

OIL CONSERVATION DIVISION

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Operator Texaco Exploration and Production Inc.	Well API No. 30 039 05826
Address 3300 North Butler Farmington, New Mexico 87401	
Reason(s) for Filing (Check proper box) <input checked="" type="checkbox"/> Other (Please explain) EFFECTIVE 6-1-91	
New Well <input type="checkbox"/>	Change in Transporter of: <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
Change in Operator <input checked="" type="checkbox"/>	
If change of operator give name and address of previous operator Texaco Inc. 3300 North Butler Farmington, New Mexico 87401	

II. DESCRIPTION OF WELL AND LEASE

Lease Name JICARILLA C	Well No. 24	Pool Name, Including Formation OTERO CHACRA (GAS)	Kind of Lease State, Federal or Fee INDIAN	Lease No. 366610
Location Unit Letter F : 1980 Feet From The NORTH Line and 1980 Feet From The WEST Line Section 27 Township 25N Range 5W, NMPM, RIO ARRIBA County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil Meridian Oil, Inc.	<input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) P. O. Box 4289 Farmington, NM 87499-4289				
Name of Authorized Transporter of Casinghead Gas El Paso Natural Gas Company	<input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) P. O. Box 990 Farmington, NM 87499				
If well produces oil or liquids, give location of tanks.	Unit F	Sec. 27	Twp. 25N	Rge. 5W	Is gas actually connected? YES	When ? UNKNOWN

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

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.

Signature K. M. Miller
Printed Name K. M. Miller Title Div. Ops. Engr.
Date March 28, 1991 Telephone No. 915-688-4834

OIL CONSERVATION DIVISION

JUN 06 1991

Date Approved _____
By Brian D. Shum
Title SUPERVISOR DISTRICT #3

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.



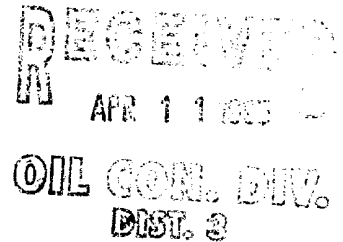
STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

ADMINISTRATIVE ORDER DHC-1120

Texaco Exploration & Production, Inc.
3300 North Butler Avenue
Farmington, New Mexico 87401

Attention: Ted A. Tipton



*Jicarilla 'C' Well No. 24
Unit F, Section 27, Township 25 North, Range 5 West, NMPM,
Rio Arriba County, New Mexico.
Otero Chacra and Otero Gallup Pools*

Dear Mr. Tipton:

Reference is made to your recent application for an exception to Rule 303-A of the Division Rules and Regulations to permit the subject well to commingle production from both pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303-C, and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the two zones is hereby placed in abeyance.

In accordance with the provisions of Rule 303-C-4., total commingled oil production from the subject well shall not exceed 20 barrels per day, and total water production shall not exceed 40 barrels per day. The maximum amount of gas which may be produced daily from the well shall be determined by Division Rules and Regulations or by the gas allowable for each respective prorated pool as printed in the Division's San Juan Basin Gas Proration Schedule.

Assignment of allowable to the well and allocation of production from the well shall be on the following basis:

Otero Chacra Pool	Oil	0 %	Gas	33 %
Otero Gallup Pool	Oil	100 %	Gas	67 %

Division Order DHC-1120

Texaco exploration & Production, Inc.

April 7, 1995

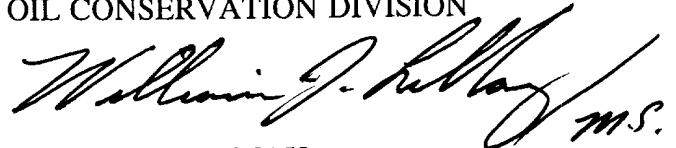
Page 2

FURTHER: The operator shall notify the Aztec District Office of the Division upon implementation of the commingling process.

Pursuant to Rule 303-C-5, the commingling authority granted by the order may be rescinded by the Division Director if, in his opinion, conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 7th day of April, 1995.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

A handwritten signature in black ink, appearing to read "William J. Lemay", followed by the initials "m.s." in a cursive script.

WILLIAM J. LEMAY
Director

S E A L

WJL/BES

cc: Oil Conservation Division - Aztec ✓

Ernie Busch

From: Ernie Busch
To: David Catanach
Subject: TEXACO (DHC)
Date: Tuesday, March 28, 1995 7:20AM
Priority: High

JICARILLA C #24
F-27-25N-05W
RECOMMEND: APPROVAL

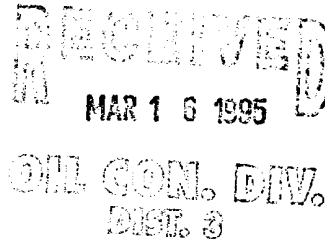


Texaco Exploration and Production Inc

3300 N Butler
Farmington NM 87401

January 23, 1995

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
2040 SOUTH PACHECO
SANTA FE, NEW MEXICO 87505



Attention: David Catanach

**RE: Application for exception to NMOCD Rule 303-A: Downhole Commingle
of Jicarilla C No. 24: 1980' FNL & 1980' FWL, Unit F,
Sec. 27-T25N-R5W, Rio Arriba County, New Mexico**

Dear Mr. Catanach:

Texaco Exploration and Production Inc. respectfully requests approval to downhole commingle the Otero Chacra Gas Pool and the Otero Gallup Oil Pool within the referenced well. The subject well was originally completed in the Otero Gallup in March of 1959. In May of 1966 the well was plugged back and recompleted in the Otero Chacra. The Gallup was producing 3 BOPD and 60-70 MCFD and had cumulative production of 23 MBO and 139 MMCF immediately prior to the plug back. The Chacra zone is currently producing 30 MCFD. We propose to drill out the CIBP set between these zones and downhole commingle the remaining production. We plan on installing a plunger lift system. Please accept the attached information in your consideration of this matter. Downhole commingling will result in economic recovery of additional reserves from two marginally productive zones that would otherwise not be recovered.

If you have any questions concerning this matter please contact Mr. Mark Reinhold at (505) 325-4397, ext 19. Your attention to this matter is greatly appreciated.

Sincerely,

Ted A. Tipton
Operating Unit Manager

MRR/s

Attachments
NMOCD-Aztec
file

(1) **Name and address of the operator:** Texaco Exploration and Production Inc.
3300 N. Butler Suite 100
Farmington, NM 87401

- Lease Name: Jicarilla C
Well Number: 24
Well Location: 1980' FNL & 1980' FWL, Unit F, Sec. 27
T25N-R5W, NMPM
Rio Arriba County, New Mexico
Pools to Commingle: Otero Chacra and Otero Gallup

- Attached (Attachment I, II, III).

- Attachment IV, dated September 8, 1965 is the last C-116 filed for Jicarilla C No. 24 prior to plug back in May of 1966. Cumulative Gallup production is 23 BO and 139 MMCF (state annual reports).

- Production decline curves for both zones attached (attachment V and VI).**

- Chacra and Gallup shut-in pressure data obtained from offset wells during recent (September 1994) packer leakage tests:

<u>Zone</u>	<u>Average, psig</u>	<u>Range, psig</u>	<u># of Wells Tested</u>
Chacra:	299	279-329	6
Gallup:	442	390-494	2

See attached Packer Leakage Tests - Attachment VII
Recent bottom hole pressure data on this well is not available.

- The Chacra zone produces less than 0.5 BPD with very minimal condensate. A ported seating nipple and standing valve (ball and seat) will be installed above a production packer to prevent any buildup of Chacra fluids that might accumulate during an extended shut-in period from entering and logging off the Gallup interval (see wellbore diagram of proposed completion - attachment VIII). The Gallup zone was not producing any water prior to plug back. We also plan on installing a plunger lift system.

Application for Exception to Rule 303-Segregation of production from pools
Requirements Continued.

- (8) A computation showing that the value of the commingled production will not be less than the sum of the values of the individual streams.

<u>Current Otero Chacra Prod.</u>		<u>Anticipated Otero Gallup Production</u>	
Oil, BOPD	0	Oil, BOPD	3
Gas, MCFD	30	Gas, MCFD	60
Water, BWPD	0	Water, BWPD	0

The combined production from the Chacra and Gallup zones will be approximately 90 MCFD, 3 BOPD and 0 BWPD.

- (9) A formula for the allocation of production to each of the commingled zones and a description of the factors or data used in determining such formula.

Using our anticipated rates as shown in item #8 as an example, allocation factors will be calculated as follows:

	<u>Gas</u>	<u>Oil</u>
Chacra	$30/(30+60)=33\%$	$0/(0+3)=0\%$
Gallup	$60/(30+60)=67\%$	$3/(0+3)=100\%$

The actual production data obtained prior to and following the commingling process will be presented to the Aztec NMOCD District office to arrive at allocation factors for splitting the future production stream.

- 10) A statement that all offset operators and, in the case of a well on federal land, the United States Bureau of Land Management, have been notified in writing of the proposed commingling.

Since we operate all wells located in offset spacing units no other operators have been notified of our desire to downhole commingle. An intent sundry was filed with the Bureau of Land Management, Albuquerque District Office, Rio Puerco Resource Area.

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-128
Revised 5/1/57

WELL LOCATION AND ACREAGE DEDICATION PLAT

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

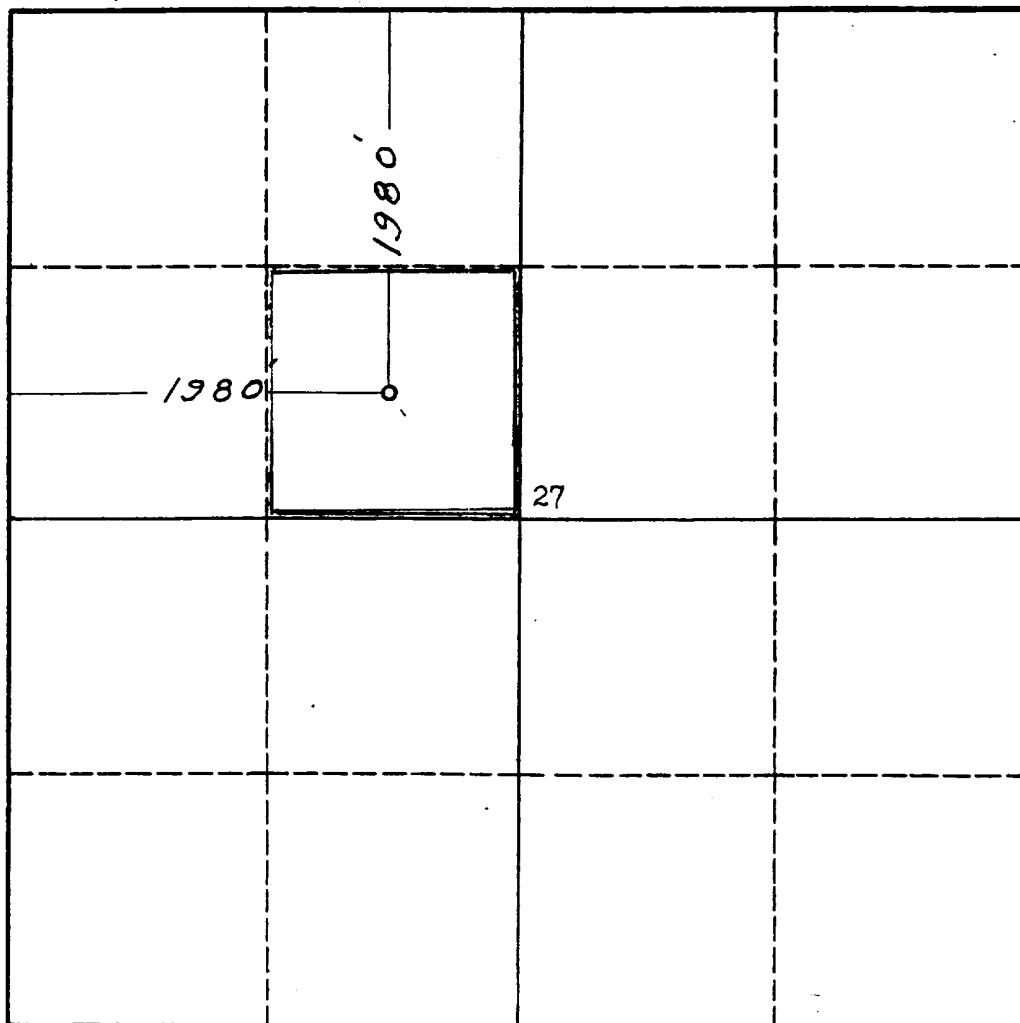
SECTION A

Operator SKELLY OIL COMPANY		Lease JICARILLA		Well No. C-24
Unit Letter F	Section 27	Township 25 NORTH	Range 5 WEST	County RIO ARriba
Actual Footage Location of Well: 1980 feet from the NORTH line and 1980 feet from the WEST line				
Ground Level Elev.	Producing Formation GALLUP	Pool OTERO	Dedicated Acreage: 40 Acres	

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☒ NO ____ . ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES ____ NO ____ . If answer is "yes," Type of Consolidation ____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

SECTION B



CERTIFICATION

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

Name

Position

District Superintendent

Company

SKELLY OIL COMPANY

Date

February 25, 1959

REF. GLO PLAT DATED 4 NOV. 1882

I hereby certify that the well location shown on the plat in SECTION B 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

23 February 1959

Registered Professional Engineer and/or Land Surveyor

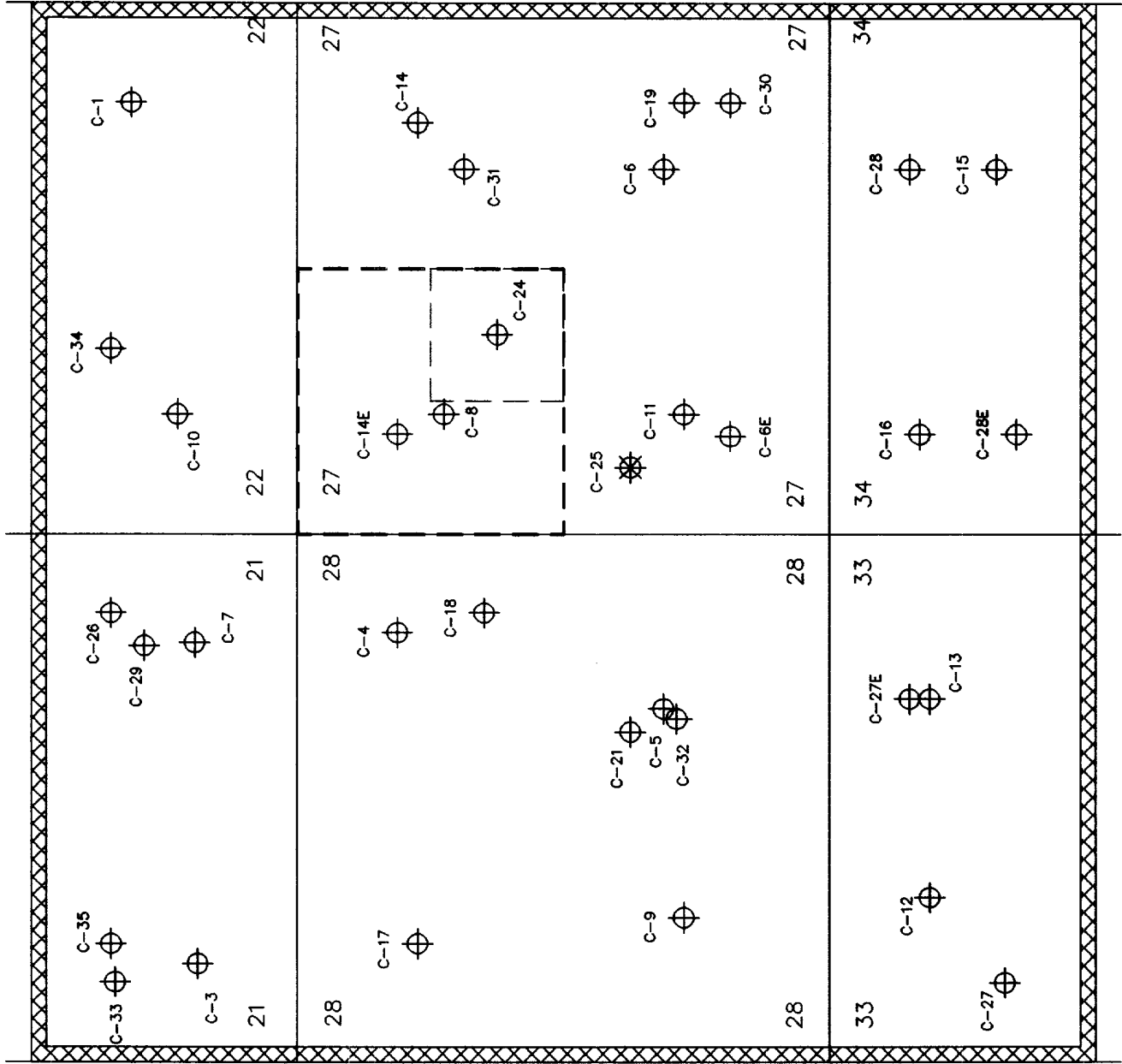
James P. Lease
James P. Lease

Certificate No.

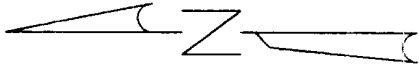
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0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

JICARILLA "C" LEASE



Attachment III



T25N, R5W



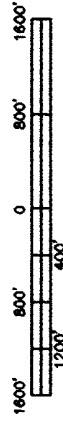
OTERO GALLUP SPACING UNIT



OTERO CHACRA SPACING UNIT



TEXACO OPERATED LEASE BOUNDARY



FARMINGTON OPERATING UNIT
TEXACO
DENVER, COLORADO

AREA: JICARILLA APACHE INDIAN RESERVATION
RIO ARRIBA CO., NEW MEXICO
DESCRIPTION: JICARILLA "C" LEASE
T. 25 N. - R. 05 W.

DATE: 1-95	BY: RSD	REVISED:
INTERVAL:	SCALE: 1"=	

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

Blackman 211
C-116
Revised 1-1-65

SHELLY OIL COMPANY		County		OTERO-OLLUP		HIC ARRIE!							
LEASE NAME		WELL NO.		LOCATION		DATE OF TEST		TYPE OF TEST - (X)		Completion		Special	

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

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

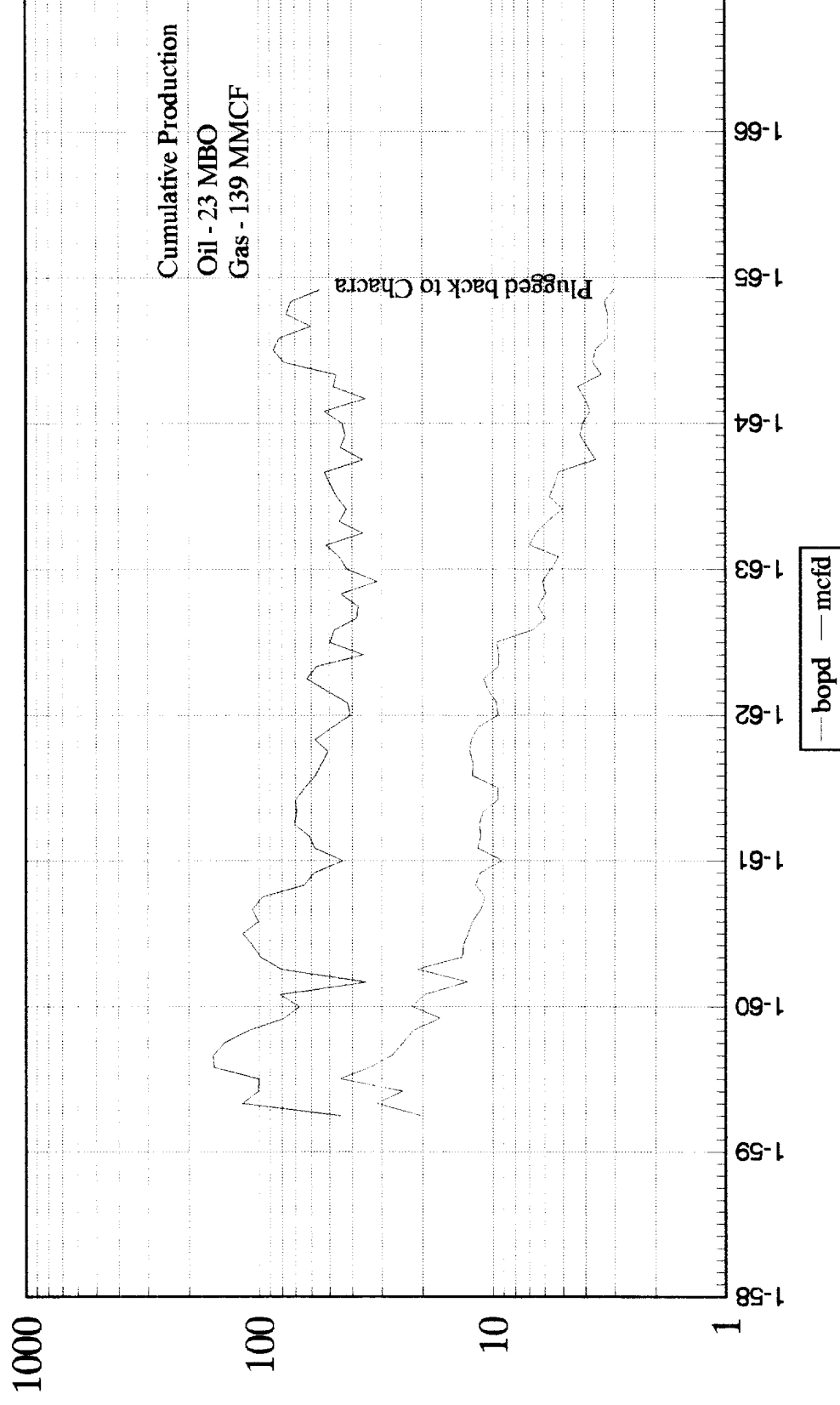
(Orig. signed by Frank Howard)
(Signature)
Sr. Production Engineer

September 8, 1965

Attachment V

Jicarilla C #24 Otero Gallup Production

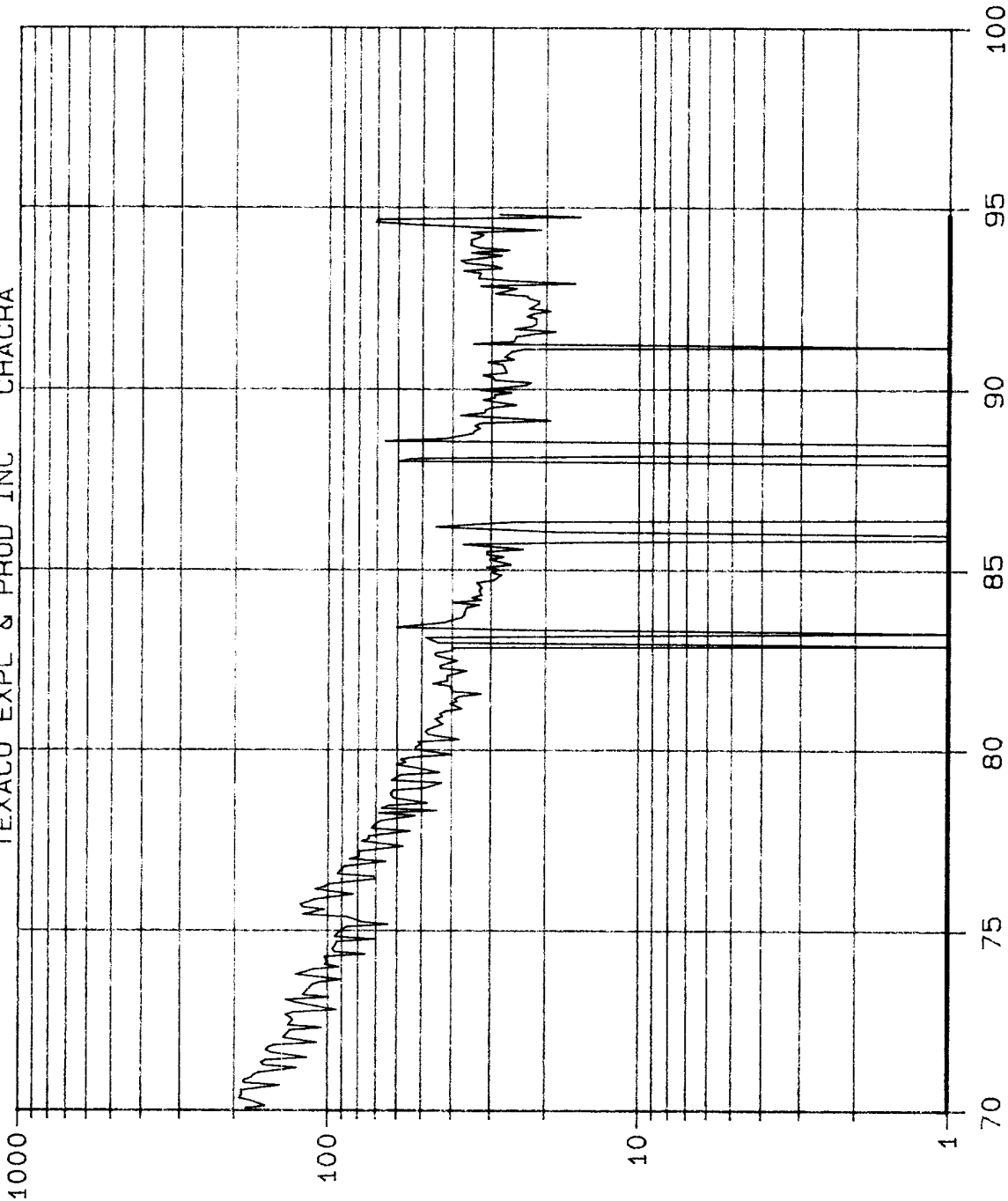
From NMOCD Annual Reports



MRR 11/22/94

Attachment VI

JICARILLA C 000024 OTERO (CHACRA) CK
TEXACO EXPL & PROD INC CHACRA



LEASE DATA
LSE 25N05W27F01
FLD 8054998
OPER 158628
ZONE
25N-5W-27
COUNTY 039
STATE 30

STATUS 10-94
CO 0 MBO
CG 734 MMCF
CW 0 MBW
BOPD 0
BWPD 0
MCFPD 28
WELLS 1
CI 0 MBWI
BWIPD 0

YEARS

Attachment VII-a

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator TEXACO E & P INC.Lease JICARILLA CWell
No. 9

Location

of Well: Unit K Sec. 28 Twp. 25N Rge. 5W County RIO ARriba

	NAME OF RESERVOIR OR POOL	TYPE OF PROD. (OIL OR GAS)	METHOD OF PROD. (Flow or Art. Lift)	PROD. MEDIA (Tbg. or Csg.)
Upper Completion	BLANCO PICTURED CLIFFS SQ.	GAS	SHUTIN	CSG.
Lower Completion	OTERO CHACRA	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		
9-9-94	24 HRS.	0	290		BOTH ZONES SHUT IN
9-10-94	48 HRS.	0	311		. . . .
9-11-94		0	327		. . . .
9-12-94	72 HRS.	0	328		
9-13-94	96 HRS.	0	329		. . . .
9-14-94	120 HRS.	0	329		
9-15-94	144 HRS.	0	330		. . . .
9-16-94	168 HRS.	0	330		UPPER SHUT IN; LOWER FLOWING
9-17-94	192 HRS.	0	330		UPPER SHUTIN : LOWER FLOWING

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)

Attachment VII-6

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator TEXACO E & P INC. Lease JICARILLA C Well No. 10Location of Well: Unit M Sec. 22 Twp. 25N Rge. 5W County RIO ARriba

	NAME OF RESERVOIR OR POOL	TYPE OF PROD. (OIL OR GAS)	METHOD OF PROD. (Flow or Art. Lift)	PROD. MED. (Tbg. or Csg.)
Upper Completion	BLANCO PICTURED CLIFFS SO.	GAS	SHUTIN	CSG.
Lower Completion	OTERO CHACRA	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		
9-9-94	24 HRS.	183	275		BOTH ZONES SHUT IN
9-10-94	48 HRS.	196	288		. . . .
9-11-94		200	291		. . . .
9-12-94	72 HRS.	203	293		. . . .
9-13-94	96 HRS.	206	295		. . . .
9-14-94	120 HRS.	208	296		. . . .
9-15-94	144 HRS.	210	297		. . . .
9-16-94	168 HRS.	211	95		UPPER SHUT IN; LOWER FLOWING
9-17-94	192 HRS.	212	97		UPPER SHUTIN : LOWER FLOWING

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)

Attachment VII - C

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator TEXACO E & P INC. Lease JICARILLA C Well No. 11Location of Well: Unit L Sec. 27 Twp. 25N Rge. 5W County RIO ARriba

	NAME OF RESERVOIR OR POOL	TYPE OF PROD. (OIL OR GAS)	METHOD OF PROD. (Flow or Art. Lift)	PROD. MED. (Tbg. or Csg.)
Upper Completion	BLANCO PICTURED CLIFFS SO.	GAS	SHUTIN	CSG.
Lower Completion	OTERO CHACRA	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		
9-9-94	24 HRS.	92	265		BOTH ZONES SHUT IN
9-10-94	48 HRS.	95	289		. . . .
9-11-94		100	291		. . . .
9-12-94	72 HRS.	104	293		. . . .
9-13-94	96 HRS.	108	295		. . . .
9-14-94	120 HRS.	112	296		. . . .
9-15-94	144 HRS.	114	296		. . . .
9-16-94	168 HRS.	115	110		UPPER SHUT IN; LOWER FLOWING
9-17-94	192 HRS.	116	106		UPPER SHUTIN : LOWER FLOWING

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)

RECEIVED
OCT 13 1994

Attachment VII - d

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator TEXACO E & P INC. Lease JICARILLA C Well No. 13Location of Well: Unit B Sec. 33 Twp. 25N Rge. 5W County RIO ARriba

	NAME OF RESERVOIR OR POOL	TYPE OF PROD. (OIL OR GAS)	METHOD OF PROD. (Flow or Art. Lift)	PROD. MED. (Tbg. or Csc)
Upper Completion	BLANCO PICTURED CLIFFS SOUTH	GAS	FLOW	CSG.
Lower Completion	OTERO CHARCA	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		
9-9-94	24 HRS.	154	84		BOTH ZONES SHUT IN
9-10-94	48 HRS.	157	170		. . . .
9-11-94		160	226		. . . .
9-12-94	72 HRS.	163	240		
9-13-94	96 HRS.	169	253		. . . .
9-14-94	120 HRS.	170	267		
9-15-94	144 HRS.	171	279		. . . .
9-16-94	168 HRS.	172	32		UPPER SHUT IN; LOWER FLOWING
9-17-94	192 HRS.	172	37		UPPER SHUT IN : LOWER FLOWING

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)

RECEIVED
OCT 17 1994
OIL & GAS DIVISION
NEW MEXICO DEPARTMENT OF ENERGY & MINERALS

Attachment VII-e

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator TEXACO E & P INC.Lease JICARILLA CWell
No. 14E

Location

of Well: Unit D Sec. 27 Twp. 25N Rge. 5W County RIO ARriba

	NAME OF RESERVOIR OR POOL	TYPE OF PROD. (OIL OR GAS)	METHOD OF PROD. (Flow or Art. Lift)	PROD. MED. (Tbg. or C.)
Upper Completion	OTERO GALLUP	OIL	FLOW	TRG
Lower Completion	BASIN DAKOTA	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		
9-9-94	24 HRS.	389	322		BOTH ZONES SHUT IN
9-10-94	48 HRS.	420	328		. . . . .
9-11-94	72 HRS.	437	330		. . . . .
9-12-94	96 HRS.	457	335		. . . . .
9-13-94	120 HRS.	479	336		. . . . .
9-14-94	144 HRS.	487	30		UPPER SHUT IN; LOWER FLOWING
9-15-94	168 HRS.	494	32		UPPER SHUT IN; LOWER FLOWING

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)

Attachment VII-f

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator TEXACO E & P INC. Lease JICARILLA C Well No. 15Location of Well: Unit g Sec. 34 Twp. 25N Rge. 5W County RIO ARriba

	NAME OF RESERVOIR OR POOL	TYPE OF PROD. (OIL OR GAS)	METHOD OF PROD. (Flow or Art. Lift)	PROD. MED. (Tbg. or Csg.)
Upper Completion	BLANCO PICTURED CLIFFS SOUTH	GAS	FLOW	CSG.
Lower Completion	OTERO CHARCA	GAS	FLOW	TBG.

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Completion	Hour, Date shut-in	Length of time shut-in	St press. psig	Stabilized (Yes or No)
Lower Completion	Hour, Date shut-in	Length of time shut-in	St 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		
9-9-94	24 HRS.	85	277		BOTH ZONES SHUT IN
9-10-94	48 HRS.	89	279		. . . .
9-11-94		95	280		. . . .
9-12-94	72 HRS.	98	281		
9-13-94	96 HRS.	105	282		. . . .
9-14-94	120 HRS.	107	283		
9-15-94	144 HRS.	109	284		. . . .
9-16-94	168 HRS.	111	46		UPPER SHUT IN; LOWER FLOWING
9-17-94	192 HRS.	112	42		UPPER SHUT IN : LOWER FLOWING

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

Attachment VII - g

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator TEXACO E & P INC. Lease JICARILLA C Well No. 17Location of Well: Unit d Sec. 28 Twp. 25N Rge. 5W County RIO ARRIEA

	NAME OF RESERVOIR OR POOL	TYPE OF PROD. (OIL OR GAS)	METHOD OF PROD. (Flow or Art. Lift)	PROD. MED. (Tbg. or Cs)
Upper Completion	BLANCO PICTURED CLIFFS SOUTH	GAS	FLOW	CSG.
Lower Completion	OTERO CHARCA	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		
9-9-94	24 HRS.	135	294		BOTH ZONES SHUT IN
9-10-94	48 HRS.	137	299		. . . .
9-11-94		137	304		. . . .
9-12-94	72 HRS.	138	306		
9-13-94	96 HRS.	138	307		. . . .
9-14-94	120 HRS.	139	308		
9-15-94	144 HRS.	139	309		. . . .
9-16-94	168 HRS.	140	114		UPPER SHUT IN; LOWER FLOWING
9-17-94	192 HRS.	140	112		UPPER SHUT IN; LOWER FLOWING

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)

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Well
No. 27EOperator TEXACO E & P INC.Lease JICARILLA C

Location

of Well: Unit B Sec. 33 Twp. 25N Rge. 5W County RIO ARriba

	NAME OF RESERVOIR OR POOL	TYPE OF PROD. (OIL OR GAS)	METHOD OF PROD. (Flow or Art. Lift)	PROD. MED'L (Tbq. or Csg)
Upper Completion	OTERO GALLUP	GAS	FLOW	TBG.
Lower Completion	BASIN DAKOTA	GAS	FLOW	TBG.

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Completion	Hour, Date shut-in	Length of time shut-in	Si press. psig	Stablized (Yes or N)
Lower Completion	Hour, Date shut-in	Length of time shut-in	Si press. psig	Stablized (Yes or N)

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		
9-9-94	24 HRS.	279	702		BOTH ZONES SHUT IN
9-10-94	48 HRS.	320	718		. . . .
9-11-94		327	725		. . . .
9-12-94	72 HRS.	346	739		
9-13-94	96 HRS.	359	745		. . . .
9-14-94	120 HRS.	367	748		
9-15-94	144 HRS.	375	750		. . . .
9-16-94	168 HRS.	385	360		UPPER SHUT IN; LOWER FLOWING
9-17-94	192 HRS.	390	369		UPPER SHUTIN : LOWER FLOWING

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