

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-101

Revised February 10, 1994

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 30-025-33301
⁴ Property Code 011045	⁵ Property Name NEW MEXICO L STATE	⁶ Well No. 18

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
A	1	18S	34E		810	NORTH	650	EAST	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 VACUUM WOLFCAMP					¹⁰ Proposed Pool 2				

¹¹ Work Type Code P	¹² WellType Code O	¹³ Rotary or C.T. ROTARY	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3982' GR
¹⁶ Multiple No	¹⁷ Proposed Depth 11,500'	¹⁸ Formation WOLFCAMP	¹⁹ Contractor	²⁰ Spud Date 11/20/98

²¹ Proposed Casing and Cement Program

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
14 3/4"	11 3/4"	42#	1520'	CL-C 800 SX, CIR 94	
11"	8 5/8"	32#	5300'	CL-H 1750 SX, CIR 183	
7 7/8"	5 1/2"	17#	11,500'	CL-H 1850 SX CIR 292	

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 RECOMPLETE THE SUBJECT WELL IN THE VACUUM WOLFCAMP POOL. THE WELL WAS ORIGINALLY COMPLETED AS AN ATOKA GAS WELL BUT HAS WATERED OUT. THIS WELL IS ON THE SOUTHEASTERN EDGE OF THE VACUUM WOLFCAMP POOL. RECENTLY, MARATHON COMPLETED THEIR WAIN A/C 2 #26 WELL IN THE WOLFCAMP WITH AN IP OF 72 BOPD, 163 BWPD, & 56 MCFPD FLOWING. THIS WELL LIES EVEN FARTHER SOUTHEAST OF THE CURRENT WOLFCAMP COMPLETIONS THAN THE L #18. THIS INDICATES THAT WOLFCAMP PRODUCTION WILL EXTEND THROUGH THE L #18.

THE INTENDED PROCEDURE IS ATTACHED.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway
Plugback

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>		Approved By: ORIGINAL SIGNED BY CHRIS WILLIAMS DISTRICT I SUPERVISOR	
Printed Name J. Denise Leake		Title:	
Title Engineering Assistant		Approval Date: NOV 17 1998 Expiration Date:	
Date 11/17/98		Conditions of Approval: Attached <input type="checkbox"/>	
Telephone 397-0405			

NEW MEXICO "L" STATE #18
VACUUM WOLFCAMP
WORKOVER PROCEDURE

1. MIRU pulling unit. TOH w/ rods and pump. Install 2-7/8" BOP. TOH w/ tubing. Scanalog tubing out of hole and replace as necessary. If scale is present, make bit run w/ 4-3/4" bit to 11150'.
2. MIRU Schlumberger. TIH w/ CIBP and set @ 11050'. Place 35' cement cap on CIBP w/ dump bailer.
3. TIH w/ 4" casing gun w/ 90° spiral phasing and 2 jspf. Perforate the Wolfcamp at the following intervals:

10,196'-208' (12', 24 holes)

9,984'-92' (08', 16 holes)

9,966'-72' (06', 12 holes)

9,813'-18' (05', 10 holes)

9,759'-66' (07', 14 holes)

9,710'-16' (06', 12 holes)

Totals: 498' Gross, 44' Net, 88 holes

RD Schlumberger.

4. TIH w/ 6k treating packer and RPB on 2-7/8" tubing. Set RBP @ 10,250'. Set packer @ 9900' and load backside. Test packer to 500# surface pressure. Maintain 500# on backside throughout the acid job.
5. MIRU Dowell. Acidize Lower Wolfcamp perms w/ 3300 gallons 15% NEFE HCL in three stages w/ 500# rock salt blocks in between each stage. Pump job at 5-6 BPM w/ maximum pressure not to exceed 5000# at surface. RD DS.
6. Swab back load and check for oil shows.
7. Release packer and run to top of RBP. Release RBP and pull up to 9900'. Set RBP. TOH w/ tubing and packer.
8. MIRU Schlumberger. TIH w/ 4" casing gun w/ 2 jspf and 90° spiral phasing. Perforate the Upper Wolfcamp at the following intervals:

9,496'-9,508' (12', 24 holes)

9,482'-9,490' (08', 16 holes)

9,410'-9,426' (16', 32 holes)

9,374'-9,396' (22', 44 holes)

9,336'-9,350' (14', 28 holes)

9,318'-9,328' (10', 20 holes)

9,304'-9,314' (10', 20 holes)

Totals: 204' Gross, 92' Net, 184 holes
RD Schlumberger.

9. TIH w/ 6k treating packer on 2-7/8" tubing. Set packer @ 9250'. Load backside and test packer to 500#. Maintain 500# on backside throughout the acid job.
10. MIRU Dowell. Acidize Wolfcamp perms w/ 6900 gallons 15% NEFE HCL in six stages w/ 500# rock salt blocks in between each stage. Pump job @ 5-6 BPM w/ maximum pressure not to exceed 5000# at surface. Flush acid fresh water. RD DS.
11. Swab back load and check for shows. If both zones are productive, release packer and retrieve RBP. TOH w/ tubing.
12. TIH w/ tubing. TIH w/ rods and pump. Place well on test.

TEXACO E&P INC.
NEW MEXICO L ST. NO. 18
API# 30-025-33301

0.0 - 1520.0' CEMENT

0.0 - 1520.0' 11 3/4in OD 42.00#/ft SURF CSG

0.0 - 5300.0' CEMENT

0.0 - 11500.0' CEMENT

0.0 - 5300.0' 8 5/8in OD 32.00#/ft INT CSG

810 FNL & 650 FEL
SEC 1, TWIN 18S, RANGE 34E
ELEVATION: 4000' KB
COMPLETION DATE: 6-2-96
COMPLETION INTERVAL: 11092 - 11110 (ATOKA)

0.0 - 11500.0' 5 1/2in OD 17.00#/ft PROD CSG

0.0 - 1520.0' 14.75in OD HOLE

1520.0 - 5300.0' 11in OD HOLE

0.0 - 10992.0' 2.875in OD 6.50#/ft TBC

11092.0 - 11110.0' PERFS

5300.0 - 11500.0' 7.875in OD HOLE

KB ELEV: 4000'

PBTD: 11327'

ID: 11500'

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Revised February 10, 1994

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-33301	² Pool Code 62340	³ Pool Name VACUUM WOLFCAMP
⁴ Property Code 011045	⁵ Property Name NEW MEXICO L STATE	⁶ Well No. 18
⁷ OGRID Number 022351	⁸ Operator Name TEXACO EXPLORATION & PRODUCTION INC.	⁹ Elevation 3982' GR

¹⁰ Surface Location

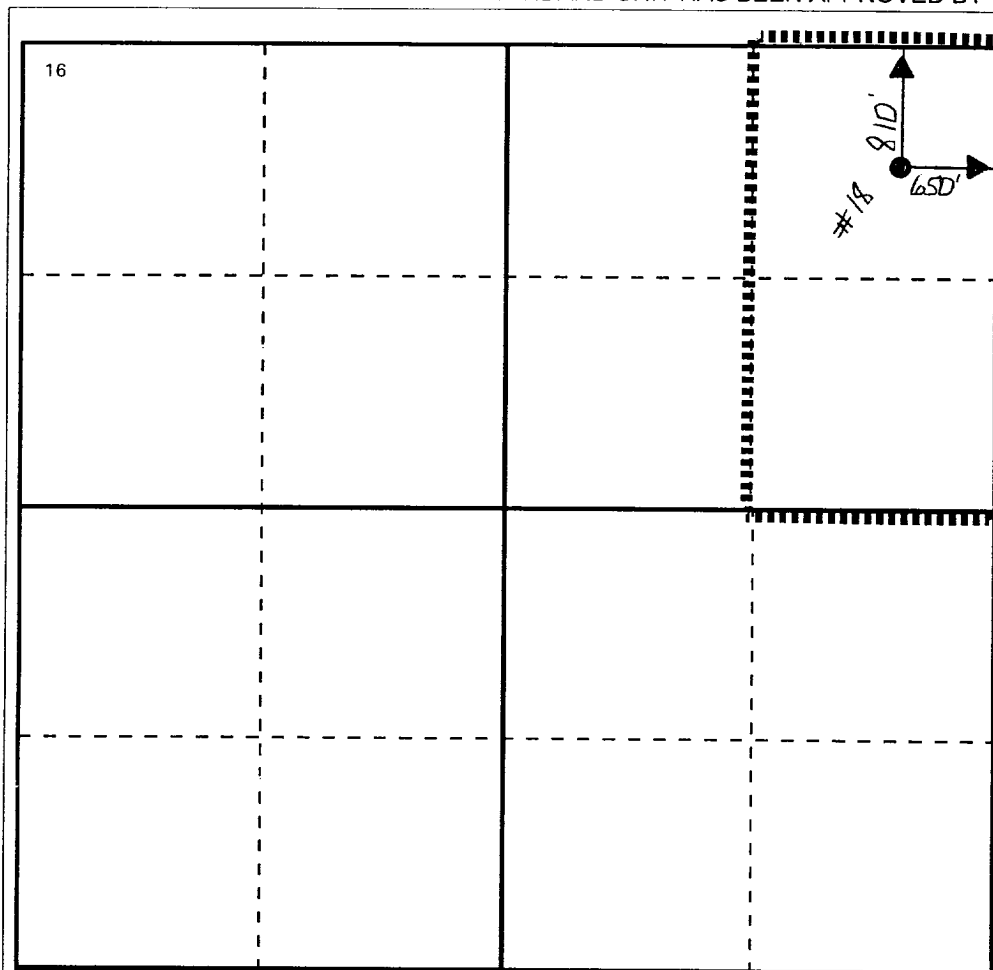
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¹¹ Bottom Hole Location If Different From Surface

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
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¹² Dedicated Acres 80	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

11/17/98

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.

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0