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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.

المتحقق والمساج

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-10091, April 1, 1994; Older No. Order No. R-10795, May 1, 1996; Order No. R-10716, 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. Sec. 1; N/2 Sec. 2; NE/4 Sec. 3. W/2 Sec. 5; Sec. 6; NE/4 Sec. 7. 20-S, R-36-E T-20-S. R-37-E

CEDAR LAKE-MORROW GAS POOL Eddy County, New Mexico

Order No. R-2187, March 1, 1962, Establishing Pool, as Amen eded 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 S N/2 Sec. 36. T-18-S, R-30-E Sec. 2; N/2 Sec. 3. R-30-E W/2 Sec. 25; E/2 Sec. 26; Secs. 34, 35;

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

Order No. R-2187, March 1, 1962, Establishing Pool, as Amended Order No. R-2187, March 1, 1902, Establishing Pool, as Amendeu 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.

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

SECTION III

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.

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

> 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, Or der 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.

New Mexico Page 79

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 <u>15th</u> 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. Page 2

(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.

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

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(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

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WILLIAM J. LEMAY Director

SEAL

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-

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(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 PLVISION 0 0 WILLIAM J. LEMAY Director

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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 <u>+628</u> 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

1. 1.

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.

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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.

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COMPLETION PROCEDURE:

1. Back drag the location and set pulling unit anchors.

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- 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:

Interval	Type	Weight	Viscosity	Remarks
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

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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

		BU	RST	COLL	LAPSE	TEST
	DEPTH	Rated	(75%)	Rated	(75%)	PRESSURE
5-1/2", 15.5#, WC-50	8000'	4400	3300	3810	2857	800

Scientific Drilling Inc. Planning Report

14. No. 19

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MD ft 0.0 100.0 200.0 300.0 400.0 500.0 600.0 700.0 800.0 900.0 1000.0 1100.0	deg 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	deg 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	0.0 100.0 200.0 300.0 400.0 500.0 600.0 700.0 800.0 900.0 1000.0 1100.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	
MD 0.0 100.0 200.0 300.0 400.0 500.0 600.0 700.0 800.0 900.0 1000.0 1100.0 1200.0 1300.0	deg 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	deg 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	R 0.0 100.0 200.0 300.0 400.0 500.0 600.0 700.0 800.0 900.0 1000.0 1200.0 1300.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	
MD 0.0 100.0 200.0 300.0 400.0 500.0 600.0 700.0 800.0 900.0 1000.0 1100.0 1100.0 1200.0 1300.0 1400.0	deg 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	deg 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	100.0 100.0 200.0 300.0 400.0 500.0 500.0 600.0 700.0 800.0 900.0 1000.0 1100.0 1200.0 1300.0 1400.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	
MD 0.0 100.0 200.0 300.0 400.0 500.0 600.0 700.0 800.0 900.0 1000.0 1100.0 1100.0 1300.0 1400.0 1500.0	deg 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	deg 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	It 0.0 100.0 200.0 300.0 400.0 500.0 600.0 700.0 800.0 900.0 1000.0 1100.0 1300.0 1400.0 1500.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	
MD 100.0 100.0 200.0 300.0 400.0 500.0 600.0 700.0 800.0 900.0 1000.0 1100.0 1200.0 1300.0 1400.0 1500.0 1600.0 1700.0	deg 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	deg 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	II 0.0 100.0 200.0 300.0 400.0 500.0 600.0 700.0 800.0 900.0 1000.0 1200.0 1300.0 1400.0 1500.0 1600.0 1700.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	
MD 0.0 100.0 200.0 300.0 400.0 500.0 600.0 700.0 800.0 900.0 1000.0 1100.0 1200.0 1300.0 1400.0 1500.0	deg 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	deg 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	0.0 100.0 200.0 300.0 400.0 500.0 600.0 700.0 800.0 900.0 1000.0 1100.0 1100.0 1300.0 1400.0 1500.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	·

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 $\sum_{i=1}^{n} (i - i) \sum_{i=1}^{n} (i - i) \sum_{i$

Field: A Site: L Well: A	Texaco E & F Monument Al Lea County, J New Mexico 3 OH Original I	bo New Mexico #211			Verti	rdinate(NI ical (TVD) on (VS) Re	i) Reference Reference:	SITE 0.0	a County, N	ew Mexico, Ti an Sea Level	Page: 2
Section 1 MD ft	: Start Hold Incl deg	Azim deg	TAND A	+N/-S A	-+£/-₩ ft	VS ft	DLS deg/100ft	Build	Tarn deg/100ft	TFO deg	
2200.0	0.00	0.00	2200.0	0.0	n.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 2500.0	0.00 0.00	0.00 0.00	2400.0 2500.0	0.0 0.0	0.0 0.0	0.0 0.0	0.00 0.00	0.00 0.00	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 2900.0	0.00 0.00	0.00 0.00	2800.0 2900.0	0.0 0.0	0.0 0.0	0.0 0.0	0.00 0.00	0.00 0.00	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 3300.0	0.00 0.00	0.00 0.00	3200.0 3300.0	0.0 0.0	0.0 0.0	0.0 0.0	0.00 0.00	0.00 0.00	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 3700.0	0.00 0.00	0.00 0.00	3600.0 3700.0	0.0 0.0	0.0 0.0	0.0 0.0	0.00 0.00	0.00 0.00	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 4100.0	0.00 0.00	0.00 0.00	4000.0 4100.0	0.0 0.0	0.0 0.0	0.0 0.0	0.00 0.00	0.00 0.00	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 4500.0	0.00 0.00	0.00 0.00	4400.0 4500.0	0.0 0.0	0.0 0.0	0.0 0.0	0.00 0.00	0.00 0.00	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 4900.0	0.00 0.00	0.00 0.00	4800.0 4900.0	0.0 0.0	0.0 0.0	0.0 0.0	0.00 0.00	0.00 0.00	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 5300.0	0.00 0.00	0.00 0.00	5200.0 5300.0	0.0 0.0	0.0 0.0	0.0 0.0	0.00 0.00	0.00 0.00	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 5700.0	0.00 0.00	0.00 0.00	5600.0 5700.0	0.0 0.0	0.0 0.0	0.0 0.0	0.00 0.00	0.00 0.00	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 6100.0	0.00 0.00	0.00 0.00	6000.0 6100.0	0.0 0.0	0.0 0.0	0.0 0.0	0.00 0.00	0.00 0.00	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 6400.0	0.00 0.00	0.00 : 0.00	6300.0 6400.0	0.0 0.0	0.0 0.0	0.0 0.0	0.00 0.00	0.00 0.00	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 6800.0	0.00 0.00	0.00 0.00	6700.0 6800.0	0.0 0.0	0.0 0.0	0.0 0.0	0.00 0.00	0.00 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 7200.0	0.00 0.00	0.00 0.00	71 0 0.0 7200.0	0.0 0.0	0.0 0.0	0.0 0.0	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	
	: Start Build		, 200.0				0.00			0.00	
MD ft	lincl deg	Azim deg		+N/-S ft	+B-W R	VS A	DLS deg/100ft	Build deg/100fl	Tam 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 7240.0	15.76 21.02	270.00 270.00	7229.6 7239.1	0.0 0.0	-4.1 -7.3	4.1 7.3	52.54 52.54	52.54 52.54	0.00 0.00	0.00 0.00	
7250.0	26.27	270.00	7248.3	0.0	-11.3	11.3	52.54 52.54	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 7280.0	36.78 42.03	270.00 270.00	7265.3 7273.0	0.0 0.0	-21.7 -28.1	21.7 28.1	52.54 52.54	52.54 52.54	0.00 0.00	0.00 0.00	

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Section 2 : Start Build 52:54 MD Incl. Azim TVD $+N/-S$ $+E/-W$ VS DLS Build Turn TFO 7200.0 47.29 270.00 7280.1 0.0 -35.1 35.1 52.54 52.54 0.00 0.00 7300.0 57.80 270.00 7286.6 0.0 -42.7 52.54 52.54 0.00 0.00 7300.0 57.80 270.00 7282.3 0.0 -50.9 50.9 52.54 52.54 0.00 0.00 7320.0 63.05 270.00 7297.2 0.0 -56.6 52.54 52.54 0.00 0.00 7226.6 66.50 270.00 7300.2 0.0 -66.0 65.0 5.00 0.00 179.99 MD Incl Azim TVD +N/-S +E/-W VS DLS Build Turn TFO ft deg ft ft ft ft deg/100ft			egeodet one of A	ιι π ι	Pla		ction (VS) R m:)		Lea County New Mexic OH Origina	Site: Well: Wellpath:
ftdegdegftftftftdeg/100ftdeg/10				_							ild 52.54	2 : Start Bu	Section
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			um 1/400#	ild (1008 d									
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	tijlika - karpititijate k	inin dalamanini ini i					led et byratel (er		وبالمستعلمة فالتركي والمتحد المتحد	ومعطيته بتريين ويتروي والمتعري والمتعري والمتعري والمتعرف والمتعرف والمتعرف والمتعرف والمتعرف والمتعرف والمتعر		والمستيد المتشار	
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 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 ection 3 : Start DLS 5.00 TFO 179.99 MD Incl Azim TVD +N/-S +E/-W VS DLS Build Turn TFO deg deg ft ft ft ft deg/100ft deg/100ft deg/100ft deg 7327.0 66.48 270.00 7300.2 0.0 -66.0 66.0 5.00 -5.00 0.00 179.99 ection 4 : Start Hold Incl Azim TVD +N/-S +E/-W VS DLS Build Turn TFO ft deg deg ft ft ft ft ft ft deg/100ft de													
7326.6 66.50 270.00 7300.0 0.0 -65.6 65.6 52.54 52.54 0.00 0.00 ection 3 : Start DLS 5.00 TFO 179.99 MD Inct Azim TVD +N/-S +E/-W VS DLS Build Turn TFO ft deg deg ft ft ft ft ft deg/100ft				54	52.	52.54		-50.9	0.0	7292.3	270.00	57.80	7310.0
MD Incl Azim TVD +N/-S +E/-W VS DLS Build Turn TFO ft deg ft ft ft ft ft deg/100ft deg/100ft deg/100ft deg/100ft deg deg ft ft ft ft ft ft ft deg ft ft deg ft deg ft ft ft ft deg/100ft deg/100ft deg/100ft deg deg ft ft ft ft ft ft ft ft deg ft ft <ft<ft< td=""> ft ft<ft<ft< td=""> ft ft ft ft ft<ft< td=""> ft<ft<ft<ft>ft ft<ft<ft<ft<ft>ft<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></ft<ft<ft<ft></ft<ft<ft></ft<></ft<ft<></ft<ft<>													
MD Incl. deg Azim deg TVD +N/-S ft +E/-W ft VS DLS Build Tarm TFO deg 7327.0 66.48 270.00 7300.2 0.0 -66.0 66.0 5.00 -5.00 0.00 179.99 ection 4 : Start Hold +N/-S +E/-W VS DLS Build Tarm TFO ft deg deg ft ft ft ft deg 100ft deg/100ft deg/100ft deg 7400.0 66.48 270.00 7329.3 0.0 -132.9 132.9 0.00 0.00 180.00 7500.0 66.48 270.00 7329.3 0.0 -132.9 132.9 0.00 0.00 180.00 7600.0 66.48 270.00 7369.2 0.0 -224.6 224.6 0.00 0.00 180.00 7600.0 66.48 270.00 749.1 0.0 -316.3 316.3 0.00 <t< td=""><td></td><td>0.00</td><td>.00</td><td>54</td><td>52.5</td><td>52.54</td><td>65.6</td><td>-65.6</td><td>0.0</td><td>7300.0</td><td>270.00</td><td>66.50</td><td>7326.6</td></t<>		0.00	.00	54	52.5	52.54	65.6	-65.6	0.0	7300.0	270.00	66.50	7326.6
ft deg deg ft ft ft ft deg/100ft	and and a second se		sankada (77)								a ang a sana pagana pan	The service of the se	Ne contern
MD Incl Azim TVD +N/-S +E/-W VS DLS Build Turn TFO ft deg deg ft ft ft ft deg/100ft deg/100ft deg deg ft ft ft ft deg/100ft deg/100ft deg												digitized i rejente de la secondario	and strength for m
MD Incl Azim TVD +N/-S +E/-W VS DLS Build Tarm TFO ft deg deg ft ft ft ft deg/100ft deg/100ft deg/100ft deg/100ft deg deg deg ft ft ft ft deg/100ft deg/100ft deg/100ft deg		179.99	.00	00	-5.0	5.00	66.0	-66.0	0.0	7300.2	270.00	66.48	7327.0
ft deg deg ft ft ft deg/100ft deg/10ft deg/100ft <td></td> <td>ld</td> <td>4 : Start Ho</td> <td>ection</td>											ld	4 : Start Ho	ection
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True Vertical Depth [100ft/in]



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

P.O. Box 1980, Nubbs, NM 88211-9719 Energy, Minerals and Natural Resources Department Revised February 10 DISTRICT.II OIL CONSERVATION DIVISION Submit to Appropriate Districtions on DISTRICT.III P.O. Box 2088 State Lease - 4 C DISTRICT.W Santa Fe, New Mexico 87504-2088 State Lease - 4 C P.O. Box 2088, Santa Fe, NM 87410 Santa Fe, New Mexico 87504-2088 AMENDED REPC VELL LOCATION AND ACREAGE DEDICATION PLAT AMENDED REPC AMENDED REPC * API Number * Pool code * Property Name * Minerals and Natural Resources Department Minerals and Natural Resources Department AMENDED REPC * API Number * Pool Santa Fe, New Mexico 287504-2088 State Lease - 3 C AMENDED REPC * Oropation Santa Fe, New Mexico 287504-2088 * Pool Name * Minerals and Natural Resources Department AMENDED REPC * Oropation Santa Fe, New Mexico 287504-2088 * Pool Name * Mexico 19 Code * Pool Name * Pool Name * Minerals and Natural Resources Department AMENDED REPC * Oropation Santa Fe, New MEXICO EXTORN Name * Pool Name * Elevation * State Lease *														
DISTRICT II Revised February TL P.O. Box Drawer DD, Artesia, NM 82211-0719 OIL CONSERVATION DIVISION Submit to Appropriate District DISTRICT II P.O. Box 2088 State Ease - 40 1000 Rio Brazes RG, Acteo, NM 87410 Santa Fe, New Mexico 87504-2088 State Lease - 40 P.O. Box 2088, Santa Fe, NM 8750-2088 WELL LOCATION AND ACREAGE DEDICATION PLAT AMENDED REPC * Operty Name * Pool Code * Pool Name 30-025-34011 * Pool Code * Pool Name * Operty Name * Well No. 23351 * Operty Name * Operator Name * Well No. 20351 TEXACO EXPLORATION & PRODUCTION INC. 3727 * OGRID Number * Operator Name * Elevation 101 or lot no Section Township Rage 11 Bottom Hole Location If Different From Surface UI or lot no Section If Different No. 12 Posticated Acre * Joint or Infill * Consolidation Code * Order No. 13 Declicated Acre * Joint or Infill * Consolidation Code * Order No. 13 Declicated Acre * Joint or Infill * Consolidation Code * Operat	DISTRICT I						_		,	_				Form C
P.0. Box Drawer OD, Artesia, NM 82211-0719 OIL CONSERVATION DIVISION Submit to Appropriate District District III DISTRICT III P.0. Box 2088 Submit to Appropriate District Submit to Appropriate District TV P.0. Box 2086, Santa Fe, NM 87504-2089 Santa Fe, New Mexico 87504-2088 State Lease - 3 C P.0. Box 2086, Santa Fe, NM 87504-2089 WELL LOCATION AND ACREAGE DEDICATION PLAT AMENDED REPC * API Number 2 Pool Code 3 Pool Name MONUMENT ABD * API Number 2 Pool Code 3 Pool Name MONUMENT ABD * Property Code * Property Name * Well No. 2 2 * OGRID Number 2 000 MEX MEXICO E' STATE NCT-2 2 * OGRID Number 2 000 9 Operator Name 3 Elevation 022351 TEXACO EXPLORATION & PRODUCTION INC. 3727' * Districe Location If Different From The East/West Line Count UI or ton no Section Township Range Lot.Idn Feel From The North/South Line Feel From The East/West Line Count * Dedicated Acre *1 Joint or Infill *16 Consolidation Code * Order No.		, Hobos, NN	A 88241-1	980			Energy,	, Minerals and N	atural Resources	s Depa	rtment		Revised Fe	ebruary 10
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WELL LOCATION AND ACREAGE DEDICATION PLAT * API Number * Pool Code * Properly Code * Properly Name * MONUMENT ABD * Properly Code * Properly Name * Well No. 2 * OGRID Number * Operator Name * Uwell No. 2 * OGRID Number * Operator Name * Elevation 022351 * TEXACO EXPLORATION & PRODUCTION INC. 3727 10 Surface Location Ul or lot no Section Township Range LoLIdn Feet From The North/South Line Feet From The EastWest Line Count Ul or lot no Section Township Range LoLIdn Feet From The North/South Line Feet From The EastWest Line Count F 23 19-S 36-E LoLidn Feet From The NoRTH 2175 WEST LEA 10 or lot no Section Township Range LoLidn Feet From The NoRTH 21650 WEST LEA 10 action or infill No No Consolidation Code 10 Order No. NORTH 1650 WEST LEA <		Santa Fe	NM 87504.	2088										ם פפט
APT Hamilies Pool (Code 48970 Property Name Pool (Name MONUMENT ABD * Property Code 20361 * Property Name * Well No. 20361 NEW MEXICO 'E' STATE NCT-2 2 * OGRID Number 022351 * Operator Name * 2 * Ogerator Name * 0 Elevation 023231 Township Range Lot.Idn Feet From The East/West Line Cour UI or lot no Section Township Range Lot.Idn Feet From The East/West Line Cour # Dedicated Acre 19 -S 36-E Lot.Idn Feet From The East/West Line Cour # Dedicated Acre 19 -S 36-E Lot.Idn Feet From The NORTH 1550 WEST LEA ** Dedicated Acre ** 36-E Lot.Idn Feet From The NORTH 1650 WEST LEA ** Dedicated Acre ** Joint or Infill ** Consolidation Code ** Order No. ** Dedicated Acre ** Joint or Infill ** Consolidation Code ** Order No. ** Dedicated Acre **	U. BUX 2000,	, Sana re,	INIAI 01 204-	-2000	WE	ELL	LOCATIO	ON AND ACF	EAGE DEDIC	ATIC	N PLAT			
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18 SURVEYOR CERTIFICATION 18 SURVEYOR CERTIFICATION 1 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											THE DIVISION 17 OP I hereby of contained he best of my ku Signature Printed Van J. Deniso Positio Engineet Date 3/28/00 18 SUR I hereby cert on this plat w actual survey supervision, correct to the belief. Date Survey Signature &	ERATOR certify that rein is trum nowledge e Leake ring As RVEYOR ify that the was plotted ys made b and that the best of m ed Seal of	R CERTIFIC the information and belief and belief CUUUU e ssistant R CERTIFIC e well location d from field no by me or unde the same is tru- ny knowledge	ATION on te to the ATION shown tes of r my re and
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18 SURVEYOR CERTIFICATION 1 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											THE DIVISION 17 OP I hereby of contained he best of my ku Signature Printed Van J. Deniso Positio Enginee Date 3/28/00 18 SUR I hereby cert on this plat w actual survey supervision, correct to the belief. Date Survey Signature & Professional	ERATOR certify that rein is trun nowledge e Leake ring As RVEYOR ify that the was plotted ys made b and that the vas plotted Seal of Surveyor	R CERTIFIC the information and belief and belief CUUUC e e esistant R CERTIFIC e well location d from field no by me or unde the same is tru- ny knowledge	ATION on te to the ATION shown tes of r my re and

DeSoto/Nichols 3/94 ver 1.10

Submit 3 copies State of New to Appropriate Energy, Minerals and Natural District Office	Form C-103
DISTRICT I P.O. Box 1980, Hobbs, NM 88240 DISTRICT II P.O. Box Drawer DD, Artesia, NM 88210 DISTRICT III DISTRICT III	30-025-34011
1000 Rio Brazos Rd., Aztec, NM 87410 SUNDRY NOTICES AND REPORTS ON WE (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPE DIFFERENT RESERVOIR. USE "APPLICATION FOR (FORM C-101) FOR SUCH PROPOSALS.)	ELL EN OR PLUG BACK TO A 7. Lease Name or Unit Agreement Name
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	9. Pool Name or Wildcat
4. Well Location Unit Letter F : 2310 Feet From The NOF Section 23 Township 19-S	MONUMENT ABO RTH_Line and 2175 Feet From The WEST_Line Range 36-E NMPM LEA
	ature 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:	COMMENCE DRILLING OPERATION PLUG AND ABANDONMENT

^{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

		Engineering Assistant	DATE 7/27/98
	J. Denise Leake		Telephone No. 397-0405
(This space for State Use) APPROVED BY		DISTRICT 1 SUPERVISOR	DATE AUG 1 0 1998

CONDITIONS OF APPROVAL, IF ANY:

۰.

Submit to Appropriate					State of Ne	w Mê	xico								Form	0-105
Submit to Appropriate District Office State Lease - 6 copies			Ener	gy, Miner	als and Natura	al Res	ources	Depart	ment							ed 1-1-89
Fee Lease - 5 copies DISTRICT 1			ОЦ	CON	SERVA	ГIЛ	ND	TVIC	ION	งก						
P.O. Box 1980, Ho	bbs,	NM 88240	UIL	CON		-		1 4 13		ין י	WELL AP	1 NO.	30.026	-34011		
DISTRICT II				Conto I	P.O. Box :		0			ŀ						
P.O. Box Drawer DI), Ar	tesia, NM 88	210	Santa I	⁼ e, New Me	XICO	87504	1-2080	•	1). Indica	te typ	e of Leas	STATE	ส	FEE 🗂
DISTRICT III										t i	5. State	Oil / G			3	
1000 Rio Brazos Ro	i., A:	ztec, NM 874	10													
	W	ELL COMPLET	ION OR R	ECOMPL	ETION REPO	RTA	ID LOC	3								
1a. Type of Well:														Agreement		
OIL WELL 🛛 GA			т Ц от	HER	·····		01	HER		[NEW M	EXICC	D'E' STA	TE NCT-2	2	
			DEEPEN				•									
2. Name of Operator																
		TEXACO EX	PLORATIO	N & PROD	UCTION INC.					!	B. Well N	lo.	2			. <u> </u>
3. Address of Operat	or	205 E. Bend	er, HOBBS	, NM 882	240					!	9. Pool N	lame o	r Wildcat MONUI	MENT ABO		
4. Well Location														_		
		F:														
Section	<u>2</u> ו	3	Towns	hip <u>19-</u>	s	Ra	nge 🛄	<u>36-E</u>		. NMF	рм М			LEA CO	DUNTY	
10. Date Spudded 7/19/97	1	1. Date T.D. Rea	sched 8/9/97	12. Date	Compl. (Ready			13. E 372		ns (Df	* & RKB,	RT, G	R, etc.)	14.	Elev. Cs	ghead
15. Total Depth	16	. Plug Back T.D.		f Mult. Co	ompl. How Many	8/14/ v Zone	_	18. Inte		Bota	ry Tools			able Tools		
8000'		365							led By	1	-	•				
19. Pro:lucing Interva	l(s),	of this completio	n - Top, Bo	ottom, Na	me				· .				20. Was	Directiona	Survey	Made
7400'-3616' MONU	MEN	T ABO		•									YES			
21. Type Electric and	Othe	ar Logs Run			· · · · _ · · · · · · · · · · · · ·								22. Was	Well Core	1	
PE/NGR/1DD/CNL/NG	T/GF	VCCL										· _	NO			
23.				CASIN	IG RECORD	(Rep	ort all	Strings	s set i	n we	II) —					
CASII G SIZE		WEIGHT LE	3./FT.	D	EPTH SET	T	1	HOLE SI	ZE	T	CEM	ENT F	RECORD	AM	OUNT P	ULLED
8 5/8		24#		1340'		1	1			\rightarrow	600 SA	CKS		138 CI	RC	
5 1/2		15.5#		8000'	•	7	7/8			-	2775 S	ACKS		420 C	RC	2
												·				
· · · · · · · · · · · · · · · · · · ·				· · ·						-+						
·····	·				· · · · · · · · · · · · · · · · · · ·	-[-										
24.		I	LINER F	RECORD	·····					25.			TUBING	RECORD)	
SIZE		ТОР	BOT		SACKS CEM	ENT		SCREEN			SIZE		DEPT	H SET	PAC	KER SET
								_		2-7/8			7620'			
					+		<u> </u>									
26. Perforation recor	d (int	terval, size, and	number)			··· •·	27.	AC	ID, SH	OT, F	RACTU	RE, C	EMENT.	SQUEEZ	E, ETC	•
7400'-7616' W/2JSF	F							PTH INT	ERVAL	Ť	A	MOUN	T AND KI		IAL US	ED
7693'-7930' PLUGGI	ED B/	ACK			•		7400	-7616'		FI	RAC 240	00 GA	LS 20%	§ 40000 G	ALS	···
										w	F-140					
					•							<u> </u>				
28.		·······			PRODU	стю	N									
Date First Production 8/2	0/97	Production Me PUMP (2.5"			ift, pumping - si	ze and	type p	ump)	u				Well St PRODI	atus (Prod JCING	. or Shu	rt-in)
			Choke Size		Prod'n For	Oil -	Bbl.		Gas - M	MCF		Water			Oil Rat	<u>.</u>
	24				Test Period	164		ľ	192		1	425		117		
Flow Tubing Press.	G	asing Pressure	1	ulated 24 r Rate	- Oil - Bbl.		Ga	s - MCF		Wa	ater - Bbl	•	Oil G	ravity - AP	I -(Corr.)
29. Disposition of Ga SOLD	s (Sa	ld, used for fuel	, vented, e	tc.)	••••••••••••••••••••••••••••••••••••••						<u></u>	Test \	Witnessed	Вү		·
30. List Attachment	DEV	ATION SUBVEY	,				·····					L				
31. I hereby certify th				a d this f												<u></u>
	سر د مرد				TITLE En	gine	ering .	Assista	ant		eade suc		DAT	E	10/1	3/97
TYPE OR PRINT NAM	IE	P	aula S. I	ves									Telephon	в No. 3	97-043	2
													·			

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DeSoto/Nichols 12-93 ver 1.0

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

Northwestern New Mexico

T. Anhy		T. Canyon	T. Ojo Alamo	T. Penn "B"
T. Salt		T. Strawn	T. Kirtland-Fruitland	T. Penn "C"
B. Salt	1356	T. Atoka	T. Pictured Cliffs	T. Penn "D"
T. Yates	2830	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers		T. Devonian	T. Menefee	T. Madison
T. Queen	3700'	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg		T. Montoya	T. Mancos	T. McCracken
T. San Andres	4365	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta		T. McKee	T. Base Greenhorn	T. Granite
T. Paddock		T. Ellenburger	T. Dakota	Τ.
T. Blinebry	6125'	T. Gr. Wash	T. Morrison	Τ.
T. Tubb	6540	T. Delaware Sand	T. Todilto	Τ
T. Drinkard	676.7	T. Bone Springs	T. Entrada	Τ
T. Abo	7200	Т.	T. Wingate	Τ
T. Wolfcamp		Т.	T. Chinle	Τ.
T. Penn		Т.	T. Permian	Τ.
T. Cisco (Bough C)		ग.	T. Penn "A"	Τ.

OIL OR GAS SANDS OR ZONES

No. 1, from	7400'	to 7616	No. 3, from	to ·
No. 2, from	7693	to 7930' PB	No. 4, from	to

IMPORTANT WATER SANDS

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

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	То	Thickness in Feet	Lithology	From	То	Thickness in Feet	Lithology
0 1356 2830 3700 4365 6125 6540 6780	1356 2830 3700 4365 6125 6540 6780 7203	1356 1474 870 665 1760 415 240 423	SALT, ANHYDRITE SAND, DOLOMITE SAND, DOLOMITE DOLOMITE DOLOMITE SAND, DOLOMITE DOLOMITE ANHYDRITE, DOLO, LIMES	1897 1897 1897 1897 1897 1897 1897 1897			

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•	New Mexico "E" State #2 Unit F
LOCATION	Sec 23, 195, 36E Lea County, New Mexico 30-025-3401
LEASE & WELL	(Give Unit, Section, Township and Range) $230/N + 2.75/W$
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 @ DE	РТН	DEGREES @ DE	PTH	DEGREES @ DEPTH		
1/2	189	1 1/2	3184	2 3/4	6133	5	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		<u> </u>	

Drilling Contractor

Nabors Drilling USA, Inc.

By

Brent Sanders, Engineering Manager

1 th August, 1997 day of Subscribed and sworn to before me this DONNA WESTBROOK Notary Public NOTARY PUBLIC STATE OF TEXAS My Commision Expires MIDLAND TEXAS Av Comm. Exp. 12-27-2000 County

ISTRICT II		1 88241-1980 sia, NM 88211	-0719	Energy, N OIL CC	Ainerals and		ources Depa	CLON		Instruc	Form C-10 oruary 10,199 ctions on bac District Offic 5 Copie
000 Rio Brazo ISTRICT IV	os Rd., Azte	c, NM 87410		Sar	ita Fe, Nei		37504-208	38			•
	, Santa Fe,	NM 87504-208								AMENDE	D REPOR
				and Address	ABLE AN	DAUTHO	RIZATIO	N TO TRANSP			
τεχάρο έχ		Ope ON & PRODUC					r 8001	UG	RID Num 02235		
		, NM 88240	W 1 484	S WELL HAS	S BEEN PLA BLOAD IF Y	<u>CED IN TH</u> 39 CO NOT	CONCUR	³ Re	ason for F	iling Code	
200 E. Bend			<u>,30</u>	ney this o	FFICE.				NW		
	Number					ol Name				⁶ Pool	
	025-34011 roperty Cod	e				NUMENT ABC					6970
F1	20361					CO 'E' STAT	E NCT-2		ł	vve	2 2
I. 10 Surfac	e Locatio	n									
JI or lot no.	Section	Township	Range	Lot.ldn	Feet From	The North	South Line	Feet From The	East/W	/est Line	County
F	23	19-S	36-E		2310	N	ORTH	2175	W	EST	LEA
¹¹ Bottor	n Hole Lo	cation							,		
UI or lot no.	Section	Township	Range	Lot.ldn	Feet From		/South Line	Feet From The	East/M	Vest Line	County
¹² Lse Code S	¹³ Produci	ng Method Cod P		nnection Date 8/20/97	¹⁵ C-129	Permit Numbe	er 16	C-129 Effective Dat	e	¹⁷ C-129	Expiration Da
II Oil and	d Gas Tra	insporters									
¹⁸ Transpor OGRID		¹⁹ T	ransporter Na and Addres		21	POD	²¹ O/G			DULSTR Lo	
022507		TEXACO TRA			N S	2819057	0		K-23-1	9S-36E	
			.O. BOX 606 LAND, TX 7						LEA CO	D., N.M.	
022345		TEXACO E 8				2819058	G		K-23-19	9S-36E	
	,	36TH FL	OOR, P.O. ON, TX 77	BOX 4325					LEA CC (11-021		
IV. Produc	ced Wate	r									
23	POD					4 POD ULST	R Location an	d Description			
2	819059			<u>,</u>		K-23-19	S-36E, LEA	CO., N.M.			
	ompletio			<u> </u>							
	Spud Date		²⁶ Ready Da 8/14/9			al Depth		28 PBTD			forations
	HOLE SIZE	l		SING & TUBIN		8000'	32 DEPTH S	7665 ET	33	SACKS CE)'-7616'
11	HOLE DIE		8 5/8			1340'			00 SACKS		
7 7/8			5 1/2			8000'		27	75 SACKS		
^{VI.} Well⊺											
³⁴ Date N 8/20	lew Oll D/97		livery Date 20-97	1	e of Test 9-15-97	³⁷ Len	gth of Test 24	³⁸ Tubing Pi	ressure	³⁹ Cas	ing Pressure
40 Choke		⁴¹ Oil	- Bbls.		er - Bbls.	43 (as - MCF	44 AO	F	⁴⁵ Tes	t Method
46		·	64		425		192			<u> </u>	P
l hereby cer Division hav	e been compl	ules and regulation led with and that t	he information	given above			OIL	CONSERVA Chris El	TION	DIVISIO	N
is true and c	complete to th	e best of my know	ledge and belie	f.		Approv	ved Bv [.]	Chris. 11	All	en	_
Signature	all	,	m								
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					Title:	DISTRI	CT 1 SUPER	VISO	R	
Printed Name		iula S. Ives			an			NFC 10 1	607		
Title En	gineering A	ssistant					al Date:		<b>JJI</b>		
Date 1	0/13/97		Teleph	one 397	7-0432						

 Date
 10/13/97
 Telephone
 397-0432

 7
 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

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(DO NOT USE THIS FORM FOI DIFFERENT (F 1. Type of Well: OIL WELL 2 2. Name of Operator 3. Address of Operator P.O. E 4. Well Location	P.O. Box 2 ₈₈₂₁₀ Santa Fe, New Mex	I Resources Department ION DIVISION 088 ico 87504-2088 ELLS PEN OR PLUG BACK TO IR PERMI	Form C-1 Revised WELL API NO. 30-025-34042 340 5. Indicate Type of Lease STATE STATE FE 6. State Oil / Gas Lease No. 7. Lease Name or Unit Agreement Name NEW MEXICO 'E' STATE NCT-2 8. Well No. 2
P.O. Box 1980, Hobbs, NM 88240 DISTRICT II P.O. Box Drawer DD, Artesia, NM DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 8 SUNDR' (DO NOT USE THIS FORM FOI DIFFERENT (F 1. Type of Well: OIL WELL 2. Name of Operator 3. Address of Operator 4. Well Location	P.O. Box 24 88210 Santa Fe, New Mex 7410 Y NOTICES AND REPORTS ON WI R PROPOSALS TO DRILL OR TO DEEL RESERVOIR. USE "APPLICATION FO ORM C-101) FOR SUCH PROPOSALS GAS WELL OTHER CO EXPLORATION & PRODUCTION IN	088 ico 87504-2088 ELLS PEN OR PLUG BACK TO IR PERMI	30-025-34042 340 5. Indicate Type of Lease STATE STATE FE 6. State Oil / Gas Lease No. 7. Lease Name or Unit Agreement Name NEW MEXICO 'E' STATE NCT-2 8. Well No.
P.O. Box Drawer DD, Artesia, NM <u>DISTRICT III</u> 1000 Rio Brazos Rd., Aztec, NM 8 SUNDR (DO NOT USE THIS FORM FOI DIFFERENT (F 1. Type of Well: OIL WELL 2. Name of Operator 3. Address of Operator 4. Well Location	Santa Fe, New Mex 7410 Y NOTICES AND REPORTS ON WA R PROPOSALS TO DRILL OR TO DEE RESERVOIR. USE "APPLICATION FO ORM C-101) FOR SUCH PROPOSALS. GAS WELL OTHER CO EXPLORATION & PRODUCTION IN	ICO 87504-2088 ELLS PEN OR PLUG BACK TO IR PERMI	<ul> <li>5. Indicate Type of Lease STATE FE</li> <li>6. State Oil / Gas Lease No.</li> <li>7. Lease Name or Unit Agreement Name NEW MEXICO 'E' STATE NCT-2</li> <li>8. Well No.</li> </ul>
1000 Rio Brazos Rd., Aztec, NM 8         SUNDR         (DO NOT USE THIS FORM FOIDIFFERENT         011         1. Type of Well:         012         Name of Operator         3. Address of Operator         4. Well Location	Y NOTICES AND REPORTS ON W R PROPOSALS TO DRILL OR TO DEE RESERVOIR. USE "APPLICATION FO ORM C-101) FOR SUCH PROPOSALS GAS WELL OTHER CO EXPLORATION & PRODUCTION IN	PEN OR PLUG BACK TO R PERMI	6. State Oil / Gas Lease No. 7. Lease Name or Unit Agreement Name NEW MEXICO 'E' STATE NCT-2 8. Well No.
(DO NOT USE THIS FORM FOI DIFFERENT (F 1. Type of Well: OIL WELL 2 2. Name of Operator 3. Address of Operator P.O. E 4. Well Location	R PROPOSALS TO DRILL OR TO DEE RESERVOIR. USE "APPLICATION FO ORM C-101) FOR SUCH PROPOSALS GAS WELL OTHER CO EXPLORATION & PRODUCTION IN	PEN OR PLUG BACK TO R PERMI	7. Lease Name or Unit Agreement Name NEW MEXICO 'E' STATE NCT-2 8. Well No.
2. Name of Operator 3. Address of Operator 4. Well Location		IC.	8. Well No. 2
3. Address of Operator     P.O. E       4. Well Location		IC.	8. Well No. 2
4. Well Location	Sox 2100, Denver Colorado 80201		
			9. Pool Name or Wildcat MONUMENT-ABO
Section 23		DRTH_Line and <u>2175</u> Range <u>36-E</u> NM	Feet From The_ <u>WEST</u> Line
	10. Elevation (Show whether DF, R		
11. Che	eck Appropriate Box to Indicate N	lature of Notice, Report	, or Other Data
NOTICE OF INTE	NTION TO:	SL	JBSEQUENT REPORT OF:
	PLUG AND ABANDON	REMEDIAL WORK	ALTERING CASING
	CHANGE PLANS	COMMENCE DRILLING OP	
PULL OR ALTER CASING		CASING TEST AND CEMEN	PROD CSG
12. Describe Proposed or Complet proposed work) SEE RULE 11		t details, and give pertinent d	ates, including estimated date of starting any
<ol> <li>RU SCHLUMBERGER. RAN</li> <li>RAN 161 JOINTS OF 5 1/2 I</li> <li>DOWELL CEMENTED: 210 600 SACKS 50/50 POZ CLA</li> </ol>	TO 8000'. TD @ 1730 HOURS.08-09-97 N OPEN HOLE LOGS -RAN PLATFORM NCH, 15.5#, WC-50 AND 24 JOINTS O 0 SACKS 35/65 POZ CLASS H W/ 6% ( SS H W/2% GEL, 5% SALT, 1/4# FLOO CEIVED 420 SACKS CIRCULATED TO HOURS 08-11-97.	A EXPRESS-NGR-TDD-CNL- DF 5 1/2 INCH, 15.5#, LS-65.L GEL, 5% SALT, 1/4# FLOCEI XELE (14.2 PPG, 1.35 CF/S).	.TC CASING SET @ 8000'. LE (12.4 PPG, 2.14 CF/S). F/B

SIGNATURE C. P. Back		ing. Assistant.	DATE	8/15/97	,	
TYPE OR PRINT NAME	Sheilla D. Reed-High	1	Telephone No.	(303	3)793-	4851
(This space for State Use) APPROVED CONDITIONS OF APPROVAL, IF ANY:	Chis Williams	DISTRICT 1 SUPERVISOR	DATE_	NUN	4	1997

and the second			
		Form C-1 Revised	
<b>OIL CONSERVA</b>	TION DIVISION		
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			·
Santa re, new Me	EXICO 6/504-2066		ΕΠ
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POSALS TO DRILL OR TO DE RVOIR. USE "APPLICATION I	EPEN OR PLUG BACK TO FOR PERMI	7. Lease Name or Unit Agreement Name NEW MEXICO 'E' STATE NCT-2	<u>.</u>
PLORATION & PRODUCTION	INC.	8. Well No. 2	
00, Denver Colorado 80201		9. Pool Name or Wildcat MONUMENT-ABO	
2310 Feet From The	NORTH Line and 2175	Feet From TheWESTLine	
Township 19-S	Range <u>36-E</u> N		
10. Elevation (Show whether DF	, RKB, RT,GR, etc.) 3727'		<b>1</b>
ppropriate Box to Indicate	Nature of Notice, Report	t, or Other Data	
ON TO:	SI	UBSEQUENT REPORT OF:	
PLUG AND ABANDON	REMEDIAL WORK	ALTERING CASING	
CHANGE PLANS		PERATION PLUG AND ABANDONMENT	
	CASING TEST AND CEME		
		COMPLETION	$\boxtimes$
erations (Clearly state all pertin	ent details, and give pertinent c	dates, including estimated date of starting any	- <u></u>
	Energy, Minerals and Natu OIL CONSERVA P.O. Box Santa Fe, New Me TICES AND REPORTS ON DPOSALS TO DRILL OR TO DE RVOIR. USE "APPLICATION I C-101) FOR SUCH PROPOSAL L OTHER PLORATION & PRODUCTION 00, Denver Colorado 80201 2310 Feet From The Township 19-S 10. Elevation (Show whether DF, ppropriate Box to Indicate ON TO: PLUG AND ABANDON CHANGE PLANS	TICES AND REPORTS ON WELLS         DPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO         RVOIR. USE "APPLICATION FOR PERMI         C-101) FOR SUCH PROPOSALS.         L       OTHER         PLORATION & PRODUCTION INC.         00, Denver Colorado 80201         2310       Feet From The NORTH Line and 2175         Township       19-S         Range       36-E         10. Elevation (Show whether DF, RKB, RT,GR, etc.)       3727'         ppropriate Box to Indicate Nature of Notice, Report       Si         ON TO:       Si         PLUG AND ABANDON       REMEDIAL WORK         CHANGE PLANS       OTHER:	Form C-1 Revised         OIL CONSERVATION DIVISION P.O. Bóx 2088 Santa Fe, New Mexico 87504-2088         WELL API NO. 30-025-24642         State Type of Lease STATE Image: State Oil / Gas Lease No.         TICES AND REPORTS ON WELLS PPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO RVOIR, USE "APPLICATION FOR PERMI C-101) FOR SUCH PROPOSALS.         L       OTHER         PLORATION & PRODUCTION INC.       8. Well No.         2       9. Pool Name or Wildcat MONUMENT-ABO         2310       Feet From The NORTH Line and 2175         Township       19-S         Range       36-E         NMPM         LEA COUNTY         10. Elevation (Show whether DF, RKB, RT,GR, etc.)         3727'       SUBSEQUENT REPORT OF:         PLUG AND ABANDON       REMEDIAL WORK         CHANGE PLANS       COMMENCE DRILLING OPERATION

- 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 try SIGNATURE C.P.	SR & 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 Cul gland TITLE		0 6 1997
		DeSoto/Nichols	10-94 ver 2.0

Submi: 3 copies to Appropriate District Office DISTRICT I	State of Energy, Minerals and Nation	New Mexico Iral Resources Department	Form C-103 Revised 1-1-89
P.O. Box 1980, Hobbs, NM 88240 DISTRICT II	OIL CONSERVA P.O. Bö	TION DIVISION	WELL API NO. 3D · 025 · 34011
P.O. Box Drawer DD, Artesia, NM	5. Indicate Type of Lease STATE STATE FEE		
DISTRICT III			6. State Oil / Gas Lease No.
1000 Rio Brazos Rd., Aztec, NM 8	37410		
	NOTICES AND REPORTS ON PROPOSALS TO DRILL OR TO DE		
DIFFERENT R	7. Lease Name or Unit Agreement Name		
(FO	RM C-101) FOR SUCH PROPOSAL	_S.)	NEW MEXICO 'E' STATE NCT-2
2. Name of Operator TEXACC	EXPLORATION & PRODUCTION	INC.	8. Well No. 2
3. Address of Operator 205 E. E	Bender, HOBBS, NM 88240		9. Pool Name or Wildcat Monument Abo
4. Well Location			
Unit LetterF	2310 Feet From The	NORTH Line and 2175	Feet From The WEST Line
Section 23	Township <u>19-S</u>	Range <u>36-E</u> N	MPM LEA COUNTY
	10. Elevation (Show whether I	DF, RKB, RT,GR, etc.) 3727'	
^{11.} Chec	k Appropriate Box to Indicate	e Nature of Notice, Repo	rt, or Other Data
NOTICE OF INTEN	TION TO:	S	UBSEQUENT REPORT OF:
	PLUG AND ABANDON		
	CHANGE PLANS		
PULL OR ALTER CASING		CASING TEST AND CEM	
OTHER:			🛛

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.

e.",

I hereby certify that the information at we is true and complete to the best of my knowledge and belief. SIGNATURETITLE_Engineering Assistant	DATE9/10/97
TYPE OR PRINT NAME U. Greg Maes	Telephone No. 397-0431
(This space for State Use) Geologist	DATE_ OCT 0 6 1997
CONDITIONS OF APPROVAL, IF ANY:	DeSoto Nichols 12.93 ver 1.0

		- a - a - a - a - a - a - a - a - a - a	- C2		-
Submit 3 copies to Appropriate District CNice			New Mexico tural Resources Department		Form C-103 Revised 1-1-89
<u>DISTRICT I</u> P.O. Box 1980, Hobbs, NM <u>DISTRICT II</u> P.O. Box Drawer DD, Artesia <u>DISTRICT III</u>		P.O. Bo Santa Fe, New M	ATION DIVISION px 2088 Mexico 87504-2088	5. Indicate Type of Lease	
1000 Rio Brazos Rd., Aztec,	NM 87410		••-	6. State Oil / Gas Lease No.	
(DO NOT USE THIS FOR DIFFEI	M FOR PRO RENT RESE (FORM	FICES AND REPORTS OF POSALS TO DRILL OR TO I RVOIR. USE "APPLICATION C-101) FOR SUCH PROPOS	DEEPEN OR PLUG BACK TO	7. Lease Name or Unit Agreeme NEW MEXICO 'E' STATE No	
1. Type of Well: OIL WELL	GAS WEL				
2. Name of Operator		PLORATION & PRODUCTIO		8. Well No. 2	
2 Addross of Operator		00, Denver Colorado 80201		9. Pool Name or Wildcat	
4. Well Location	F.O. DOX 21		·····	MONUMENT-	ABO
Unit Letter	<u>F :</u>	2310 Feet From The	NORTH Line and 2175	Feet From TheWEST	Line
Section 23		Township 19-S	Range <u>36-E</u> N	MPMLEA	COUNTY
	Sec.6	10. Elevation (Show whether D	DF, RKB, RT,GR, etc.) 3727'		
11.	Check A	ppropriate Box to Indica	te Nature of Notice, Repor	t, or Other Data	
NOTICE OF I	NTENTIC	ON TO:	S	UBSEQUENT REPOR	T OF:
PERFORM REMEDIAL WORK	< 🗖	PLUG AND ABANDON			
TEMPORARILY ABANDON		CHANGE PLANS		PERATION PLUG AND ABA	
PULL OR ALTER CASING			CASING TEST AND CEME		
OTHER:				SPUD, SURF CSG	X
<ol> <li>RAN 31 JOINTS OF 8</li> <li>DOWELL CEMENTED CLASS C W/ 2% CAO</li> <li>NU BOP &amp; TESTED T</li> <li>WOC TIME 16 HOURS</li> <li>1. VOLUME OF CEME</li> <li>2. APPROX. TEMPER</li> <li>3. EST. FORMATION</li> <li>4. EST. CEMENT STR</li> </ol>	PUD 11 INCI 5/8 INCH, 2 0 WITH 450 S CL2 (14.5 PP O 1200#. TE S FROM 5:00 ENT SLURR CATURE OF TEMPERAT RENGTH AT MENT IN PLA	4#, WC-50, STC CASING SE SACKS CLASS C W/ 4% GEL G, 1.32 CF/S). PLUG DOWN STED CASING TO 1200# FC	F. T: 90 F. J33 PSI.	ERS. F/S). F/B 150 SACKS TED 138 SACKS. 0 PM.07-22-97	
TYPE OR PRINT NAME	Bachan	to the best of my knowledge and belief. TITLE_ heilla D. Reed-High	Eng. Assistant.	DATE Telephone No.	<b>8-4-97</b> (303)793-4851
(This space for State Use)		11-11	DISTRICT 1 SUPE	RVISOR	AUG 2 5 1997
CONDITIONS OF APPROVAL	., IF ANY:	Chris William		DATE	

DeSoto/Nichots	10-94 v	er 2.0

AUG-06-97 WED 02:17 PM

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FAX NO.

P. 02

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	Requested By:						
HNM Surface							
	······································						
	. 84 .						
uid Vater	Cement						
) Source	Source						
Loc							
Loc							
	·····						
PV or n' Ty or k'	RHEOLOGICAL I.O.D.						
	FREE WATER						
FLUID LOSS	FREE WAIGR						
	FREE WAIGA						
*F, psi	•F						
	1						
*F, psi	•F						
	uid Water uid Source Loc Loc						

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Remarks: Previous Data

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No. 4

LDSzbiz Chemist:

No. 3

No. 3

No. 4

No. 4

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					e of New Mexico d Natural Resources Department				Form C-101 Revised February 10,1994			
P.O. Box Drawer DD, Artesia, NM 88211-0719 OIL CONSER					<b>RVATION DIVISION</b>				Instructions on back Submit to Appropriate District Office			
1000 Bio Brazos Bd. Aztac. NM 87410						). Box 2088					ease - 6 Copies	
DISTRICT IV Santa Fe, New					Fe, New M	exic	0 87504-208	8	_		ease - 5 Copies	
P.O. Box 208		NM 87504-2086 LICATION F		TODRIL	L, RE-ENTI	ER,	DEEPEN, PL	UGBACK, OI			ED REPORT	
¹ Operator Name and Address TEXACO EXPLORATION & PRODUCTION INC.						² OGRID Number 022351						
		<b>Texas</b> 79702							30.	3 API NO		
4	Property Code 20361	•		NE	⁵ Property Name NEW MEXICO 'E' STATE NCT-2					⁶ Well No. 2		
				7	Surface Lo	cati	on					
Ui or lot no.	Section	Township	Range Lo	t.idn Fo	eet From The	No	orth/South Line	Feet From The	East/We	est Line	County	
F	23	<u>19-S</u>	36-E		2310		NORTH	2175	WE	ST LEA		
Ul or lot no.	Section		Proposed		ole Location	-	Different From	n Surface Feet From The	East/We	etline	County	
	360001	rownsnip	Kange Lo	cian (*	set i vin The				Lust		Codiny	
		⁹ Proposed i MONUMEN						¹⁰ Proposed P	ool 2	_		
					Rotary or C.T. ROTARY	C.T. ¹⁴ Lease Type Code ¹⁶ S			¹⁶ Gr	⁶ Ground Level Elevation 3727'		
	tiple No	17 p	roposed Depth 8000'			n ¹⁹ Contractor NABORS			²⁰ Spud Date 6/15/97			
l		l	21 F	Proposed (		Cer	nent Progran					
SIZE O	F HOLE	SIZE OF C		WEIGHT PER			TTING DEPTH		OF CEMENT		EST. TOP	
11		8 5/8	24	*	1:	1330' 600 SACKS		S SURFACE		ACE		
7 7/8		5 1/2	15.	15.5#		8000'		1400 SAC	1400 SACKS		1000'	
			_									
Describe the CEMENTIN SURFACE PPG, 1.34 (	blowout preve G PROGRA CASING - 45 CF/S, 6.3 GV	ntion program, if any M: 50 SACKS CLAS V/S).	v. Use additional sh SS C W/ 4% GE	EL, 2% CAC	v. L2 (13.5 PPG,	1.74	CF/S, 9.11 GW	d proposed new prod /S). F/B 150 SAC 12.4 PPG, 2.14 C	KS CLASS		·	
		/ 2% GEL, 5% S					3 GW/S) Permit Ex	cpires 1 Ye Unless Drill	ar From	Appro		
Division he	ve been complie	les and regulations o Id with and that the I best of my knowled	information given a				OIL C	ONSERVA	TION D	IVISIO	N	
Signature C. Wade Arrivan				A	Approved By: Mis Williams							
Printed Nam	e C.	Wade Howard	·		т	Title: DISTRICT 1 SUPERVISOR						
Title Er	ıg. Assistant				A	ppro	val Date:	C. C. 1007	Expiration (			
Date 6/4/97 Telephone 688-4606 Conditions of Approval:												

DISTRICT #1 P. O. Box 1980, Hobbs, NM 88240

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

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

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

#### State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Instructions on back

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

Submit to Appropriate District Office

State Lease-4 copies Fee Lease-3 copies

AMENDED REPORT

#### API Number ³ Pool Name ²Pool Code 3D-025-Property Code 34011 46970 Monument ABO Property Name Well Number New Mexico "E" State NCT-2 20361 2 OGRID No. Operator Name Elevation 22351 3727' TEXACO EXPLORATION & PRODUCTION, INC. ¹⁰ Surface Location UL or lot no. Lot Idn East/West line Section ownship Range Feet from the North/South line Feet from the County 36-E 23 F 19-S 2310' North 2175' West Lea 11 Bottom Hole Location If Different From Surface UL or lot no. Section Township Ronne Lot idn Feet from the North/South line Feet from the East/West line 7County ¹Dedicated Acres 13 Joint or Infill Consolidation Code 15Order No. 40 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. **D**. θ 'OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature ۶. ò Printed Name 231 C. Wade Howard Position 40 Ac Engineer's Assistant Rhombus Company 122 Texaco Expl. & Prod. Inc. 61>. Date 2 2175' June 4, 1997 "SURVEYOR CERTIFICATION 23 Rhombus 130 [ hereby certify that the well location shown 80 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 bellef. Date Surveyed May 28, 1997 Signature & Seal of Professional Surveyor W Weir 2 W Weir 5 O W Weir 6 Certifié ate No. G 725A John S. Piper 330 660 1980 2000 990 1320 1650 2310 2640 1500 1000 500 ò Sheet O = Staked Location • = Producing Well = Injection Well 🛷 = Water Supply Well 🔶 = Pluaaed & Abandon Well

## DRILLING CONTROL CONDITION II-B 3000 WP

FOR AIR DRILLING OR WHERE NITROGEN OR AIR BLOWS ARE EXPECTED





H2S TRIM REQUIRED

NO

YES

#### DRILLING CONTROL

#### MATERIAL LIST - CONDITION II - B

Texaco Wellhead

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- 3000\$ W.P. drilling spool with a 2" minimum flanged outlet for kill line and 3" minimum flanged outlet for choke line.
- C 30008 W.P. Dual ram type preventer, hydraulic operated with 1" steel, 30008 W.P. control lines (where substructure height is adequate, 2 - 30008 W.P. single ram type preventers may be utilized).
- D Rotating Head with fill up outlet and extended Blooie Line.
- 1,3,4, 2" minimum 3000\$ W.P. flanged full opening steel gate 7,8, valve, or Halliburton Lo Torc Plug valve.
  - 2" minimum 3000\$ W.P. back pressure valve.
- 5,6,9 J" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.
- 12 J" minimum schedule 80, Grade "8", 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).
  - 2" minimum 3000# W.P. flanged or threaded full opening steel gate valve, or Halliburton Lo Torc Plug valve.

				I	TEXACO, INC.	
SCALE.	DATE	EST NO.	DRG. NO.			
DRAWN BY				1		•
CHECKED BY					EXHIBIT C	
APPROVED BY						

LETIONS 30-T-0031 01/30/98 SEC 23 TWP 195 30-025-34011-0000 36E 19S RGE COMPLETIONS PAGE. * 2310FNL 2175FWL SEC NMEX LEA * 2310F TEXACO EXPL & PROD D DO WELL CLASS INIT OPERATOR **** 2 NEW MEXICO 'E' STATE NCT-2 WELL NO. 3727GR MONUMENT FIELD/POOL/AREA OPER ELEV *** API 30-025-34011-0000 LEASE NO. 07/19/1997 09/15/1997 ROTARY VERT OIL 8000 ABO NABORS DRLG USA 348 PROJ. DEPTH WWW PRC. FORM WWW CONTRACTOR FM/TD ABO DTD 8000 PB 7665 LOCATION DESCRIPTION 2 MI SW MONUMENT, NM CASING/LINER DATA 8 5/8 3 1340 W/ 600 SACKS 5 1/2 3 8000 W/ 2775 SACKS CSG ĊŜĠ TUBING DATA TBG 2 7/8 AT 7620 INITIAL POTENTIAL 192 MCFD 425BW 24HRS IPP 164BOPD PERF 7400- 7616 7400- 7616 W/ 2/FT 7400- 7616 ABO PERF 24000GALS ACFR 20% GTY 42.0 GCR 1170 TYPE FORMATION LTH TOP DEPTH/SUB BSE DEPTH/SUB LOG 2371 SALT 1356 27 -638 3700 LOG QUEEN 4365 6125 6540 SN ANDRS BLINESRY LOG -2398 -2813 LOG LOG TUBB 6780 7203 LÖĞ DRINKARD -3053 LÖĞ -3476 ABO CONTINUED_IC# 300257037597 COPYRIGHT 1997 **Petroleum Information/** PI/D-WRS-GET **Dwights LLC** 

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 COMPLETIONS
 SEC
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 19S
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 30-T-0031
 01/30/98
 30-025-34011-0000
 PAGE
 2 TEXACO EXPL & PROD DO D NEW MEXICO 'E' STATE NCT-2 TYPE FORMATION LTH TOP DEPTH/SUB BSE DEPTH/SUB SUBSEA MEASUREMENTS FROM GR PRODUCTION TEST DATA ABO PERF PERF 7693- 7930 BRPG @ 7665 7693- 7930 7693- 7930 LOGS AND SURVEYS /INTERVAL, TYPE/ LOGS LOGS 0- 8000 CNL 0- 8000 NGT GR CCL DRILLING PROGRESS DETAILS TEXACO EXPL & PROD BOX 3109 MIDLAND, TX 79702 915-688-4100 LOC/1997/ DRLG AHEAD 8000 TD, WOCT 8000 TD, PB 7665, WOSP 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 06/06 07/22 08/29 11/07 01/23

. (s. 2*