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

Énergy, Minerals and Natural Resources Department

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

OIL CONSERVATION DIVISION

State of New Mexico

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

APPLICATION FOR DOWNHOLE COMMINGLING

X Administrative ____ Hearing EXISTING WELLBORE

X YES

TEXACO EXPLORATION & PRODUC	TION, INC. 33	300 N. Butler A	ve., Suite 100	Farming	jton	NM	87401	
Operator WAYNE MOORE COM	1 A	Р	Address 16	T31N	R09W		SAN JUAN	
Lease	Well No.	Unit	Ltr Sec - Twp -	Rge			County	
OGRID No. 022364 Proper	ty Code	API No.	3004	523978	Sp Federal [acing Unit Lease State	Types: (check 1 or X (and/or)	•
The following facts are submitted in support of downhole commingling:	Upper Zone		Int	ermediate			Lower	
Pool Name and	Blanco Pictured			Zone		Blanco Mesa	Zone everde	
Pool Code	Cliffs 72359			• • • • • • • • • • • • • • • • • • • •		72319		
Top and Bottom of Pay Section (Perforations)	3174' - 3300'		The Artist	/M . 20/20/29 '00 total	me server sym.	4990' - 5738'		
Type of Production (Oil or Gas)	Gas		回區	CEIN	AEW	Gas		
Method of Production (Flowing or Artificial Lift)	Flow/Plunger Lift		UU MA	Y 2 3 19	97	Flow/Plunger	Lift	
5. Bottomhole Pressure	(Current)		a. ())]]]]	(2(0)))],	DIW	a		
Oil Zones - Artificial Lift: Estimated Current	300 psig					a. 328 psig		
Gas -Oil - Flowing: Measured Current	b. (Original)		b.	CORNER C	<i>y</i>	b.		
All Gas Zones: Estimated Or Measured Original	609 psig					692 psig		
Oil Gravity (*API) or Gas BTU Content	1152 Btu/cu. ft.					1093 Btu/ci		
7. Producing or Shut-in ?	Producing							
Production Marginal? (yes or no)	yes					Producing yes		
If Shut-in, give date and oil/gas/	Date;		Date:			Date:		
water rates of last producton	Rates:		Rates:			Rates:		
Note: For new zones with no production history applicant shall be required to attach production								
* If Producing, give date and oil/gas/	Date:	1/15/97	Date:			Date:		1/15/97
water rates of recent test	Rates: 171 MCFD 5 BOPD 0 BWF	n.	Rates:			Rates: 2	236 MCFD	
ithin 60 days)		Gas:	Oil:	Gas			1 BWPD	
Fixed Percentage Allocation Formulla - % for each zone	97 % 46		OII.	%	%	Oil: 3	Gas: % 54	%
							. 54	
 If allocation formula is based up submit attachments with support 	oon something other that rting data and/or explain	n current or pa ing mmethod a	st production, and providing a	or is based o	on some other	er method, equired data.		
10. Are all working, overriding, and	royalty interests identica	al in all commin	gled zones?			Y ·	Yes 1	40
If not, have all working, overriding						<u>X</u>	YesN	No
Have all offset operators been g	given written notice of the	e proposed do	wnhole commi	ingling		_X_	Yes N	٧o
 Will cross-flow occur?	fes χ No If yes, and will the allocation for	s, are fluids cor ormula be relia	mpayible, will t ble.	formations no	ot be damage No		ros attach explanat	tion)
12. Are all produced fluids from all o				χ Yes		(and on onplant	
13. Will the value of production be d	ecreased by commingling	ng?		Yes	_X_ No	(If Yes, a	attach explanati	ion)
 If this well is on, or communitize United States Bureau of Land Ma 	d with, state or federal la anagement has been no	ands, either the stified in writing	Commission of this applica	er of Public Lation	ands or the	No		
15. NMOCD Reference Cases for R			ORDER NO(S)					
16. ATTACHMENTS: *C-102 for each zone to I *Production curve for eac *For zones with no produ *Data to support allocation	ch zone for at least one y action history, estimated on method or formula.	year. (If not av production rate なんらげ 又	ailable, attach	explanation				
*Notification list of all offs *Notification list of all wor *Any additional statemen	rking, overriding, and roy	alty interest fo	r uncommon i	nterest case	s.			
*Any additional statemen					VII VII	XIV		
ereby certify that the information above		-	_		-			
Signature / (Q)/(C/+\)/	de Bras Ti	tle Operati	ng Unit Mana	ger	Date	5/22/97		
TYPE OR PRINT NAM Ted A. Tipton			Tele	phone	325-4397			

OIL CONSERVATION DIVISION Exhibit I

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator				Lease					- 1	Well No.	
Texaco	Inc.			Wayne	Moore	Com			ļ	1A	
Unit Letter	Section	Township		Range				County			
P	16	31N		9	W	NN	ирм	Sa	n J	uan	
Actual Footage Loca	tion of Well:										
790	1004 110111 410	South	line and	7	90	feet 1	from th	ъ Ea		line	
Ground level Elev.	· ·	Formation		Pool		E	T		I	Dedicated Acreage:	
6303 ' G	,	ure Cliff				icture/C	<u>Clif</u>	<u>ff</u>		160 Acres	
1. Outline	the acreage dedicated	to the subject well t	y colored pen	cil or hachure r	narks on the	piat below.					
	than one lease is dedi				•						
	ion, force-pooling, etc.	.?						-		•	
	Yes			e of consolidati		<i>al</i>	i				
	is "no" list the owners if neccessary.	and tract description	R MITCH INVE	actually been c	onsolidated.	(Use reverse at	DE OI				
No allows	ible will be assigned to non-standard unit, elim					nitization, unitiz	zation,	forced-poo	oling,	or otherwise)	
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MAINENI -

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-172 Supersedes C-128 Effective 1-1-25

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

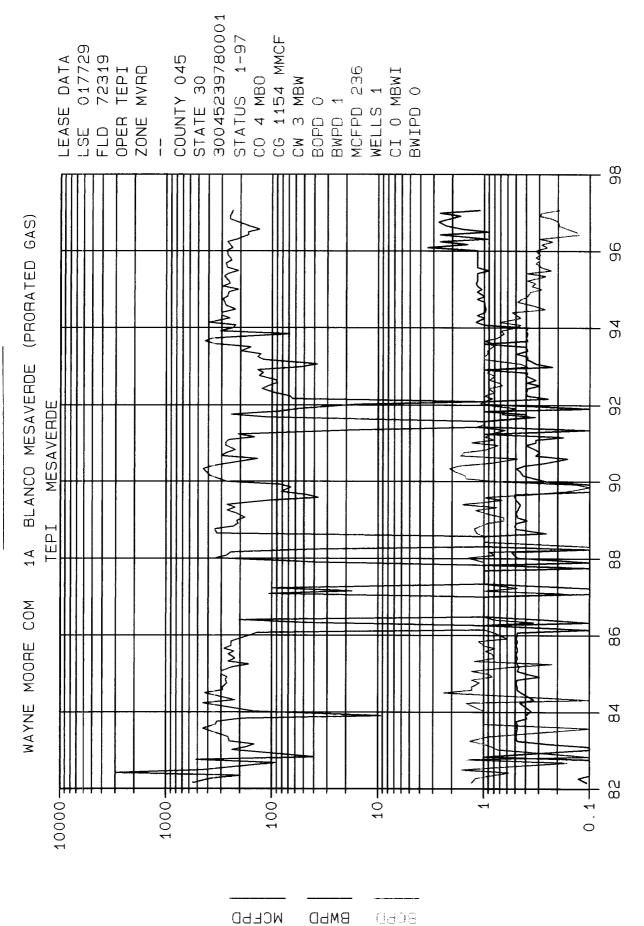
		All distances indet of its			Well No.
Operator messay	TEXACO Inc.			Moore Com.	1A
	Section .	Township	Range	County	
Unit Letter P	16	31 North	9 West	San Juan	L
Actual Footage Loc	l			<u> </u>	
790		South line and	790	feet from the East	line
Bround Level Elev.	Producing For		ool		Dedicated Acreage:
6303'_	Mesa	verde	Blanco	Mesaverde	320 Arres
1. Outline th		ted to the subject well			
interest an	id royalty).				thereof (both as to working
3. If more that dated by c	ommunitization, u	nitization, force-pooling	etc?	II, have the interests of	of all owners been consoli-
Yes	No If an	iswer is "yes;" type of c	onsolidation		
		owners and tract descrip	tions which have	e actually been consoli	dated. (Use reverse side of
this form i	f necessary.)	3		a canadidated (by as	mmunitization unitization
No allowab	ole will be assigned	ed to the well until all in	terests have been	n consolidated (by co	mmunitization, unitization,
	ling, or otherwise)	or until a non-standard b	mit, emminating	such interests, has bee	n approved by the Commis-
sion.					
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l	i I		i	1 1	n this plat was plotted from field
	i ‡		i	1 1	f octual surveys made by me or
İ	Ì		ļ	under m	y supervision, and that the same
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	 		790	and/or La	nd Surveyor
			<u> </u>	Certificate	· No.
0 330 660	90 1320 1660 1980	2310 2640 2000	1500 1000	500 0	

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YEARS



FABS

	Allocation Calculation Based on Previous 3 Years Production								
Wayne Moore Com #1-A									
		1994	<u>1995</u>	<u>1996</u>	1994-1996	Percentage			
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 III

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 Section17-31N-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) <u>NW/4-Section 22-31N-9W (Pictured Cliffs formation); W/2-Section 15-31N-9W (Pictured Cliffs formation)</u>

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

Calculated Bottomhole Pressure from Surface Pressure							
Well	Interval	Date	<u>Ps</u>	<u>S. G.</u>	D	<u>P</u> B	
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	

Lower Completion Hour, Date shut-in

Exhibit VIII

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

perator <u>FOU</u>	IR STAR OIL A	ND GAS COMPANY		Lease	WAYNE MOORE	Well No. <u>1A</u>	
ocation f Well: Unit	Р	Sec. <u>16</u> Twp.	31N	Rge	9W	CountySAN JUA	.N
		NAME OF RESERVOIR	ORPOOL	-	TYPE OF PROD.	METHOD OF PROD. (Flow or Art. Lift)	PROD. MEDIUN (Tbg. or Cag.)
Upper Completion	on	BLANCO PICTURED	CLIFFS		GAS	FLOW	TBG.
Lower Completic	1	BLANCO MESAVERDI	<u> </u>		GAS	FLOW	TBG.
		PRE-FLOW S	HUT-IN	PRESSURE D)ATA		
Upper Completic		te shut-in		Length of time	shut-in	Si press. psig	Stablized (Yes or No
Lower	Hour, Da	te shut-in		Length of time	shut-in	Si press. psig	Stablized (Yes or No
			FLOW T	EST NO. 1			
ommenced a	at (hour, date)*				Zone producing (U		
TIME	LAPSED TIME		RESSURE		PROD. ZONE	LOWER REMA	RKS
hour,date) -11-96	SINCE*	Upper Completion 87	Lowe 20	r completion	ТЕМР.		
12	24 HRS.	142	257			'BOTH ZONES SH	UTIN
13	48 HRS	240	272			 	
14	72 HRS.	253	278				
15	96 HRS.	259	285				
16	120 HR\$.	265	288		<u> </u>		
17	144 HRS.	270	290				•
18	168 HR\$.	275	291				
19	192 HR\$.	277	239			UPPER SHUTIN;LO	WER FLOW 24 HR
20	240 HRS.	278	234			UPPER SHUTIN;LOV	VER FLOW 24 HRS
oduction rate	durina test						
		ed on	Bbls. in _	Hour	8	Grav. GOF	1
as		MCFPI	D; Tested th	ru (Orifice or Me	eter):		
		MID-	·FLOW S	HUT-IN PRE	SSURE DATA		
Upper Completic		ate shut-in		Length of time		Si press. psig	Stablized (Yes or No

Length of time shut-in

Si press. psig

Stablized (Yes or No)

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

Source: METER RUN

Station #: 191-143

Station Name: WAYNE MOORE #1A

Field: PICTURE CLIFF

Report Date: 04/19/1996

Sample Date: 4/19/96

Flowing Pressure: 97 psig

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)

Dry = 1152.344

Sat. = 1133.576

Actual = 1152.344

(0.000 lbs. water/MMCF)

Gasoline Content

Propane GPM = 0.912

Butane GPM = 0.460

Gasoline GPM = 0.260

Total GPM = 0.533

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

Gas Compressability = 0.9970

Remarks: FLOW RATE 225 MCF/D

TEXACO EXPLORATION & PRODUCT'. N 3701 E. MAIN FARMINGTON, NM. 87401

(505) 326-2657

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

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
octanos	0.000	0.000	0.000	
Ideal Total	100.000	1090.302	0.634	2.275

Gasoline Content Gross BTU/Real Cu. Ft. Propane GPM = 0.517(@ 60 deg F, 14.730) Butane GPM = 0.257Dry = 1093.130Gasoline GPM = 0.175Sat. = 1075.353

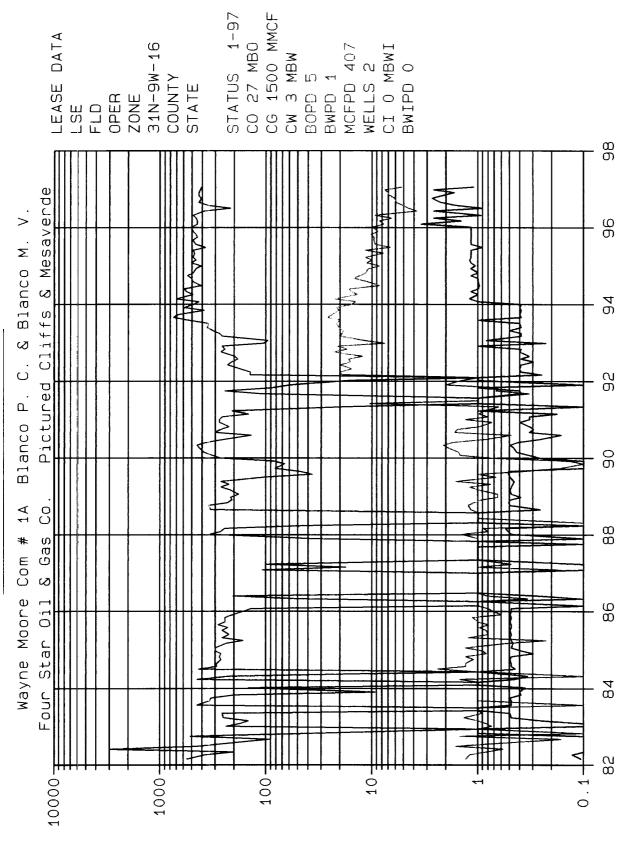
26# Gasoline GPM = 0.328 Actual = 1093.130

Total GPM = 0.949(0.000 lbs. water/MMCF)

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

> > Gas Compressability = 0.9974

Remarks: FLOW RATE 325 MCF/D



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your RETURN ADDRESS completed on the reverse	CONOCO, INC. 10 DESTA DRIVE, SUITE 100W MIDLAND, TX 79705-4500	☐ Registered Express Return Re	ed Mail ceipt for Merchandise	-	Thank you for using Return Receipt Service.
pleted	3. Article Addressed to.		53 379	422	turn R
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 card to you. Attach this form to the front of the mailpiece, or on the back if space permit. Write 'Return Receipt Requested' on the mailpiece below the article. The Return Receipt will show to whom the article was delivered and delivered. 3. Article Addressed to:	e does not e number.	I also wish to rect following services extra fee): 1. Addresse 2. Restricte Consult postmass	e's Address d Delivery	eceipt Service.
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ls your RETUR	5. Beceived By: (Print Name) 6. Signature: (Addressee of Agent) X Auduh Del	8. Addressed and fee is			
N ADDRES	PO BOX 4289 FARMINGTON, NM 87499-4289	7. Date of Do	ceipt for Merchandise elivery 2-04-9	_ cod	you for us
S completed	BURLINGTON RESOURCES OIL & GAS COMPANY	4b. Service Registers Express	53 379 Type ed	497 Certified Insured	ing Return R
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 card to you. Attach this form to the front of the mailpiece, or on the back if space permit. Write "Return Receipt Requested" on the mailpiece below the article. The Return Receipt will show to whom the article was delivered and delivered. 3. Article Addressed to:	e does not e number.	1.	e's Address d Delivery	Thank you for using Return Receipt Service.
ls you	X PS Form 3811 , December 1994		Domestic Retu	rn Receipt	
RETU	Received By: (Print Name) Signature: (Add essee or Agent)	and fee is		. 54000100	Than
your RETURN ADDRESS completed on the reverse	AMOCO PRODUCTION COMPANY PO BOX 800 DENVER, CO 80201	Registere Express Metum Rec 7. Data of De	od Mail ceipt for Merchandise		Thank you for using Return Receipt Service
pleted	3. Article Addressed to:	4a. Article No	53 379	495	turn Re
on the re	permit. White "Return Receipt Requested" on the mailpiece below the article The Return Receipt will show to whom the article was delivered and delivered.	number. d the date	Restricted Consult postmast	-	ceipt Ser
verse 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 card to you. Attach this form to the front of the mailpiece, or on the back if space	I also wish to receive the following services (for an extra fee): 1. Addressee's Address			
٠-	SENDER:		l		

PS Poim 3011, December 1994

Domestic Return Receipt

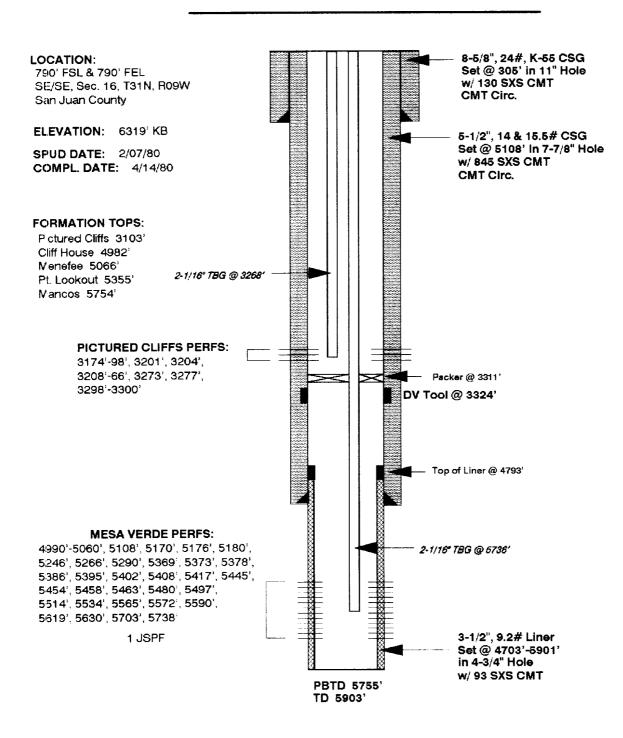
4/02/97



WAYNE MOORE COM No. 1-A

API# 30 045 23978

CURRENT COMPLETION



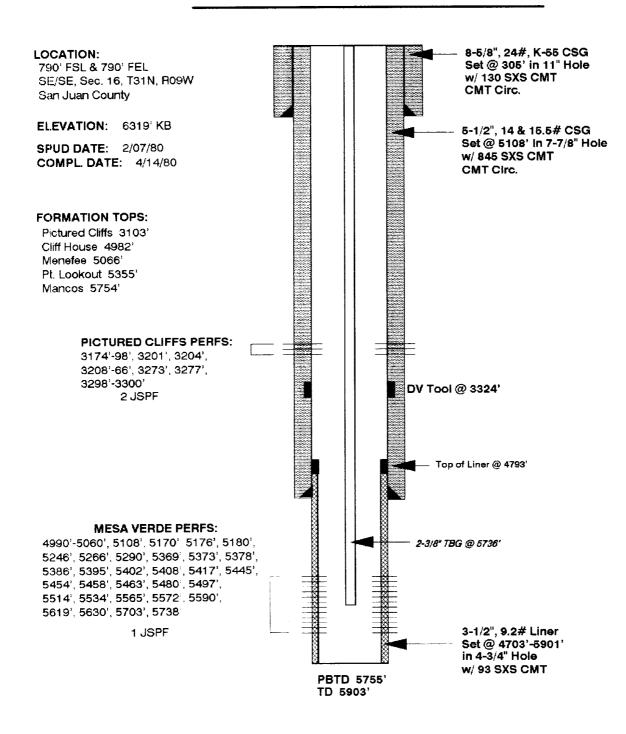




WAYNE MOORE COM No. 1-A

API# 30 045 23978

PROPOSED DH COMMINGLED COMPLETION



CHECK NUMBER

TEXACO EXPLORATION AND PRODUCTION INC.

FORM PO-226 (11/94) IM

35-60 1130

No. F 13128

PRODUCING DEPARTMENT - UNITED STATES DENVER, COLORADO

May 22, 1997

PAY Thirty and 00/100 Dollars.

TO THE

ORDER OF Commissioner of Rublic Lands

Texaco Exploration and Production Inc.

DENVER DIV. FARMINGTON AREA ACCOUNT NO. 00101821628 WORKING FUND ACCOUNT

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

"PO23128" ::113000609: