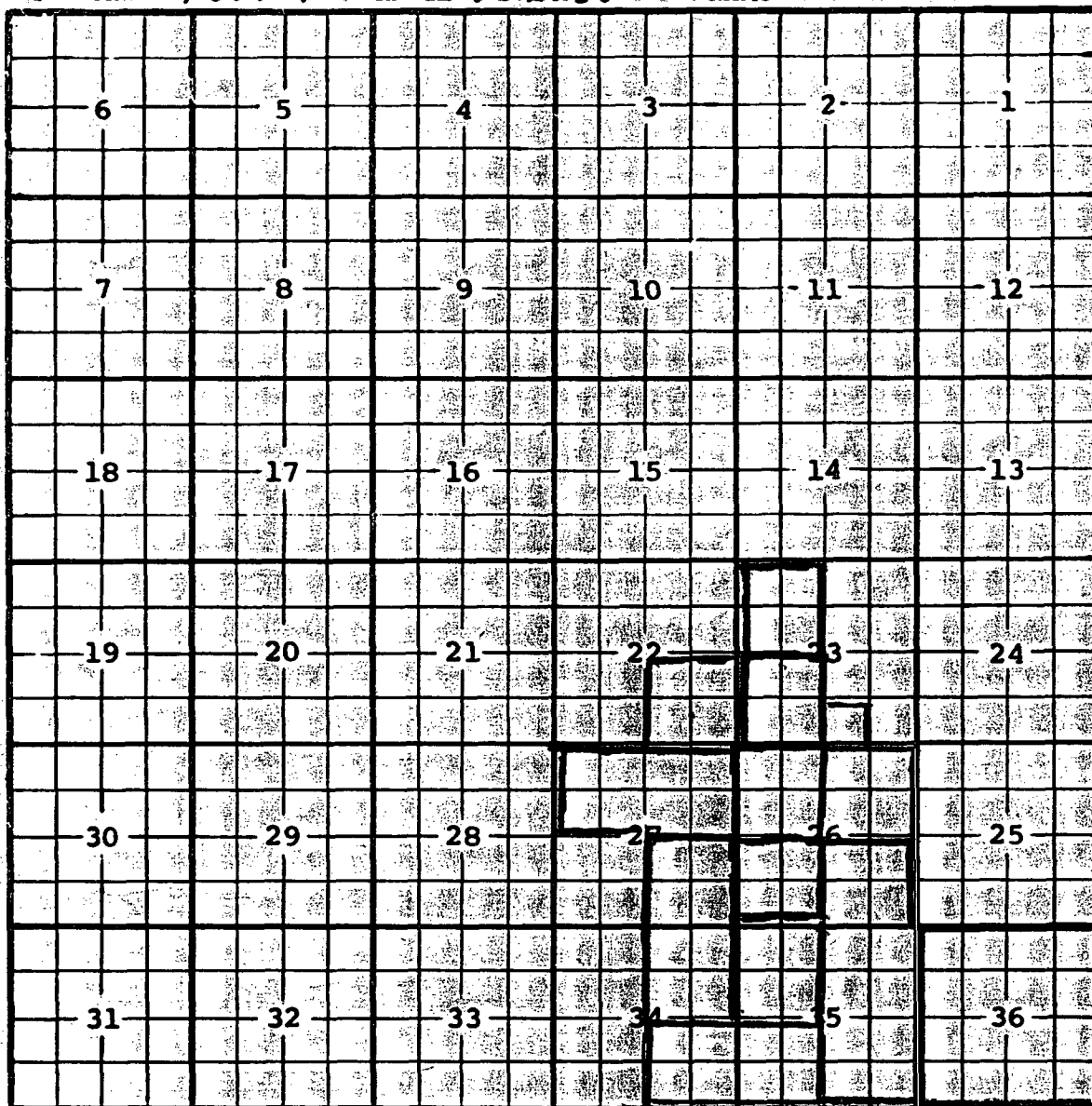


COUNTY *Lea*POOL *Monument - Abo**Abandoned*TOWNSHIP *19 South*RANGE *36 East*

NMPM

Description: All Sec. 36Ext: SE 1/4 Sec. 34, SW 1/4 Sec. 35 (R-10091, 3-28-94)Ext: SE 1/4 Sec. 27, NE 1/4 Sec. 34 (R-10641, 8-19-96)Ext: SW 1/4 Sec. 26, N 1/2 Sec. 27 (R-10776, 2-18-97) Ext: NW 1/4 Sec. 26, NW 1/4 Sec. 35 (R-10785, 4-28-97)Ext: SW 1/4 Sec. 23, SE 1/4 Sec. 26, E 1/2 Sec. 35 (R-10910, 10-31-97)Ext: SE 1/4 Sec. 22, NW 1/4 Sec. 23, NE 1/4 Sec. 26 (R-10972, 4-13-98)Ext: NW 1/4 Sec. 23 (R-11243, 9-15-99)

COUNTY *Lea*

POOL

*Monument-Abo**Abandoned*

TOWNSHIP

19-South

RANGE

37-East

NMPM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Description: All Sec. 31.

COUNTY Lea POOL Monument-Abo Abandoned

POOL Monument - Abo

Abandene

TOWNSHIP 20-South RANGE 36-East

RANGE *36-East*

NMPM

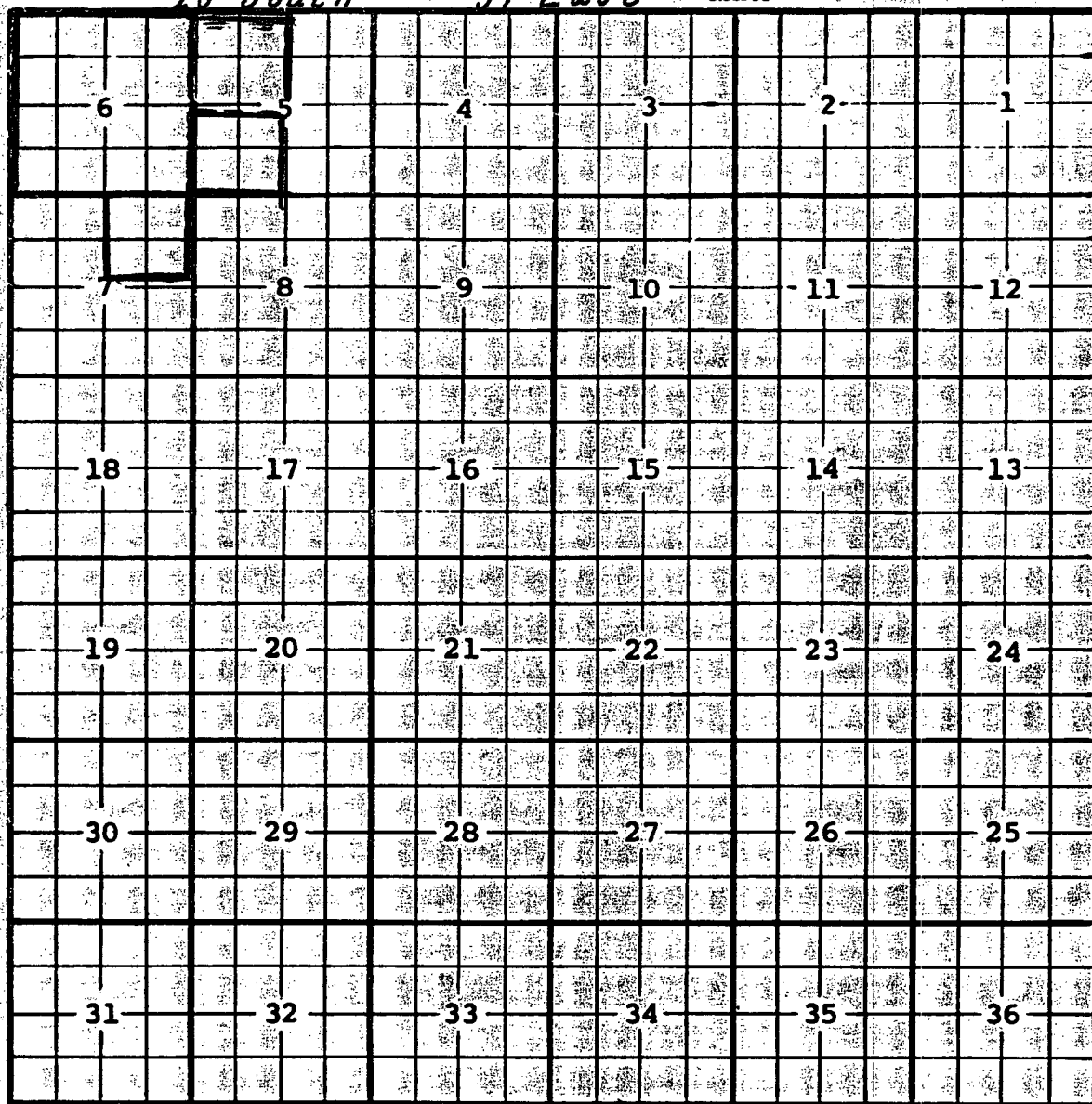
A 36x36 grid with numbers 1-36 in the top row and 1-36 in the bottom row. A 3x3 square is highlighted in the top right corner, spanning rows 1-3 and columns 34-36.

Description: All Sec. 1. Ext: $\frac{1}{2}$ Sec 2 (R-6657, 4-20-81)
Ext: ^{NE} $\frac{1}{4}$ Sec. 3 (R-10641, 8-19-96)

Ext: NE 1/4 Sec. 3 (R-10641, 8-19-96)

COUNTY Lea POOL Monument-Abo Abandoned

TOWNSHIP 20-South RANGE 37-East NMPM



Description: All Sec. 6:

Ext: SW 1/4 Sec. 5 (R-10910, 10-31-97) Ext: NW 1/4 Sec. 5 (R-11116, 1-2-99)

Ext: NE 1/4 Sec. 7 (R-11183, 5-19-99)

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

04/19/00 09:43:15
OGOMES -TQBI
PAGE NO: 1

Sec : 23 Twp : 19S Rng : 36E Section Type : NORMAL

D 40.00 SDSV E07572 0000 CHEVRON U S A INC U 11/17/63 A	C 40.00 SDSV B00154 0004 TEXACO EXPLORATIO U 01/15/41 A A	B 40.00 CS B00230 0001 CHEVRON U S A INC 02/28/38 A	A 40.00 CS B00230 0001 CHEVRON U S A INC 02/28/38 A A
E 40.00 SDSV E02653 0000 WISER OIL COMPANY U 05/10/59 A	F 40.00 SDSV B00154 0004 TEXACO EXPLORATIO U 01/15/41 A A	G 40.00 CS B00230 0001 CHEVRON U S A INC 02/28/38	H 40.00 CS B00230 0001 CHEVRON U S A INC 02/28/38 A

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07 BKWD	PF08 FWD	PF09 PRINT	PF10 SDIV	PF11	PF12

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

04/19/00 09:43:23
OGOMES -TQBI
PAGE NO: 2

Sec : 23 Twp : 19S Rng : 36E Section Type : NORMAL

L 40.00 SDSV E07572 0000 CHEVRON U S A INC U 11/17/63 A A	K 40.00 SDSV B00154 0004 TEXACO EXPLORATIO U 01/15/41 A A	J 40.00 CS B00230 0001 CHEVRON U S A INC 02/28/38 A A	I 40.00 Fee owned
M 40.00 SDSV E07572 0000 CHEVRON U S A INC U 11/17/63 A A	N 40.00 Fee owned U A A	O 40.00 Fee owned U A	P 40.00 Fee owned U A

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07 BKWD	PF08 FWD	PF09 PRINT	PF10 SDIV	PF11	PF12

CMD : ONGARD 04/19/00 09:43:45
OG6IWCM INQUIRE WELL COMPLETIONS OGOMES -TQBI

API Well No : 30 25 34011 Eff Date : 07-19-1997 WC Status : A
Pool Idn : 46970 MONUMENT;ABO
OGRID Idn : 22351 TEXACO EXPLORATION & PRODUCTION INC
Prop Idn : 20361 NEW MEXICO E STATE NCT-2

Well No : 002
GL Elevation: 3727

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
	---	---	-----	-----	-----	-----	-----
B.H. Locn : F	23	19S	36E	FTG 2310 F N	FTG 2175 F W		A

Lot Identifier:

Dedicated Acre: 40.00

Lease Type : S

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

WEST BITTER LAKE-SAN ANDRES POOL
Chaves County, New Mexico

Order No. R-1824, November 21, 1960, Establishing Pool, as Amended by Order No. R-6420, August 1, 1980; Order No. R-7030, August 1, 1982.

T-10-S, R-25-E E/2 Sec. 17.

MONUMENT-ABO POOL
Lea County, New Mexico

Order No. 850, January 1, 1950, Redefining Pool, as Amended by Order No. R-6657, May 1, 1981; Order No. R-10091, April 1, 1994; Order No. R-10641, September 1, 1996; Order No. R-10776, March 1, 1997; Order No. R-10795, May 1, 1997; Order No. R-10910, August 1, 1997; Order No. R-10972, May 1, 1998; Order No. R-11116, January 1, 1999; Order No. R-11183, June 1, 1999; Order No. R-11243, October 1, 1999.

T-19-S, R-36-E SE/4 Sec. 22; W/2, SW/4 SE/4 Sec. 23; Sec. 26; N/2, SE/4 Sec. 27; E/2 Sec. 34; Secs. 35, 36.
T-19-S, R-37-E Sec. 31.
T-20-S, R-36-E Sec. 1; N/2 Sec. 2; NE/4 Sec. 3.
T-20-S, R-37-E W/2 Sec. 5; Sec. 6; NE/4 Sec. 7.

CEDAR LAKE-MORROW GAS POOL
Eddy County, New Mexico

Order No. R-2187, March 1, 1962, Establishing Pool, as Amended by Order No. R-5987, May 1, 1979; Order No. R-7009, July 1, 1982; Order No. R-7958, July 1, 1985; Order No. R-8065, November 1, 1985; Order No. R-10324, April 1, 1995.

T-17-S, R-30-E W/2 Sec. 25; E/2 Sec. 26; Secs. 34, 35; N/2 Sec. 36.
T-18-S, R-30-E Sec. 2; N/2 Sec. 3.

EAST EMPIRE YATES-SEVEN RIVERS POOL
Eddy County, New Mexico

Order No. R-2187, March 1, 1962, Establishing Pool, as Amended by Order No. R-4622, September 1, 1973; Order No. R-4850, October 1, 1974; Order No. R-4937, February 1, 1975; Order No. R-5015, June 1, 1975; Order No. R-5309, November 1, 1976; Order No. R-5754, July 1, 1978; Order No. R-5876, December 1, 1978; Order No. R-6274, March 1, 1980; Order No. R-6476, October 1, 1980; Order No. R-6536, December 1, 1980; Order No. R-6698, June 1, 1981; Order No. R-8431, May 1, 1987.

T-17-S, R-28-E Sec. 22; W/2 SW/4 Sec. 23; Sec. 27; N/2 N/2, SE/4, SE/4 NE/4, SE/4 SW/4 Sec. 28; W/2 NE/4 Sec. 34.

CUSTER-ELLENBURGER GAS POOL
Lea County, New Mexico

Order No. R-1824, November 21, 1960, Establishing Pool, as Amended by Order No. R-2449, April 1, 1963; Order No. R-6449, September 1, 1980.

T-24-S, R-36-E Sec. 36.
T-25-S, R-36-E E/2 Sec. 1.

NEW HOPE POOL
(PENNSYLVANIAN)
(Abandoned)
Roosevelt County, New Mexico

Order No. R-93, September 20, 1951, Establishing Pool.

T-6-S, R-33-E SE/4 Sec. 36.
T-6-S, R-34-E SW/4 Sec. 31.
T-7-S, R-33-E NE/4 Sec. 1.
T-7-S, R-34-E NW/4 Sec. 6.

EAST MASON-DELAWARE POOL
Lea County, New Mexico

Order No. R-2187, March 1, 1962, Establishing Pool, as Amended by Order No. R-3080, July 1, 1966; Order No. R-3116, October 1, 1966; Order No. R-3319, October 1, 1967; Pool Abolished, Order No. R-3342, December 1, 1967; Pool Re-established, Order No. R-3367, February 1, 1968; Order No. R-3411, June 1, 1968; Order No. R-7030, August 1, 1982; Order No. R-8409, April 1, 1987; Order No. R-9120, March 1, 1990.

T-26-S, R-32-E W/2 Sec. 16; S/2 Sec. 17; SE/4 Sec. 19; SW/4, N/2 Sec. 20; S/2, NW/4 Sec. 21.

PALMILLO-SEVEN RIVERS POOL
Eddy County, New Mexico

Order No. R-2187, March 1, 1962, Establishing Pool.

Pool abolished by Order No. R-10818, June 5, 1997.

STATE OF NEW MEXICO
ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 9311
Order No. R-8614

APPLICATION OF TEXACO INC. FOR
SPECIAL POOL RULES, LEA COUNTY,
NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on February 17, 1988, at Santa Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this 15th day of March, 1988, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) The applicant, Texaco Inc., seeks the adoption of Special Rules and Regulations for the Monument-Abo Pool, Lea County, New Mexico, establishing a limiting gas-oil ratio of 10,000 cubic feet of gas per barrel of oil.

(3) The Monument-Abo Pool, created and defined by Division Order No. 850, as amended, is currently governed by General Statewide Rules and Regulations, including a limiting gas-oil ratio of 2,000 cubic feet of gas per barrel of oil.

(4) The applicant currently operates several wells within the Monument-Abo Pool, among them the J.R. Phillips Wells Nos. 5 and 6 located, respectively, in Units D and E of Section 6, Township 20 South, Range 37 East, NMPM, Lea County, New Mexico.

(5) The applicant, through geologic evidence and testimony, established that there are four distinct producing intervals within the Abo formation, and that the J.R. Phillips Wells Nos. 5 and 6 are the only two wells within the pool currently producing from the uppermost interval (hereinafter referred to as Zone 1).

(6) Geologic evidence further indicates that the horizontal extent of Zone 1 may be limited to a small area within the subject pool, and that Zone 1, which is apparently not in communication with the lower zones, contains a distinct gas cap.

(7) The applicant presented production test data from the J.R. Phillips Well No. 6 which indicates that production at a greater casinghead gas allowable than is currently allowed by Division Rules and Regulations results in a corresponding significant increase in oil production.

(8) The applicant further testified that an increase in the gas-oil ratio limitation for the subject pool would result in the ultimate recovery of a substantially greater amount of oil than would be recovered at the current gas-oil ratio limitation, thereby preventing waste.

(9) Further testimony indicated that approval of the application would enable the applicant to economically justify the continued development of the pool, which in turn would provide further information about the reservoir characteristics.

(10) The proposed increase in the gas-oil ratio limitation for the subject pool should not have an adverse affect on the remaining producing wells in the pool which are currently producing from the lower intervals in the formation.

(11) No operator in the subject pool appeared at the hearing in opposition to the proposed application.

(12) Approval of the subject application will allow the continued development of the subject pool, will allow the operators to produce their just and fair share of the oil and gas in the subject pool, and should otherwise prevent waste and protect correlative rights.

(13) Evidence and testimony in this case was insufficient to justify the permanent establishment of the proposed gas-oil ratio for the Monument-Abo Pool, and so in order to properly assess the long term effects of increasing the gas-oil ratio in the subject pool, the Special Rules and Regulations promulgated herein should remain in effect for a temporary period of one year.

(14) This case should be reopened at an examiner hearing in April, 1989, at which time the operators in the subject pool should appear and show cause why the Monument-Abo Pool should not be governed by a limiting gas-oil ratio of 2,000 cubic feet of gas per barrel of oil.

IT IS THEREFORE ORDERED THAT:

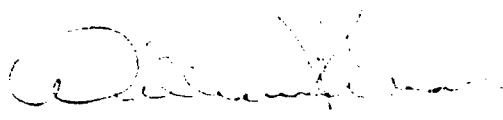
(1) The limiting gas-oil ratio for the Monument-Abo Pool, Lea County, New Mexico, is hereby established at 10,000 cubic feet of gas per barrel of oil for a temporary period of one year.

(2) This case shall be reopened at an examiner hearing in April, 1989, at which time the operators in the subject pool may appear and show cause why the Monument-Abo Pool should not be governed by a limiting gas-oil ratio of 2,000 cubic feet of gas per barrel of oil.

(3) 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

STATE OF NEW MEXICO
ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 9311
Order No. R-8614-A

IN THE MATTER OF CASE 9311 BEING RE-
OPENED PURSUANT TO THE PROVISIONS OF
DIVISION ORDER NO. R-8614, WHICH ORDER
ESTABLISHED A LIMITING GAS-OIL RATIO
FOR THE MONUMENT-ABO POOL IN LEA COUNTY,
NEW MEXICO OF 10,000 CUBIC FEET OF GAS
PER BARREL OF OIL FOR A TEMPORARY PERIOD
OF ONE YEAR.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on April 26, 1989, at Santa Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this 5th day of May, 1989, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) By Order No. R-8614, dated March 15, 1988, the Division, upon the application of Texaco Producing Inc., adopted a limiting gas-oil ratio for the Monument-Abo Pool in Lea County, New Mexico, of 10,000 cubic feet of gas per barrel of oil for a temporary period of one year.

CASE NO. 9311
Order No. R-8614-A
Page -2-

(3) Pursuant to the provisions of said Order No. R-8614, this case was reopened to allow the operators in the subject pool the opportunity to appear and show cause why the limiting gas-oil ratio for the Monument-Abo Pool should not revert back to 2,000 cubic feet of gas per barrel of oil.

(4) Texaco Producing Inc., one of three operators in the subject pool appeared and presented evidence and testimony which indicates that continued production from the subject pool at a gas-oil ratio limitation of 10,000 cubic feet of gas per barrel of oil will likely result in the recovery of an additional 61,000 barrels of oil which otherwise may not be recovered, thereby preventing waste.

(5) No other operator in the subject pool appeared at the hearing in opposition to continuation of the current gas-oil ratio limitation.

(6) Continuation of the current gas-oil ratio limitation will allow the operators the opportunity to produce their just and fair share of the oil and gas in the subject pool, should result in the recovery of additional reserves from the subject pool, and should protect correlative rights.

IT IS THEREFORE ORDERED THAT:

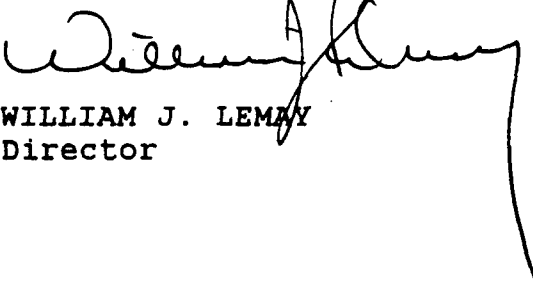
(1) The limiting gas-oil ratio for the Monument-Abo Pool in Lea County, New Mexico, established at 10,000 cubic feet of gas per barrel of oil by Division Order No. R-8614, is hereby continued until further order of the Division.

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

CASE NO. 9311
Order No. R-8614-A
Page -3-

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

Form C-10/

Revised February 10, 1999

Instructions on back

Submit to Appropriate District Office

State Lease - 6 Copies

Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address TEXACO EXPLORATION & PRODUCTION INC. 205 E. Bender, HOBBS, NM 88240		² OGRID Number 022351
		³ API Number 30-025-34011
⁴ Property Code 20361	⁵ Property Name NEW MEXICO 'E' STATE NCT-2	⁶ Well No. 2

⁷ Surface Location

UI or lot no	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
F	23	19-S	36-E		2310	NORTH	2175	WEST	LEA

⁸ Proposed Bottom Hole Location If Different From Surface

UI or lot no	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
F	23	19-S	36-E		2310	NORTH	1650	WEST	LEA
⁹ Proposed Pool 1 Monument, ABO					¹⁰ Proposed Pool 2				

¹¹ Work Type Code EP	¹² Well Type Code O	¹³ Rotary or C.T. ROTARY	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3727'
¹⁶ Multiple No	¹⁷ Proposed Depth 7327' MD	¹⁸ Formation ABO	¹⁹ Contractor	²⁰ Spud Date 4/15/00

²¹ Proposed Casing and Cement Program

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
11	8 5/8	24#	1340'	600 SACKS	SURFACE
7 7/8	5 1/2	15.5#	8000'	2775 SACKS	1000'

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

TEXACO INTENDS TO DRILL A HORIZONTAL RE-ENTRY ON THE SUBJECT WELL. THE PROPOSED WORK IS ATTACHED.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

Plug-Back

²³ 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.		OIL CONSERVATION DIVISION	
Signature <i>J. Denise Leake</i>			
Printed Name J. Denise Leake		Approved By: <i>Larry W. Wink</i>	
Title Engineering Assistant		Title: FIELD REPRESENTATIVE II	
Date 3/28/00		Approval Date: Expiration Date:	
Telephone 397-0405		Conditions of Approval: Attached <input type="checkbox"/> APR 06 2000	

OVERVIEW

The New Mexico "E" State NCT-2 #2 well was drilled in 1997 in the Abo formation. The well has perforated from 7693' to 7930' (gross interval). This well has 5-1/2", 15.5#, WC-50 and LS-65 casing to 8000'. It is proposed to drill a +628 foot lateral (525' vertical section) at 270 degrees in the Abo formation. The basic well plan is as follows:

- a) TOOH with the pump and tubing. Run a casing scraper to 7600'. Set a 5-1/2" CIBP at +7197' (top of window 7183', bottom of window 7190', collars at 7195' and 7240'). Pressure test to 800 psi. TIH with a 3 degree bottom trip whipstock. Attached is a correlation log.
- b) Drill a short radius curve using a 4-3/4" bit to a measured depth of +7327' (TVD +7300') with a 270 degree azimuth. The final angle will be 66.48 degrees from vertical. Drill +459' horizontal section. The end point will be +7828' MD, +7500' TVD and +525' vertical section.
- c) Retrieve the whipstock.
- d) Acidize the horizontal lateral using ported subs at 60 gallons/net foot 15% HCl.
- e) Pull ported subs. Retrieve the RBP. Place well on production.

50% LOST IN HOLE INSURANCE FOR THE DOWNHOLE MOTOR AND MWD IS INCLUDED WITH THE DAILY RATE FROM SCIENTIFIC DRILLING.

PROPOSED WORK

PRODUCTION HOLE:

1. TOOH with pump and tubing. TIH with casing scraper to 7600'. Set a 5-1/2" RBP at 7197' (top of plug at 7197'). Pressure test to 800 psi. TOOH. Correlate the casing collars with the production logs (casing collar at 7195' & 7240'). TOOH.
2. TIH and tag the RBP. Strap the pipe going in the hole. This measurement will be used when setting the whipstock. Accuracy is very important. Check the strap with the wire line measurement. TOOH.
3. TIH with bottom set retrievable whipstock, starting mill, orientation sub and drill pipe. Stop at a point 5-10' above the RBP and run a gyro. Take a gyro reading to determine the direction of the whipstock face. Rotate the pipe as needed to achieve the required direction (azimuth 270 degrees). Lower the pipe to within one foot of the RBP and take another gyro reading. Rotate pipe again, if necessary, to obtain the required direction. This step may need to be made several times until confident the whipstock is oriented in the proper direction. Pull the gyro to surface, recording the orientation of the wellbore.
4. Lower the drill pipe to set the whipstock. The weight indicator will jump indicating the plunger shear pin is sheared and the whipstock is set. Continue setting down to shear the starting mill bolt. The weight indicator will jump, indicating the bolt is sheared.
5. Pick up the power swivel and begin circulating. Pick up the drill pipe until the starting mill has cleared the whipstock and start rotation. Lower the drill pipe slowly until the torque gauge suggest the starting mill is contacting the casing. Adjust weight and speed until satisfied with the penetration rate. Mill to a predetermined depth that will assure the setting lug is completely removed and a cut out in the casing has been initiated. TOOH.
6. TIH with the metal muncher window mill, string mill and the watermelon mill. Resume milling operations and mill until the complete assembly has cleared the casing. Pick up and lower the string several times without rotation to assure a good clean window has been obtained. Circulate the hole clean. TOOH.
7. Inspect the mill on the surface. If extreme wear is evident, consideration should be given to repeating the above step.

HORIZONTAL PRODUCTION HOLE:

1. Rig up Scientific Drilling Company. Adjust plan to target as necessary. Trip in the hole with Scientific Drilling's curve building assembly. This will be a 4-3/4" insert bit, 3-3/4" PDM, float sub/orienter combo, 2-flexible monel collars and 2-7/8" AOH drill pipe.

2. Build curve to estimated target depths and angles as follows:

True Vertical Depth	7300'
Measured Depth	7327'
Final Angle	66.48 degrees
Target Azimuth	270 degrees
Build Rate	52.54 degrees/100'

Drill the curve sliding as necessary to stay on target. It is recommended that after each slide, the bit be pulled back and washed through the slide. Once the curve is built, rotate through the curve section noting tight spots and fill. Make at least one short trip prior to tripping out of the hole.

3. Trip in the hole with Scientific Drilling's lateral assembly. This will be a 4-3/4" bit, 3-3/4" motor, float sub/orienter combo, 2 - flexible monel collars and 2-7/8" AOH drill pipe.
4. Drill +501' of horizontal hole per the attached Scientific well plan.
5. Continue drilling the horizontal section per the Texaco Asset Team (Joe Villalobos 915-688-4876 work, 915-683-6770 home) recommendations.
6. Trip out of the hole with the drilling assembly.
7. TIH and retrieve the whipstock.
8. Set a wireline set, tubing retrievable bridge plug for 5-1/2" casing at +6900'. Test plug to 1000 psi.
9. Lay down the drill pipe.
10. Nipple down the BOP stack. Install a manual 3000 psig BOP equipped with blind rams and 3-1/2" pipe rams. Release the rig. Rig down and move out rotary tools.

COMPLETION PROCEDURE:

1. Back drag the location and set pulling unit anchors.
2. Move in and rig up a pulling unit.
3. Trip in the hole with a retrieving head on 3-1/2" tubing. Retrieve the plug. Trip out of the hole and lay down the plug.
4. Rig up Dowell. Acidize the horizontal lateral. The acid job will be done down 3-1/2" tubing in the vertical portion with a packer set 100' above the window. Below the packer, the string will consist of 2-7/8" PH-6 tubing and ported subs.
5. Flow back immediately. Flow test until dead. TOOH with frac string. TIH with production string.
6. Place on production.

POTENTIAL PROBLEMS:**Horizontal Production hole:**

- a) The horizontal lateral will be drilled with fresh water.
- b) Hydrogen sulfide is expected and H₂S detection equipment is to be installed.
- c) Loss circulation material and/or other plugging agents are not to be used in this portion of the hole.

MUD PROGRAM:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Remarks</u>
Curve	Fresh Water	8.4 ppg	35	Raise visc. with starch and gel
Horizontal	Fresh Water	8.4-9.0 ppg	28-29	Circulate reserve

EVALUATION PROGRAM

Coring:

No cores are anticipated.

Mud Loggers:

A mud logger (MORCO 800-748-2340) will be rigged from the start of the curve to total depth.

Cased Hole Logs:

The following open hole logs will be run in the vertical section of the well:

Run 1: Gyro from 7200' - surface for determination of bottom hole location (Scientific Drilling responsibility).

The guidance system in the curve and horizontal sections of the hole will consist of a MWD system.

Horizontal Hole Logs:

TDT logs will be run in the lateral.

CASING PROPERTIES

<u>DEPTH</u>	<u>BURST</u> <u>Rated (75%)</u>	<u>COLLAPSE</u> <u>Rated (75%)</u>	<u>TEST</u> <u>PRESSURE</u>
5-1/2", 15.5#, WC-50 8000'	4400	3300	3810 2857 800

Scientific Drilling Inc.

Planning Report

Company: Texaco E & P, Inc. Field: Monument Abo Site: Lea County, New Mexico Well: New Mexico #2H Wellpath: OH Original hole	Date: 03/21/2000 Co-ordinate(NE) Reference: Site: Lea County, New Mexico, True North Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level Section (VS) Reference: Site (0.0E,0.0N,270.0Azi) Plan: Plan #1
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Field: Monument Abo

Map System: US State Plane Coordinate System 1927
Ellipsoid: Clarke - 1866
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone
North Reference: True
Geomagnetic Model: IGRF95

Site: Lea County, New Mexico

Site Position:	Northing: 638537.98 ft	Latitude: 32 45 0.000 N
From: Geographic	Easting: 858696.82 ft	Longitude: 103 10 0.000 W
Position Uncertainty: 0.0 ft		Magnetic Declination: 8.88 deg
Water Depth: 0.0 ft		Grid Convergence: 0.63 deg

Well: New Mexico #2H

Well Position: +N/-S 0.0 ft	Northing: 638537.98 ft	Latitude: 32 45 0.000 N
From Slot: +E/-W 0.0 ft	Easting: 858696.82 ft	Longitude: 103 10 0.000 W
Position Uncertainty: 0.0 ft		

Wellpath: OH Original hole 575' high angle lateral Vertical Section: +N/-S 0.0 ft From: Site +E/-W 0.0 ft Measured Depth Reference: SITE	Drilled From: Surface Tie-on Depth: ft V.Section Direction: 270.00 deg Above System Datum: Mean Sea Level
--	--

Plan: Plan #1 Principal: Yes	Date Composed: 03/21/2000 Version: 1 Locked: No
---	--

Plan Section Information

MD ft	Incl deg	Azlm deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
7200.0	0.00	0.00	7200.0	0.0	0.0	0.00	0.00	0.00	0.00	
7326.6	66.50	270.00	7300.0	0.0	-65.6	52.54	52.54	0.00	270.00	
7327.0	66.48	270.00	7300.2	0.0	-66.0	5.00	-5.00	0.00	179.99	
7827.6	66.48	270.00	7500.0	0.0	-525.0	0.00	0.00	0.00	0.00	Toe-nm2h

Section 1 : Start Hold

MD ft	Incl deg	Azlm deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1000.0	0.00	0.00	1000.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1100.0	0.00	0.00	1100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1200.0	0.00	0.00	1200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1300.0	0.00	0.00	1300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1400.0	0.00	0.00	1400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1500.0	0.00	0.00	1500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1600.0	0.00	0.00	1600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1700.0	0.00	0.00	1700.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1800.0	0.00	0.00	1800.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1900.0	0.00	0.00	1900.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2000.0	0.00	0.00	2000.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2100.0	0.00	0.00	2100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00

Scientific Drilling Inc.

Planning Report

Company: Texaco E & P, Inc. Field: Monument Abo Site: Lea County, New Mexico Well: New Mexico #2H Wellpath: OH Original hole	Date: 03/21/2000 Co-ordinate(NE) Reference: Site: Lea County, New Mexico, True North Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level Section (VS) Reference: Site (0.0E,0.0N,270.0Azi) Plan: Plan #1
---	---

Section 1 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2200.0	0.00	0.00	2200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2300.0	0.00	0.00	2300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2400.0	0.00	0.00	2400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2500.0	0.00	0.00	2500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2600.0	0.00	0.00	2600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2700.0	0.00	0.00	2700.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2800.0	0.00	0.00	2800.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2900.0	0.00	0.00	2900.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
3000.0	0.00	0.00	3000.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
3100.0	0.00	0.00	3100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
3200.0	0.00	0.00	3200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
3300.0	0.00	0.00	3300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
3400.0	0.00	0.00	3400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
3500.0	0.00	0.00	3500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
3600.0	0.00	0.00	3600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
3700.0	0.00	0.00	3700.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
3800.0	0.00	0.00	3800.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
3900.0	0.00	0.00	3900.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
4000.0	0.00	0.00	4000.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
4100.0	0.00	0.00	4100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
4200.0	0.00	0.00	4200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
4300.0	0.00	0.00	4300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
4400.0	0.00	0.00	4400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
4500.0	0.00	0.00	4500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
4600.0	0.00	0.00	4600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
4700.0	0.00	0.00	4700.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
4800.0	0.00	0.00	4800.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
4900.0	0.00	0.00	4900.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5000.0	0.00	0.00	5000.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5100.0	0.00	0.00	5100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5200.0	0.00	0.00	5200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5300.0	0.00	0.00	5300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5400.0	0.00	0.00	5400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5500.0	0.00	0.00	5500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5600.0	0.00	0.00	5600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5700.0	0.00	0.00	5700.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5800.0	0.00	0.00	5800.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5900.0	0.00	0.00	5900.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6000.0	0.00	0.00	6000.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6100.0	0.00	0.00	6100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6200.0	0.00	0.00	6200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6300.0	0.00	0.00	6300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6400.0	0.00	0.00	6400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6500.0	0.00	0.00	6500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6600.0	0.00	0.00	6600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6700.0	0.00	0.00	6700.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6800.0	0.00	0.00	6800.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6900.0	0.00	0.00	6900.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
7000.0	0.00	0.00	7000.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
7100.0	0.00	0.00	7100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
7200.0	0.00	0.00	7200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00

Section 2 : Start Build 52.54

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
7210.0	5.25	270.00	7210.0	0.0	-0.5	0.5	52.54	52.54	0.00	0.00
7220.0	10.51	270.00	7219.9	0.0	-1.8	1.8	52.54	52.54	0.00	0.00
7230.0	15.76	270.00	7229.6	0.0	-4.1	4.1	52.54	52.54	0.00	0.00
7240.0	21.02	270.00	7239.1	0.0	-7.3	7.3	52.54	52.54	0.00	0.00
7250.0	26.27	270.00	7248.3	0.0	-11.3	11.3	52.54	52.54	0.00	0.00
7260.0	31.53	270.00	7257.0	0.0	-16.1	16.1	52.54	52.54	0.00	0.00
7270.0	36.78	270.00	7265.3	0.0	-21.7	21.7	52.54	52.54	0.00	0.00
7280.0	42.03	270.00	7273.0	0.0	-28.1	28.1	52.54	52.54	0.00	0.00

Scientific Drilling Inc.

Planning Report

Company: Texaco E & P, Inc. Field: Monument Abo Site: Lea County, New Mexico Well: New Mexico #2H Wellpath: OH Original hole	Date: 03/21/2000 Co-ordinate(NE) Reference: Site: Lea County, New Mexico, True North Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level Section (VS) Reference: Site (0.0E,0.0N,270.0Azi) Plan: Plan #1
---	---

Section 2 : Start Build 52.54

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
7290.0	47.29	270.00	7280.1	0.0	-35.1	35.1	52.54	52.54	0.00	0.00
7300.0	52.54	270.00	7286.6	0.0	-42.7	42.7	52.54	52.54	0.00	0.00
7310.0	57.80	270.00	7292.3	0.0	-50.9	50.9	52.54	52.54	0.00	0.00
7320.0	63.05	270.00	7297.2	0.0	-59.6	59.6	52.54	52.54	0.00	0.00
7326.6	66.50	270.00	7300.0	0.0	-65.6	65.6	52.54	52.54	0.00	0.00

Section 3 : Start DLS 5.00 TFO 179.99

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
7327.0	66.48	270.00	7300.2	0.0	-66.0	66.0	5.00	-5.00	0.00	179.99

Section 4 : Start Hold

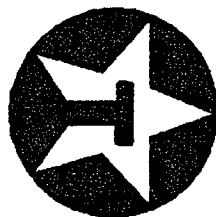
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
7400.0	66.48	270.00	7329.3	0.0	-132.9	132.9	0.00	0.00	0.00	180.00
7500.0	66.48	270.00	7369.2	0.0	-224.6	224.6	0.00	0.00	0.00	180.00
7600.0	66.48	270.00	7409.1	0.0	-316.3	316.3	0.00	0.00	0.00	180.00
7700.0	66.48	270.00	7449.1	0.0	-408.0	408.0	0.00	0.00	0.00	180.00
7800.0	66.48	270.00	7489.0	0.0	-499.7	499.7	0.00	0.00	0.00	180.00
7827.6	66.48	270.00	7500.0	0.0	-525.0	525.0	0.00	0.00	0.00	180.00



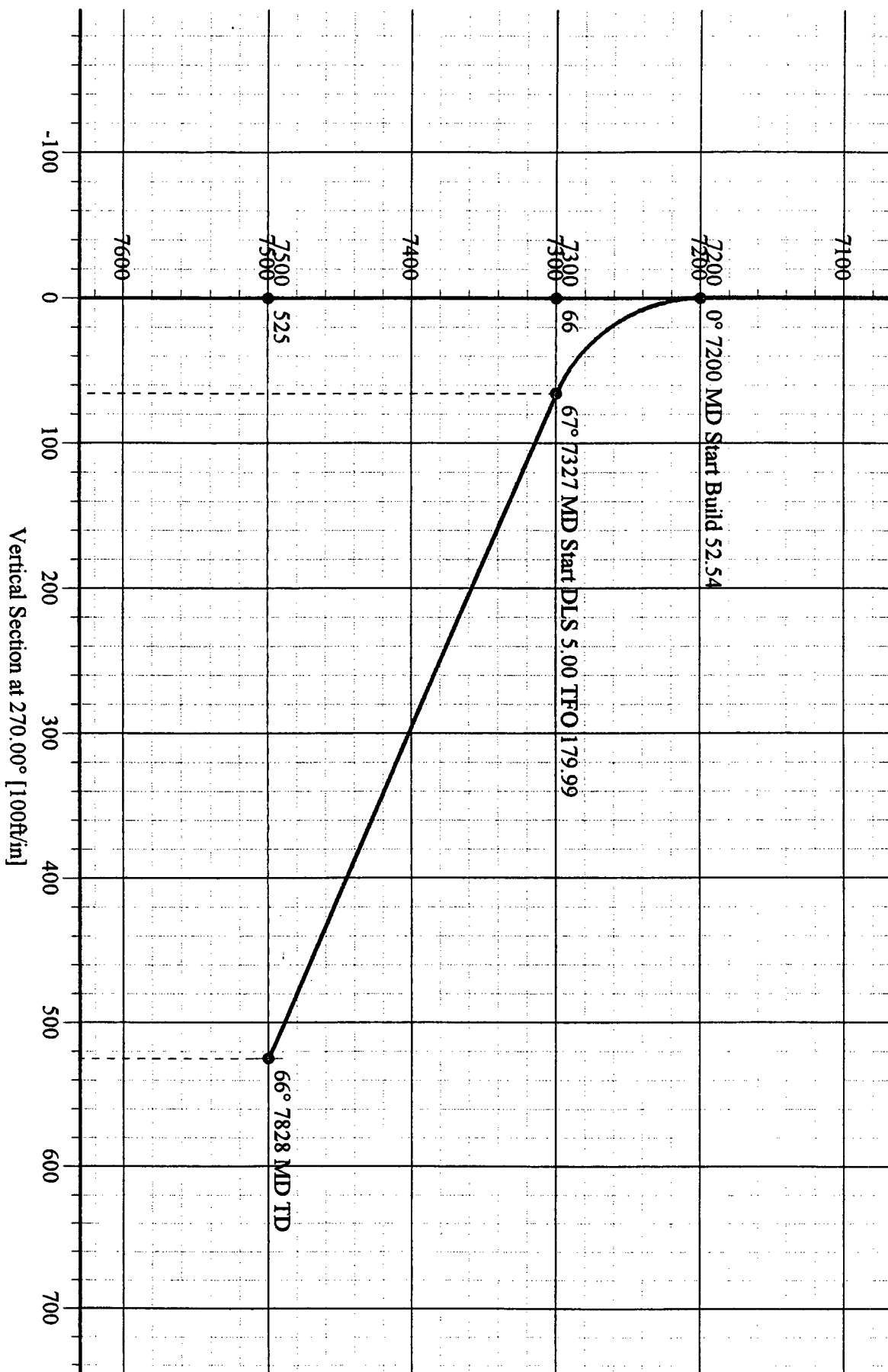
Scientific
Drilling

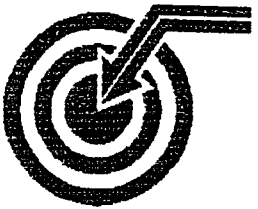
Texaco E & P, Inc.

Field: Monument Abo
Site: Lea County, New Mexico
Well: New Mexico #2H
Wellpath: OH Original hole
Plan: Plan #1



True Vertical Depth [100ft/in]

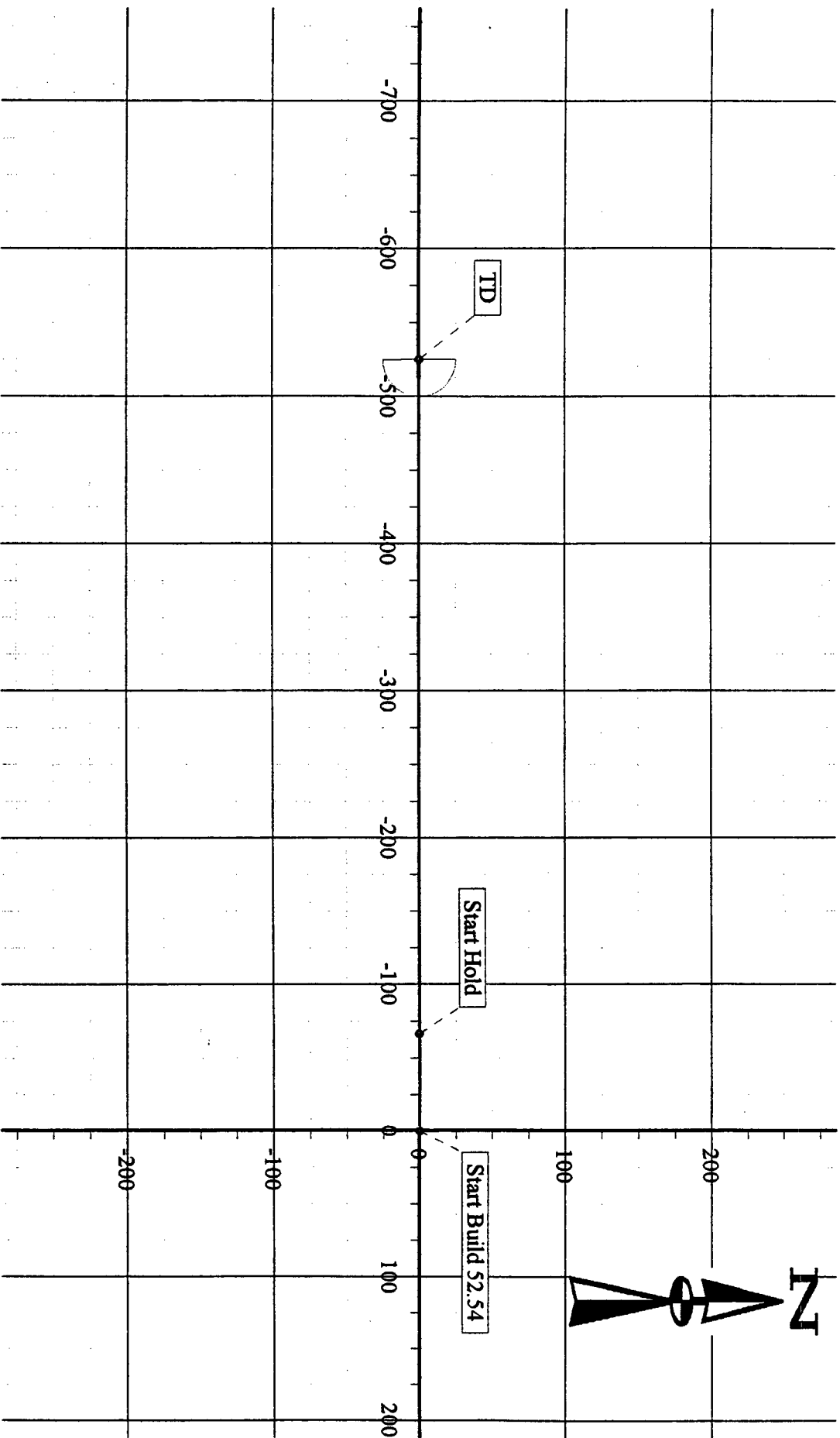
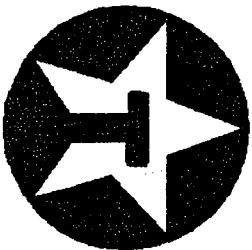




**Scientific
Drilling**

Texaco E & P, Inc.

Field: Monument Abo
Site: Lea County, New Mexico
Well: New Mexico #2H
Wellpath: OH Original hole
Plan: Plan #1



South(-)/North(+) [100ft/in]

West(-)/East(+) [100ft/in]

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88211-0719

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

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

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-10

Revised February 10, 1999

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

¹ API Number 30-025-34011	² Pool Code 46970	³ Pool Name MONUMENT ABO
⁴ Property Code 20361	⁵ Property Name NEW MEXICO 'E' STATE NCT-2	
⁷ OGRID Number 022351	⁸ Operator Name TEXACO EXPLORATION & PRODUCTION INC.	
		⁶ Well No. 2
		⁹ Elevation 3727'

¹⁰ Surface Location

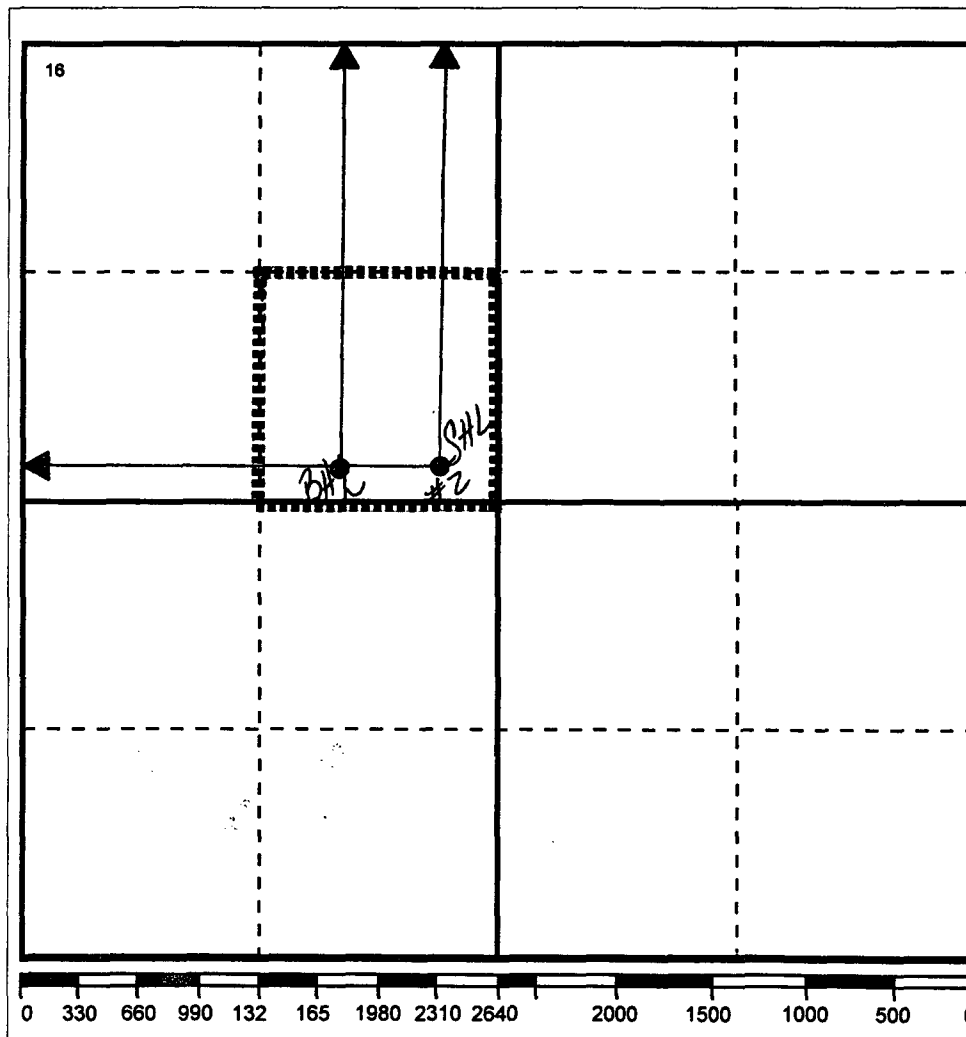
UI or lot no	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
F	23	19-S	36-E		2310	NORTH	2175	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UI or lot no	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
F	23	19-S	36-E		2310	NORTH	1650	WEST	LEA

¹² Dedicated Acre 40	¹³ Joint or Infill No	¹⁴ Consolidation Code	¹⁵ Order No.
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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

**17 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

J. Denise Leake

Position

Engineering Assistant

Date

3/28/00

18 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

Signature & Seal of
Professional Surveyor

Certificate No.

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO. 30-025-34011
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil / Gas Lease No.
7. Lease Name or Unit Agreement Name NEW MEXICO 'E' STATE NCT-2
8. Well No. 2
9. Pool Name or Wildcat MONUMENT ABO

SUNDRY NOTICES AND REPORTS ON WELL
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

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

2. Name of Operator
TEXACO EXPLORATION & PRODUCTION INC.

3. Address of Operator
205 E. Bender, HOBBS, NM 88240

4. Well Location
Unit Letter F : 2310 Feet From The NORTH Line and 2175 Feet From The WEST Line
Section 23 Township 19-S Range 36-E NMPM LEA COUNTY

10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3727'

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐
COMMENCE DRILLING OPERATION ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☒ ACIDIZE PERFS

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

7-10-98: MIRU. TOH W/RODS & PMP. TIH W/PARAFFIN KNIFE ON RDS TO 1500'. NDWH. NUBOP. TBG HAS FILM OF SCALE. TIH W/BIT & CSG SCRAPER ON 2 7/8" TBG TO 7665' (PBTD). PULL TO 5540'.
7-11-98: KILL WELL W/40 BBLS 2% KCL. TOH W/TBG, SCRAPER & BIT. TIH W/PKR, SN, & 2 7/8" TBG. PSA 7336'. LOAD CSG W/100 BBLS 2% KCL. TEST CSG TO 500#-OK.
7-13-98: PRESS AN TO 500 PSI. ACIDIZED 7400-7616' W/3500 GALS 15% NEFE. FLSH W/50 BBLS 2% KCL FW. REL PKR. TAG FILL @ 7660'. RAN SN, TA & TBG. KILL WELL W/20 BBLS 2% KCL FW. REM BOP. LAND SN @ 7651'. PUMP 50 BBLS 2% KCL FW DN TBG TO ELIMINATE H2S GAS. RAN GAS ANCHOR ON PUMP.
7-14-98: RAN RDS W/LINER @ 7651'. LOAD TBG W/43 BBLS 2% KCL FW. SPACE PUMP @ 7". TEST TBG TO 500 PSI-OK. RIG DOWN. ON PRODUCTION @ 8:30 AM. PUMPING & TESTING.
7-24-98: ON 24 HR OPT. PUMPED 74 BO, 88 BW, & 92 MCF. GOR-1243. GRAV-39.0 @60.
FINAL REPORT

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

SIGNATURE J. Denise Leake TITLE Engineering Assistant DATE 7/27/98
TYPE OR PRINT NAME J. Denise Leake Telephone No. 397-0405

(This space for State Use)

APPROVED BY Chris Williams TITLE DISTRICT 1 SUPERVISOR DATE AUG 10 1998
CONDITIONS OF APPROVAL, IF ANY:

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.	30-025-34011
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil / Gas Lea	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG	
1a. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____	7. Lease Name or Unit Agreement Name NEW MEXICO 'E' STATE NCT-2
b. Type of Completion: NEW WELL <input checked="" type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RES. <input type="checkbox"/> OTHER _____	
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.	8. Well No. 2
3. Address of Operator 205 E. Bender, HOBBS, NM 88240	9. Pool Name or Wildcat MONUMENT ABO

4. Well Location Unit Letter <u>F</u> : <u>2310</u> Feet From The <u>NORTH</u> Line and <u>2175</u> Feet From The <u>WEST</u> Line Section <u>23</u> Township <u>19-S</u> Range <u>36-E</u> NMPM <u>LEA</u> COUNTY
--

10. Date Spudded 7/19/97	11. Date T.D. Reached 8/9/97	12. Date Compl. (Ready to Prod.) 8/14/97	13. Elevations (DF & RKB, RT, GR, etc.) 3727'	14. Elev. Csghead
15. Total Depth 8000'	16. Plug Back T.D. 7665	17. If Mult. Compl. How Many Zones?	18. Intervals Drilled By DAWSON	Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 7400'-7616' MONUMENT ABO				20. Was Directional Survey Made YES
21. Type Electric and Other Logs Run PE/NGR/TDD/CNL/NGT/GR/CCL				22. Was Well Cored NO

23. CASING RECORD (Report all Strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENT RECORD	AMOUNT PULLED
8 5/8	24#	1340'	11	600 SACKS	138 CIRC
5 1/2	15.5#	8000'	7 7/8	2775 SACKS	420 CIRC

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-7/8"	7620'	
26. Perforation record (interval, size, and number) 7400'-7616' W/2JSPF 7693'-7930' PLUGGED BACK				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 7400'-7616' AMOUNT AND KIND MATERIAL USED FRAC 24000 GALS 20% & 40000 GALS WF-140			

28. PRODUCTION							
Date First Production 8/20/97		Production Method (Flowing, gas lift, pumping - size and type pump) PUMP (2.5" X 1.5" X 24')				Well Status (Prod. or Shut-in) PRODUCING	
Date of Test 9-15-97	Hours tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl. 164	Gas - MCF 192	Water - Bbl. 425	Gas - Oil Ratio 1170
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API -(Corr.) 42	
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD						Test Witnessed By LLD	

30. List Attachment DEVIATION SURVEY	
31. I hereby certify that the information on both sides of this form is true and complete to the best of my knowledge and belief.	
SIGNATURE <u>Paula S. Ives</u>	TITLE <u>Engineering Assistant</u> DATE <u>10/13/97</u>
TYPE OR PRINT NAME Paula S. Ives	Telephone No. <u>397-0432</u>

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true verticle depths shall be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

T. Anhy		T. Canyon	
T. Salt		T. Strawn	
B. Salt	1356'	T. Atoka	
T. Yates	2830'	T. Miss	
T. 7 Rivers		T. Devonian	
T. Queen	3700'	T. Silurian	
T. Grayburg		T. Montoya	
T. San Andres	4365'	T. Simpson	
T. Glorieta		T. McKee	
T. Paddock		T. Ellenburger	
T. Blinberry	6125'	T. Gr. Wash	
T. Tubb	6540'	T. Delaware Sand	
T. Drinkard	6780'	T. Bone Springs	
T. Abo	7203'	T.	
T. Wolfcamp		T.	
T. Penn		T.	
T. Cisco (Bough C)		T.	

Northwestern New Mexico

T. Ojo Alamo	T. Penn "B"
T. Kirtland-Fruitland	T. Penn "C"
T. Pictured Cliffs	T. Penn "D"
T. Cliff House	T. Leadville
T. Menefee	T. Madison
T. Point Lookout	T. Elbert
T. Mancos	T. McCracken
T. Gallup	T. Ignacio Otzte
T. Base Greenhorn	T. Granite
T. Dakota	T.
T. Morrison	T.
T. Todilto	T.
T. Entrada	T.
T. Wingate	T.
T. Chinle	T.
T. Permian	T.
T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from	7400'	to	7616'
No. 2, from	7693'	to	7930' PB

No. 3, from		to	
No. 4, from		to	

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in the hole.

No. 1, from		to		feet
No. 2, from		to		feet
No. 3, from		to		feet

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
0	1356	1356	SALT, ANHYDRITE				
1356	2830	1474	SAND, DOLOMITE				
2830	3700	870	SAND, DOLOMITE				
3700	4365	665	DOLOMITE				
4365	6125	1760	DOLOMITE				
6125	6540	415	SAND, DOLOMITE				
6540	6780	240	DOLOMITE				
6780	7203	423	ANHYDRITE, DOLO, LIMS				

New Mexico "E" State #2

Unit F

LOCATION
LEASE & WELLSec 23, 19S, 36E Lea County, New Mexico
(Give Unit, Section, Township and Range)

30-025-34011

2310/N & 2.75/W

OPERATOR

Texaco E & P P. O. Box 46510 Denver, CO. 80201

DRILLING CONTRACTOR

NABORS DRILLING USA, 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:

DEGREES @ DEPTH		DEGREES @ DEPTH		DEGREES @ DEPTH		DEGREES @ DEPTH	
1/2	189	1 1/2	3184	2 3/4	6133	5	6942 6492
1/4	369	2	3373	3	6165	5	6973
3/4	549	2	3501	3 1/2	6235	5	7005
1/4	728	2 1/4	3628	3 3/4	6298	4 3/4	7037
1/2	938	2 1/4	3787	4	6362	5	7101
3/4	1340	3 1/4	3976	4 1/4	6428	5 1/4	7196
1/2	1505	2 1/4	4008	4 1/2	6491	4 3/4	7293
1/4	1663	2 1/2	4200	4 1/4	6555	4 3/4	7387
1	1885	2 1/4	4360	4 1/4	6619	4 1/2	7831
1	2171	1 3/4	4613	4 3/4	6682	4 1/2	8000
1 1/4	2424	1	4865	4 3/4	6714		
1	2519	1	5118	4 3/4	6754		
1 1/4	2676	3/4	5340	4 3/4	6838		
1 1/2	2834	1/4	5625	5	6870		
1 1/2	3025	3/4	5909	4 3/4	6910		

Drilling Contractor

Nabors Drilling USA, Inc.

By

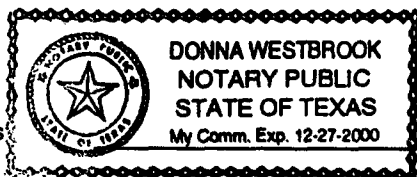
Brent Sanders, Engineering Manager

Subscribed and sworn to before me this

12th

day of

August, 1997



My Commision Expires

Notary Public

MIDLAND

County

TEXAS

DISTRICT I •

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88211-0719

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

Form C-104

Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator Name and Address TEXACO EXPLORATION & PRODUCTION INC. 205 E. Bender, HOBBS, NM 88240 THIS WELL HAS BEEN PLACED IN THE POOL DESIGNATED BELOW IF YOU DO NOT CONCUR WITH THIS OFFICE.		² OGRID Number 022351
		³ Reason for Filing Code NW
⁴ API Number 30-025-34011	⁵ Pool Name MONUMENT ABO	⁶ Pool Code 46970
⁷ Property Code 20361	⁸ Property Name NEW MEXICO 'E' STATE NCT-2	⁹ Well No. 2

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
F	23	19-S	36-E		2310	NORTH	2175	WEST	LEA

¹¹ Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
¹² Lse Code S	¹³ Producing Method Code P	¹⁴ Gas Connection Date 8/20/97	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
022507	TEXACO TRADING TRANSPORTATION P.O. BOX 60628 MIDLAND, TX 79711	2819057	O	K-23-19S-36E LEA CO., N.M.
022345	TEXACO E & P INC., GAS PLT ACCT. 36TH FLOOR, P.O. BOX 4325 HOUSTON, TX 77210-4325	2819058	G	K-23-19S-36E LEA CO., N.M. (11-021-3406)

IV. Produced Water

²³ POD 2819059	²⁴ POD ULSTR Location and Description K-23-19S-36E, LEA CO., N.M.
------------------------------	---

V. Well Completion Data

²⁵ Spud Date 7/19/97	²⁶ Ready Date 8/14/97	²⁷ Total Depth 8000'	²⁸ PBDT 7665	²⁹ Perforations 7400'-7616'
³⁰ HOLE SIZE	³¹ CASING & TUBING SIZE	³² DEPTH SET	³³ SACKS CEMENT	
11	8 5/8	1340'	600 SACKS	
7 7/8	5 1/2	8000'	2775 SACKS	

VI. Well Test Data

³⁴ Date New Oil 8/20/97	³⁵ Gas Delivery Date 8-20-97	³⁶ Date of Test 9-15-97	³⁷ Length of Test 24	³⁸ Tubing Pressure	³⁹ Casing Pressure
⁴⁰ Choke Size	⁴¹ Oil - Bbls. 164	⁴² Water - Bbls. 425	⁴³ Gas - MCF 192	⁴⁴ AOF	⁴⁵ Test Method P

⁴⁶ 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

Printed Name Paula S. Ives

Title Engineering Assistant

Date 10/13/97

Telephone 397-0432

OIL CONSERVATION DIVISION

Approved By:

Title: DISTRICT 1 SUPERVISOR

Approval Date:

OFC 10 1997

⁴⁷ If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date
-----------------------------	--------------	-------	------

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.

30-025-34042 **340 H**

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil / Gas Lease No.

SUNDY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMI
(FORM C-101) FOR SUCH PROPOSALS.

7. Lease Name or Unit Agreement Name
NEW MEXICO 'E' STATE NCT-2

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

8. Well No. 2

2. Name of Operator
TEXACO EXPLORATION & PRODUCTION INC.

3. Address of Operator
P.O. Box 2100, Denver Colorado 80201

9. Pool Name or Wildcat
MONUMENT-ABO

4. Well Location

Unit Letter F : 2310 Feet From The NORTH Line and 2175 Feet From The WEST Line
Section 23 Township 19-S Range 36-E NMPM LEA COUNTY

10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3727'

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPERATION ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☒ PROD CSG

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1. DRILLED 7 7/8 INCH HOLE TO 8000'. TD @ 1730 HOURS.08-09-97.
2. RU SCHLUMBERGER. RAN OPEN HOLE LOGS -RAN PLATFORM EXPRESS-NGR-TDD-CNL-NGT. LOGGERS DEPTH @ 8000'.
3. RAN 161 JOINTS OF 5 1/2 INCH, 15.5#, WC-50 AND 24 JOINTS OF 5 1/2 INCH, 15.5#, LS-65.LTC CASING SET @ 8000'.
4. DOWELL CEMENTED: 2100 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.4 PPG, 2.14 CF/S). F/B 600 SACKS 50/50 POZ CLASS H W/2% GEL, 5% SALT, 1/4# FLOCELE (14.2 PPG, 1.35 CF/S). DID NOT BUMP PLUG. SHUT DOWN @ 12:30 P.M. 08-11-97. RECEIVED 420 SACKS CIRCULATED TO RESERVE PIT.
5. ND. RELEASE RIG @ 1700 HOURS 08-11-97.
6. PREP TO COMPLETE.

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

SIGNATURE C. P. Basham / SR D TITLE Eng. Assistant.

DATE 8/15/97

TYPE OR PRINT NAME Sheilla D. Reed-High

Telephone No. (303)793-4851

(This space for State Use)

APPROVED

CONDITIONS OF APPROVAL, IF ANY: Chris Williams TITLE

DISTRICT 1 SUPERVISOR

DATE NOV 4 1997

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.

30-025-~~34042~~ 34011

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil / Gas Lease No.

7. Lease Name or Unit Agreement Name

NEW MEXICO 'E' STATE NCT-2

8. Well No.

2

9. Pool Name or Wildcat

MONUMENT-ABO

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMI
(FORM C-101) FOR SUCH PROPOSALS.

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

2. Name of Operator
TEXACO EXPLORATION & PRODUCTION INC.

3. Address of Operator
P.O. Box 2100, Denver Colorado 80201

4. Well Location

Unit Letter F : 2310 Feet From The NORTH Line and 2175 Feet From The WEST Line

Section 23 Township 19-S Range 36-E NMPM LEA COUNTY

10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3727'

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPERATION ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

COMPLETION ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1. RAN GAMMA RAY/COLLAR CORRELATION LOG. PERF'D 64 HOLES W/ 2 JSPF: 7693'-7698', 7224'-7727', 7796'-7799', 7853'-7855', 7863'-7865', 7884'-7888', 7893'-7895', 7953'-7908', 7918'-7920', 7926'-7930'. 08-15-97.
2. ACID/BALLOUT W/4500 GALS OF 15% HCL NEFE ACID. 08-16-97.
3. RAN 1.5 X 12" GAS ANCHOR, 2-1/2" X 1-3/4" X 26' PUMP, K-BARS, RODS. STARTED PUMPING UNIT. 08-19-97.
4. PULL RODS AND PUMP. 09-03-97.
5. RU SCHLUMBERGER. SET BAKER CIBP @ 7675'. DUMPED 10' CMT ON TOP. LOADED HOLE W/2% KCL WATER. TEST TO 2500 PSI FOR 15 MINUTES. TIH W/4" OD HSC GUNS. PERF'D GROSS INTERVAL FROM: 7400'-7408', 7445'-7447', 7467'-7495', 7532'-7547', 7582'-7586', 7614'-7616'. 09-04-97.
6. PU GAS ANCHOR, 2-1/2" X 1-1/2" X 24' PUMP, K-BARS, RODS. WELL ON PUMP @ 4:30 PM 09-13-97.
7. OPT: PUMPED 164 BO, 425 BW, 192 MCF IN 24 HOURS FROM DRLG TO PM 09-15-97.

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

SIGNATURE C.P. [Signature] TITLE Eng. Assistant.

DATE 9/25/97

TYPE OR PRINT NAME Sheilla D. Reed-High

Telephone No. (303)793-4851

(This space for State Use)

APPROVED

CONDITIONS OF APPROVAL, IF ANY [Signature] TITLE Geologist

DATE

OCT 06 1997

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO. 30-025-34011
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil / Gas Lease No.
7. Lease Name or Unit Agreement Name NEW MEXICO 'E' STATE NCT-2
8. Well No. 2
9. Pool Name or Wildcat Monument Abo
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3727

SUNDRY NOTICES AND REPORTS ON WELL
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT
(FORM C-101) FOR SUCH PROPOSALS.)

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

2. Name of Operator
TEXACO EXPLORATION & PRODUCTION INC.

3. Address of Operator
205 E. Bender, HOBBS, NM 88240

4. Well Location
Unit Letter F 2310 Feet From The NORTH Line and 2175 Feet From The WEST Line
Section 23 Township 19-S Range 36-E NMPM LEA COUNTY

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPERATION <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: <input checked="" type="checkbox"/>	

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

INSTALLED IDENTIFIED RISERS AND SURFACE VALVES ON OUTLET OF ALL UNEXPOSED CASING STRINGS.

INSTALLATION WAS APPROVED BY NMOCD PERSONNEL.

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

SIGNATURE *V. Greg Maes* TITLE Engineering Assistant DATE 9/10/97

TYPE OR PRINT NAME V. Greg Maes Telephone No. 397-0431

(This space for State Use)

APPROVED BY *[Signature]* TITLE Geologist DATE OCT 06 1997

CONDITIONS OF APPROVAL, IF ANY:

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.

30-025-34042 34211

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil / Gas Lease No.

7. Lease Name or Unit Agreement Name

NEW MEXICO 'E' STATE NCT-2

8. Well No.

2

9. Pool Name or Wildcat

MONUMENT-ABO

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT
(FORM C-101) FOR SUCH PROPOSALS.

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

2. Name of Operator
TEXACO EXPLORATION & PRODUCTION INC.

3. Address of Operator
P.O. Box 2100, Denver Colorado 80201

4. Well Location
Unit Letter F : 2310 Feet From The NORTH Line and 2175 Feet From The WEST Line
Section 23 Township 19-S Range 36-E NMPM LEA COUNTY

10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3727'

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPERATION ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

SPUD, SURF CSG

☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1. NABORS RIG #348 SPUD 11 INCH HOLE @ 1900 HOURS 07-19-97. DRILLED TO 1340'. TD @ 1330 HOURS 07-20-97.
2. RAN 31 JOINTS OF 8 5/8 INCH, 24#, WC-50, STC CASING SET @ 1340'. RAN 12 CENTRALIZERS.
3. DOWELL CEMENTED WITH 450 SACKS CLASS C W/ 4% GEL, 2% CACL2 (13.5 PPG, 1.74 CF/S). F/B 150 SACKS CLASS C W/ 2% CACL2 (14.5 PPG, 1.32 CF/S). PLUG DOWN @ 5:00 AM 07-21-97. CIRCULATED 138 SACKS.
4. NU BOP & TESTED TO 1200#. TESTED CASING TO 1200# FOR 30 MINUTES FROM 9:00-9:30 PM. 07-22-97
5. WOC TIME 16 HOURS FROM 5:00 AM TO 9:00 PM 07-22-97. REQUIREMENTS OF RULE 107, OPTION 2:
 1. VOLUME OF CEMENT SLURRY: LEAD 783 (CU. FT.), TAIL 198 (CU. FT.).
 2. APPROX. TEMPERATURE OF SLURRY WHEN MIXED: 50 F.
 3. EST. FORMATION TEMPERATURE IN ZONE OF INTEREST: 90 F.
 4. EST. CEMENT STRENGTH AT TIME OF CASING TEST: 1933 PSI.
 5. ACTUAL TIME CEMENT IN PLACE PRIOR TO TESTING: 16 HOURS.
6. DRILLING 7 7/8 INCH HOLE.

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

SIGNATURE C.P. Bacham / SETH TITLE Eng. Assistant.

DATE 8-4-97

TYPE OR PRINT NAME Sheilla D. Reed-High

Telephone No. (303)793-4851

(This space for State Use)

APPROVED

CONDITIONS OF APPROVAL, IF ANY:

Chris Williams

DISTRICT 1 SUPERVISOR

TITLE

DATE

AUG 25 1997

Schlumberger
Dowell

CEMENT TESTING REPORT

File No.: _____

Report Date: 19 July 1997Operator: TEXACO

Requested By: _____

Lease No: NM "E" STATE 2Service Point: HNMLocation: LEA NMType of Job: Surface**Test Conditions:**Depth: 1330 ft., Temp Grad _____, BHST: 89 °F, BHCT: 84 °F

Properties:	Density (ppg)	Yield (cu ft/sk)	Mix Water (gal/sk)	Total Liquid (gal/sk)	Water Source	Cement Source
System No. 1	<u>13.5</u>	<u>1.74</u>	<u>9.11</u>	<u>9.11</u>	<u>Loc</u>	<u>C</u>
System No. 2	<u>14.8</u>	<u>1.34</u>	<u>6.32</u>	<u>6.32</u>	<u>Loc</u>	<u>C</u>
System No. 3	_____	_____	_____	_____	_____	_____
System No. 4	_____	_____	_____	_____	_____	_____

Cement System Compositions:System No. 1 C + 4% DZO + 2% S1System No. 2 C + 2% S1

System No. 3 _____

System No. 4 _____

Thickening Time Results**Rheology Results**

SYSTEM	HR:MIN	BC	300	200	100	60	30	5	3	PV or n'	Ty or k'	RHEOLOGICAL MODEL	I.O.D.
No. 1	<u>3:40</u>	<u>70</u>	<u>36</u>	<u>31</u>	<u>27</u>	<u>22</u>	<u>17</u>	<u>14</u>	<u>12</u>				
No. 2	<u>2:10</u>	<u>70</u>	<u>40</u>	<u>36</u>	<u>31</u>	<u>26</u>	<u>20</u>	<u>17</u>	<u>14</u>				
No. 3													
No. 4													

Compressive Strengths - psi

SYSTEM	TEMP.	6 HR.	12 HR.	24 HR.
No. 1	<u>89 °F</u>	<u>250</u>	<u>500</u>	<u>800</u>
No. 1	°F			
No. 2	<u>89 °F</u>	<u>600</u>	<u>1400</u>	<u>2000</u>
No. 2	°F			
No. 3	°F			
No. 3	°F			
No. 4	°F			
No. 4	°F			

FLUID LOSS**FREE WATER**

SYSTEM	°F, _____ psi	°F
	mL/30 min	mL
No. 1		
No. 2		
No. 3		
No. 4		

Remarks: Previous DataChemist: LDS abiz

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88211-0719

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

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

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-101

Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 6 Copies

Fee Lease - 5 Copies

☐ AMENDED REPORT

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address TEXACO EXPLORATION & PRODUCTION INC. P.O. Box 3109, Midland Texas 79702		² OGRID Number 022351
⁴ Property Code 20361	⁵ Property Name NEW MEXICO 'E' STATE NCT-2	³ API Number 30-025-34011 ⁶ Well No. 2

⁷ Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
F	23	19-S	36-E		2310	NORTH	2175	WEST	LEA

⁸ Proposed 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
⁹ Proposed Pool 1 MONUMENT ABO					¹⁰ Proposed Pool 2				

¹¹ Work Type Code N	¹² WellType Code O	¹³ Rotary or C.T. ROTARY	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3727'
¹⁶ Multiple No	¹⁷ Proposed Depth 8000'	¹⁸ Formation ABO	¹⁹ Contractor NABORS	²⁰ Spud Date 6/15/97

²¹ Proposed Casing and Cement Program

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
11	8 5/8	24#	1330'	600 SACKS	SURFACE
7 7/8	5 1/2	15.5#	8000'	1400 SACKS	1000'

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

CEMENTING PROGRAM:

SURFACE CASING - 450 SACKS CLASS C W/ 4% GEL, 2% CACL2 (13.5 PPG, 1.74 CF/S, 9.11 GW/S). F/B 150 SACKS CLASS C W/ 2% CACL2 (14.8 PPG, 1.34 CF/S, 6.3 GW/S).

PRODUCTION CASING - 800 SACKS 35/65 POZ CLASS H W/6% GEL, 5% SALT, 1/4# FLOCELE (12.4 PPG, 2.14 CF/S, 11.9 GW/S). F/B 600 SACKS 50/50 POZ CLASS H W/ 2% GEL, 5% SALT, 1/4# FLOCELE (14.2 PPG, 1.35 CF/S, 6.3 GW/S)

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

23 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

C. Wade Howard

Printed Name

C. Wade Howard

Title Eng. Assistant

Date 6/4/97

Telephone 688-4606

OIL CONSERVATION DIVISION

Approved By:

Chris Williams

Title:

DISTRICT 1 SUPERVISOR

Approval Date:

JUN 6 1997

Expiration Date:

Conditions of Approval:

Attached ☐

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

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

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

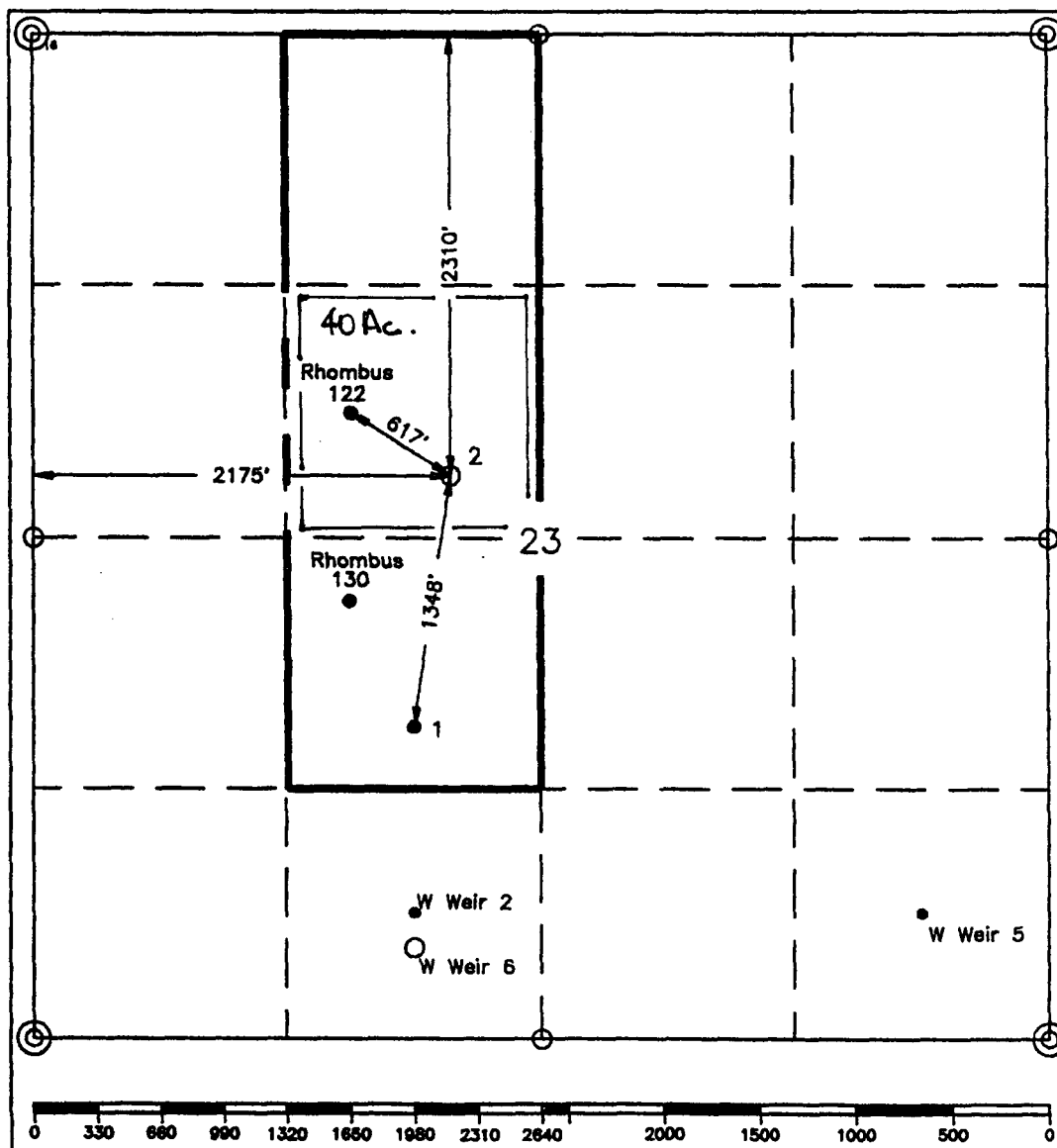
State Lease-4 copies
Fee Lease-3 copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

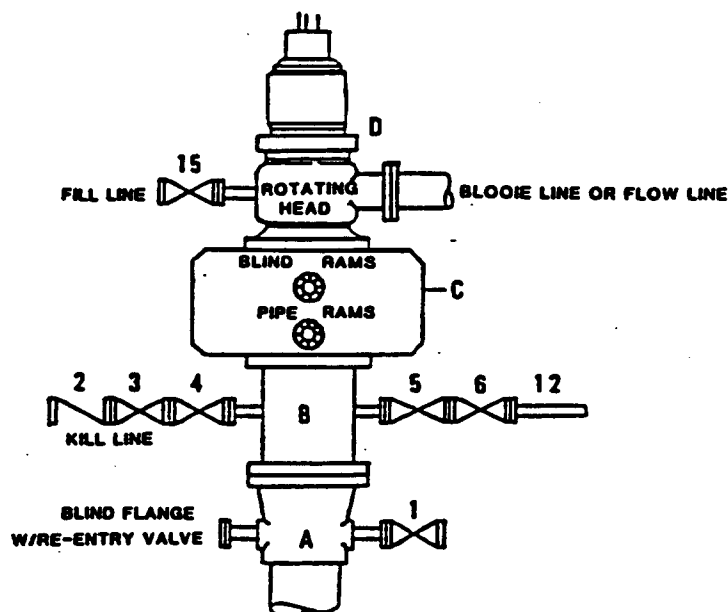
¹ API Number 30-025-34011		² Pool Code 46970		³ Pool Name Monument ABO					
⁴ Property Code 20361		⁵ Property Name New Mexico "E" State NCT-2						⁶ Well Number 2	
⁷ OGRID No. 22351		⁸ Operator Name TEXACO EXPLORATION & PRODUCTION, INC.						⁹ Elevation 3727'	
¹⁰ Surface Location									
UL or lot no. F	Section 23	Township 19-S	Range 36-E	Lot Idn	Feet from the 2310'	North/South line North	Feet from the 2175'	East/West line West	County Lea
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 40		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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

	¹⁶ OPERATOR CERTIFICATION	
	I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
	Signature <i>C. Wade Howard</i>	
	Printed Name C. Wade Howard	
	Position Engineer's Assistant	
	Company Texaco Expl. & Prod. Inc.	
	Date June 4, 1997	
	¹⁷ SURVEYOR CERTIFICATION	
	I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.	
	Date Surveyed May 28, 1997	
Signature & Seal of Professional Surveyor <i>John S. Piper</i>		
Certificate No. 7254 John S. Piper		
Sheet		

○ = Staked Location • = Producing Well = Injection Well ◇ = Water Supply Well ◆ = Plugged & Abandon Well

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



H₂S TRIM REQUIRED
YES _____ NO _____

DRILLING CONTROL

MATERIAL LIST - CONDITION II - B

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



TEXACO, INC.
MIDLAND DIVISION
MIDLAND, TEXAS



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

EXHIBIT C

WRS COMPLETION REPORT

COMPLETIONS

30-T-0031 01/30/98 SEC 23 TWP 19S RGE 36E
30-025-34011-0000 PAGE 1

NMEX

LEA

* 2310FNL 2175FWL SEC

STATE

COUNTY

FOOTAGE

SPOT

TEXACO EXPL & PROD

D DO

OPERATOR

WELL CLASS INIT FIN

2

NEW MEXICO 'E' STATE NCT-2

WELL NO.

LEASE NAME

3727GR

MONUMENT

OPER ELEV

FIELD/POOL/AREA

API 30-025-34011-0000

LEASE NO.

PERMIT OR WELL I.D. NO.

07/19/1997

09/15/1997 ROTARY

VERT

OIL

SPUD DATE

COMP. DATE

TYPE TOOL

HOLE TYPE

STATUS

8000 ABO

NABORS DR LG USA

348

PROJ. DEPTH

PROC. FORM

CONTRACTOR

DTD 8000

PB 7665

FM/TD ABO

DRILLERS T.D.

LOG T.D.

PLUG BACK TD

OLD T.D.

FORM T.D.

LOCATION DESCRIPTION

2 MI SW MONUMENT, NM

CASING/LINER DATA

CSG 8 5/8 @ 1340 W/ 600 SACKS

CSG 5 1/2 @ 8000 W/ 2775 SACKS

TUBING DATA

TBG 2 7/8 AT 7620

INITIAL POTENTIAL

IPP 164BOPD

192

MCFD 425BW

24HRS

ABO

PERF

W/

2/FT 7400- 7616

PERF

7400- 7616

ACFR

7400- 7616

24000GALS

20%

GTY 42.0 GCR

1170

TYPE

FORMATION

LTH

TOP DEPTH/SUB

BSE DEPTH/SUB

LOG

SALT

1356

2371

LOG

QUEEN

3700

27

LOG

SN ANDRS

4365

-638

LOG

BLINESRY

6125

-2398

LOG

TUBB

6540

-2813

LOG

DRINKARD

6780

-3053

LOG

ABO

7203

-3476

CONTINUED IC# 300257037597

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Petroleum Information/
Dwights LLCP/D-WRS-GET
Form No 187

COMPLETIONS SEC 23 TWP 19S RGE 36E
30-T-0031 01/30/98 30-025-34011-0000 PAGE 2

TEXACO EXPL & PROD D DO
2 NEW MEXICO 'E' STATE NCT-2

TYPE FORMATION LTH TOP DEPTH/SUB BSE DEPTH/SUB

SUBSEA MEASUREMENTS FROM GR

PRODUCTION TEST DATA

ABO PERF 7693- 7930
PERF 7693- 7930
BRPG @ 7665 7693- 7930

LOGS AND SURVEYS /INTERVAL,TYPE/

LOGS 0- 8000 NGT 0- 8000 CNL GR
LOGS CCL

DRILLING PROGRESS DETAILS

TEXACO EXPL & PROD
BOX 3109
MIDLAND, TX 79702
915-688-4100
06/06 LOC/1997/
07/22 DRLG AHEAD
08/29 8000 TD, WOCT
11/07 8000 TD, PB 7665, WOSP
01/23 TD REACHED 08/09/97 RIG REL 08/11/97
8000 TD, PB 7665
COMP 9/15/97, IPP 164 BOPD, 192 MCFGPD,
425 BWPD, GTY 42, GOR 1170
PROD ZONE - ABO 7400-7616
NO CORES OR DSTS