SPIRAL PHASING, 4 JSPF & PERFORATE THE FOLLOWING GRAYBURG SAND INTERVAL: 3688' - 3726' (26' NET, 104 HOLES).
6. TIH W/ 5 1/2" TREATING PKR & SN ON 2 7/8" TBG. TEST TBG INTO HOLE TO 5000#. SET PKR @ +/- 3600'. LOAD BACKSIDE & TEST PKR TO 500#. ND BOP, NU 5000# FRAC TREE. RU FLOWBACK LINES OFF ADJUSTABLE CHOKE TO PIT.
7. SWAB WELL DOWN. ACIDIZE GRAYBURG PERFS 3688'-3726' W/ 3000 GALLONS 15% NEFE HCL W/ BALLSEALERS. PUMP @ AN AVERAGE RATE OF 7 - 8 BPM W/ MAX PRESSURE NOT TO EXCEED 5000#. PLACE 500# ON BACKSIDE & MONITOR DURING JOB. FLUSH TO BOTTOM PERF W/ 2% KCL WATER. SD, GET ISIP, 5 MIN, 10 MIN, & 15 MIN SITP.
8. FLOW/ SWAB TEST. ND TREE, NU BOP. RELEASE PKR, RUN THROUGH PERFS TO KNOCK OFF BALL SEALERS. RESET PKR @ +/- 3600'. LOAD BACKSIDE & TEST PKR TO 500#. ND BOP, NU FRAC TREE.
9. FRAC GRAYBURG PERFS 3688'-3726' W/ 29,000 GALLONS 35# BORATE XLG 2% KCL CARRYING 125,000# 16/30 OTTOWA SAND @ AN AVERAGE RATE OF 25 BPM W/ MAX PRESSURE NOT TO EXCEED 5000#. PLACE 500# ON BACKSIDE & MONITOR THROUGHOUT JOB.
10. FLOWBACK WELL @ LESS THAN 1 BPM. TIH W/ PRODUCTION EQUIPMENT. PLACE WELL ON PRODUCTION.

14. I hereby certify that the foregoing is true and correct

SIGNATURE Monte C. Duncan TITLE Engr Asst  
TYPE OR PRINT NAME Monte C. Duncan

DATE 10/2/95

(This space for Federal or State office use)

APPROVED BY 10/24/95 TITLE 10/24/95

DATE 10/24/95

CONDITIONS OF APPROVAL, IF ANY:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NM OIL CONS COMMISSION  
Drawer DD  
Artesia, NM 88210  
FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT --" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well: ☒ OIL WELL ☐ GAS WELL ☐ OTHER

2. Name of Operator  
TEXACO EXPLORATION & PRODUCTION INC.

3. Address and Telephone No. P.O. BOX 730, HOBBS, NM 88240 397-0418

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Unit Letter J : 2180 Feet From The SOUTH Line and 1980 Feet From The

EAST Line Section 33 Township 17S Range 31E

5. Lease Designation and Serial No.  
LC-029420-B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and Number  
DOW "B" 33 FEDERAL

9. API Well No.  
30-015-27068

10. Field and Pool, Exploratory Area  
CEDAR LAKE, EAST MORROW

11. County or Parish, State  
EDDY, NEW MEXICO

12. Check Appropriate Box(s) To Indicate Nature of Notice, Report, or Other Data

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).\*

PRIOR TO THIS RECOMPLETION ATTEMPT TO SIDETRACK & DIRECTIONALLY DRILL TO A LOWER DEPTH, THE ABOVE WELL WAS CLASSIFIED AS AN OIL WELL IN THE EDDY UNDESIGNATED GROUP 5. THE INTENT FOR THIS RECOMPLETION ATTEMPT WAS APPROVED BY MR. DAVID GLASS OF THE BLM ON 7/26/95.

8/8/95 - 9/7/95

1. MIRU. TIH w/ Whipstock assembly, tagged bottom @ 10,362'.
2. Made up stripper & pups, picked up gyro & RIH, oriented tool face to 249 deg @ 10,362'. TOH w/ wireline.
3. Made up swivel, shear setting stud @ 21K down. Cut window in casing @ 10,362'. Directionally drilled to 10,371'. Samples indicated 100% cement & iron. TOH w/ drilling assembly, laid down Whipstock assembly.
4. Spotted Class H cement plug from 10,371' - 10,250'. (PBTD @ 10,250'). TOH w/ drilling equipment. Left well shut-in. Rigged down service unit.

(INTERNAL TEPI STATUS REMAINS SI-O)

J. Lara  
OCT 24 1995

14. I hereby certify that the foregoing is true and correct

SIGNATURE Monte C. Duncan TITLE Engr Asst DATE 9/29/95

TYPE OR PRINT NAME Monte C. Duncan

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

AM OIL CONS COMMISSION  
OIL CONSERVATION DIVISION  
Artesia, NM 88210  
FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

RECEIVED  
OCT 12 11 00 AM '95  
CARLSON  
AREA HEAD

SUNDY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT --" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well: ☐ OIL WELL ☒ GAS WELL ☐ OTHER

2. Name of Operator  
TEXACO EXPLORATION & PRODUCTION INC.

3. Address and Telephone No. P.O. Box 46510, Denver Colorado 80201-6510 (303)621-485

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Unit Letter J : 2180 Feet From The SOUTH Line and 1980 Feet From The  
EAST Line Section 33 Township 17-S Range 31-E

5. Lease Designation and Serial No.  
LC-029420-B

6. If Indian, Alottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and Number  
DOW 'B' 33 FEDERAL  
1

9. API Well No.  
30-015-27068

10. Field and Pool, Exploratory Area  
CEDAR LAKE, EAST MORROW

11. County or Parish, State  
EDDY, NM

12. Check Appropriate Box(s) To Indicate Nature of Notice, Report, or Other Data

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

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☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ OTHER: COM. RE-ENTRY OPER.  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)

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COMMERCIAL RE-ENTRY OPERATIONS: 08-08-95

DRILL OUT CEMENT RETAINER AT 8629' AND CEMENT THROUGH WOLFCAMP PERFS (8720' - 8730').  
PRESSURE TEST CASING TO 2000 PSIG.

TIH WITH SECTION MILL AND MILL SECTION IN CASING FROM 10,331' TO 10,371' (40').

TIH W/ 2-7/8" OPEN-ENDED TO 10,450'. SPOT A 50 SX CLASS H (17.5 PPG, 1.01 FT3/SX, 0.5% D-65) FROM 10,450' TO 10,200'.  
TOH.

TIH W/ 4-7/8" BIT, 6-3 1/2" DC'S ON 2-7/8" WORKSTRING. DRESS TOP OF CEMENT TO 10,341'.

*J. Lora*  
OCT 24 1995

14. I hereby certify that the foregoing is true and correct

SIGNATURE C. P. Basham / SEH TITLE Drilling Operations Mgr. DATE 9/15/95

TYPE OR PRINT NAME C. P. Basham

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NM OIL CONS COMMISSION

Drawer DD

Artesia, NM 88210

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well: ☐ OIL WELL ☒ GAS WELL ☐ OTHER

2. Name of Operator  
TEXACO EXPLORATION & PRODUCTION INC.

3. Address and Telephone No. P.O. Box 3109, Midland Texas 79702 688-4606

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Unit Letter J : 2180 Feet From The SOUTH Line and 1980 Feet From The  
EAST Line Section 33 Township 17-S Range 31-E

5. Lease Designation and Serial No.  
LC-029420-B

6. If Indian, Alottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and Number  
DOW 'B' 33 FEDERAL  
1

9. API Well No.  
30-015-27068

10. Field and Pool, Exploratory Area  
CEDAR LAKE, EAST MORROW

11. County or Parish, State  
EDDY, NM

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TYPE OF SUBMISSION

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☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
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☐ Plugging Back  
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☐ Altering Casing  
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☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

TEXACO PLANS TO SIDETRACK THIS WELL AT 10341' AND DIRECTIONALLY DRILL TO A TOTAL DEPTH OF 12373' MD/ 11850' TVD TO AN ORTHODOX BOTTOMHOLE LOCATION AT APPROXIMATELY 1815' FSL AND 2145' FWL (50' radius). SEE ATTACHED FORM C-102 AND PROPOSED DEVIATION PROGRAM. ALSO ATTACHED IS COPY OF THE APPLICATION TO THE NMCD TO DIRECTIONALLY DRILL THIS WELL.

A PULLING UNIT WITH A CLOSED MUD SYSTEM WILL BE USED. NO ADDITIONAL SURFACE DISTURBANCE WILL BE REQUIRED. A 5000 psi DUAL RAM HYDRAULIC BOP WILL BE USED. NO ABNORMAL TEMPERATURES OR HAZARDOUS GASES ARE ANTICIPATED. PRESSURES ARE NORMAL FOR THE AREA WHICH MEANS A +/- 8.7 - 9.6 PPG EMW PORE PRESSURE IN THE PENNSYLVANIAN.

MUD PROGRAM: 10000' TO TD, BRINE WATER/MUD. WEIGHT: 9.0 - 9.5. VISCOSITY: 32-35.

CASING PROGRAM: DRILL 4 3/4" HOLE. RUN 3 1/2", 9.3#, L-80, 8rd/EUE LINER TO 12373'.

CEMENT PROGRAM: 200 SACKS CLASS H (15.6PPG, 1.18 CF/S, 5.2 GW/S).

LOGGING PROGRAM: GR-CNL SURVEY WILL BE RUN.

SUBJECT TO  
LIKE APPROVAL  
BY STATE

JUN 27 10 48 AM '95

RECEIVED

14. I hereby certify that the foregoing is true and correct.

SIGNATURE C. Wade Howard TITLE Eng. Assistant DATE 6/26/95

TYPE OR PRINT NAME C. Wade Howard

(This space for Federal or State office use)

APPROVED BY David R. Glass TITLE MANAGING ENGINEER DATE JUL 25 1995

CONDITIONS OF APPROVAL, IF ANY:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

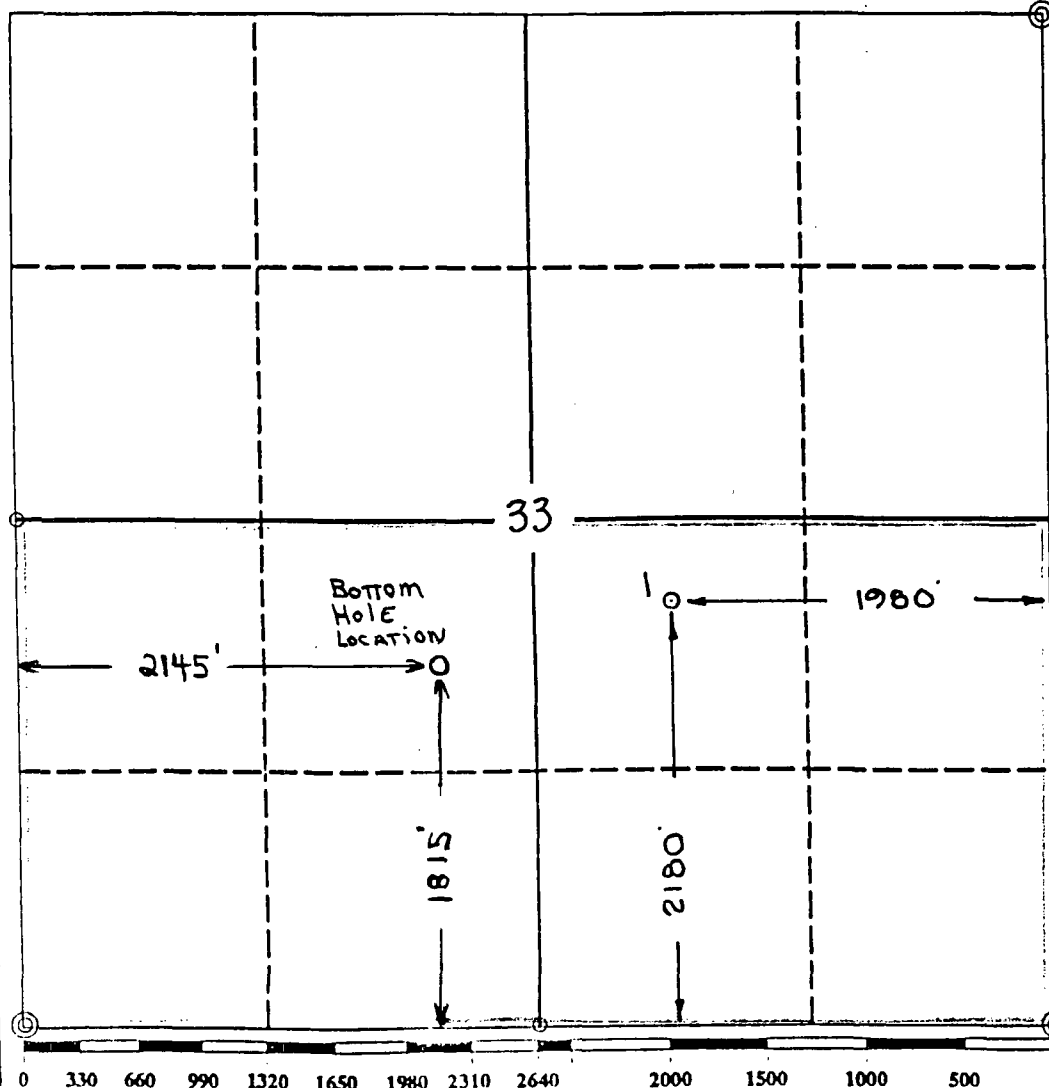
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPLORATION AND PRODUCTION INC.			Lease DOW "B" 33 FEDERAL		Well No. 1
Unit Letter J	Section 33	Township 17-South	Range 31-East	County EDDY	NMPM
Actual Footage Location of Well: 2180 feet from the South line and 1980 feet from the East line					
Ground level Elev. 3760	Producing Formation Morrow		Pool Cedar Lake, East Morrow		Dedicated Acreage: 320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 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, forced-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

Printed Name

Royce D. Mariott

Position

Division Surveyor

Company

Texaco Expl. & Prod. Inc.

Date

June 17, 1992

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 16, 1992

Signature & Seal of  
Professional Surveyor

John S. Piper

Certificate No.

7254 John S. Piper

Sheet of

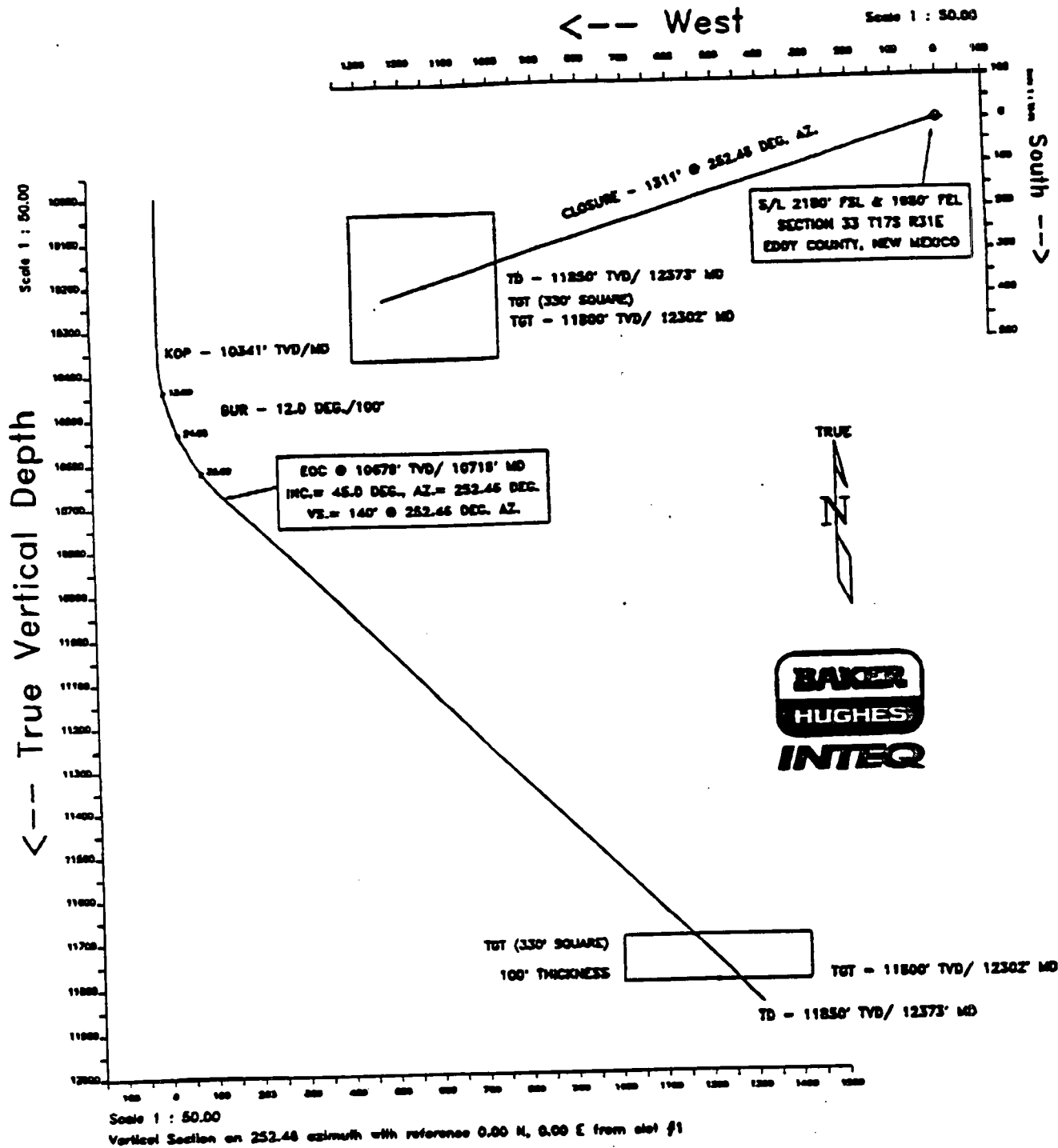
○ = Found 1" Iron Pipe with GLO Brass Cap

⊙ = Found 2 or 3" Iron Pipe with GLO Brass Cap

# TEXACO E&P INC.

Structure : DOW B33 FED #1 Well : DB33F #1  
Field : #222 Location : EDDY COUNTY, NM.

WELL PROFILE DATA						
Depth	MD	TVL	WOB	WOB	WOB	WOB
10341	0.00	252.45	0.00	0.00	0.00	0.00
10341	0.00	252.45	0.00	0.00	0.00	0.00
10341	0.00	252.45	0.00	0.00	0.00	0.00
10341	0.00	252.45	0.00	0.00	0.00	0.00
10341	0.00	252.45	0.00	0.00	0.00	0.00
10341	0.00	252.45	0.00	0.00	0.00	0.00



TEXACO E&P INC.  
DOW B33 FED #1

DB33P #1  
slot #1  
#222

EDDY COUNTY, NM.

P R O P O S A L L I S T I N G

by  
Baker Hughes INTEQ

Your ref : 12/100 BUR  
Our ref : prop908  
License :

Date printed : 8-Jun-95  
Date created : 8-Jun-95  
Last revised : 8-Jun-95

Field is centred on 0.000,0.000,999.00000,N  
structure is centred on n33 30 0.000,e104 0 0

Slot location is n33 30 0.000,w104 0 0.000  
slot Grid coordinates are N 1413039.762, E 881409.569  
slot local coordinates are 0.00 N 0.00 E  
Reference North is Grid North

TEXACO B&P INC.  
DOH B33 FED #1, DB33F #1  
#2222, EDDY COUNTY, NM.

PROPOSAL LISTING Page 1  
Your ref : 12/100 BUR  
Last revised : 8-Jun-95

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert. Depth	R E C T A N G U L A R C O O R D I N A T E S	Dogleg Deg/100ft	Vert Sect
0.00	0.00	252.46	0.00	0.00 N 0.00 E	0.00	0.00
500.00	0.00	252.46	500.00	0.00 N 0.00 E	0.00	0.00
1000.00	0.00	252.46	1000.00	0.00 N 0.00 E	0.00	0.00
1500.00	0.00	252.46	1500.00	0.00 N 0.00 E	0.00	0.00
2000.00	0.00	252.46	2000.00	0.00 N 0.00 E	0.00	0.00
2500.00	0.00	252.46	2500.00	0.00 N 0.00 E	0.00	0.00
3000.00	0.00	252.46	3000.00	0.00 N 0.00 E	0.00	0.00
3500.00	0.00	252.46	3500.00	0.00 N 0.00 E	0.00	0.00
4000.00	0.00	252.46	4000.00	0.00 N 0.00 E	0.00	0.00
4500.00	0.00	252.46	4500.00	0.00 N 0.00 E	0.00	0.00
5000.00	0.00	252.46	5000.00	0.00 N 0.00 E	0.00	0.00
5500.00	0.00	252.46	5500.00	0.00 N 0.00 E	0.00	0.00
6000.00	0.00	252.46	6000.00	0.00 N 0.00 E	0.00	0.00
6500.00	0.00	252.46	6500.00	0.00 N 0.00 E	0.00	0.00
7000.00	0.00	252.46	7000.00	0.00 N 0.00 E	0.00	0.00
7500.00	0.00	252.46	7500.00	0.00 N 0.00 E	0.00	0.00
8000.00	0.00	252.46	8000.00	0.00 N 0.00 E	0.00	0.00
8500.00	0.00	252.46	8500.00	0.00 N 0.00 E	0.00	0.00
9000.00	0.00	252.46	9000.00	0.00 N 0.00 E	0.00	0.00
9500.00	0.00	252.46	9500.00	0.00 N 0.00 E	0.00	0.00
10000.00	0.00	252.46	10000.00	0.00 N 0.00 E	0.00	0.00
10340.93	0.00	252.46	10340.93	0.00 N 0.00 E	0.00	0.00
10440.93	12.00	252.46	10440.20	3.14 S 9.95 W	12.00	10.43
10540.93	24.00	252.46	10535.13	12.44 S 39.36 W	12.00	41.28
10640.93	36.00	252.46	10621.58	27.48 S 86.95 W	12.00	91.19

All data is in feet unless otherwise stated.  
Coordinates from slot #1 and TVD from wellhead.  
Vertical section is from wellhead on azimuth 252.46 degrees.  
Declination is 0.00 degrees, Convergence is -1.89 degrees.  
Calculation uses the minimum curvature method.  
Presented by Baker Hughes INTEQ



TEXACO E&P INC.  
 DOW B33 FED #1, DB33F #1  
 #222, EDDY COUNTY, NM.

PROPOSAL LISTING Page 2  
 Your ref : 12/100 BUR  
 Last revised : 8-Jun-95

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert. Depth	R E C T A N G U L A R C O O R D I N A T E S	Dogleg Deg/100ft	Vert Sect
10715.93	45.00	252.46	10678.55	42.14 S 133.34 W	12.00	139.85
11000.00	45.00	252.46	10879.42	102.67 S 324.88 W	0.00	340.71
11500.00	45.00	252.46	11232.97	209.21 S 662.00 W	0.00	694.27
12000.00	45.00	252.46	11586.52	315.75 S 999.12 W	0.00	1047.82
12372.61	45.00	252.46	11850.00	395.14 S 1250.34 W	0.00	1311.30

All data is in feet unless otherwise stated

Coordinates from slot #1 and TVD from wellhead.

Vertical section is from wellhead on azimuth 252.46 degrees.

Declination is 0.00 degrees, Convergence is -1.89 degrees.

Calculation uses the minimum curvature method.

Presented by Baker Hughes INTEQ



Texaco Exploration and Production Inc.  
Midland Producing Division

550 N. Loraine  
Midland TX 79701

P. O. Box 370  
Midland TX 79701

June 15, 1995

GOV - STATE AND LOCAL GOVERNMENTS

Directional Drilling

Dow "B" -33- Federal Well No. 1  
Cedar Lake, East Morrow Field  
Eddy County, New Mexico

State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
2040 South Pacheco  
Santa Fe, New Mexico 87505

Attention: Mr. Michael E. Stogner

Gentlemen:

Administrative approval, Rule 111 c.2, is requested to sidetrack and directionally drill the captioned well to an orthodox bottomhole location.

This well is no longer economical to produce because of high water production. Plans are to sidetrack to well at +/-10,341' and directionally drill to a TVD of 11,850' at a proposed bottomhole location of 2145' FWL and 1815' FSL of Section 33, T-17-S, R-31-E. Productive formation should be encountered in the morrow formation resulting in a commercial well. Attached for your information is a copy of the proposed deviation program.

The "affected" offset operators to this well have been notified of this request (see attached offset operator's list and certified mail receipts).

Attached is Form C-102 showing the surface location and proposed bottomhole location for this well. Any questions concerning this request should be directed to me at (915) 688-4606.

Yours very truly,

*C. Wade Howard*

C. W. Howard  
Engineer's Assistant

CWH:

CC: BLM, P. O. Box 1778, Carlsbad, NM 88220

Attachments

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 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, Azusa, NM 88210

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPLORATION AND PRODUCTION INC.			Lease DOW "B" 33 FEDERAL		Well No. 1
Unit Letter J	Section 33	Township 17-South	Range 31-East	County NMPM	EDDY
Actual Footage Location of Well: 2180 feet from the South line and 1980 feet from the East line					
Ground level Elev. 3760	Producing Formation Morrow		Pool Cedar Lake, East Morrow	Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 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, forced-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

*Royce D. Mariott*

Printed Name

Royce D. Mariott

Position

Division Surveyor

Company

Texaco Expl. & Prod. Inc

Date

June 17, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes actual surveys made by me or under supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

June 16, 1992

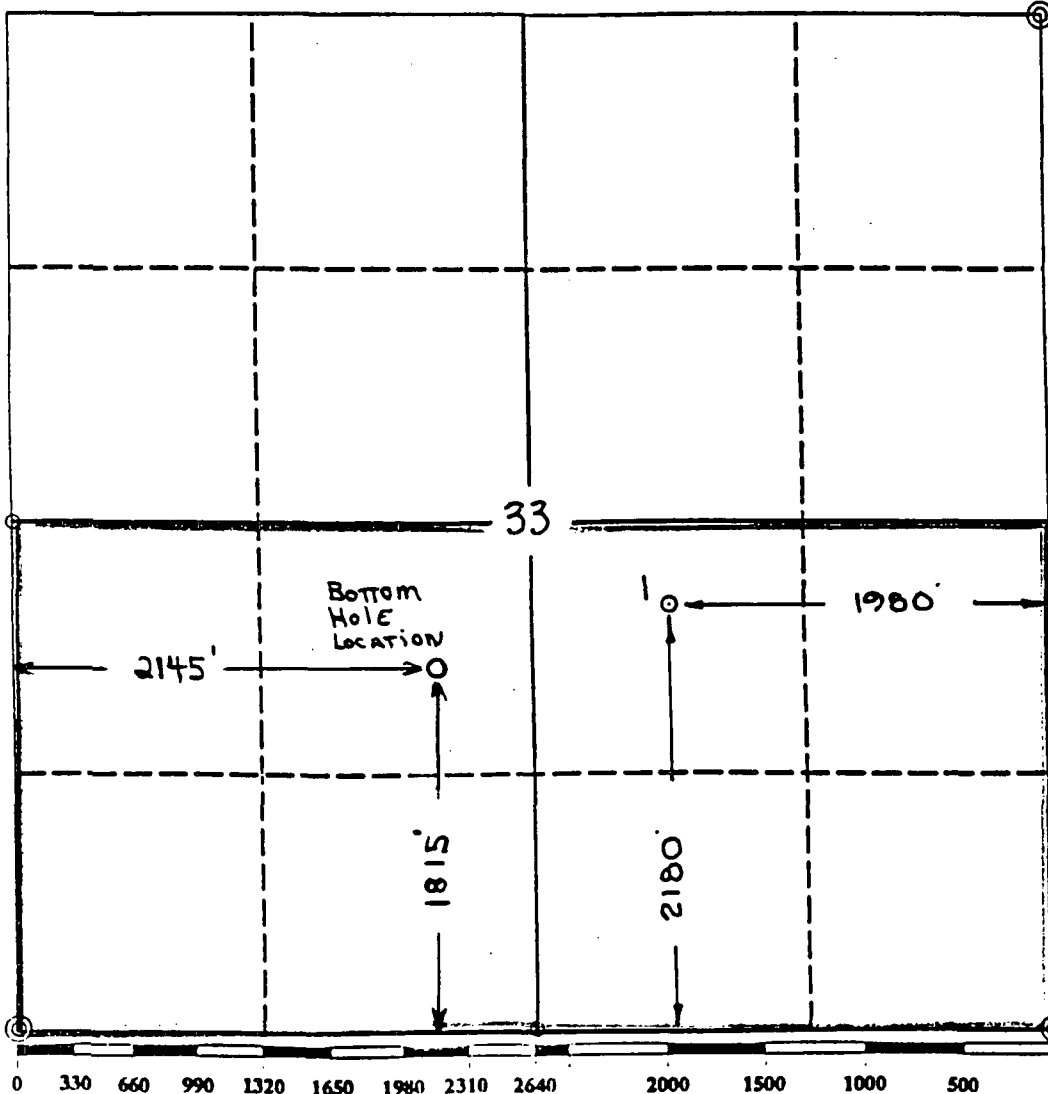
Signature & Seal of  
Professional Surveyor

*John S. Piper*

Certificate No.

7254 John S. Piper

Sheet of



○ = Found 1" Iron Pipe with GLO Brass Cap

⊙ = Found 2 or 3" Iron Pipe with GLO Brass Cap



Texaco Exploration and Production Inc.  
Midland Production District

10 - Midland  
Midland, TX 79701

P.O. Box 810  
Midland, TX 79701

June 13, 1995

GOV - STATE AND LOCAL GOVERNMENTS

Directional Drilling

Dow "B" -33- Federal Well No. 1

Sec. 33, T-17-S, R-31-E

Cedar Lake, East Morrow Field

Eddy County, New Mexico

TO THE OFFSET OPERATORS

Gentlemen:

As an offset operator to the captioned lease, you are being furnished with a copy of our Application to sidetrack and directionally drill the captioned well. If you have no objection, please sign the waiver at the bottom of this letter and return in the enclosed envelope.

Any questions concerning this request should be directed to me at (915) 688-4606.

Yours very truly,

*C. Wade Howard*

C. W. Howard  
Engineer's Assistant

CWH:cwh

File

**WAIVER APPROVED:**

**COMPANY:** \_\_\_\_\_

**BY:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

OFFSET OPERATOR'S LIST  
DOW "B" -33- FEDERAL WELL No. 1  
EDDY COUNTY, NEW MEXICO

Texaco Exploration and Production Inc.  
P. O. Box 3109  
Midland, Texas 79702

Coastal Management Corporation  
P. O. Box 2720  
Midland, Texas 79702

Atlantic Richfield Company  
P. O. Box 1610  
Midland, Texas 79702

Anadarko Petroleum Corporation  
P. O. Box 2497  
Midland, Texas 79702

Marathon Oil Company  
P. O. Box 552  
Midland, Texas 79702

Harvey E. Yates Company  
Spiral, Inc.  
Explorers Petroleum Corporation  
Heyco Employees, Ltd.  
P. O. Box 1933  
Roswell, New Mexico 88202

Yates Energy Corporation  
Yates-McMinn Drilling Venture 1984-1  
1010 Sunwest Centre  
Roswell, New Mexico 88202

Jalapeno Corporation  
P. O. Box 1608  
Albuquerque, New Mexico 87103

William A. Hudson/Roxie  
William A. Hudson, III, Trustee  
Edward R. Hudson, Jr., Trustee  
616 Texas St.  
Fort Worth, Texas 76102

Mary Hudson Ard, Trustee  
Edward R. Hudson Trust 4  
4808 Westridge  
Fort Worth, Texas 76116



Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

3. Article Addressed to:  
Coastal Mgmt. Corp.  
P.O. Box 2720  
Midland, TX 79702

4a. Article Number  
P 188 919 626

4b. Service Type  
☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☒ Express Mail ☒ Return Receipt for Merchandise

7. Date of Delivery

5. Signature (Addressee)

6. Signature (Agent)  
*Shelley Jackson*

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 \*U.S. GPO: 1993-322-714

**DOMESTIC RETURN RECEIPT**

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
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- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

3. Article Addressed to:  
Atlantic Richfield Co.  
P. O. Box 1610  
Midland, Texas 79702

4a. Article Number  
P 188 919 627

4b. Service Type  
☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☒ Return Receipt for Merchandise

7. Date of Delivery  
JUN 14 1995

5. Signature (Addressee)

6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 \*U.S. GPO: 1993-322-714

**DOMESTIC RETURN RECEIPT**

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

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- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

3. Article Addressed to:  
Anadarko Petroleum Corp.  
P. O. Box 2497  
Midland, TX 79702

4a. Article Number  
P 188 919 628

4b. Service Type  
☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☒ Return Receipt for Merchandise

7. Date of Delivery  
JUN 14 1995

5. Signature (Addressee)

6. Signature (Agent)  
*Shelley Jackson*

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 \*U.S. GPO: 1993-322-714

**DOMESTIC RETURN RECEIPT**

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**SENDER:**

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- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
Marathon Oil Company  
P. O. Box 552  
Midland, Texas 79702

4a. Article Number  
P 188 919 629

4b. Service Type  
☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☒ Return Receipt for Merchandise

7. Date of Delivery  
JUN 12 1991

5. Signature (Addressee)

6. Signature (Agent)  
*[Signature]*

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 U.S. GPO: 1993-352-714 DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
Harvey E. Yates Company  
Spiral, Inc.  
Explorers Pet. Corp.  
Heyco Employees, Ltd.  
P. O. Box 1933  
Roswell, New Mexico 88202

4a. Article Number  
P 188 919 630

4b. Service Type  
☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☒ Return Receipt for Merchandise

7. Date of Delivery  
14  
1991

5. Signature (Addressee)

6. Signature (Agent)  
*[Signature]*

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 U.S. GPO: 1993-352-714 DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
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- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
Yates Energy Corporation  
Yates-McMinn Drilling Venture  
1010 Sunwest Centre 1948-1  
Roswell, New Mexico 88202

4a. Article Number  
P 188 919 631

4b. Service Type  
☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☒ Return Receipt for Merchandise

7. Date of Delivery  
JUN 14 1991

5. Signature (Addressee)

6. Signature (Agent)  
*[Signature]*

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 U.S. GPO: 1993-352-714 DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

Following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
JALAPENO CORPORATION  
P.O. BOX 1608  
ALBUQUERQUE, NM

4a. Article Number  
E188-919 638

4b. Service Type  
☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☒ Return Receipt for Merchandise

5. Signature (Addressee)

6. Signature (Agent)  
*Jonathan Allen*

7. Date of Delivery  
JUN 12 1991

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 \*U.S. GPO: 1989-352-714

**DOMESTIC RETURN RECEIPT**

Thank you for using Return Receipt Service.

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

- ☐ Show to whom delivered, date, and addressee's address. (Extra charge)
- ☐ Restricted Delivery (Extra charge)

3. Article Addressed to:  
William A. Hudson/Roxie  
William A. Hudson, III, Trustee  
Edward R. Hudson, Jr., Trustee  
616 Texas Street  
Fort Worth, Texas 76102

4. Article Number  
P 046 660 730

Type of Service:  
☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☒ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee  
X

6. Signature — Agent  
X *W. Charles*

7. Date of Delivery  
JUN 15 1995

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 \*U.S. G.P.O. 1989-238-815

**DOMESTIC RETURN RECEIPT**

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
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- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
Mary Hudson Ard, Trustee  
Edward R. Hudson Trust 4  
4808 Westridge  
Fort Worth, TX 76116

4a. Article Number  
P 188 919 634

4b. Service Type  
☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☒ Return Receipt for Merchandise

5. Signature (Addressee)

6. Signature (Agent)  
*Cissy Aguirre*

7. Date of Delivery  
6-22-95

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 \*U.S. GPO: 1989-352-714

**DOMESTIC RETURN RECEIPT**

Thank you for using Return Receipt Service.

# TEXACO E&P INC.

Structure : DOW B33 FED #1

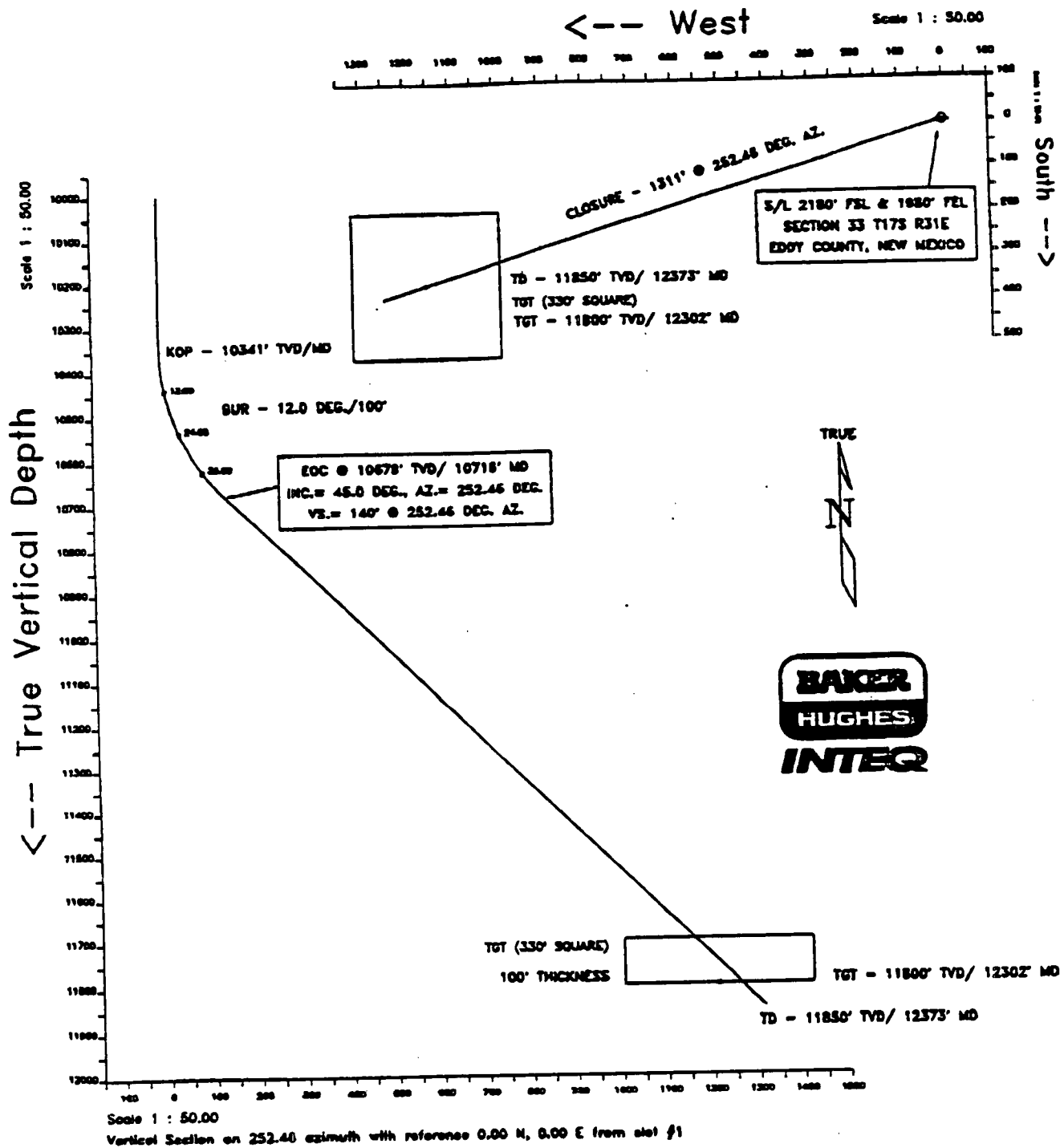
Well : DB33F #1

Field : #222

Location : EDDY COUNTY, NM.

## WELL PROFILE DATA

	Depth	MD	TV	TD	Inc	Cur	Log/100
To bit	0	0.00	200.00	0	0	0	0.00
TOP	10341	0.00	200.00	10341	0	0	0.00
End of Well	10718	45.00	200.00	10718	-45	-120	10.00
Total	12373	45.00	200.00	11850	-300	-1200	0.00



TEXACO E&P INC.  
DOW B33 FED #1

DB33F #1  
slot #1  
#222  
EDDY COUNTY, NM.

P R O P O S A L L I S T I N G

by  
Baker Hughes INTEQ

Your ref : 12/100 BUR  
Our ref : prop908  
License :

Date printed : 8-Jun-95  
Date created : 8-Jun-95  
Last revised : 8-Jun-95

Field is centred on 0.000,0.000,999.00000,N  
Structure is centred on n33 30 0.000,e104 0 0

Slot location is n33 30 0.000,w104 0 0.000  
Slot Grid coordinates are N 1413039.762, E 881409.569  
Slot local coordinates are 0.00 N 0.00 E  
Reference North is Grid North

TEXACO E&P INC.  
 DOW B33 FED #1, DB33F #1  
 #222, EDDY COUNTY, NM.

PROPOSAL LISTING Page 1  
 Your ref : 12/100 BUR  
 Last revised : 8-Jun-95

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert. Depth	R E C T A N G U L A R C O O R D I N A T E S	Dogleg Deg/100ft	Vert Sect
0.00	0.00	252.46	0.00	0.00 N	0.00 E	0.00
500.00	0.00	252.46	500.00	0.00 N	0.00 E	0.00
1000.00	0.00	252.46	1000.00	0.00 N	0.00 E	0.00
1500.00	0.00	252.46	1500.00	0.00 N	0.00 E	0.00
2000.00	0.00	252.46	2000.00	0.00 N	0.00 E	0.00
2500.00	0.00	252.46	2500.00	0.00 N	0.00 E	0.00
3000.00	0.00	252.46	3000.00	0.00 N	0.00 E	0.00
3500.00	0.00	252.46	3500.00	0.00 N	0.00 E	0.00
4000.00	0.00	252.46	4000.00	0.00 N	0.00 E	0.00
4500.00	0.00	252.46	4500.00	0.00 N	0.00 E	0.00
5000.00	0.00	252.46	5000.00	0.00 N	0.00 E	0.00
5500.00	0.00	252.46	5500.00	0.00 N	0.00 E	0.00
6000.00	0.00	252.46	6000.00	0.00 N	0.00 E	0.00
6500.00	0.00	252.46	6500.00	0.00 N	0.00 E	0.00
7000.00	0.00	252.46	7000.00	0.00 N	0.00 E	0.00
7500.00	0.00	252.46	7500.00	0.00 N	0.00 E	0.00
8000.00	0.00	252.46	8000.00	0.00 N	0.00 E	0.00
8500.00	0.00	252.46	8500.00	0.00 N	0.00 E	0.00
9000.00	0.00	252.46	9000.00	0.00 N	0.00 E	0.00
9500.00	0.00	252.46	9500.00	0.00 N	0.00 E	0.00
10000.00	0.00	252.46	10000.00	0.00 N	0.00 E	0.00
10140.93	0.00	252.46	10140.93	0.00 N	0.00 E	0.00
10440.93	12.00	252.46	10440.20	3.14 S	9.95 W	10.43
10540.93	24.00	252.46	10535.13	12.44 S	39.36 W	41.28
10640.93	36.00	252.46	10621.58	27.48 S	86.95 W	91.19

All data is in feet unless otherwise stated.  
 Coordinates from slot #1 and TVD from wellhead.  
 Vertical section is from wellhead on azimuth 252.46 degrees.  
 Declination is 0.00 degrees, Convergence is -1.89 degrees.  
 Calculation uses the minimum curvature method.  
 Presented by Baker Hughes INTEQ

TEXACO E&P INC.  
 DOM B33 FED #1, DB33F #1  
 #222, EDDY COUNTY, NM.

PROPOSAL LISTING Page 2  
 Your ref : 12/100 BUR  
 Last revised : 8-Jun-95

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert. Depth	R E C T A N G U L A R C O O R D I N A T E S	Dogleg Deg/100ft	Vert Sect
10715.93	45.00	252.46	10678.55	42.14 S 133.34 W	12.00	139.85
11000.00	45.00	252.46	10879.42	102.67 S 324.88 W	0.00	340.71
11500.00	45.00	252.46	11232.97	209.21 S 662.00 W	0.00	694.27
12000.00	45.00	252.46	11586.52	315.75 S 999.12 W	0.00	1047.82
12372.61	45.00	252.46	11850.00	395.14 S 1250.34 W	0.00	1311.30

All data is in feet unless otherwise stated.  
 Coordinates from slot #1 and TVD from wellhead.  
 Vertical section is from wellhead on azimuth 252.46 degrees.  
 Declination is 0.00 degrees, Convergence is -1.89 degrees.  
 Calculation uses the minimum curvature method.  
 Presented by Baker Hughes INTEQ

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NM OIL CONS COMMISSION  
Drawer DD  
Artesia, NM 88210

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT --" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well: ☒ OIL WELL ☐ GAS WELL ☐ OTHER

2. Name of Operator  
TEXACO EXPLORATION & PRODUCTION INC.

3. Address and Telephone No. P.O. BOX 730, HOBBS, NM 88240

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Unit Letter J : 2180 Feet From The SOUTH Line and 1980 Feet From The  
EAST Line Section 33 Township 17S Range 31E

5. Lease Designation and Serial No.  
LC-029420-B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and Number  
DOW "B" 33 FEDERAL

9. API Well No.  
30-015-27068

10. Field and Pool, Exploratory Area  
EDDY UNDESIGNATED GROUP 5

11. County or Parish, State  
EDDY, NEW MEXICO

12. Check Appropriate Box(s) To Indicate Nature of Notice, Report, or Other Data

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input checked="" type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> OTHER: _____	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

PRIOR TO THIS WORKOVER, THE ABOVE WELL WAS CLASSIFIED AS A GAS WELL IN THE CEDAR LAKE EAST, MORROW ZONE. THE FOLLOWING PROCEDURE EXPLAINS HOW THE WELL WAS PLUGGED BACK & RECOMPLETED AS AN OIL WELL IN THE EDDY UNDESIGNATED GROUP 5. THE INTENT FOR THIS WORKOVER WAS VERBALLY APPROVED BY MR. JOE LARA OF THE BLM ON 5/5/95.

5/8/95 - 5/21/95

1. MIRU. Install BOP. Pulled tubing & packer assembly from 11,495'.

2. TIH w/ CIBP. Tagged packer body & set CIBP immediately on top @ 11,495'. Capped with 35' of cmt, PBDT @ 11,460'.

3. Rigged up perforators with high-pressure lubricator and grease injector. Perforated through 2-7/8" tubing with 4" casing gun from 8720' - 8730' with 2.50" holes per foot (11 feet, 22 holes).

4. TIH w/ on/off tool with 1.875" profile nipple & packer. Tested tubing to 7000# on trip in. Set packer @ 8660' w/ 15,000# compression. Swabbed fluid down to 8600'.

5. Installed tree saver. Acidized perforations from 8720'-8730' w/ 400 gals 15% NEFE HCL. Max P = 5060#, AIR = 3 BPM. Hooked up pump to backside and held 1000# pressure throughout job. Flushed to bottom perf with 53 bbls KCL water. TOH w/ pkr. Swabbed load back and tested well.

6. Set cmt retainer @ 8629'. Sqzd perforations from 8720'-8730' w/ 125 sxs class H cmt. Max P = 3000#, AIR = 2.4 BPM. Reversed out 12 sxs. TOH w/ production equipment. Well shut-in pending further evaluation.

14. I hereby certify that the foregoing is true and correct

SIGNATURE Monte C. Duncan TITLE Engr Asst DATE 6/22/95

TYPE OR PRINT NAME Monte C. Duncan

(This space for Federal or State Office use)

APPROVED BY David A. Elmer TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NM OIL CONS COMMISSION  
Drawer DD  
Artesia, NM 88210  
FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well: ☐ OIL WELL ☒ GAS WELL ☐ OTHER

2. Name of Operator  
TEXACO EXPLORATION & PRODUCTION INC.

3. Address and Telephone No. P.O. BOX 730, HOBBS, NM 88240 397-0418

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Unit Letter J : 2180 Feet From The SOUTH Line and 1980 Feet From The  
EAST Line Section 33 Township 17S Range 31E

5. Lease Designation and Serial No.

LC-029420-B

6. If Indian, Alottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and Number

DOW "B" 33 FEDERAL

1

9. API Well No.

30-015-27068

10. Field and Pool, Exploratory Area

UNDESIGNATED WOLFCAMP

11. County or Parish, State

EDDY, NEW MEXICO

12. Check Appropriate Box(s) To Indicate Nature of Notice, Report, or Other Data

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☒ Recompletion  
☒ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ OTHER:  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

THIS WELL IS CURRENTLY COMPLETED IN THE CEDAR LAKE MORROW ZONE. THE FOLLOWING PROCEDURE IS FOR PLUGGING BACK AND RECOMPLETING IN THE UNDESIGNATED WOLFCAMP.

- 1) MIRU. Install BOP. Pull tubing & packer assembly from 11,495'.
- 2) TIH w/ CIBP. Tag packer body and set CIBP immediately on top. Cap with a minimum of 35' of cement.
- 3) TIH w/ on/off tool with 1.875" profile nipple & packer. Test tubing to 7000# on the trip in. Hang packer @ approximately 8650'. Set w/ 15,000# compression.
- 4) Circulate packer fluid around backside; approximately 250 barrels to circulate around. Set packer. Swab fluid to 8000'.
- 5) RU perforators with high-pressure lubricator and grease injector. Perforate through 2-7/8" tubing with 1-11/16" Dynastrip gun. Perforate two 0.45" holes per foot from 8720' - 8730' (11 feet, 22 holes)
- 6) Install tree saver. Acidize perforations w/ 400 gals 15% NEFE HCL @ 3 to 4 bpm w/ an anticipated pressure of 5800 psi. Hook up pump to backside & hold 1000# pressure throughout job. Flush to bottom perf + 2 bbls with KCl water (53 bbls, 2226 gals). TOH w/ pkr.
- 7) Swab well in until flowing and return well to production.

RECEIVED VERBAL APPROVAL FROM MR. JOE LARA WITH THE BLM ON 5/5/95.

14. I hereby certify that the foregoing is true and correct

SIGNATURE Monte C. Duncan TITLE Engr Asst DATE 5/5/95

TYPE OR PRINT NAME Monte C. Duncan

(This space for Federal or State office use)

APPROVED BY JOE G. LARA TITLE PETROLEUM ENGINEER DATE 6/13/95

CONDITIONS OF APPROVAL, IF ANY:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOC 10 - Artesia

51

Form 3160-5  
(June 1990)  
RECEIVEDUNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

95 APR 19 PM 8 52

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT --" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well: ☐ OIL WELL ☒ GAS WELL ☐ OTHER2. Name of Operator  
TEXACO EXPLORATION & PRODUCTION INC.

3. Address and Telephone No. P.O. BOX 730, HOBBS, NM 88240 397-0426

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Unit Letter J : 2180 Feet From The SOUTH Line and 1980 Feet From The  
EAST Line Section 33 Township 17S Range 31E

5. Lease Designation and Serial No.

LC-029420-B

6. If Indian, Alottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and Number

Dow "B" 33 Federal

1

9. API Well No.

30 015 27068

10. Field and Pool, Exploratory Area  
Cedar Lake Morrow East

11. County or Parish, State

Eddy County, New Mexico

## 12. Check Appropriate Box(s) To Indicate Nature of Notice, Report, or Other Data

## TYPE OF SUBMISSION

- ☐
- Notice of Intent
- 
- ☒
- Subsequent Report
- 
- ☐
- Final Abandonment Notice

## TYPE OF ACTION

- ☐
- Abandonment
- 
- ☐
- Recompletion
- 
- ☐
- Plugging Back
- 
- ☐
- Casing Repair
- 
- ☐
- Altering Casing
- 
- ☒
- OTHER: set inflatable bridge plug

- ☐
- Change of Plans
- 
- ☐
- New Construction
- 
- ☐
- Non-Routine Fracturing
- 
- ☐
- Water Shut-Off
- 
- ☐
- Conversion to Injection
- 
- ☐
- Dispose Water

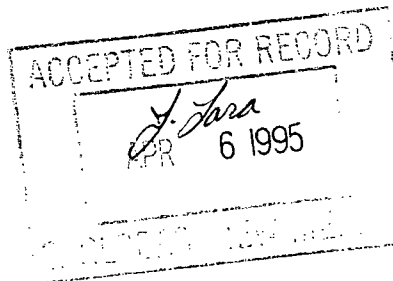
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

10/24/94: Set inflatable bridge plug @ 11770'.

10/25/94: Capped bridge plug with 4' cement (new PBTD @ 11762').

10/26/94: Swabbed. Would not flow.



14. I hereby certify that the foregoing is true and correct.

SIGNATURE

TITLE

Engineering Assistant

DATE

3/13/95

TYPE OR PRINT NAME

Darrell J. Carriger

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Form approved.  
Budget Bureau No: 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ CORY ☐ Other ☐  
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESER. ☐ Other ☐

2. NAME OF OPERATOR  
TEXACO EXPLORATION & PRODUCTION INC.

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 2180' FSL & 1980' FEL, UNIT LETTER J

At top prod. interval reported below SAME

At total depth SAME

API #

CONFIDENTIAL

14. PERMIT NO.

DATE ISSUED

07-22-92

12. COUNTY OR PARISH  
EDDY

13. STATE  
NM

API #: 30-015-27088

15. DATE SPUDDED  
08-05-92

16. DATE T.D. REACHED  
09-17-92

17. DATE COMPL. (Ready to prod.)  
10-04-92

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)  
GR-3760', KB-3777'

19. ELEV. CASING HEAD  
3760'

20. TOTAL DEPTH, MD & TVD  
12050'

21. PLUG BACK T.D., MD & TVD  
11900'

22. IF MULTIPLE COMPL. HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS  
0 - 12050'

CABLE TOOLS

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)\*  
11614' - 11777': MORROW

25. WAS DIRECTIONAL SURVEY MADE  
YES

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR-DLL-MSFL-CAL, GR-CSL-CAST, GR-CCL-DSN-SDL

27. WAS WELL CORED  
NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
11 3/4	42#	653'	14 3/4	400 SX, TOC @ 100' BY TS. 1	
				INCHED TO SURFACE W/190 SX	
8 5/8	32#	5000'	11	1770 SX, CRC. 115 SX	
5 1/2	17#	12050'	7 7/8	SEE ATTACHED SUNDRY NOTICE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8		11495'

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size, and number)

11614' - 11618', 11718' - 11722', 11742' - 11758',  
11770' - 11777' W/4 JSPF (168 HOLES)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
11618' - 11777'	ACID - 500 GAL 7 1/2% NEFE

33.\* PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping- size and type of pump)				WELL STATUS (Producing or shut-in)	
10-05-92		FLOWING				SHUT IN	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL - BBL.	GAS - MCF.	WATER - BBL.	GAS - OIL RATIO
10-13-92	20	11/64		57	1580	0	27719
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24 HOUR RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)	
2500			68	5268 CAOF	0	54.4	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
VENTED FOR TEST PURPOSES ONLY

TEST WITNESSED BY  
M. D. ELMORE

35. LIST OF ATTACHMENTS

DEVIATION SURVEY, SUNDRY NOTICE

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED CP Basham/RDC

TITLE DRILLING OPERATIONS MANAGER

DATE 10-27-92

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries).

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
MORROW	11614'	11777'	

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
RUSTLER	627'	
YATES	1988'	
SEVEN RIVERS	2362'	
BOWERS SAND	2778'	
QUEEN	2994'	
PENROSE	3178'	
GRAYBURG	3970'	
SAN ANDRES	3767'	
BONE SPRING	6880'	
2ND SAND	7281'	
3RD SAND	8464'	
WOLF CAMP	8648'	
PENNSYLVANIAN	10040'	
STRAWN	10821'	
ATOKA	10986'	
MORROW	11311'	
MISSISSIPPIAN	11910'	

WELL NAME AND NUMBER: Dow "B" 33 Federal #1  
LOCATION: Sec. 33, T17S, R31E, Eddy County, New Mexico  
OPERATOR: Texaco Exploration & Production, Inc.  
DRILLING CONTRACTOR: ZIADRIL, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well, and that he has conducted deviation tests and obtained the following results:

<u>DEGREES and DEPTH</u>		<u>DEGREES and DEPTH</u>		<u>DEGREES and DEPTH</u>	
.75	191'	1.75	5,996'	2.00	7,761'
.25	370'	3.25	6,465'	2.25	7,855'
.25	570'	4.25	6,559'	2.25	7,950'
.25	1,052'	4.75	6,621'	2.00	8,045'
.50	1,424'	4.50	6,654'	2.50	8,139'
1.00	1,799'	4.50	6,685'	2.25	8,231'
1.25	2,195'	4.25	6,748'	2.25	8,325'
.50	2,392'	5.00	6,810'	2.00	8,439'
.50	2,790'	5.50	6,873'	2.00	8,539'
.75	3,270'	5.00	6,936'	2.00	8,665'
1.00	3,642'	3.00	7,038'	2.00	8,911'
.75	4,054'	1.50	7,133'	1.50	9,221'
.75	4,429'	2.00	7,260'	1.25	9,721'
.75	4,825'	2.50	7,384'	1.75	10,220'
.75	5,000'	1.75	7,479'	.50	10,711'
1.25	5,463'	2.50	7,574'	.75	11,211'
2.00	5,904'	2.00	7,668'	.25	11,710'
				1.50	12,050'


Drilling Contractor: ZIADRIL, Inc.

By:   
Kenneth D. McPeters

Subscribed and sworn to before me this 22nd day of September, 1992.

My Commission Expires:

September 13, 1996

  
Notary Public  
Lea County, New Mexico

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
RECEIVED

NM OIL CONS COMMISSION  
Drawer DD  
Artesia, NM 88210

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

'94 JUN 13 6 50  
SUNDAY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT --" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well: ☐ OIL WELL ☒ GAS WELL ☐ OTHER

2. Name of Operator

TEXACO EXPLORATION & PRODUCTION INC. ARTESIA, OFFICE

3. Address and Telephone No. P.O. BOX 730, HOBBS, NM 88240 397-0431

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Unit Letter : Feet From The Line and Feet From The

Line Section 33 Township 17-S Range 31-E

5. State Oil / Gas Lease No.

LC-029420-B

6. If Indian, Alottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and Number

DOW "B" 33 FEDERAL

#1, #2

9. API Well No. 30-015-27068 #1  
30-015-27675 #2

10. Field and Pool, Exploatory Area  
CEDAR LAKE MORROW EAST

11. County or Parish, State

EDDY, NEW MEXICO

12. Check Appropriate Box(s) To Indicate Nature of Notice, Report, or Other Data

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Attering Casing  
☒ OTHER: change meth. of water disposal  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

ALL WATER PRODUCED FROM THE DOW "B" FEDERAL LEASE WILL BE HAULED TO THE SKELLY UNIT TO BE USED AS INJECTANT AT THE SKELLY UNIT.

- A- PRODUCING FORMATION: CEDAR LAKE MORROW EAST  
B- AMOUNT OF WATER PRODUCED PER DAY: APPROXIMATELY 2 BWPD  
C- CURRENT WATER ANALYSIS ATTACHED  
D- WATER STORAGE: A SEPARATE 210 BARREL FIBERGLASS TANK IS USED FOR WELLS #1 AND #2.  
E- WATER MOVED BY: THE WATER IS HAULED BY EITHER ROWLAND TRUCKING OR I AND W TRANSPORTATION.  
F- INJECTION SYSTEM TO WHICH THE WATER IS HAULED:

SKELLY UNIT WATER FLOOD

LEGAL: SEC. 22, TOWN. 17S, RANGE 31E

OWNER: TEXACO EXPLORATION AND PRODUCTION

14. I hereby certify that the foregoing is true and correct

SIGNATURE Darrell J. Carriger TITLE Engineering Assistant DATE 4/5/94

TYPE OR PRINT NAME Darrell J. Carriger

(This space for Federal or State office use)

APPROVED BY (ORIG. SGD.) JOE G. LARA TITLE PETROLEUM ENGINEER DATE 6/10/94  
CONDITIONS OF APPROVAL, IF ANY: See attached

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

I

Unichem International

707 North Leech

P.O.Box 1499

Hobbs, New Mexico 88240

Company : Texaco Inc.

Date : 3-24-1994

Location: ~~Dow~~ FED (on 3-17-1994)

Sample 1

Specific Gravity:

1.002

Total Dissolved Solids:

3358

pH:

6.40

IONIC STRENGTH:

0.064

=====

CATIONS:		me/liter	mg/liter
Calcium	(Ca+2)	5.00	100
Magnesium	(Mg+2)	7.20	87.5
Sodium	(Na+1)	45.4	1040
Dissolved Iron	(Fe+2)	17.9	500

ANIONS:			
Bicarbonate	(HCO3-1)	3.40	207
Carbonate	(CO3-2)	0	0
Hydroxide	(OH-1)	0	0
Sulfate	(SO4-2)	0	0
Chloride	(Cl-1)	54.2	1920

DISSOLVED GASES

Carbon Dioxide	(CO2)	220
Hydrogen Sulfide	(H2S)	0

=====

SCALING INDEX (positive value indicates scale)

Temperature		Calcium Carbonate	Calcium Sulfate
86[F	30[C	-1.0	-19
110[F	43[C	-0.27	-19
130[F	54[C	0.07	-19
140[F	60[C	0.26	-19
160[F	71[C	0.66	-18

Comments:

Analysis performed by Bob Wallace - Hobbs Lab

cc: Jay Brown

Joe Hay

I

BUREAU OF LAND MANAGEMENT  
CARLSBAD RESOURCE AREA

Disposal of Produced Water From Federal Wells

Conditions of Approval

Approval of the produced water disposal methodology is subject to the following conditions of approval:

1. This agency be notified of any change in your method or location of disposal.
2. Compliance with all provisions of Onshore Oil and Gas Order No. 7.
3. This agency shall be notified of any spill or discharge as required by NTL-3A.
4. This agency reserves the right to modify or rescind approval whenever it determines continued use of the approved method may adversely affect the surface or subsurface environments.
5. All aboveground structures on the lease shall be painted sandstone brown, Federal Std. 595-20318, or 30318, within 90 days if you have not already done so.
6. Any on lease open top storage tanks or pits shall be covered with a wire screen or plastic/nylon netting to prevent entry by birds and other wildlife.
7. This approval does not constitute right-of-way approval for any off lease activities. If water is transported via a pipeline that extends beyond the lease boundary, you need to submit within 30 days an application for right-of-way approval to the Realty Section in this office if you have not already done so.



Form 3165  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NM OIL CONS COMMISSION

Drawer DD

Artesia, NM 88210

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

LC-029420-B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

DOW B 33 FEDERAL #1

9. API Well No.

30-015-27068

10. Field and Pool, or Exploratory Area

CEDAR LAKE MORROW EAST

11. County or Parish, State

EDDY COUNTY, NEW MEXICO

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Texaco Exploration and Production Inc.

3. Address and Telephone No.

P.O. Box 730, Hobbs, NM 88240

505-393-7191

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

UNIT LETTER J, 2180' FSL & 1980' FEL  
SEC. 33, T-17-S, R-31-E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other METHOD OF WATER DISPOSAL

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

IN REPLY TO NOTICE OF INCIDENTS OF NONCOMPLIANCE NUMBER NM-067-93-DE-1069, INSPECTOR DON EARLY  
DETAILS OF WATER DISPOSAL:

- (A) PRODUCING FORMATION: Cedar Lake Morrow East  
(B) AMOUNT OF WATER PRODUCED PER DAY: App 1 barrel per day  
(C) CURRENT WATER ANALYSIS ATTACHED  
(D) WATER STORAGE: 210 barrel fiberglass tank  
(E) WATER MOVED BY: Hauled by Rowland Trucking to approved salt water disposal wells.  
(F) DISPOSAL WELLS TO WHICH WATER IS TRUCKED:

DISPOSAL WELL	ID#	OWNER	LEGAL
Myrtle Myre SWD	SWD-391	Ray Westall	Sec 32, T-21-S, R-27-E
RA State SWD	SWD-188	Rowland Trucking	Sec 31, T-18-S, R-36-E

(G) PITS: No pits at any of these SWD'S

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

14. I hereby certify that the foregoing is true and correct

Signed

Title ENGINEER'S ASSISTANT

Date 7-21-93

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side

I

Unichem International

707 North Leech

P.O.Box 1499

Hobbs, New Mexico 88240

FEB 17 1994

Company :  
Date : 07-06-1993  
Location: DOW-B - 33 FED #1 (on 7-2-1993)

	Sample 1
Specific Gravity:	1.026
Total Dissolved Solids:	36590
pH:	6.10
IONIC STRENGTH:	0.632

=====

CATIONS:		me/liter	mg/liter
Calcium	(Ca+2)	3.33	66.7
Magnesium	(Mg+2)	4.00	48.6
Sodium	(Na+1)	618	14200
Iron (total)	(Fe+2)	17.9	500

ANIONS:			
Bicarbonate	(HCO3-1)	2.00	122
Carbonate	(CO3-2)	0	0
Hydroxide	(OH-1)	0	0
Sulfate	(SO4-2)	2.95	142
Chloride	(Cl-1)	621	22000

=====

SCALING INDEX (positive value indicates scale)

Temperature		Calcium Carbonate	Calcium Sulfate
86[F	30[C	-2.6	-68
110[F	43[C	-1.9	-68
130[F	54[C	-1.5	-68
140[F	60[C	-1.3	-68
160[F	71[C	-0.94	-64

Comments:  
cc: Jay Brown  
Joe Hay

I

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

OIL CONSERVATION DIVISION P.O. Box 2088

RECEIVED Santa Fe, New Mexico 87504-2088

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Operator Texaco Exploration and Production Inc.	Well API No. 30-015-27068
Address P. O. Box 730 Hobbs, New Mexico 88240-2528	
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)	
New Well <input checked="" type="checkbox"/>	Change in Transporter of:
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
If change of operator give name and address of previous operator	

II. DESCRIPTION OF WELL AND LEASE

Lease Name DOW "B" 33 FEDERAL	Well No. 1	Pool Name, Including Formation WILDCAT MORROW	Kind of Lease State, Federal or Fee FEDERAL	Lease No. LC-029420-B
Location Unit Letter <u>J</u> : <u>2180</u> Feet From The <u>SOUTH</u> Line and <u>1980</u> Feet From The <u>EAST</u> Line Section <u>33</u> Township <u>17-S</u> Range <u>31-E</u> , <u>NMPM</u> , <u>EDDY</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil TTTI	<input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) P.O. Box 6196 MIDLAND, TEXAS 79711				
Name of Authorized Transporter of Casinghead Gas CONOCO INC.	<input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) 10 DESTA DRIVE 100 WEST MIDLAND, TEXAS 79705				
If well produces oil or liquids, give location of tanks.	Unit J	Sec. 33	Twp. 17S	Rge. 31E	Is gas actually connected? NO	When ?

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
		X	X					
Date Spudded 8-5-92	Date Compl. Ready to Prod. 10-4-92	Total Depth 12050'	P.B.T.D. 11900'					
Elevations (DF, RKB, RT, GR, etc.) GR-3760', KB-3777'	Name of Producing Formation MORROW	Top Oil/Gas Pay 11614'	Tubing Depth 11495'					
Perforations 11614-11618, 11718-11722, 11742-11758, 11770-11777 W/4 JSPF 168 HLES			Depth Casing Shoe 12050'					
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE 14 3/4	CASING & TUBING SIZE 11 3/4	DEPTH SET 653'	SACKS CEMENT 400 SX, TOC @ 100' BY TS					
11	8 5/8	5000'	1" TO SURFACE W/190 SX					
7 7/8	5 1/2	12050'	1770 SX. (CIRC) 2300 SX, TOC @ 4000'					

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D 1580 MCF	Length of Test 20 HRS	Bbls. Condensate/MMCF 57	Gravity of Condensate 54.4
Testing Method (pilot, back pr.) FLOWING	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size 11/64

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature Monte C. Duncan  
Printed Name MONTE C. DUNCAN Title ENGR. ASST.  
Date 11-20-92 Telephone No. 505-393-7191

OIL CONSERVATION DIVISION

Date Approved DEC 30 1992

By ORIGINAL SIGNED BY  
MIKE WILLIAMS  
Title SUPERVISOR, DISTRICT II

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

omit in duplicate to  
appropriate district office  
See Rule 401 & Rule 1122

NOV 4 1992

## OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

## MULTIPOINT AND ONE POINT BACK-PRESSURE TEST FOR GAS WELL

Tight hole -  
Circumferentially  
Requested

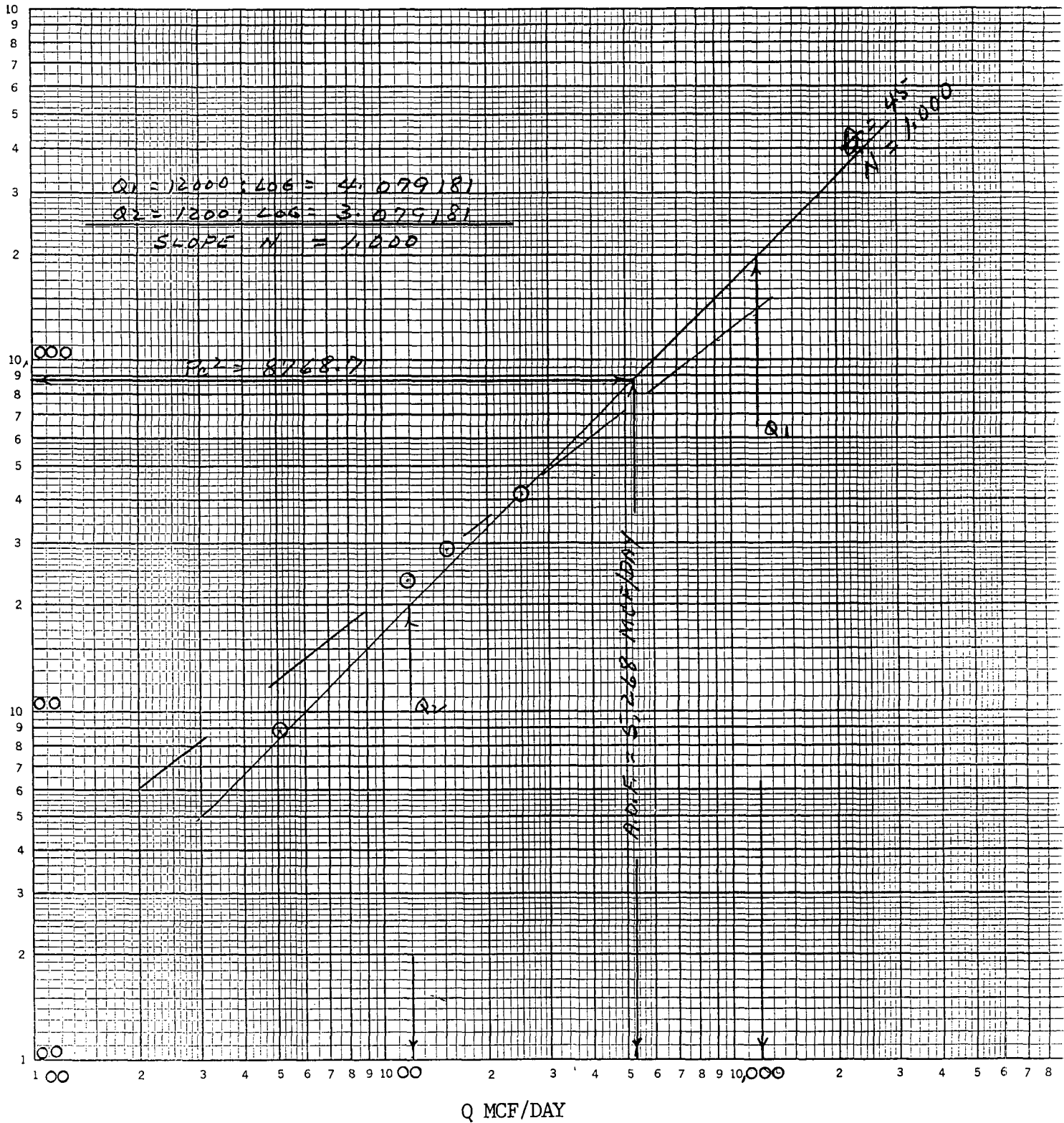
Operator TEXACO, INC. v					Lease or Unit Name DOW B 33 FED.					
Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special					Test Date 10-13-92		Well No. 1			
Completion Date 10-5-92		Total Depth 12050		Plug Back TD 11900		Elevation		Unit Lr. - Sec. - TWP - Rge. 33 17 31		
Csg. Size 5 1/2	Wt. 17	d	Set At 12050	Perforations: From: 11614 To: 11777			County Eddy			
Tbg. Size 2 7/8	Wt. 6.5	d	Set At 11493	Perforations: From: To:			Pool			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Packer Set At 11493			Formation Morrow			
Producing Thru tbg.		Reservoir Temp. °F 188.9 @ 11493		Mean Annual Temp. °F 60		Baro. Press - P <sub>a</sub> 13.2		Connection vented		
L 11493	H 11493	Gg .658	% CO <sub>2</sub> .54	% N <sub>2</sub> .52	% H <sub>2</sub> S	Prover		Meter Run 4.026	Taps Flg.	
FLOW DATA					TUBING DATA		CASING DATA			
NO.	Prover Line Size	Orifice X Size	Press. p.s.i.g.	Diff. h <sub>w</sub>	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI						2948		Pkr.		72 hr.
1.	4 X 1.500		540	2.6	105	2793		"		1 hr.
2.	4 X 1.500		558	13.00	77	2521		"		1 hr.
3.	4 X 1.500		558	20.00	55	2405		"		1 hr.
4.	4 X 1.500		558	56.00	70	2113		"		1 hr.
5.										
RATE OF FLOW CALCULATIONS										
NO.	COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor Ft.	Gravity Factor Fg.	Super Compress. Factor, F <sub>pv</sub> .	Rate of Flow Q, Mcfd			
1.	10.84	37.93	553.2	.9594	1.233	1.044	508			
2.	10.84	86.17	571.2	.9840	1.233	1.058	1199			
3.	10.84	106.88	571.2	1.005	1.233	1.068	1533			
4.	10.84	178.85	571.2	.9905	1.233	1.058	2505			
5.										
NO.	P <sub>r</sub>	Temp. °R	T <sub>r</sub>	Z	Gas Liquid Hydrocarbon Ratio 289		Mcf/bbl.			
1.	.82	565	1.50	.918	A.P. I. Gravity of Liquid Hydrocarbons 53.0 @ 60°		Deg.			
2.	.85	537	1.743	.893	Specific Gravity Separator Gas .658		XXXXXXXXXX			
3.	.85	515	1.37	.876	Specific Gravity Flowing Fluid XXXXXX		6 Mix. = .760			
4.	.85	530	1.41	.893	Critical Pressure 670		P.S.I.A.		669	P.S.I.A.
5.					Critical Temperature 375		R		382	R
P <sub>c</sub> 2961.2		P <sub>c</sub> 8768.7								
NO.	P <sub>i</sub> <sup>2</sup>	P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.103$		(2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.103$			
1.		2806.8	7878.2	890.5						
2.		2537.8	6440.6	2328.1						
3.		2424.4	5877.5	2891.2						
4.		2144.4	4598.6	4170.1						
5.										
Absolute Open Flow 5,268					Mcf/d @ 15.025		Angle of Slope θ 45		Slope, n 1.000	
Remarks: Well made 8.3 BBLs 53.0 @ 60° Condensate during test.										
Approved By Division			Conducted By: PRO WELL TESTERS			Calculated By: B.M.			Checked By: B.M.	

SUGGESTED FIELD DATA SHEET (Not Required To File)									
Type Test		<input checked="" type="checkbox"/> INITIAL		<input type="checkbox"/> ANNUAL		<input type="checkbox"/> SPECIAL		Test Date 10-13-92	
Company		TEXACO, INC.		Connection				Lease No. or Serial No.	
Field		Reservoir Morrow		Location				Unit	
Completion Date 10-5-92		Total Depth 12050		Plug Back TO 11900		Elevation		Form or Lease Name DOW B 33 FED.	
Csg. Size 5 1/2		Wt. 17		Set At 12050		Perforation From 11614		To 11777	
Tbg. Size 2 7/8		Wt. 6.5		Set At 11493		Perforation: From To		Well No. 1	
Type Completion (Describe) Single		Packer Set At		County or Parish Eddy		State N.M.		Sec. 33 Twp-dlx 17 Rge. 31	
Producing thru Tbg.		Reservoir Temp. F		Mean Annual Temp. F		Baro. Press. - P <sub>a</sub>		Prover Meter Run 4.026	
C 11493		H 11493		G <sub>g</sub> .658		% CO <sub>2</sub> .54		% N <sub>2</sub> .52	
DATE		ELAP. TIME		Wellhead Working Pressure		METER OR PROVER		REMARKS	
Time of Reading		Hrs.		Tbg. Psig. Csg. Psig. Temp F		Pressure Psig. Diff. Temp F Orifice		( Include liquid Production data ) Type-A.P.I. Gravity-Amount	
SIP		72		2948 Pkr.				-10 Chart 100 - 1500#	
1st		1		2793 "		540 2.6 105 1.500		464	
2nd		1		2521 "		558 13.00 77		1111	
3rd		1		2405 "		558 20.00 55		1387	
4th		1		2113 "		558 56.00 70		2311	
								8.3 BBLs Cond.	
								53.0 @ 60°	

TEXACO, INC.  
 Dow B 33 Federal, Well #1  
 33-17-31  
 Eddy County, New Mexico  
 10-13-92

PC<sup>2</sup>-PW<sup>2</sup> (thsnds) 46 7400

K<sub>1</sub>Σ LOGARITHMIC 3 X 3 CYCLES  
 KEUFFEL & ESSER CO. MADE IN U.S.A.



# Laboratory Services

1331 Tasker Drive  
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR:

Texaco E & P Inc.

Attention: Mr. Richard Lemmons

P. O. Box 730

Hobbs, New Mexico 88240

SAMPLE

IDENTIFICATION: Dow B 33 Federal #1

COMPANY: TEPI

LEASE:

PLANT:

SAMPLE DATA: DATE SAMPLED: 10-13-92 12:25 PGAS (XX) LIQUID ( )  
ANALYSIS DATE: 12-13-92 SAMPLED BY: Richard Lemmons  
PRESSURE - PSIG 558.00 ANALYSIS BY: Vickie Walker  
SAMPLE TEMP. °F 60.00  
ATMOS. TEMP. °F 78.00  
REMARKS: H2S = 0

## COMPONENT ANALYSIS

COMPONENT		MOL PERCENT	GPM
Oxygen	(O2)		
Hydrogen Sulfide	(H2S)	0.00	
Nitrogen	(N2)	0.52	
Carbon Dioxide	(CO2)	0.54	
Methane	(C1)	85.80	
Ethane	(C2)	8.40	2.241
Propane	(C3)	3.24	0.892
I-Butane	(IC4)	0.36	0.117
N-Butane	(NC4)	0.70	0.220
I-Pentane	(IC5)	0.15	0.055
N-Pentane	(NC5)	0.13	0.047
Hexane	(C6+)	0.16	0.067
Heptanes Plus	(C7)	0.00	0.000
		100.00	3.639

BTU/CU.FT. - DRY	1150	MOLECULAR WT	19.0598
AT 14.650 DRY	1147		
AT 14.650 WET	1127	26# GASOLINE -	0.242
AT 15.025 DRY	1176		
AT 15.025 WET	1156		

SPECIFIC GRAVITY -  
CALCULATED  
MEASURED

0.658  
0.000

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CONTACT RECEIVING  
OFFICE FOR NUMBER  
OF COPIES REQUIRED  
(Other instructions on  
reverse side)

30-015-27068  
BLM Roswell District  
Modified Form No.  
NM060-3160-2

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. LC-029420-B	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> WILDCAT <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME 254	
2. NAME OF OPERATOR TEXACO EXPLORATION AND PRODUCTION INC.		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 3109, Midland, Texas 79702		8. FARM OR LEASE NAME DOW 'B' 33 FEDERAL	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 2180' FSL & 1980' FEL, UNIT LETTER: J At proposed prod. zone SAME		9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 4 MILES EAST OF LOCO HILLS, NEW MEXICO		10. FIELD AND POOL, OR WILDCAT WILDCAT	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1980'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 33, T-17-S, R-31-E	
16. NO. OF ACRES IN LEASE 720		12. COUNTY OR PARISH EDDY	
17. NO. OF ACRES ASSIGNED TO THIS WELL 320/40		13. STATE NM	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1st WELL 12,100'		20. ROTARY OR CABLE TOOLS ROTARY	
21. ELEVATIONS (Show Whether DF, RT, GR, ETC.) GR-3760'		22. APPROX. DATE WORK WILL START* JULY 20, 1992	

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	675' CIRCULATED	1450 SACKS
11	8 5/8	32#	J-55 & S-80	LT&C	5000' (+ tie back)	1450 SACKS
7 7/8	5 1/2	17#	J-55 & L-80	LT&C	12100' (+ 6 above Wolfcamp or BS)	2650 SACKS

CEMENTING PROGRAM: CONDUCTOR - REDIMIX.

SURFACE CASING - 450 SACKS CLASS C w/ 2% GEL & 2% CaCl<sub>2</sub> (14.1ppg, 1.51f3/s, 7.6gw/s).  
INTERMEDIATE CASING - 1200 SACKS 35/65 POZ CLASS H w/ 6% GEL, 5% SALT & 1/4# FLOCELE (12.8ppg, 1.87f3/s, 9.9gw/s). F/B 250 SACKS CLASS H w/ 2% CaCl<sub>2</sub> (15.6ppg, 1.19f3/s, 5.2gw/s).  
PRODUCTION CASING - 1st STAGE: 850 SACKS 50/50 POZ CLASS H w/ 2% GEL, 5% SALT & 1/4# FLOCELE (14.2ppg, 1.28f3/s, 5.75gw/s) F/B 500 SACKS CLASS H (15.6ppg, 1.18f3/s, 5.2gw/s). DV TOOL @ 8700. 2nd STAGE: 1000 SACKS 50/50 POZ CLASS H w/ 2% GEL, 5% SALT & 1/4# FLOCELE (14.2ppg, 1.28f3/s, 5.75gw/s). F/B 300 SACKS CLASS H (15.6ppg, 1.18f3/s, 5.2gw/s).

THERE ARE NO OTHER OPERATORS IN THIS QUARTER 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 preventer program, if any.

24.

SIGNED C.P. Basham / cwh TITLE DRILLING OPERATIONS MANAGER DATE 06-25-92

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY Ron Duvitt TITLE \_\_\_\_\_ DATE 7-22-92

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO

GENERAL REQUIREMENTS AND

SPECIAL STIPULATIONS

\*See Instructions On Reverse Side

TITLE 18 U.S.C. SECTION 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



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

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

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

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPLORATION AND PRODUCTION INC.			Lease DOW "B" 33 FEDERAL		Well No. 1
Unit Letter J	Section 33	Township 17-South	Range 31-East	NMPM	County EDDY
Actual Footage Location of Well: 2180 feet from the South line and 1980 feet from the East line					
Ground level Elev. 3760	Producing Formation Morrow; Atoka		Pool Widlecot	Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

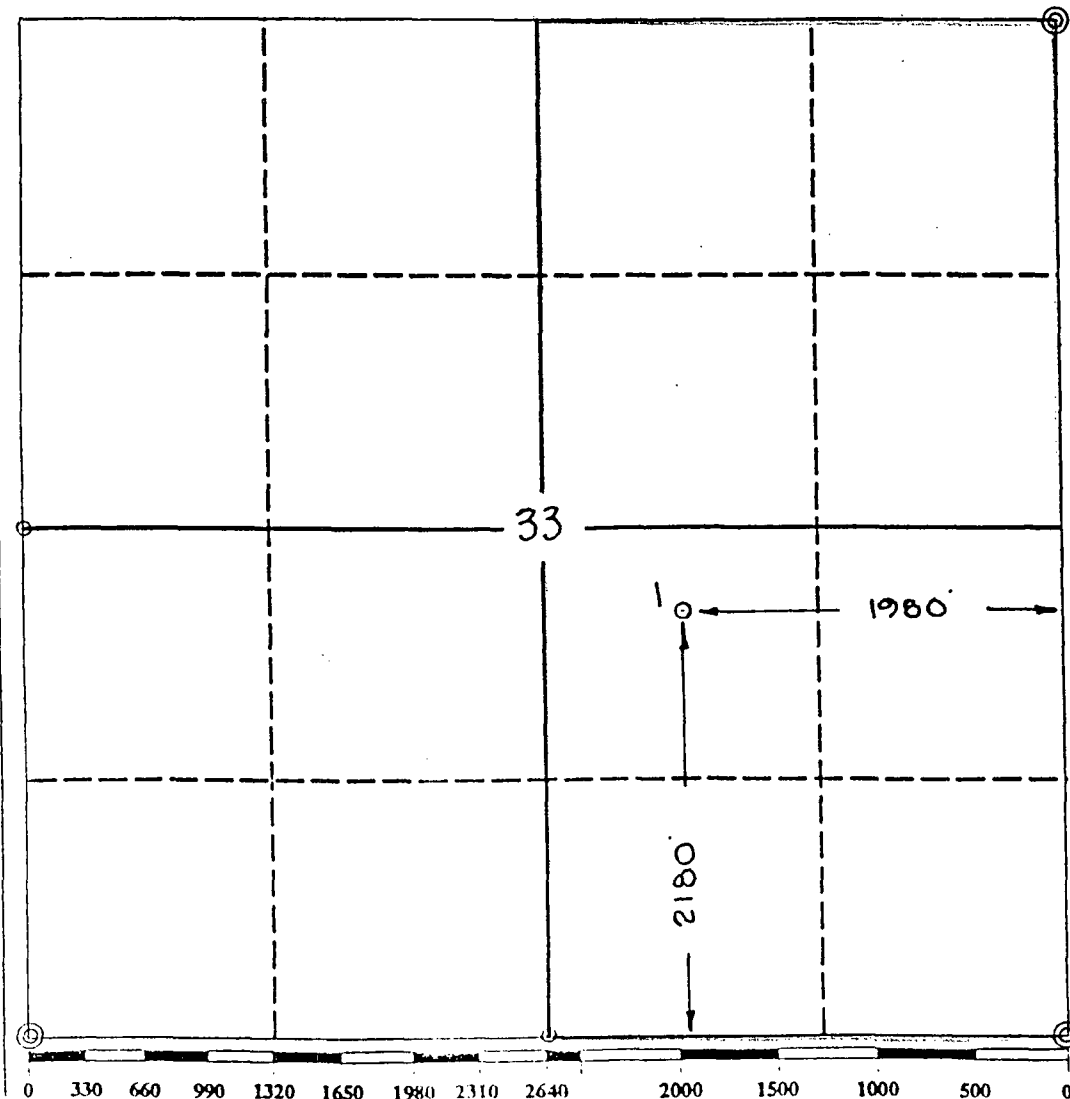
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the 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, forced-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

Printed Name

Royce D. Mariott

Position

Division Surveyor

Company

Texaco Expl. & Prod. Inc.

Date

June 17, 1992

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 16, 1992

Signature & Seal of  
Professional Surveyor

John S. Piper

Certificate No.

7254 John S. Piper

Sheet of

○ = Found 1" Iron Pipe with GLO Brass Cap

⊙ = Found 2 or 3" Iron Pipe with GLO Brass Cap

# OIL CONSERVATION DIVISION

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

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

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

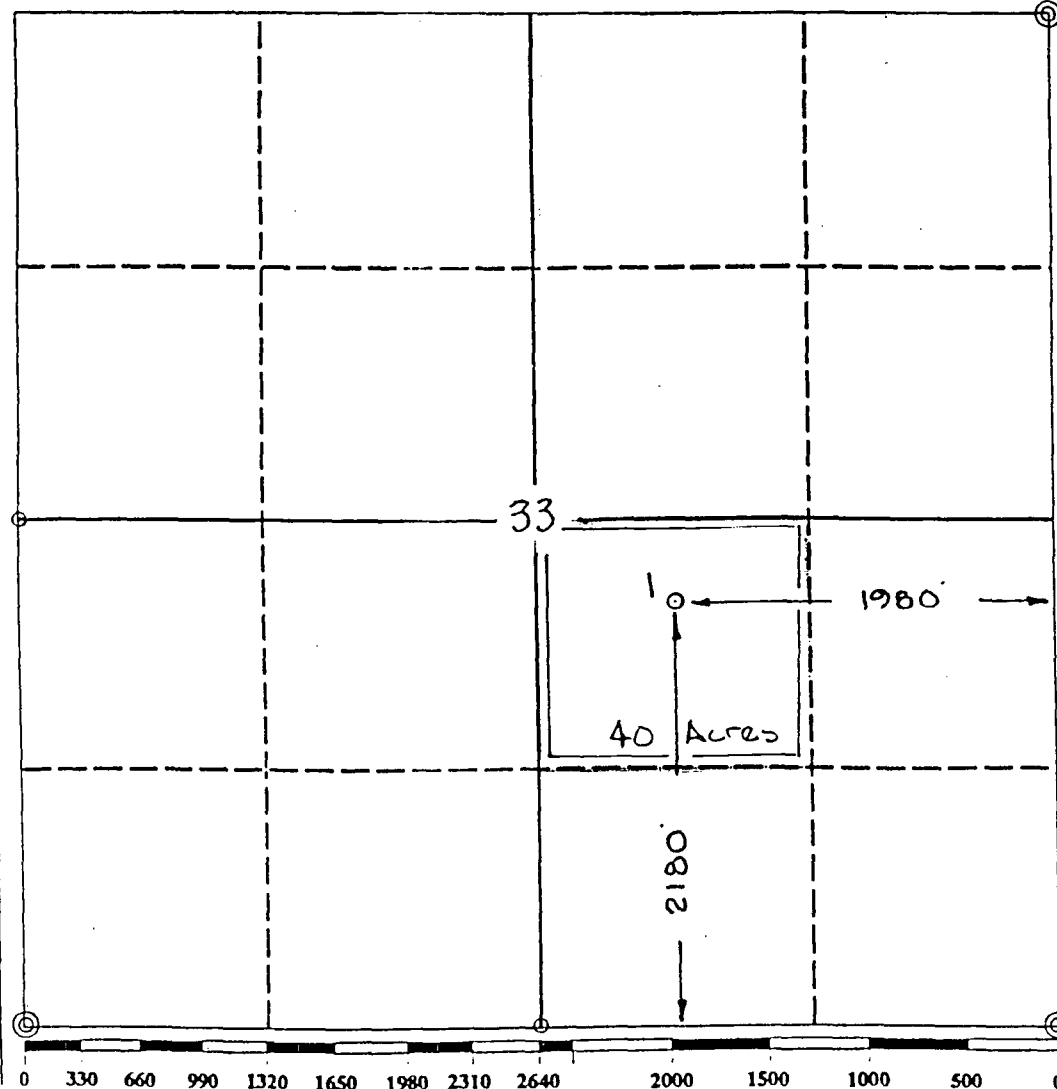
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

## WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPLORATION AND PRODUCTION INC.			Lease DOW "B" 33 FEDERAL		Well No. 1
Unit Letter J	Section 33	Township 17-South	Range 31-East	County NMPM	EDDY
Actual Footage Location of Well: 2180 feet from the South line and 1980 feet from the East line					
Ground level Elev. 3760	Producing Formation Bone Spring		Pool Widlicat	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure 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, forced-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

*Royce D. Mariott*

Printed Name

Royce D. Mariott

Position

Division Surveyor

Company

Texaco Expl. & Prod. Inc.

Date

June 17, 1992

### 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 16, 1992

Signature & Seal of  
Professional Surveyor

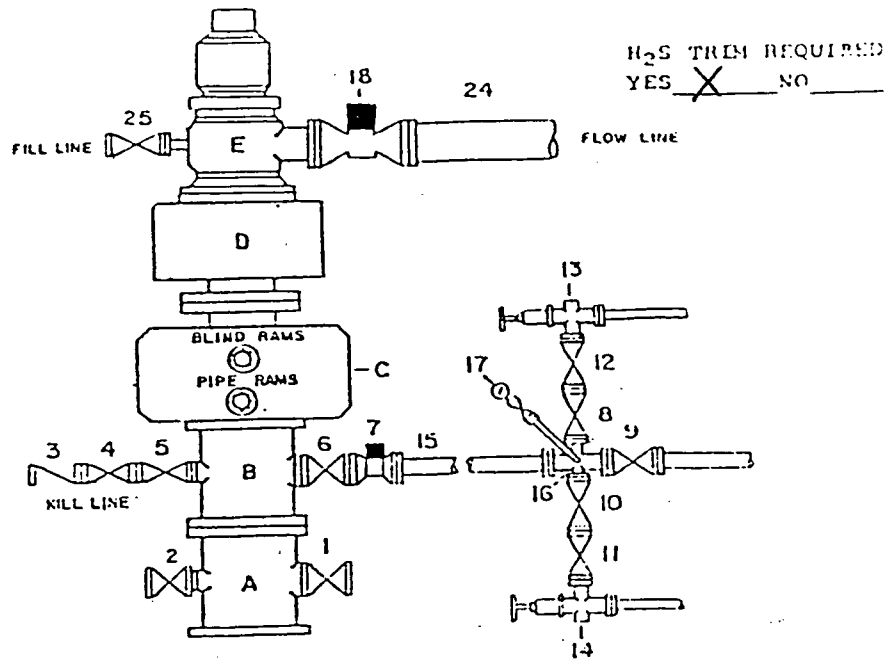
*John S. Piper*

Certificate No.

7254 John S. Piper

Sheet of

# 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 Blosie 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                   | 6" minimum 1000# hydraulic flanged valve.  |
| 24                   | 8" minimum steel flow line.  |
| 25                   | 2" minimum 3000# W.P. flanged or threaded full opening steel gate valve, or Halliburton Lo Torc Plug valve.            |



TEXACO, INC.

WILKES BARRE, PA.  
WILKES BARRE, PA.



**WRS COMPLETION REPORT**

REISSUES SEC 33 TWP 17S RGE 31E  
PI# 30-T-0001 11/15/96 30-015-27068-0001 PAGE 1

NMEX EDDY \* 2180FSL 1980FEL SEC NW SE  
STATE COUNTY FOOTAGE SPOT  
TEXACO EXPL & PROD WSX WS  
OPERATOR WELL CLASS INIT FIN  
1 DOW 'B' 33 FEDERAL  
WELL NO. LEASE NAME  
3760GR UNNAMED  
OPER ELEV FIELD/POOL/AREA  
API 30-015-27068-0001  
LEASE NO. PERMIT OR WELL I.D. NO.  
10/18/1995 10/09/1996 WO-UNIT VERT D&AW  
SPUD DATE COMP. DATE TYPE TOOL HOLE TYPE STATUS  
3750 GRAYBURG NOT RPTD  
PROJ. DEPTH PROJ. FORM CONTRACTOR  
DTD 12050 OTD 12050 FM/TD MORROW  
DRILLERS T.D. LOG T.D. PLUG BACK TO OLD T.D. FORM T.D.

**LOCATION DESCRIPTION**

7 MI SE LOCO HILLS, NM

**WELL IDENTIFICATION/CHANGES**

FINAL STATUS CHGD FROM TA

**PRODUCTION TEST DATA**

MORROW PERF 11614-11777  
PERF 11614-11777  
BRPG @ 7965 11614-11777  
GRAYBURG PERF W/ 104/IT 3688- 3726  
PERF 3688- 3726  
ACID 3688- 3726 3000GALS  
15% NEFE HCL  
PLUG @ 1830 3688- 3726

**LOGS AND SURVEYS /INTERVAL,TYPE/**

LOGS 3000- 4000 GR 3000- 4000 CCL 3000- 4000 CBL

**PLUGGING RECORD /INTERVAL PLUGGED CEMENT/**

3777- 3937 25 SACKS 1830- 1950 65 SACKS  
564- 703 160 SACKS 0- 100 15 SACKS  
PERF 3885, UNABLE TO PUMP INTO PERFS  
PERF 1950, 703 & SQZ

CONTINUED IC# 300157000896

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**Petroleum Information  
Corporation**

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TEXACO EXPL & PROD  
1 DOW 'B' 33 FEDERAL

WSX WS

DRILLING PROGRESS DETAILS

TEXACO EXPL & PROD  
BOX 3109  
MIDLAND, TX 79702  
915-688-4100

OWWO: OLD INFO: FORMERLY TEXACO EXPL & PROD  
1 DOW 'B' 33 FEDERAL. ELEV 3760 GR, 3777 KB.  
SPUD 8/5/92. 11 3/4 @ 653 W/590 SX, 8 5/8 @  
5000 W/1770 SX, 5 1/2 @ 12050 W/2300 SX. OTD  
12050. PB 11900. COMP 10/4/92. IPCAOF 21882  
MCFGPD. PROD ZONE: MORROW 11614-11777.

10/15  
11/12

LOC/1995/  
12050 TD

11/12

COMP 10/9/96, D&A  
REISSUE TO CORRECT FINAL STATUS & ADD  
PLUG DETAILS  
REPLACEMENT FOR TICKET ISSUED 1/12/96

**WRS COMPLETION REPORT**

COMPLETIONS SEC 33 TWP 17S RGE 31E  
PI# 30-T-0009 01/12/96 30-015-27068-0001 PAGE 1

NMEX EDDY \* 2180FSL 1980FEL SEC NW SE  
STATE COUNTY FOOTAGE SPOT

TEXACO EXPL & PROD WSX WS  
OPERATOR WELL CLASS INIT FIN

1 DOW 'B' 33 FEDERAL  
WELL NO. LEASE NAME

3760GR UNNAMED  
OPER ELEV FIELD/POOL/AREA

API 30-015-27068-0001  
LEASE NO. PERMIT OR WELL I.D. NO.

10/18/1995 10/25/1995 WO-UNIT VERT TAW  
SPUD DATE COMP. DATE TYPE TOOL HOLE TYPE STATUS

3750 GRAYBURG NOT RPTD  
PROJ. DEPTH PROJ. FORM CONTRACTOR

DTD 12050 PB 7965 OTD 12050 FM/TD MORROW  
DRILLERS T.D. LOG T.D. PLUG BACK TO OLD T.D. FORM T.D.

**LOCATION DESCRIPTION**

7 MI SE LOCO HILLS, NM

**PRODUCTION TEST DATA**

MORROW PERF 11614-11777  
PERF 11614-11777  
BRPG @ 7965 11614-11777

GRAYBURG PERF W/ 104/IT 3688- 3726  
PERF 3688- 3726  
ACID 3688- 3726 3000GALS  
15% NEFE HCL  
WELL SI PENDING EVAL

**LOGS AND SURVEYS /INTERVAL,TYPE/**

LOGS 3000- 4000 GR 3000- 4000 CCL 3000- 4000 CBL

**DRILLING PROGRESS DETAILS**

TEXACO EXPL & PROD  
BOX 3109  
MIDLAND, TX 79702  
915-688-4100  
OWWO: OLD INFO: FORMERLY TEXACO EXPL & PROD  
1 DOW 'B' 33 FEDERAL. ELEV 3760 GR, 3777 KB.  
SPUD 8/5/92. 11 3/4 @ 653 W/590 SX, 8 5/8 @

CONTINUED IC# 300157000896

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Corporation**

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COMPLETIONS  
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30-015-27068-0001 PAGE 2

TEXACO EXPL & PROD  
1 DOW 'B' 33 FEDERAL

WSX WS

DRILLING PROGRESS DETAILS

10/15 5000 W/1770 SX, 5 1/2 @ 12050 W/2300 SX. OTD  
01/10 12050. PB 11900. COMP 10/4/92. IPCAOF 21882  
MCFGPD. PROD ZONE: MORROW 11614-11777.  
LOC/1995/  
12050 TD, PB 7965  
COMP 10/25/95, TEMP ABND  
FIRST REPORT & COMPLETION



**WRS COMPLETION REPORT**REISSUES SEC 33 TWP 17S RGE 31E  
PI# 30-T-0002 01/28/94 30-015-27068-0000 PAGE 1

NMEX EDDY \* 2180FSL 1980FEL SEC NW SE  
STATE COUNTY FOOTAGE SPOT  
TEXACO EXPL & PROD WD WDD  
OPERATOR WELL CLASS INIT FIN  
1 DOW "B" 33 FEDERAL  
WELL NO. LEASE NAME  
3777KB 3760GR CEDAR LAKE E  
OPER ELEV FIELD/POOL/AREA  
API 30-015-27068-0000  
LEASE NO. PERMIT OR WELL I.D. NO.  
08/05/1992 10/04/1992 ROTARY VERT GAS  
SPUD DATE COMP. DATE TYPE TOOL HOLE TYPE STATUS  
12100 MORROW ZIADRIL INC 7 RIG SUB 16  
PROJ. DEPTH PROJ. FORM CONTRACTOR  
DTD 12050 PB 11900 FM/TD MORROW  
DRILLERS T.D. LOG T.D. PLUG BACK TO OLD T.D. FORM T.D.

**LOCATION DESCRIPTION**

7 MI SE LOCO HILLS, NM  
3/4 MI W/11893 (MRRW) GAS PROD IN MESQUITE FLD

**WELL IDENTIFICATION/CHANGES**

FIELD CHGD FROM WILDCAT  
FIELD CHGD FROM UNNAMED

**CASING/LINER DATA**

CSG 11 3/4 @ 653 W/ 590 SACKS  
CSG 8 5/8 @ 5000 W/ 1770 SACKS  
CSG 5 1/2 @12050 W/ 2300 SACKS

**TUBING DATA**

TBG 2 3/8 AT 11495

**INITIAL POTENTIAL**

IPF 21BCPD 8861 MCFD 1HRS  
MORROW PERF W/ 168/IT 11614-11777 GROSS  
PERF 11614-11618 11718-11722 11742-11758 11770-11777  
SITP 2758  
@11493FT BHT 189F  
1151MCFD TP 2686 BHFP 2702  
1770MCFD TP 2662 BHFP 2682  
4960MCFD TP 2461 BHFP 2532  
8861MCFD TP 1961 BHFP 2189

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TEXACO EXPL & PROD WD WDD  
1 DOW "B" 33 FEDERAL

INITIAL POTENTIAL

BH 2771 FPCAOF 21882MCFD  
GTY 52.5 GOR 36472  
GAS GTY .662  
FIELD /RESERVOIR  
/MORROW  
1ST PT TEST IN 30 MINS, CK - NO DETAILS  
2ND & 3RD PT TEST IN 60 MINS  
4TH PT TEST IN 75 MINS  
TREATMENT - NO DETAILS

DRILLING PROGRESS DETAILS

TEXACO EXPL & PROD  
BOX 3109  
MIDLAND, TX 79702  
915-688-4100  
07/09 LOC/1992/  
08/04 MIRT  
08/18 DRLG 5393  
08/25 DRLG 6953  
09/01 DRLG 8539  
09/08 DRLG 10753  
09/15 DRLG 11805  
09/30 12050 TD, TITE HOLE  
01/18 12050 TD, PB 11900, WOPT  
RIG REL 09/20/92  
02/01 12050 TD, PB 11900  
COMP 10/4/92, IPF 8861 MCFGPD, CAOF 21882,  
21 BCPD, GTY 52.5, GAS GTY  
.662, GLR 36472-1, SITP  
2758, BHSIP 2771  
PROD ZONE - MORROW 11614-11777  
TITE HOLE  
02/01 (MORROW DISCOVERY - DEEPER POOL)  
09/20 REISSUE TO CORRECT FIELD  
REPLACEMENT FOR CT ISSUED 2/5/93  
01/24 REISSUE TO CORRECT IP & ADD FOUR POINT  
TEST  
REPLACEMENT FOR CT ISSUED 9/24/93