

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

811 South First St., Artesia, NM 88210

DISTRICT III

1000 Rio Bratos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429Form C-107-A
New 3-12-96

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Operator Texaco Exploration & Production Inc. 205 E. Bender; Hobbs, NM 88240

New Mexico "O" State NCT-1 # 34 P-36-17S-34E

Lea

Lease
OGRID NO. 022351Property Code 11048API NO. 30 025 32271Spacing Unit Lease Types: (check 1 or more)
Federal ☐ , State ☒ , (and/or) Fee ☐

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zones	Lower Zone
1. Pool Name and Pool Code	Vacuum Blinebry		Vacuum Drinkard
2. Top and Bottom of Pay Section (Perforations)	6482'-7156'		7551'-7632'
3. Type of production (Oil or Gas)	Oil		Oil
4. Method of Production (Flowing or Artificial Lift)	Artificial Lift		Artificial Lift
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a. (Current) 2409 psi b. (Original) NA	a. b.	a. 1490 psi b. NA
6. Oil Gravity ($^{\circ}$ API) or Gas BTU Content	36.1 $^{\circ}$		36.7 $^{\circ}$
7. Producing or Shut-In?	To be completed		Producing
Production Marginal? (yes or no)	Yes		Yes
* If Shut-In, give date and oil/gas/water rates of last production Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Date: New Zone Rates: (see attached)	Date: Rates:	Date: Rates:
* If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: Rates: NA	Date: Rates:	Date: 5/96 Rates: 31 BO, 0 BW, 209 HCF 24 Hours
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 45 % Gas: 11 %	Oil: % Gas: %	Oil: 55 % Gas: 89 %

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones?

If not, have all working, overriding, and royalty interests been notified by certified mail?

☒ Yes ☐ No

Have all offset operators been given written notice of the proposed downhole commingling?

☒ Yes ☐ No11. Will cross-flow occur? ☒ Yes ☐ NoIf yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. ☒ Yes ☐ No (If No, attach explanation)12. Are all produced fluids from all commingled zones compatible with each other? ☒ Yes ☐ No13. Will the value of production be decreased by commingling? ☐ Yes ☒ No

(If Yes, attach explanation)

14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. ☐ Yes ☐ No NA

15. NMOCD Reference Cases for Rule 303(C) Exceptions:

ORDER NO(S). NONE

16. ATTACHMENTS:

- * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- * Production curve for each zone for at least one year. (If not available, attach explanation.)
- * For zones with no production history, estimated production rates and supporting data.
- * Data to support allocation method or formula.
- * Notification list of all offset operators.
- * Notification list of working, overriding, and royalty interests for uncommon interest cases.
- * Any additional statements, data, or documents required to support commingling.

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

SIGNATURE

TITLE PROD. ENG

DATE

6/25/96TYPE OR PRINT NAME Darrell J. CarrigerTELEPHONE NO. (505) 397-0426

Attachments

1. C-102 plats: A C-102 for each zone is attached
2. Production curve for each zone: A production curve for the Vacuum Drinkard is attached. However, because the Vacuum Blinebry is a new zone, the production had to be estimated from offset performance. Attached is a production curve from two Blinebry wells located in Unit letter K & L of the same section, township, and range, of the subject well. The two wells are the State "I" and the State "VB".
3. Estimated production rates: The plot described in item #2 above shows that production rates will probably begin around 40 BOPD for one month and then quickly fall to a steadier 25 BOPD. Allocation percentages for the subject well were determined using the 25 BOPD.
4. Data to support allocation method: The production plot described in item #2 above was used to estimate well performance (25 BOPD, 25 MCFPD) and determine an allocation split as follows:

	BOPD	MCFPD
Vacuum Drinkard	31	209
Vacuum Blinebry	<u>25</u>	<u>25</u>

TOTAL: 56 BOPD & 234 MCFPD

Therefore:

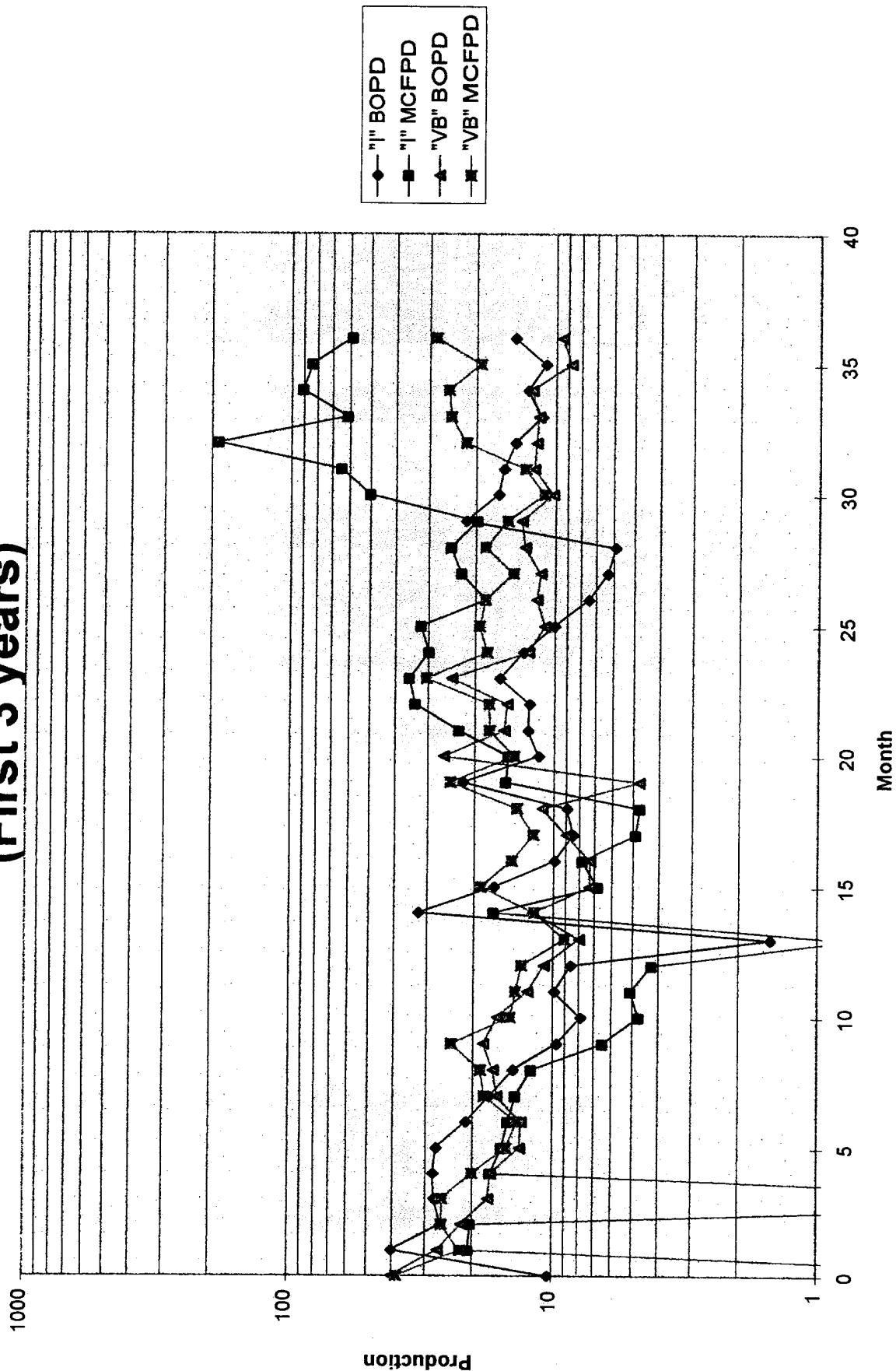
Drinkard Oil - 55%	Blinebry Oil - 45%
Drinkard Gas - 89%	Blinebry Gas - 11%

5. Attached is a list of all offset operators and their addresses
6. Working, overriding & royalty interests are all common for the Vacuum Drinkard and the Vacuum Blinebry zones (same school).
7. Additional information: Bottomhole pressures were acquired from the following:

Vacuum Drinkard: New Mexico "O" State #38 (new well): Pressure tested zone while drilling (offset Drinkard)

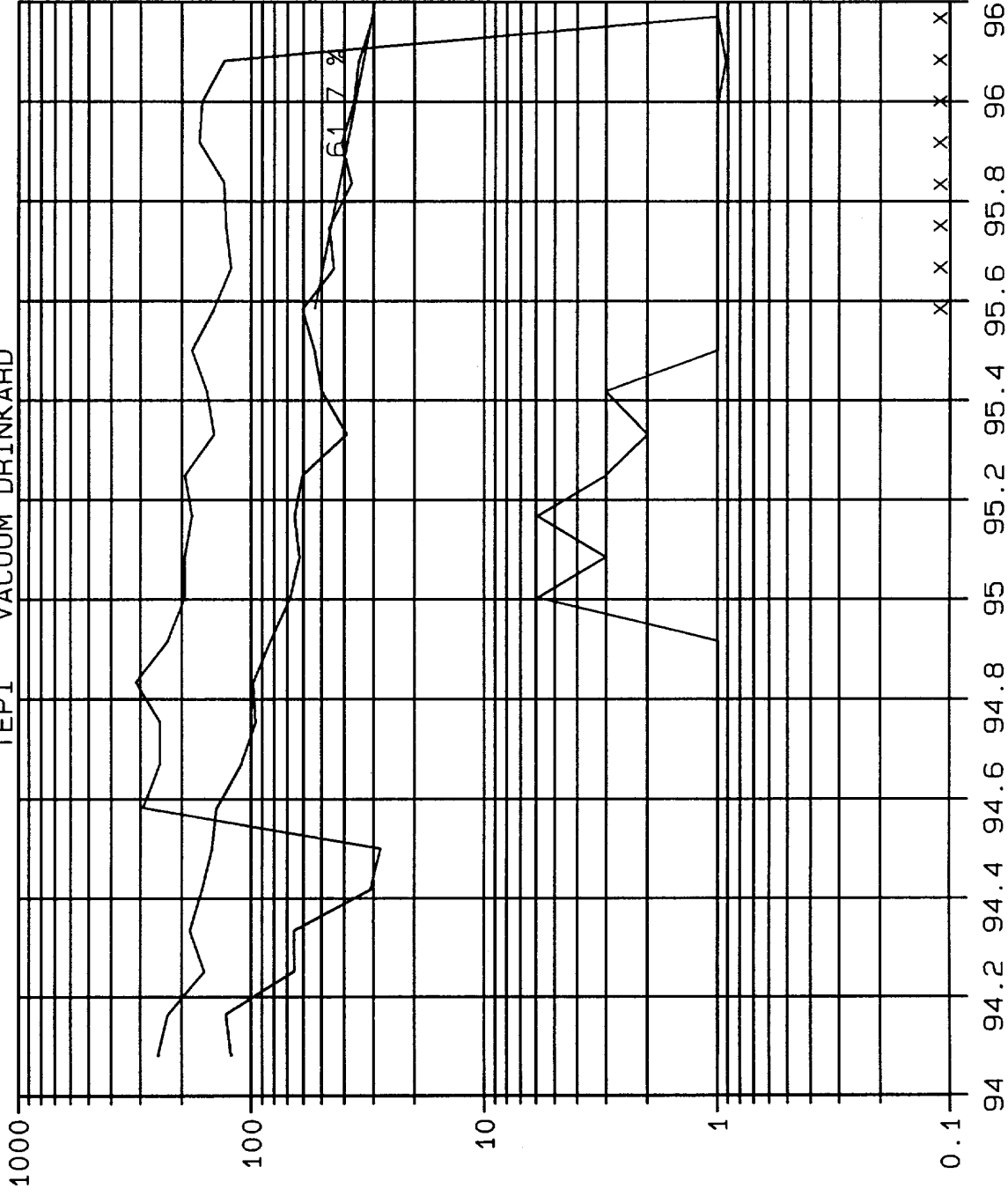
Vacuum Blinebry: Marathon's Warn State Acc-2 #25 (offset Blinebry)

State "I" State "VB" Normalized Daily Production (First 3 years)



NEW MEXICO -0- STATE NCT-1 34 VACUUM DRINKARD

TEPI VACUUM DRINKARD



LEASE DATA
 LSE 01104
 FLD 62110
 OPER TEPI
 ZONE 62110
 --
 COUNTY 25
 STATE 30
 STATUS 2-
 CO 72 MBO
 CG 122 MMC
 CW 1 MBW
 BOPD 30
 BWPD 0
 MCFPD 0
 WELLS 1
 CI 0 MBWI
 BWIPD 0

BOPD
 BWPD
 MCFPD

YEARS

Offset Operators

Marathon
PO Box 552
Midland, TX 79702

Phillips Petroleum
4001 Penbrook
Odessa, TX 79763

Mobil Oil Co
PO Box 633
Midland, TX 79702

Shell
PO Box 576
Houston, TX 77001

Amerada Hess
PO Box 2040
Houston, TX 77252



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

State of New Mexico
Bureau of Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

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

NOTICE OF LOCATION

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

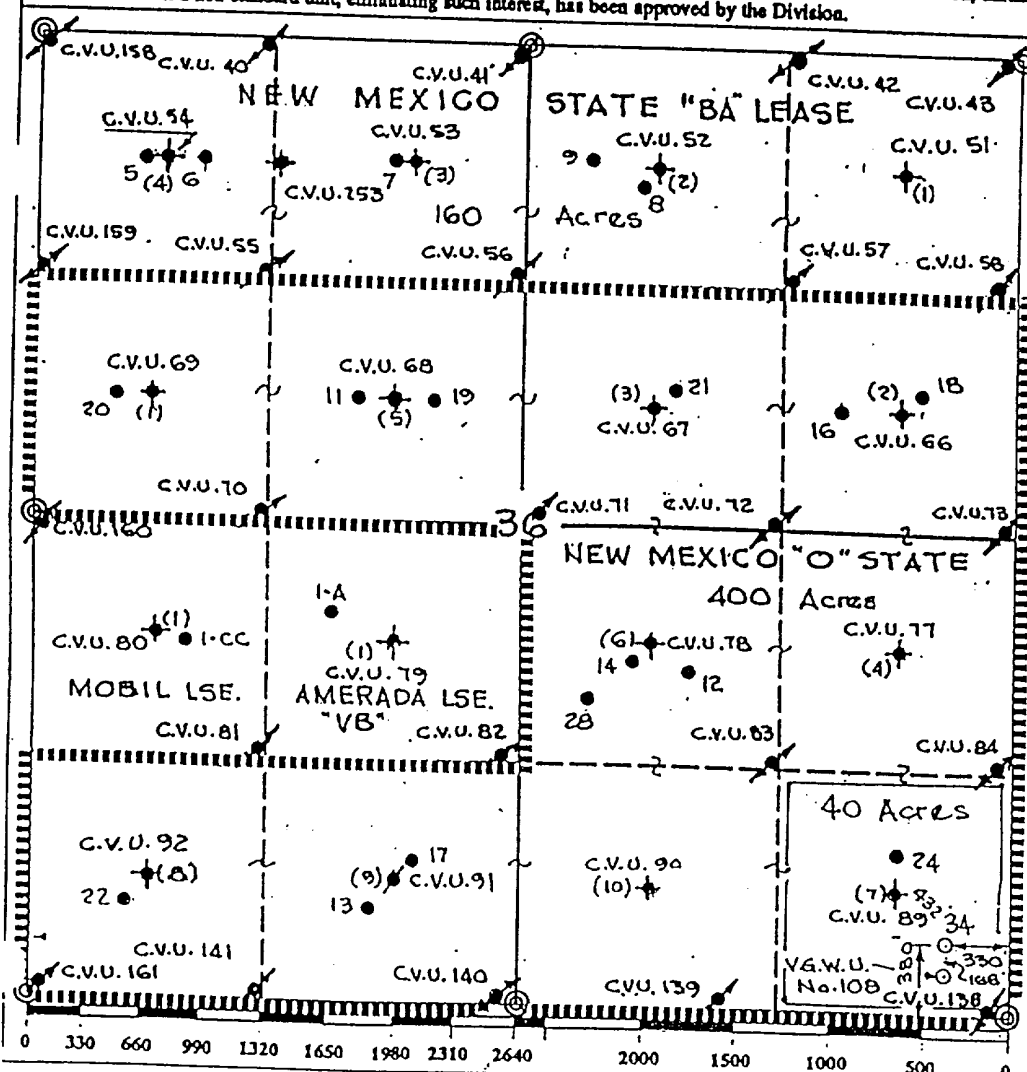
DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPLORATION AND PRODUCTION Inc.			Lease New Mexico "O" State NCT-1		Well No. 34
Unit Letter P	Section 36	Township 17 South	Range 34 East	County NMPM	Lea
Actual Footage Location of Well: 380 feet from the South line and 330 feet from the East line					
Ground level Elev. 3986		Producing Formation Drinkard		Pool Vacuum Drinkard	
Dedicated Acreage: 40 Acres					
1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.					
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).					
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.? <input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes" type of consolidation _____					
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)					
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.					



OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Signature <i>Royce Mariott</i>	Printed Name Royce Mariott
Position Division Surveyor	
Company Texaco Expl. & Prod. Inc.	
Date October 13, 1993	
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 October 11, 1993	
Signature & Seal of Professional Surveyor <i>John S. Peyer</i>	
Certificate No. 1055	
Lea Co. FB. 9, Pg. 55	



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-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 30-025-32271	² Pool Code 61850	³ Pool Name VACUUM BLINEBRY
⁴ Property Code 11048	⁵ Property Name NEW MEXICO O STATE NCT-1	
⁷ OGRID Number 022351	⁸ Operator Name TEXACO EXPLORATION & PRODUCTION INC.	⁶ Well No. 34 ⁹ Elevation GR-3986', KB-4000'

¹⁰ Surface Location

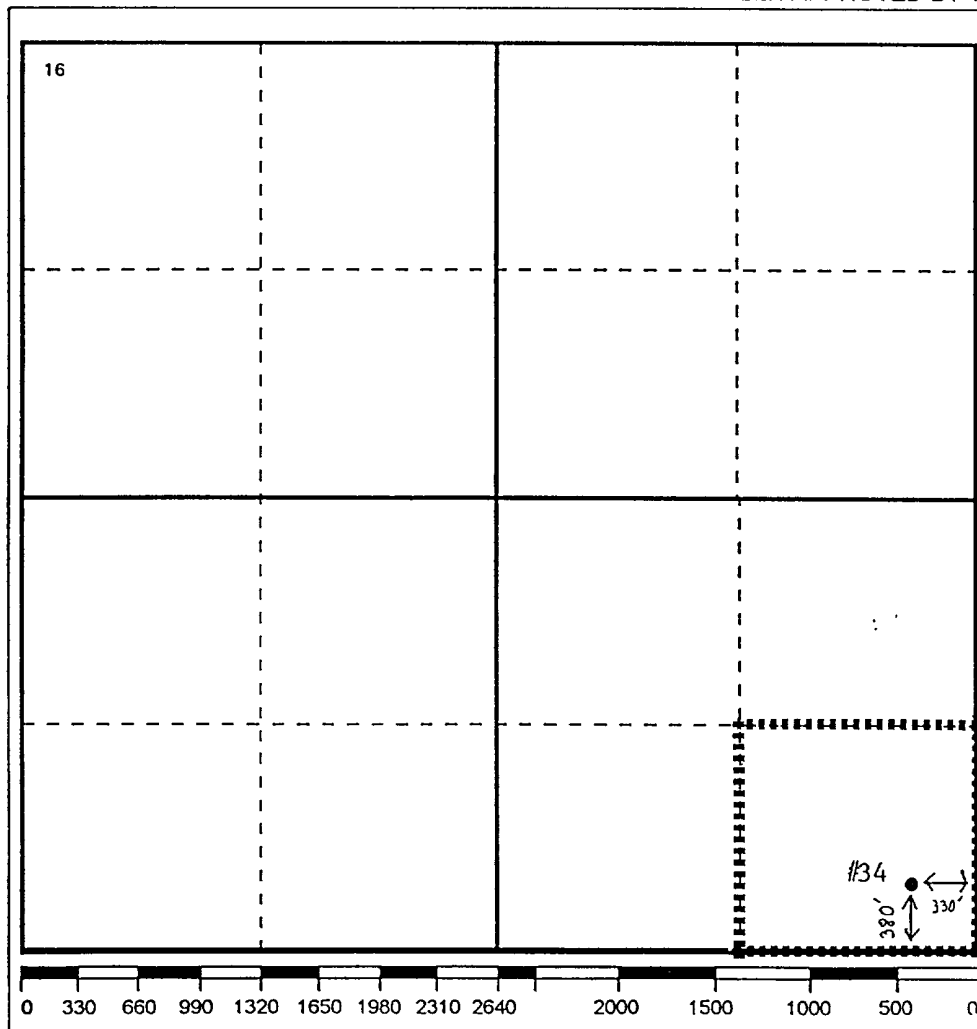
UI or lot no. P	Section 36	Township 17S	Range 34E	Lot.Idn	Feet From The 380	North/South Line SOUTH	Feet From The 330	East/West Line EAST	County LEA
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¹¹ Bottom Hole Location If Different From Surface

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

Monte C. Duncan

Position

Engr Asst

Date

6/25/96

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.

