

DATE IN 5/23/97	SUSPENSE 6/12/97	ENGINEER BS/DC	LOGGED M	TYPE DHC
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET

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

Application Acronyms:

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

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

[A] Location - Spacing Unit - Directional Drilling
 NSL NSP DD SD

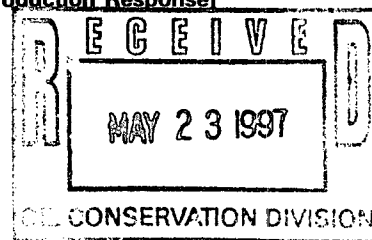
Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement

☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

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

WFX PMX SWD IPI EOR PPR



[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

[A] Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner *Exhibit XII*

[C] Application is One Which Requires Published Legal Notice

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

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

[F] Waivers are Attached

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

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

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

RACHEL HINDI
Print or Type Name

Date

Rachel Hindi
Signature

TEAKO SENIOR EGR.
Title

5/22/97

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

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

WELL API NO.	3004523978
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil / Gas Lease No.	E-5167
7. Lease Name or Unit Agreement Name	WAYNE MOORE COM
8. Well No.	1A
9. Pool Name or Wildcat	BLANCO PICTURED CLIFFS (GAS)
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	

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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>
2. Name of Operator	FOUR STAR OIL AND GAS COMPANY
3. Address of Operator	3300 N. Butler Ave., Suite 100 Farmington NM 87401
4. Well Location	Unit Letter <u>P</u> : <u>790</u> Feet From The <u>SOUTH</u> Line and <u>790</u> Feet From The <u>EAST</u> Line Section <u>16</u> Township <u>T31N</u> Range <u>R09W</u> NMPM <u>SAN JUAN</u> COUNTY
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	

11.

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER: <input checked="" type="checkbox"/> DOWNHOLE COMMINGLE

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPERATION <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER: <input 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.

FOUR STAR OIL & GAS COMPANY REQUESTS APPROVAL TO DOWNHOLE COMMINGLE THE BLANCO PICTURED CLIFFS WITH THE BLANCO MESA VERDE IN THE SUBJECT WELL. PRODUCTION WILL BE ENHANCED IN BOTH ZONES DUE TO MORE EFFECTIVE PLUNGER LIFT OPERATIONS. ALL WORKING, OVERRIDING, AND ROYALTY INTERESTS ARE IDENTICAL IN BOTH ZONES.

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

SIGNATURE Ted A. Tipton TITLE Operating Unit Manager

DATE 5/22/97

TYPE OR PRINT NAME Ted A. Tipton

Telephone No. 325-4397

(This space for State Use)

APPROVED

BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Orig. NMOCD - Santa Fe,
cc: NMOCD - Aztec, SLO, Well File

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

DISTRICT II
811 South First St., Artesia, NM 88210-2835

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107-A
New 3-12-96

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

TEXACO EXPLORATION & PRODUCTION, INC.		3300 N. Butler Ave., Suite 100		Farmington	NM	87401
Operator	WAYNE MOORE COM	1A	P	Address 16	T31N	R09W
Lease		Well No.		Unit Ltr. - Sec - Twp - Rge		County
OGRID No.	022364	Property Code		API No.	3004523978	Federal <input type="checkbox"/> State <input checked="" type="checkbox"/> (and/or) Fee <input type="checkbox"/>

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Blanco Pictured Cliffs 72359		Blanco Mesaverde 72319
2. Top and Bottom of Pay Section (Perforations)	3174' - 3300'		4990' - 5738'
3. Type of Production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flow/Plunger Lift		Flow/Plunger Lift
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas - Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a. (Current) 300 psig b. (Original) 609 psig	a. b.	a. 328 psig b. 692 psig
6. Oil Gravity (*API) or Gas BTU Content	1152 Btu/cu. ft.		1093 Btu/cu. ft.
7. Producing or Shut-in ?	Producing		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: Rates:	Date: Rates:	Date: Rates:
* If Producing, give date and oil/gas/ water rates of recent test (within 60 days)	Date: 1/15/97 Rates: 171 MCFD 5 BOPD 0 BWPD	Date: Rates:	Date: 1/15/97 Rates: 236 MCFD 0 BOPD 1 BWPD
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 97 % Gas: 46 %	Oil: % Gas: %	Oil: 3 % Gas: 54 %

9. If allocation formula is based upon something other than current or past production, or is based on 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? ☒ Yes ☐ No
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 ☐ No
11. Will cross-flow occur? ☐ Yes ☒ No If yes, are fluids compayable, will 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 ☐ No
13. 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
15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S). _____
16. ATTACHMENTS:
*C-102 for each zone to be commingled showing its spacing unit and acreage dedication. *Exhibit I & II*
*Production curve for each zone for at least one year. (If not available, attach explanation.) *Exhibit III & IV*
*For zones with no production history, estimated production rates and supporting data.
*Data to support allocation method or formula. *Exhibit V*
*Notification list of all offset, operators. *Exhibit VI*
*Notification list of all working, overriding, and royalty interest for uncommon interest cases.
*Any additional statements, data, or documents required to support commingling. *Exhibits VII - XIV*

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

Signature *Ted A. Tipton* Title Operating Unit Manager Date 5/22/97

TYPE OR PRINT NAME Ted A. Tipton

Telephone 325-4397

OIL CONSERVATION DIVISION

Exhibit I

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

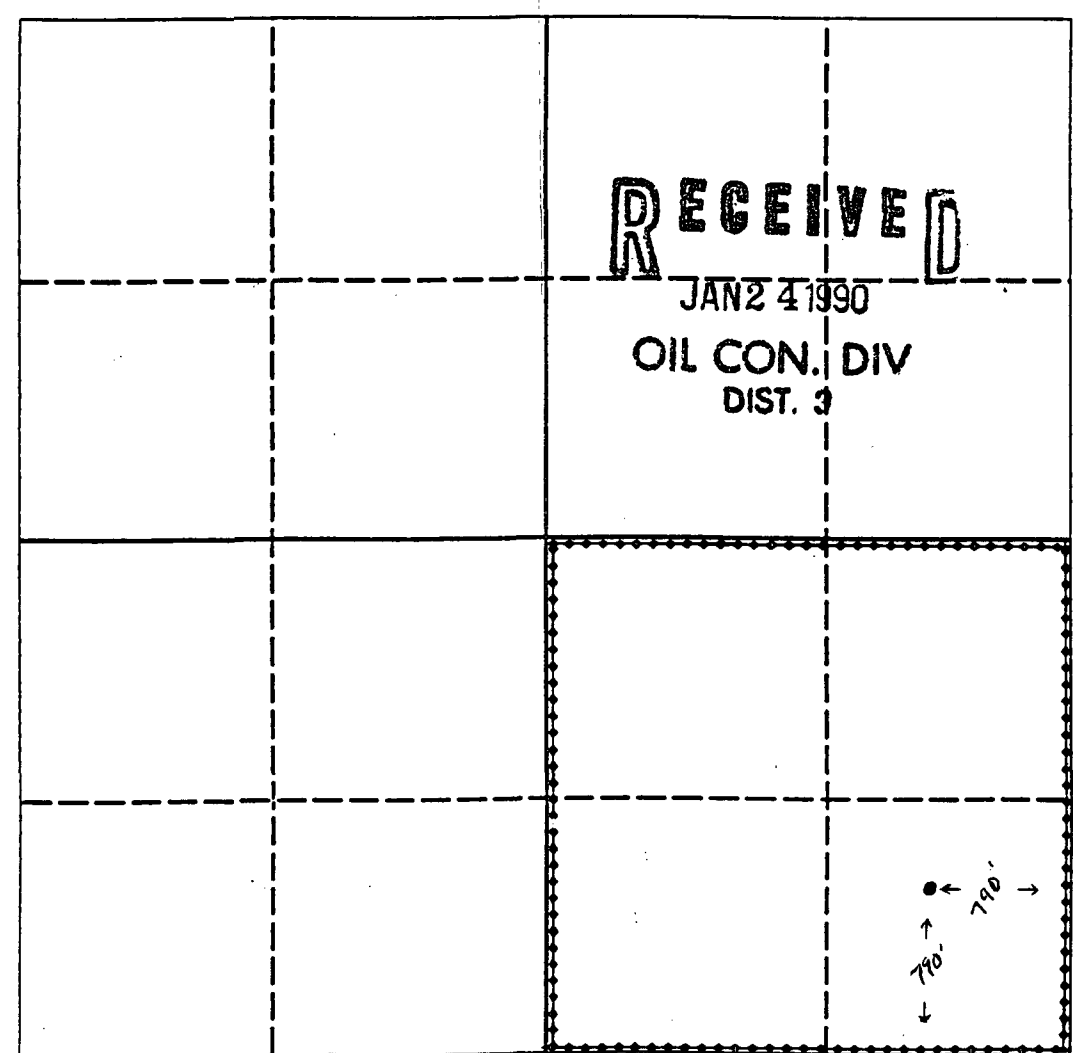
**P.O. Box 2088
Santa Fe, New Mexico 87504-2088**

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section.

Operator Texaco Inc.			Lease Wayne Moore Com			Well No. 1A			
Unit Letter P		Section 16		Township 31N		Range 9W		County San Juan	
Actual Footage Location of Well: 790 feet from the South line and 790 feet from the East line									
Ground level Elev. 6303' GR		Producing Formation Picture Cliff			Pool Blanco Picture Cliff		Dedicated Acreage: 160 Acres		
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.</p> <p>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).</p> <p>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.</p>									
						OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.			
						Signature <i>Alan A. Kleier</i>			
						Printed Name Alan A. Kleier			
						Position Area Manager			
						Company Texaco Inc.			
						Date 01-19-90			
						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.			

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-122
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

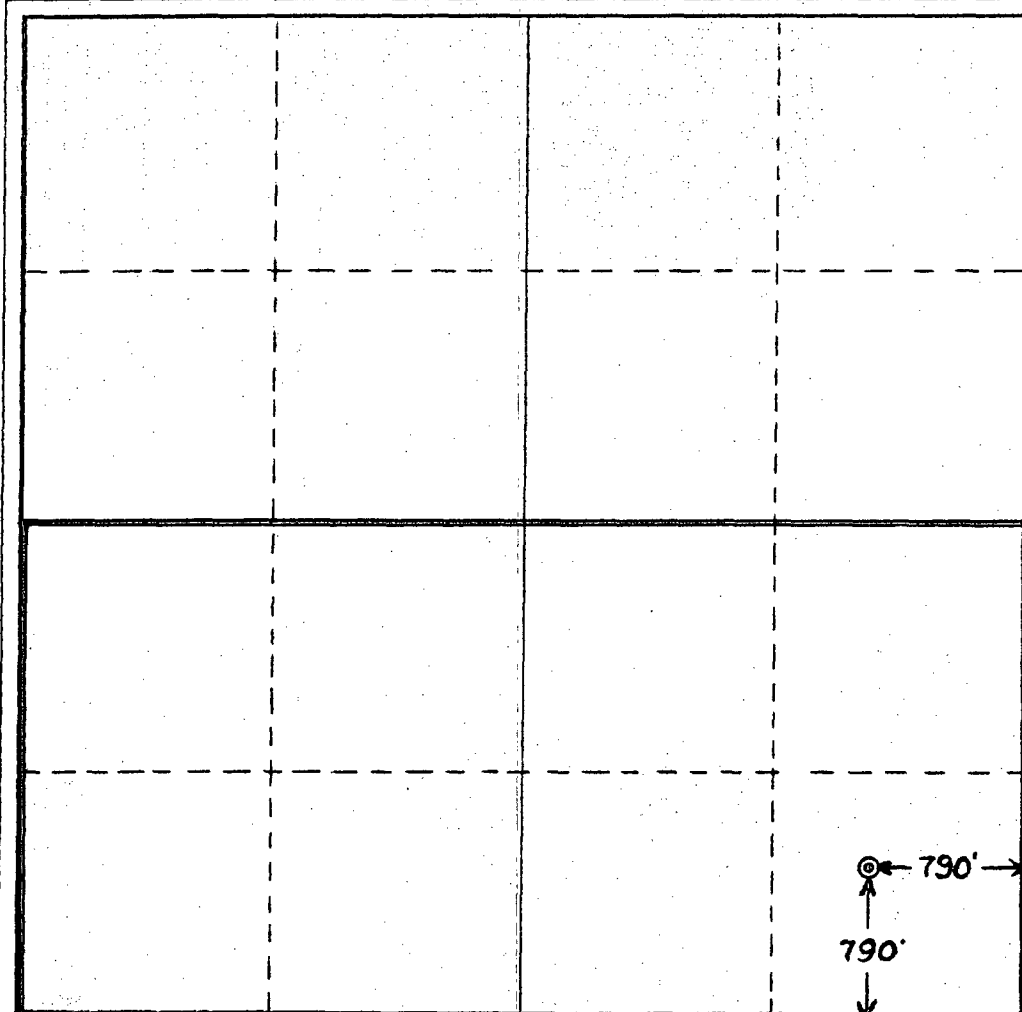
Operator TEXACO Inc.		Lease Wayne Moore Com.		Well No. 1A	
Unit Letter P	Section 16	Township 31 North	Range 9 West	County San Juan	
Actual Footage Location of Well: 790 feet from the South line and 790 feet from the East line					
Ground Level Elev. 6303'	Producing Formation Mesaverde		Pool Blanco Mesaverde	Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

[Signature]

Name

Position

District Superintendent

Company

TEXACO Inc.

Date

November 14, 1979

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

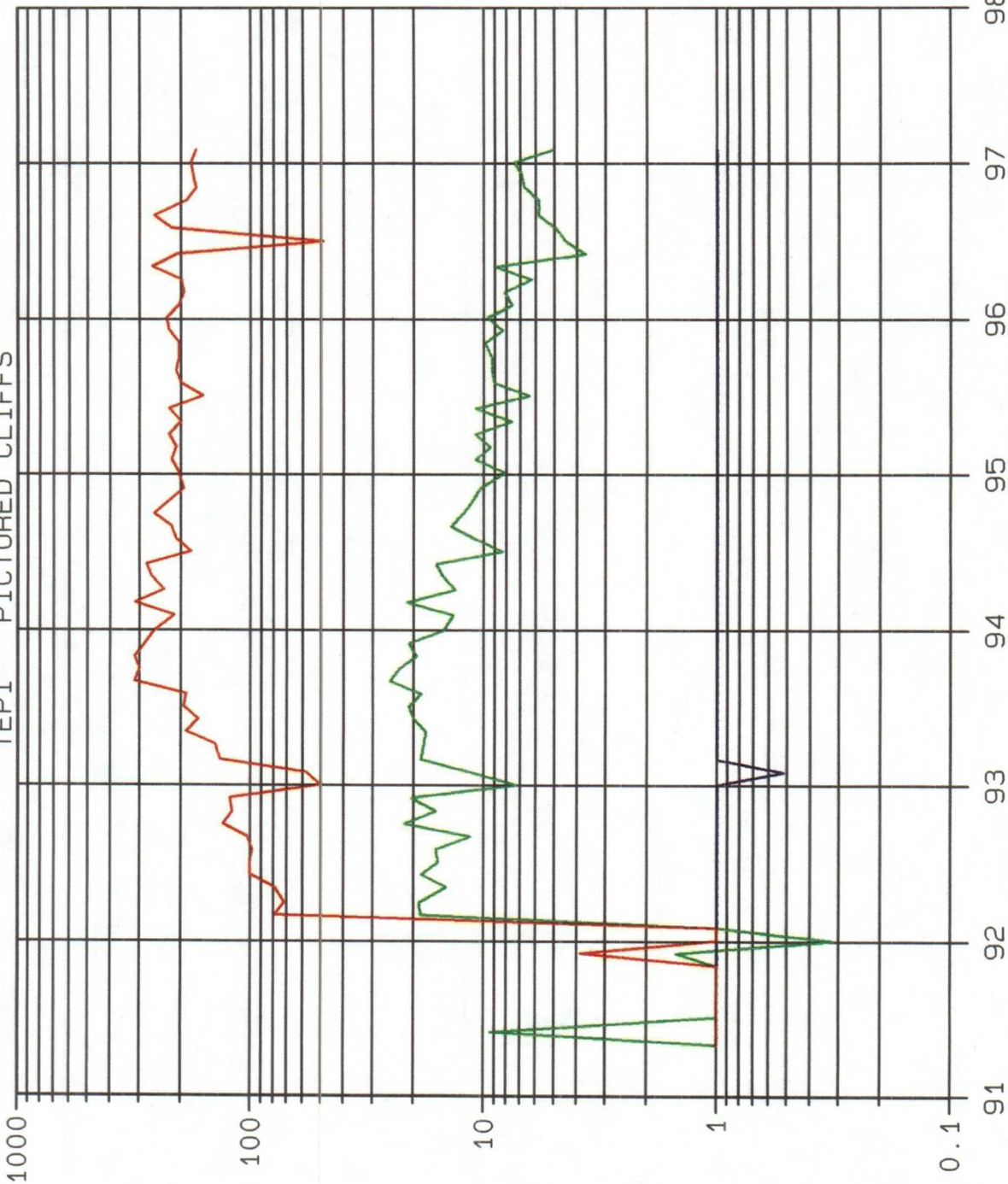
Registered Professional Engineer and/or Land Surveyor

Certificate No.

Exhibit III

MOORE, WAYNE COM 1A BLANCO PICTURED CLIFFS (GAS)

TEPI PICTURED CLIFFS



LEASE DATA
LSE 017729
FLD 72359
OPER TEPI
ZONE PCCF
--
COUNTY 045
STATE 30
30045239780002
STATUS 1-97
CO 23 MBO
CG 346 MMCF
CW 0 MBW
BOPD 5
BWPD 0
MCFPD 171
WELLS 1
CI 0 MBWI
BWIPD 0

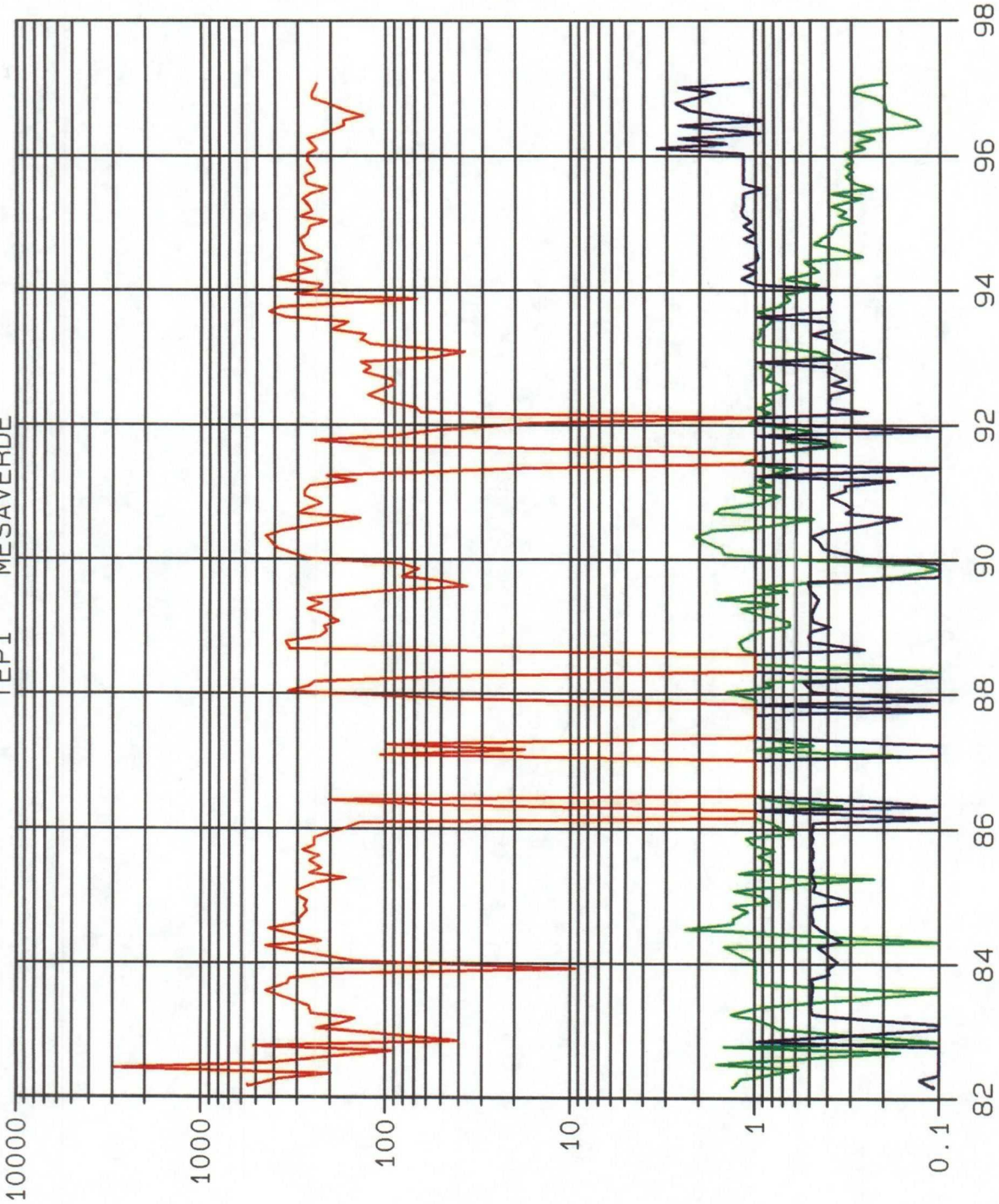
YEARS

Exhibit IV

WAYNE MOORE COM 1A BLANCO MESAVERDE (PRORATED GAS)

TEPI MESAVERDE

LEASE DATA
 LSE 017729
 FLD 72319
 OPER TEPI
 ZONE MVRD
 --
 COUNTY 045
 STATE 30
 30045239780001
 STATUS 1-97
 CO 4 MBO
 CG 1154 MMCF
 CW 3 MBW
 BOPD 0
 BWPD 1
 MCFPD 236
 WELLS 1
 CI 0 MBWI
 BWIPD 0



YEARS

Exhibit V

Allocation Calculation Based on Previous 3 Years Production						
Wayne Moore Com #1-A						
		<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1994-1996</u>	<u>Percentage</u>
Pictured Cliffs	Oil, Bbls	4,677	3,397	2,322	10,396	97%
Mesaverde	Oil, Bbls	159	116	82	357	3%
Pictured Cliffs	Water, Bbls	0	0	0	0	0%
Mesaverde	Water, Bbls	200	417	755	1,372	100%
Pictured Cliffs	Gas, MCF	84,660	75,886	70,224	230,770	46%
Mesaverde	Gas, MCF	99,558	94,634	77,908	272,100	54%

Exhibit VI

**OFFSET OPERATORS
FOR WAYNE MOORE COM #1A
T-31N, R-9W
SAN JUAN COUNTY, NEW MEXICO**

- (1) All of Section 15-31N-9W (Mesaverde formation); N/2-Section 16-31N-9W (Pictured Cliffs formation and Mesaverde formation); All of Section 17-31N-9W (Mesaverde formation); N/2-Section 21-31N-9W (Pictured Cliffs formation and Mesaverde formation)

Burlington Resources Oil & Gas Company
P. O. Box 4289
Farmington, NM 87499-4289

- (2) N/2-Section 20-31N-9W (Mesaverde formation); N/2-Section 22-31N-9W (Mesaverde formation)

Amoco Production Company
P. O. Box 800
Denver, CO 80201

- (3) NW/4-Section 22-31N-9W (Pictured Cliffs formation); W/2-Section 15-31N-9W (Pictured Cliffs formation)

50% -- Amoco Production Company
P. O. Box 800
Denver, CO 80201

50% -- Conoco Inc.
10 Desta Drive, Suite 100W
Midland, TX 79705-4500

- (4) S/2-Section 16-31N-9W (Pictured Cliffs formation and Mesaverde formation)

Four Star Oil & Gas Company
P. O. Box 2100
Denver, CO 80201

Exhibit VII

Calculated Bottomhole Pressure from Surface Pressure						
<u>Well</u>	<u>Interval</u>	<u>Date</u>	<u>P_s</u>	<u>S. G.</u>	<u>D</u>	<u>P_B</u>
Wayne Moore Com #1A	Pictured Cliffs	6/20/96	278	0.6748	3237	300
Wayne Moore Com #1A	Mesa Verde	6/18/97	291	0.6357	5364	328
Wayne Moore Com #1A	Pictured Cliffs	4/23/91	565	0.6748	3237	609
Wayne Moore Com #1A	Mesa Verde	4/24/80	615	0.6357	5364	692

Exhibit VIII

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator FOUR STAR OIL AND GAS COMPANY Lease WAYNE MOORE Well No. 1ALocation of Well: Unit P Sec. 16 Twp. 31N Rge. 9W County SAN JUAN

	NAME OF RESERVOIR OR POOL	TYPE OF PROD. (OIL OR GAS)	METHOD OF PROD. (Flow or Art. Lift)	PROD. MEDIUM (Tbg. or Ceg.)
Upper Completion	BLANCO PICTURED CLIFFS	GAS	FLOW	TBG.
Lower Completion	BLANCO MESAVERDE	GAS	FLOW	TBG.

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Completion	Hour, Date shut-in	Length of time shut-in	Si press. psig	Stabilized (Yes or No)
Lower Completion	Hour, Date shut-in	Length of time shut-in	Si press. psig	Stabilized (Yes or No)

FLOW TEST NO. 1

Commenced at (hour, date)*				Zone producing (Upper or Lower)	
TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE		PROD. ZONE TEMP.	REMARKS
		Upper Completion	Lower completion		
6-11-96		87	20		
12	24 HRS.	142	257		'BOTH ZONES SHUTIN
13	48 HRS.	240	272	
14	72 HRS.	253	278		
15	96 HRS.	259	285	
16	120 HRS.	265	288		
17	144 HRS.	270	290	
18	168 HRS.	275	291		
19	192 HRS.	277	239		UPPER SHUTIN; LOWER FLOW 24 HRS.
20	240 HRS.	278	234		UPPER SHUTIN; LOWER FLOW 24 HRS.

Production rate during test

Oil _____ BOPD based on _____ Bbls. in _____ Hours _____ Grav. _____ GOR _____

Gas _____ MCFPD; Tested thru (Orifice or Meter): _____

MID-FLOW SHUT-IN PRESSURE DATA

Upper Completion	Hour, Date shut-in	Length of time shut-in	Si press. psig	Stabilized (Yes or No)
Lower Completion	Hour, Date shut-in	Length of time shut-in	Si press. psig	Stabilized (Yes or No)

TEXACO EXPLORATION & PRODUCTION
3701 E. MAIN FARMINGTON, NM. 87401
(505) 326-2657

Exhibit IX

Source: METER RUN Report Date: 04/19/1996
Station #: 191-143 Sample Date: 4/19/96
Station Name: WAYNE MOORE #1A Flowing Pressure: 97 psig
Field: PICTURE CLIFF Flowing Temp.: 75 F

Method: c:\ezchrom\methods\cqmwet.met
File: c:\ezchrom\chrom\143.2

Gas Analysis by Chromatograph

Name	Mole %	BTU	SG	GPM
Nitrogen	0.695	0.000	0.007	
Methane	85.242	862.936	0.472	
CO2	1.504	0.000	0.023	
Ethane	7.131	126.482	0.074	1.907
H2S	0.000	0.000	0.000	
propane	3.308	83.425	0.050	0.912
i-Butane	0.572	18.644	0.011	0.187
n-Butane	0.865	28.284	0.017	0.273
i-Pentane	0.308	12.351	0.008	0.113
n-Pentane	0.222	8.920	0.006	0.080
Hexanes	0.100	4.767	0.003	0.041
Heptanes	0.040	2.206	0.001	0.018
Octanes	0.013	0.912	0.001	0.007
	0.000	0.000	0.000	

Ideal Total 100.000 1148.927 0.673 3.539

Gross BTU/Real Cu. Ft. (@ 60 deg F, 14.730)	Gasoline Content
Dry = 1152.344	Propane GPM = 0.912
Sat. = 1133.576	Butane GPM = 0.460
Actual = 1152.344	Gasoline GPM = 0.260
(0.000 lbs. water/MMCF)	26# Gasoline GPM = 0.533
	Total GPM = 1.631

Real Specific Gravity Calculated = 0.6748
On-Site Specific Gravity = 0.0000

Gas Compressability = 0.9970

Remarks: FLOW RATE 225 MCF/D

TEXACO EXPLORATION & PRODUCTION
3701 E. MAIN FARMINGTON, NM. 87401
(505) 326-2657

Exhibit X

Source: METER RUN Report Date: 04/19/1996
Station #: 191-142 Sample Date: 4/19/96
Station Name: WAYNE MOORE #1A Flowing Pressure: 96 psig
Field: MESA VERDE Flowing Temp.: 69 F

Method: c:\ezchrom\methods\cqmwet.met
File: c:\ezchrom\chrom\142.2

Gas Analysis by Chromatograph

Name	Mole %	BTU	SG	GPM
Nitrogen	0.655	0.000	0.006	
Methane	89.797	909.048	0.497	
CO2	1.459	0.000	0.022	
Ethane	4.957	87.922	0.051	1.326
H2S	0.000	0.000	0.000	
propane	1.878	47.362	0.029	0.517
i-Butane	0.319	10.398	0.006	0.104
n-Butane	0.484	15.826	0.010	0.153
i-Pentane	0.183	7.339	0.005	0.067
n-Pentane	0.138	5.545	0.003	0.050
Hexanes	0.069	3.289	0.002	0.028
Heptanes	0.047	2.592	0.002	0.022
Octanes	0.014	0.982	0.001	0.008
	0.000	0.000	0.000	

Ideal Total 100.000 1090.302 0.634 2.275

Gross BTU/Real Cu. Ft. (@ 60 deg F, 14.730)	Gasoline Content
Dry = 1093.130	Propane GPM = 0.517
Sat. = 1075.353	Butane GPM = 0.257
Actual = 1093.130	Gasoline GPM = 0.175
(0.000 lbs. water/MMCF)	26# Gasoline GPM = 0.328
	Total GPM = 0.949

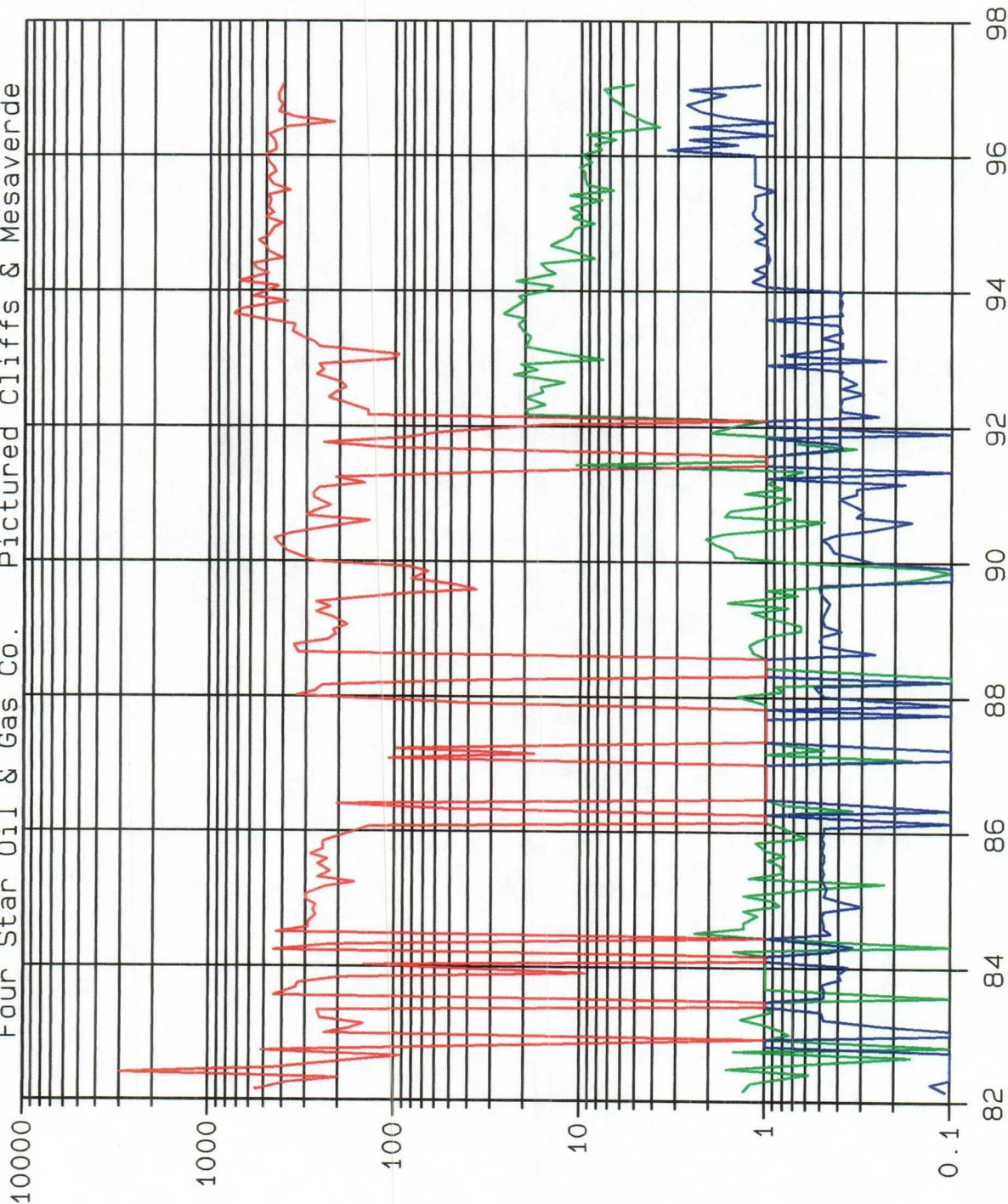
Real Specific Gravity Calculated = 0.6357
On-Site Specific Gravity = 0.0000

Gas Compressability = 0.9974

Remarks: FLOW RATE 325 MCF/D

Exhibit XI

Wayne Moore Com # 1A Blanco P. C. & Blanco M. V.
Four Star Oil & Gas Co. Pictured Cliffs & Mesaverde



YEARS

LEASE DATA

LSE

FLD

OPER

ZONE

31N-9W-16

COUNTY

STATE

STATUS 1-97

CO 27 MBO

CG 1500 MMCF

CW 3 MBW

BOPD 5

BWPD 1

MCFPD 407

WELLS 2

CI 0 MBWI

BWIPD 0

MCFPD

BWPD

BOPD

Exhibit XII

Is your RETURN ADDRESS completed on the reverse side? SENDER: ■ Complete items 1 and/or 2 for additional services. ■ Complete items 3, 4a, and 4b. ■ Print your name and address on the reverse of this form so that we can return this card to you. ■ Attach this form to the front of the mailpiece, or on the back if space does not permit. ■ Write "Return Receipt Requested" on the mailpiece below the article number. ■ The Return Receipt will show to whom the article was delivered and the date delivered.		I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.	
3. Article Addressed to: AMOCO PRODUCTION COMPANY PO BOX 800 DENVER, CO 80201		4a. Article Number P 553 379 495 4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD 7. Date of Delivery 2-5-97	
5. Received By: (Print Name) 6. Signature: (Addressee or Agent) X		8. Addressee's Address (Only if requested and fee is paid)	
PS Form 3811, December 1994		Domestic Return Receipt	

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side? SENDER: ■ Complete items 1 and/or 2 for additional services. ■ Complete items 3, 4a, and 4b. ■ Print your name and address on the reverse of this form so that we can return this card to you. ■ Attach this form to the front of the mailpiece, or on the back if space does not permit. ■ Write "Return Receipt Requested" on the mailpiece below the article number. ■ The Return Receipt will show to whom the article was delivered and the date delivered.		I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.	
3. Article Addressed to: BURLINGTON RESOURCES OIL & GAS COMPANY PO BOX 4289 FARMINGTON, NM 87499-4289		4a. Article Number P 553 379 497 4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD 7. Date of Delivery 02-04-97	
5. Received By: (Print Name) Judith Dee 6. Signature: (Addressee or Agent) X		8. Addressee's Address (Only if requested and fee is paid)	
PS Form 3811, December 1994		Domestic Return Receipt	

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side? SENDER: ■ Complete items 1 and/or 2 for additional services. ■ Complete items 3, 4a, and 4b. ■ Print your name and address on the reverse of this form so that we can return this card to you. ■ Attach this form to the front of the mailpiece, or on the back if space does not permit. ■ Write "Return Receipt Requested" on the mailpiece below the article number. ■ The Return Receipt will show to whom the article was delivered and the date delivered.		I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.	
3. Article Addressed to: CONOCO, INC. 10 DESTA DRIVE, SUITE 100W MIDLAND, TX 79705-4500		4a. Article Number P 553 379 422 4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD 7. Date of Delivery 2-5-97	
5. Received By: (Print Name) 6. Signature: (Addressee or Agent) 		8. Addressee's Address (Only if requested and fee is paid)	
PS Form 3811, December 1994		Domestic Return Receipt	

Thank you for using Return Receipt Service.

4/02/97



WAYNE MOORE COM No. 1-A

API# 30 045 23978

CURRENT COMPLETION

LOCATION:

790' FSL & 790' FEL
SE/SE, Sec. 16, T31N, R09W
San Juan County

ELEVATION: 6319' KB

SPUD DATE: 2/07/80

COMPL DATE: 4/14/80

FORMATION TOPS:

Pictured Cliffs 3103'
Cliff House 4982'
Menefee 5066'
Pt. Lookout 5355'
Mancos 5754'

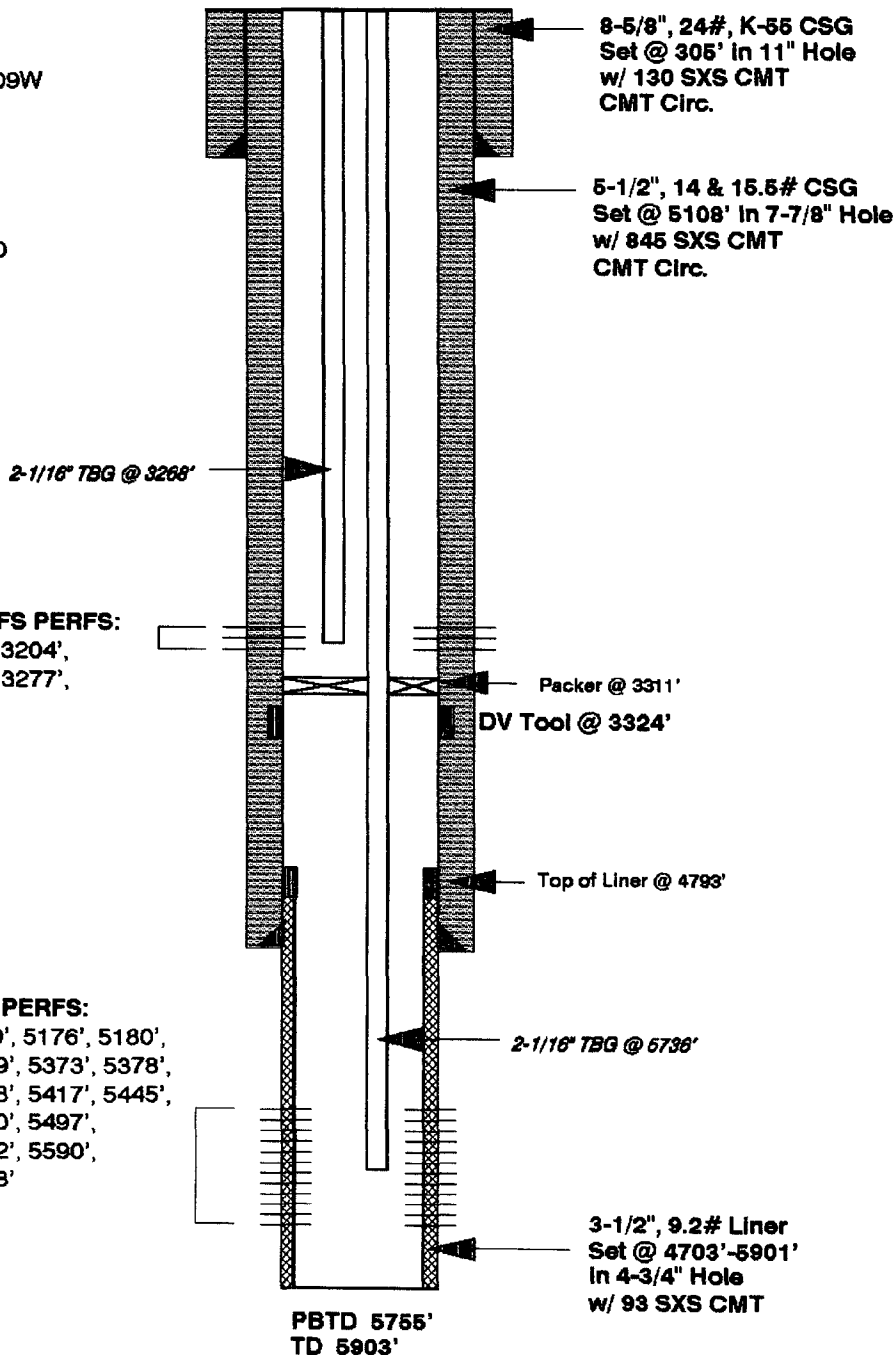
PICTURED CLIFFS PERFS:

3174'-98', 3201', 3204',
3208'-66', 3273', 3277',
3298'-3300'

MESA VERDE PERFS:

4990'-5060', 5108', 5170', 5176', 5180',
5246', 5266', 5290', 5369', 5373', 5378',
5386', 5395', 5402', 5408', 5417', 5445',
5454', 5458', 5463', 5480', 5497',
5514', 5534', 5565', 5572', 5590',
5619', 5630', 5703', 5738'

1 JSPF



4/02/97



WAYNE MOORE COM No. 1-A

API# 30 045 23978

PROPOSED DH COMMINGLED COMPLETION

LOCATION:

790' FSL & 790' FEL
SE/SE, Sec. 16, T31N, R09W
San Juan County

ELEVATION: 6319' KB

SPUD DATE: 2/07/80

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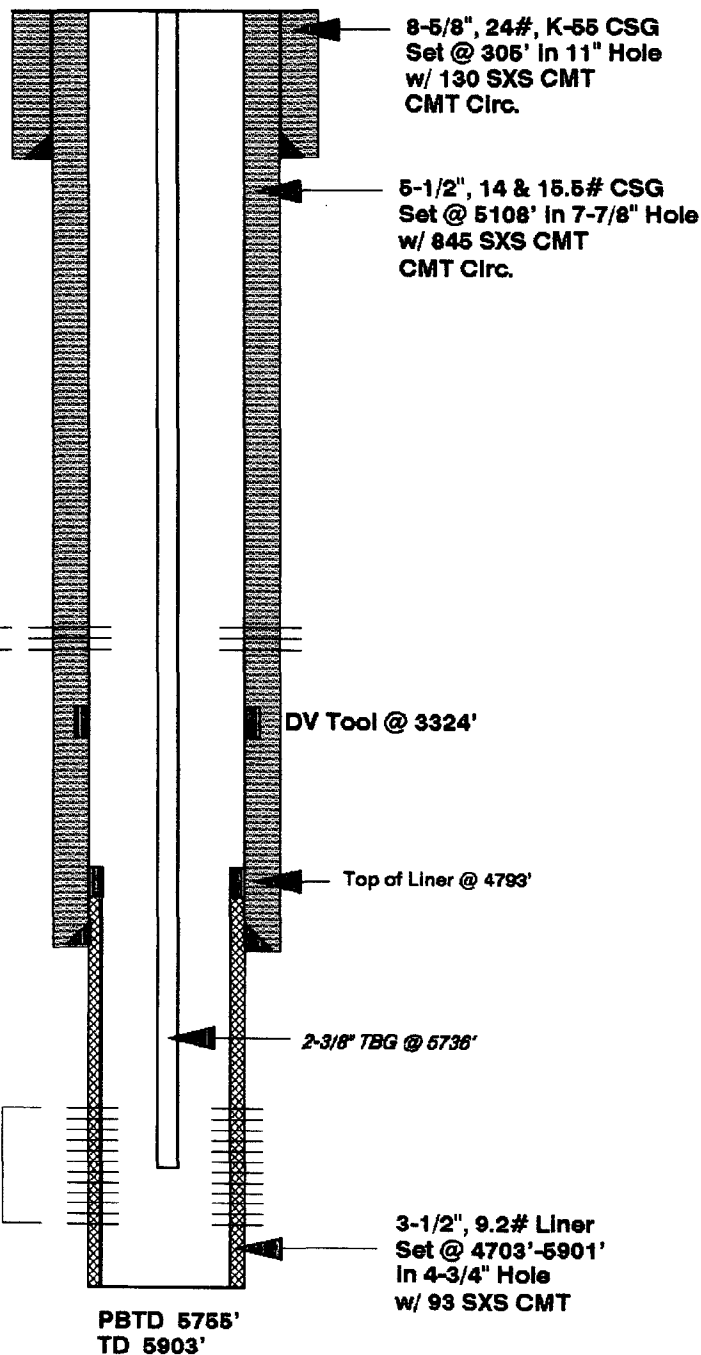
PICTURED CLIFFS PERFS:

3174'-98', 3201', 3204',
3208'-66', 3273', 3277',
3298'-3300'
2 JSPF

MESA VERDE PERFS:

4990'-5060', 5108', 5170', 5176', 5180',
5246', 5266', 5290', 5369', 5373', 5378',
5386', 5395', 5402', 5408', 5417', 5445',
5454', 5458', 5463', 5480', 5497',
5514', 5534', 5565', 5572', 5590',
5619', 5630', 5703', 5738'

1 JSPF





CHECK NUMBER

No. F 13128

TEXACO EXPLORATION AND PRODUCTION INC.

PRODUCING DEPARTMENT - UNITED STATES
DENVER, COLORADO

FORM PO-226 (11/94) IM

35-60
1130

May 22, 1997

PAY Thirty and 00/100 Dollars..... \$ *30.00*

TO THE
ORDER OF Commissioner of Public Lands

TEXAS COMMERCE BANK, N.A.
P.O. BOX 2558
HOUSTON, TEXAS 77252

Texaco Exploration and Production Inc.
DENVER DIV. FARMINGTON AREA
ACCOUNT NO. 00101821628
WORKING FUND ACCOUNT

Grant L. Halquist

⑈013128⑈ ⑆113000609⑆ ⑈00101821628⑈