

Ernie Busch

From: Ernie Busch
To: David Catanach
Subject: TEXACO EXPL & PROD INC. (DHC)
Date: Tuesday, May 17, 1994 7:15AM
Priority: High

WELL NAME: LYDIA RENTZ #11
LOCATION: O-19-25N-03W
RECOMMEND: APPROVAL

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

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

OPERATOR'S MONTHLY REPORT
Form C-115 - Revised 1/1/89
See Distribution and Code
Information Bottom of Page

Company or Operator Robert C. Dintelman

Address 3109 Mesa Dr. Farmington, NM 87401 For Month, 09/91 Page 1 of 1
New Mexico

POOL NAME (Underline) *Lease Name WELL NO. UNIT SEC. TWP RNG	WELL STATUS	INJECTION		PRODUCTION			DISPOSITION OF GAS			DISPOSITION OF OIL					
		VOLUME	PRESS.	BARRELS OIL/COND. PRODUCED	BARRELS OF WATER PRODUCED	GAS PRODUCED (MCF)	DAYS PROD.	SOLD	TRANS- POR- TER	OTHER	OIL ON HAND AT BEG. OF MONTH	BARRELS TO TRANS- PORTER	TRANS- POR- TER	OTHER	OIL ON HAND AT END OF MONTH
FULCHER KUTZ PICTURED	CLIFF (GAS)														
Viles															
11 30 29 11				0	0	0	0	0			0	0			0
Lease Total				0	0	0	0	0			0	0			0

RECEIVED
OCT 22 1991
OIL CON. DIV
DIST. 3

DISTRIBUTION
Original OCD Santa Fe
One Copy OCD Dist. Office
in which lease is located
One Copy to Transporter (6)
DATE DUE
To be postmarked by 24th day of next
succeeding month.

STATUS CODE
F..... FLOWING
P..... PUMPING
G..... GAS LIFT
S..... SHUT IN
T..... TEMP ABANDONED
L..... INJECTION
D..... DISCONTINUED

OTHER GAS DISPOSITION CODE
X..... USED OFF LEASE
D..... USED FOR DRILLING
G..... GAS LIFT
L..... LOST (MCF ESTIMATED)
E..... EXPLANATION ATTACHED
R..... REPRESSURING OR
PRESSURE MAINTENANCE
V..... VENTED
U..... USED ON LEASE

OTHER OIL DISPOSITION CODE
C..... CIRCULATING OIL
L..... LOST
S..... SEDIMENTATION (G & S W)
E..... EXPLANATION ATTACHED
T..... TIE-OUT

I HEREBY CERTIFY THAT THE INFORMATION GIVEN IS TRUE AND
COMPLETE TO THE BEST OF MY KNOWLEDGE

TYPED NAME Jo Dintelman 505-325-6804
PHONE NUMBER

Agent

POSITION

SIGNATURE Robert C. Dintelman 10/21/91
DATE



Texaco Exploration and Production Inc

3300 N Butler
Farmington NM 87401

March 25, 1994

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
PO BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504

Attention: David Catanach

RE: Application for exception to NMOCD Rule 303-A: Downhole Commingle
of Lydia Rentz No. 11: 840' FSL & 1820' FEL, Unit O,
Sec. 19-T25N-R3W, NMPM, Rio Arriba County, New Mexico

Dear Mr. Catanach:

Texaco Exploration and Production Inc. respectfully requests administrative approval to downhole commingle the Blanco Mesa Verde Gas Pool and the West Lindrith Gallup-Dakota Oil Pool within the referenced well. This request is based on offset performance and the expected performance of the Mesa Verde in the subject well. Please accept the attached information in your consideration of this matter. All offset operators were notified of this request by certified mail and were sent a copy of the supporting information (copy of return receipt cards attached).

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
Area Manager

RECEIVED
APR 13 1994
OIL CON. DIV.
DIST. 3

MRR/s

Attachments
NMOCD-Aztec
file

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- 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. ☐ Addressee's Address

2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Conoco Inc.
7415 E. Main
Farmington, NM 87402

4a. Article Number
P 337 999 185

4b. Service Type

☐ Registered ☐ Insured

☒ Certified ☐ COD

☐ Express Mail ☒ Return Receipt for Merchandise

7. Date of Delivery
4/11/94

5. Signature (Addressee)

6. Signature (Agent)
Amel Christner

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 ★ U.S.G.P.O. : 1992-307-530 **DOMESTIC RETURN RECEIPT**

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- 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. ☐ Addressee's Address

2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

MW Petroleum Corp.
1700 Lincoln St., Ste 1900
Denver, CO 80203

4a. Article Number
P 337 999 191

4b. Service Type

☒ Registered ☐ Insured

☒ Certified ☐ COD

☐ Express Mail ☒ Return Receipt for Merchandise

7. Date of Delivery
APR 10 4 1994

5. Signature (Addressee)

6. Signature (Agent)
Amel

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 ★ U.S.G.P.O. : 1992-307-530 **DOMESTIC RETURN RECEIPT**

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- 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. ☐ Addressee's Address

2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Southland ROYALTY Company
P.O. Box 4239
2919 Allen PKWY
Houston, TX 77210

4a. Article Number
P 337 994 917

4b. Service Type

☐ Registered ☐ Insured

☒ Certified ☐ COD

☐ Express Mail ☒ Return Receipt for Merchandise

7. Date of Delivery
APR 5 1994

5. Signature (Addressee)

6. Signature (Agent)
Daniel Mann #104

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 ★ U.S.G.P.O. : 1992-307-530 **DOMESTIC RETURN RECEIPT**

Application for Exception to Rule 303-SEGREGATION OF PRODUCTION FROM POOLS

- (1) **Name and address of the operator:** Texaco Exploration and Production Inc.
3300 N. Butler Suite 100
Farmington, NM 87401
- (2) **Lease name, well number, well location, name of the pools to be commingled.**
- Lease Name: Lydia Rentz
Well Number: 11
Well Location: 840' FSL & 1820' FEL, Unit O, Sec. 19
T25N-R3W, NMPM
Rio Arriba County, New Mexico
Pools to Commingle: Blanco Mesa Verde and West Lindrith Gallup - Dakota
- (3) **A plat of the area showing the acreage dedicated to the well and the ownership of all offsetting leases.**
- Attached (Attachment I, II, III)
- (4) **A current (within 30 days) 24-hour productivity test on Division Form C-116 showing the amount of oil, gas and water produced from each zone.**
- The C-115 for Lydia Rentz No. 11 Gallup Dakota production is attached (Attachment IV). No production data exists for the proposed Mesa Verde completion. However, attached (Attachment V-A and V-B) are C-115's showing production from the nearest Mesa Verde completions. The Mesa Verde completion in the Lydia Rentz No. 11 is expected to perform in a similar manner.
- (5) **A production decline curve for both zones showing that for a period of at least one year a steady rate of decline has been established for each zone which will permit a reasonable allocation of the commingled production to each zone for statistical purposes. (This requirement may be dispensed with in the case of a newly completed or recently completed well which has little or no production history. However, a complete resume of the well's completion history including description of treating, testing, etc., of each zone, and a prognostication of future production from each zone shall be submitted.)**
- Lydia Rentz No. 11 Gallup/Dakota production data attached (attachment VI).
- Mesa Verde - New completion, no production history is available. Decline curves of offsets Lydia Rentz No. 8, Lydia Rentz No. 4, C. W. Roberts 3 and C. W. Roberts No. 3A are attached (Attachments VII-A, VII-B, VII-C and VII-D). The Mesa Verde completion in the Lydia Rentz No. 11 is expected to perform in a similar manner.
- (6) **Estimated bottomhole pressure for each artificially lifted zone. A current (within 30 days) measured bottomhole pressure for each zone capable of flowing.**

The Mesa Verde and Gallup/Dakota bottom hole pressure is estimated based on offset data.

Gallup/Dakota: 800 psi (attachment IX)

Actual Mesa Verde P_{BH} will be obtained using shut-in testing upon completion.

(7) A description of the fluid characteristics of each zone showing that the fluids will not be incompatible in the well-bore.

The fluids have no abnormal components that would prohibit commingling, or promote the creation of emulsions or scale. The major components of the produced waters are sodium, chlorides and bicarbonates. Several offsets are commingled in the proposed zones and no production problems have occurred.

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 Gallup/Dakota Prod.</u>		<u>Anticipated Mesa Verde Production</u>	
Oil, BOPD	30	Oil, BOPD	0
Gas, MCFD	45	Gas, MCFD	600
Water, BWPD	5	Water, BWPD	1

The combined production from the Gallup/Dakota and Mesa Verde Formations will be approximately 645 MCFD, 30 BOPD and 6 BWPD.

The mechanics of the wellbore are not conducive to a "dual" completion. Given the 5-1/2" casing, dualling would require that the Gallup/Dakota be pumped under a packer and the Mesa Verde be flowed up the casing-tubing annulus. Pumping the Gallup/Dakota under a packer would be inefficient due to gas locking. Flowing the Mesa Verde up the annulus would be inefficient due to wellbore loading and the inability to swab. It therefore requested that commingling be approved.

- (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>	<u>Water</u>
Mesa Verde	$600/645 = 93\%$	$30/30 = 100\%$	$1/6 = 17\%$
Gallup/Dakota	$45/645 = 7\%$	$0/30 = 0\%$	$5/6 = 83\%$

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.

All offset operators and the BLM have been notified. Please find attached, signed return receipt cards from each operator.

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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 & Production Inc.			Lease LYDIA RENTZ		Well No. 11
Unit Letter O	Section 19	Township 25N	Range 3W	County NMPM	Rio Arriba
Actual Footage Location of Well: 840 feet from the South line and 1820 feet from the East line					
Ground level Elev. 7254'	Producing Formation Mesa Verde		Pool Blanco Mesa Verde	Dedicated Acreage: 320 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.?

☐ 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 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

Printed Name

Ted A. Tipton

Position

Area Manager

Company

Texaco E & P Inc.

Date

1-17-93

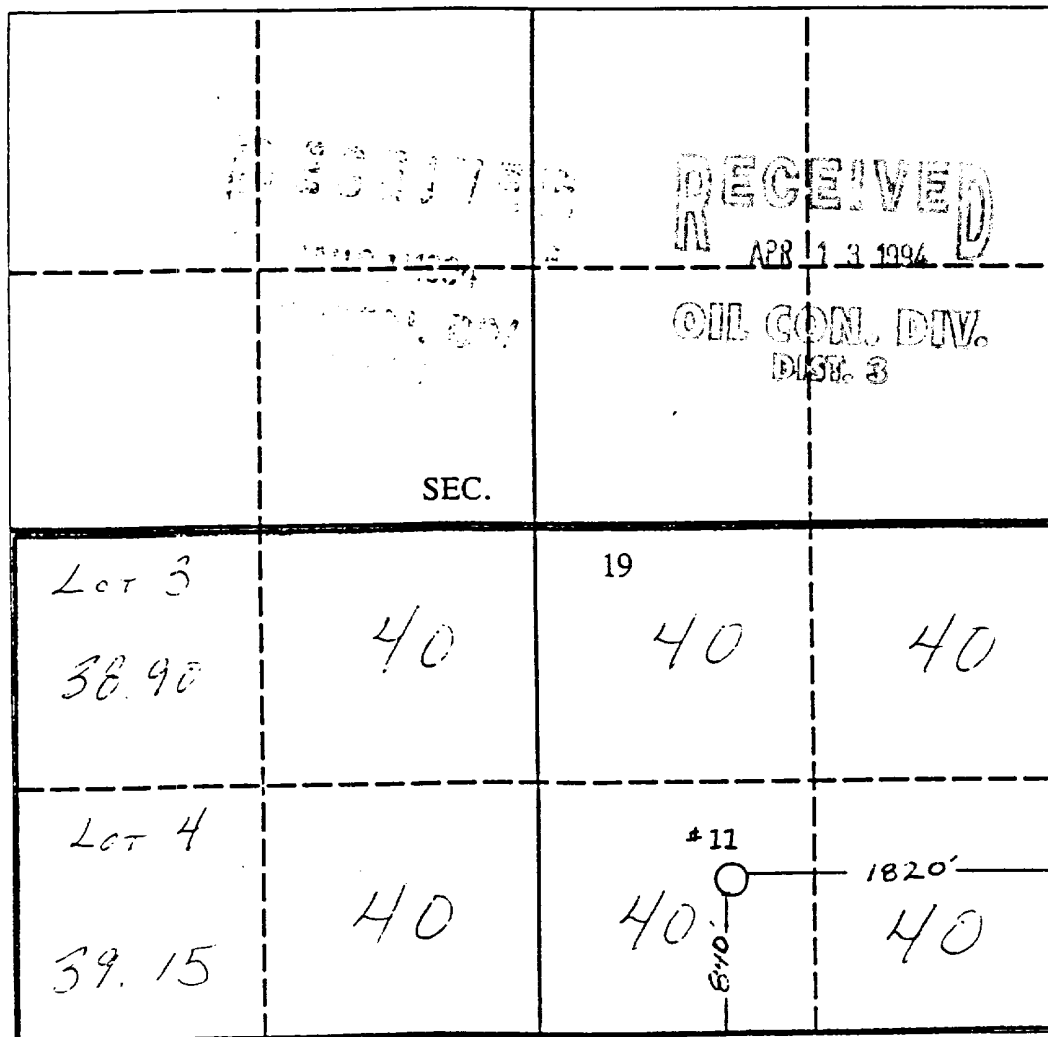
SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes 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

Attachment II

**OFFSET OPERATORS
LYDIA RENTZ # 11
SEC. 19 T25N / R03W**

R 04 W		R 03 W
13 CONOCO SOUTHLAND ROYALTY	SOUTHLAND ROYALTY MW PETROLEUM	TEXACO 18
		TEXACO 17
24 CONOCO MW PETROLEUM	SOUTHLAND ROYALTY MW PETROLEUM	TEXACO 19
		TEXACO 20
25 CONOCO MW PETROLEUM	SOUTHLAND ROYALTY MW PETROLEUM	LYDIA RENTZ #11
		TEXACO 30
36 CONOCO MW PETROLEUM	SOUTHLAND ROYALTY MW PETROLEUM	TEXACO 29
		TEXACO 30

Attachment III

**Offset Operators
LYDIA RENTZ #11**

Conoco Inc.
Petroleum Center Bldg., Ste. 115
501 Airport Dr.
Farmington, NM 87401-2697
(505) 327-9557

MW Petroleum Corp. (Apache Corporation)
Ste. 1900
1700 Lincoln St.
Denver, CO 80203
(303) 837-5300

Southland Royalty Company
P.O. Box 4239
2919 Allen Pkwy.
Houston, TX 77210
(713) 831-1600

STRICT I
Box 1980, Hobbs, NM 88240
STRICT II
Drawer DD, Artesia, NM 88210
STRICT III
000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals, and Natural Resources Department
OIL CONSERVATION DIVISION
P.O. BOX 2088
Santa Fe, New Mexico 87504-2088

OPERATOR'S MONTHLY REPORT
Form C-115 - Revised 1/1/77
See Distribution and Copy Information Bottom of Page

Company Operator **TEXACO EXPLORATION & PRODUCTION INC.** Address **3300 NORTH BUTLER FARMINGTON, NM 87401** Zip **87401** For Month, Year **02 1994** Page **8** of **125**

POOL NAME (Underline) Lease Name		INJECTION		PRODUCTION			DISPOSITION OF GAS			DISPOSITION OF OIL						
WELL STATUS	VOLUME	PRESS.	BARRELS OIL COND. PRODUCED	BARRELS OF WATER PRODUCED	GAS PRODUCED (MCF)	DAYS PROD	SOLD	TRANS-PORTER	OTHER	CODE	OIL ON HAND AT BEG. OF MONTH	BBL'S TO TRANS-PORTER	TRANS-PORTER	OTHER	CODE	OIL ON HAND AT END OF MONTH
INDRITH GALLUP-DAKOTA, WEST RENTZ, LYDIA																
0-039-22733 7 C 20 25N 3W P	0	0	203	0	1854	28										
0-039-25316 8 N 20 25N 3W P	0	0	1348	1260	4995	28										
0-039-25303 11 D 19 25N 3W P	0	0	1080	700	1345	28										
	0		2631	1960	8194		8089	EPG	105	U	1009	2657	MDI	0		9

STATUS CODE
F FLOWING
P PUMPING
G GAS LIFT
S SHUT IN
T TEMP. ABANDONED
I INJECTION
D DISCONTINUED

"OTHER" GAS DISPOSITION CODE
X USED OFF LEASE
D USED FOR DRILLING
G GAS LIFT
L LOST (MCF ESTIMATED)
E EXPLANATION ATTACHED
R REPRESSURING OR PRESSURE MAINTENANCE
V VENTED

"OTHER" OIL DISPOSITION CODE
C CIRCULATING OIL
L LOST
S SEDIMENTATION (BS & W)
E EXPLANATION ATTACHED
T THEFT

I HEREBY CERTIFY THAT THE INFORMATION GIVEN IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE
T. A. TIPTON
(TYPED NAME)
AREA MANAGER
(POSITION)
505-325-4397
(PHONE NUMBER)
03-23-
(DATE)

STRICT I
O Box 1980, Hobbs, NM 88240
STRICT II
O Drawer DD, Artesia, NM 88210
STRICT III
300 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals, and Natural Resources Department
OIL CONSERVATION DIVISION
P.O. BOX 2088
Santa Fe, New Mexico 87504-2088

OPERATOR'S MONTHLY REPORT
Form C-115 - Revised 1/1
See Distribution and Co
Information Bottom of Pa

Company Operator **TEXACO EXPLORATION & PRODUCTION INC.**

Address **3300 NORTH BUTLER
FARMINGTON, NM 87401**

Zip **87401**

For Month, Year **02 1984** Page **82** of **121**

POOL NAME (Underline)		INJECTION			PRODUCTION			DISPOSITION OF GAS			DISPOSITION OF OIL							
Lease Name		WELL STATUS	VOLUME	PRESS.	BARRELS OIL COND. PRODUCED	BARRELS OF WATER PRODUCED	GAS PRODUCED (MCF)	DAYS PROD	SOLD	TRANS POR-TER	OTHER	CODE	OIL ON HAND AT BEG. OF MONTH	BBL. TO TRANS-PORTER	TRANS POR-TER	OTHER	CODE	OIL ON HAND END OF MONTH
NO. WELL NO. UNIT SEC. TWP. RNG.																		
LANCO MESAVERDE (PRORATED GAS)																		
RENTZ, LYDIA																		
10-039-22733	7 C 20 25N 3W	S	0	0	0	0	0	0										
10-039-22970	8 C 19 25N 3W	P	0	0	1	0	6466	28										
			0		1	0	6466		6466	EPG	0		188	0			0	

DISTRIBUTION Original OCD Santa Fe Copy OCD Dist. Office Copy to Transporter (s)		STATUS CODE F FLOWING P PUMPING G GAS LIFT S SHUT IN T TEMP. ABANDONED I INJECTION D DISCONTINUED		"OTHER" GAS DISPOSITION CODE X USED OFF LEASE D USED FOR DRILLING G GAS LIFT L LOST (MCF ESTIMATED) E EXPLANATION ATTACHED R REPRESSURING OR V VENTED		"OTHER" OIL DISPOSITION CODE C CIRCULATING OIL L LOST S SEDIMENTATION (BS & W) E EXPLANATION ATTACHED T THEFT		I HEREBY CERTIFY THAT THE INFORMATION GIVEN IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE T. A. TIPTON (TYPED NAME) AREA MANAGER (POSITION) 03-23- (DATE)		505-325-4397 (PHONE NUMBER)	
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OPERATOR'S MONTHLY REPORT

Form C-115 - Revised 1/11
See Distribution and Co
Information Bottom of Pa

STRICT I
O Box 1980, Hobbs, NM 88240
STRICT II
O Drawer DD, Artesia, NM 88210
STRICT III
300 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals, and Natural Resources Department
OIL CONSERVATION DIVISION
P.O. BOX 2088
Santa Fe, New Mexico 87504-2088

Company Operator TEXACO EXPLORATION & PRODUCTION INC. Address 3300 NORTH BUTLER FARMINGTON, NM 87401 Zip 87401 For Month, Year 02 1994 Page 83 of 125

POOL NAME (Underline) Lease Name		INJECTION			PRODUCTION			DISPOSITION OF GAS			DISPOSITION OF OIL					
WELL STATUS	VOLUME	PRESS.	BARRELS OIL/COND. PRODUCED	BARRELS OF WATER PRODUCED	GAS PRODUCED (MCF)	DAYS PROD	SOLD	TRANS. PORTER	OTHER	CODE	OIL ON HAND AT BEG. OF MONTH	BBL. TO TRANS-PORTER	TRANS. PORTER	OTHER	CODE	OIL ON HAND / END OF MONTH
ILANCO MESAVERDE (PRORATED GAS)																
ROBERTS, C. W.																
10-039-05988	3	O 18 25N 3W	P	0	0	0	28	2055	28							
10-039-22732	3A	L 18 25N 3W	S	0	0	0	0	0	0							
10-039-22731	6	G 18 25N 3W	P	0	18	0	28	2236	28							
10-039-22784	6A	E 18 25N 3W	S	0	0	0	0	0	0							
10-039-23102	7	J 17 25N 3W	F	0	21	0	280	2213	28							
10-039-23101	8	E 17 25N 3W	S	0	0	0	0	0	0							

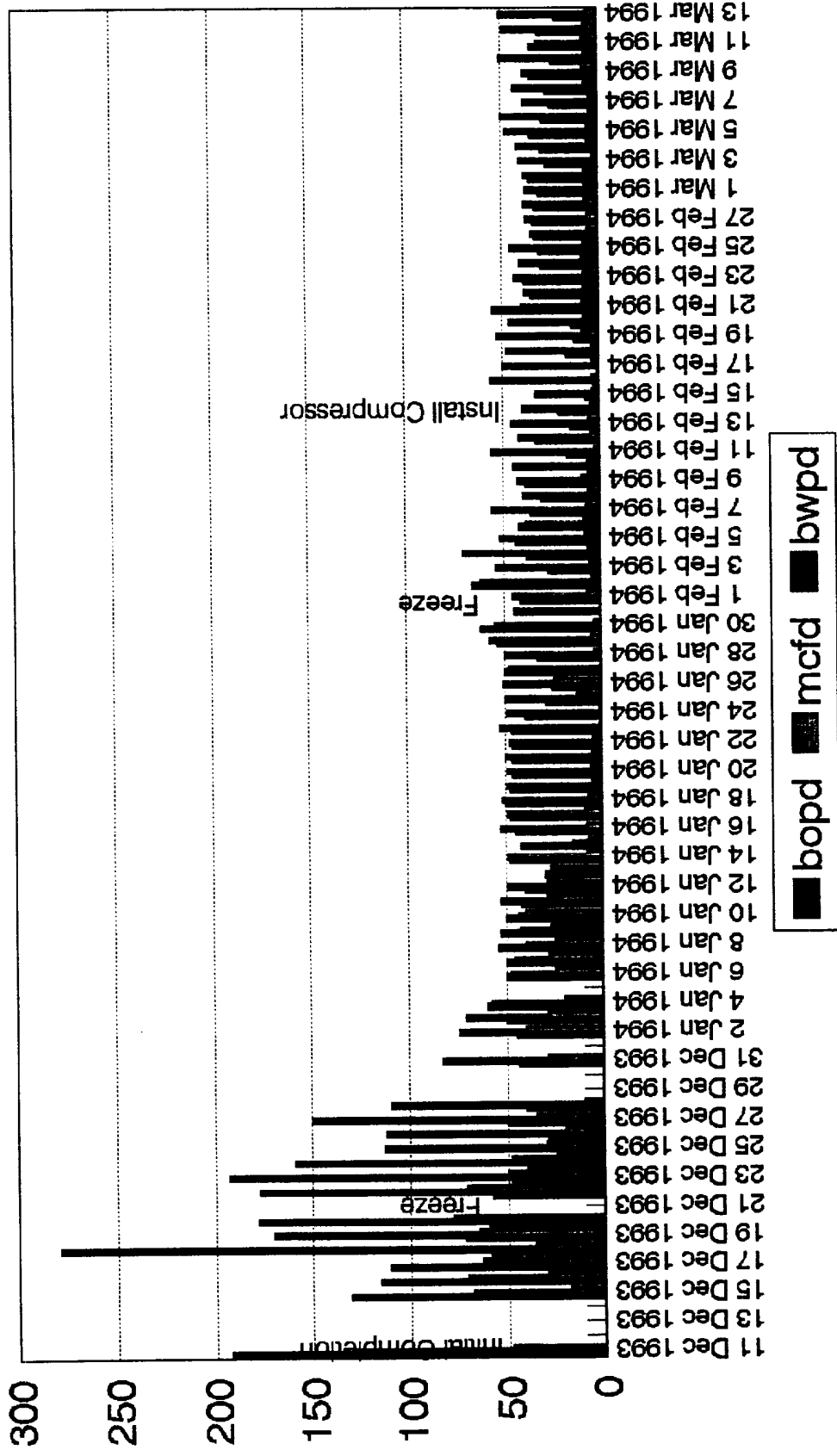
6438 EPG 65 U 629 0 0																

I HEREBY CERTIFY THAT THE INFORMATION GIVEN IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE																
T. A. TIPTON (TYPED NAME) 505-325-439 (PHONE NUMBER)																
AREA MANAGER (POSITION)																
OTHER: OIL DISPOSITION CODE C CIRCULATING OIL L LOST S SEDIMENTATION (BS & W) E EXPLANATION ATTACHED T THEFT																
OTHER: GAS DISPOSITION CODE X USED OFF LEASE D USED FOR DRILLING G GAS LIFT L LOST (MCF ESTIMATED) E EXPLANATION ATTACHED R REPRESSURING OR V VENTED M MAINTENANCE																
STATUS CODE F FLOWING P PUMPING G GAS LIFT S SHUT IN T TEMP. ABANDONED I INJECTION D DISCONTINUED																
DATE DUE to be postmarked by 24th day of next succeeding month																

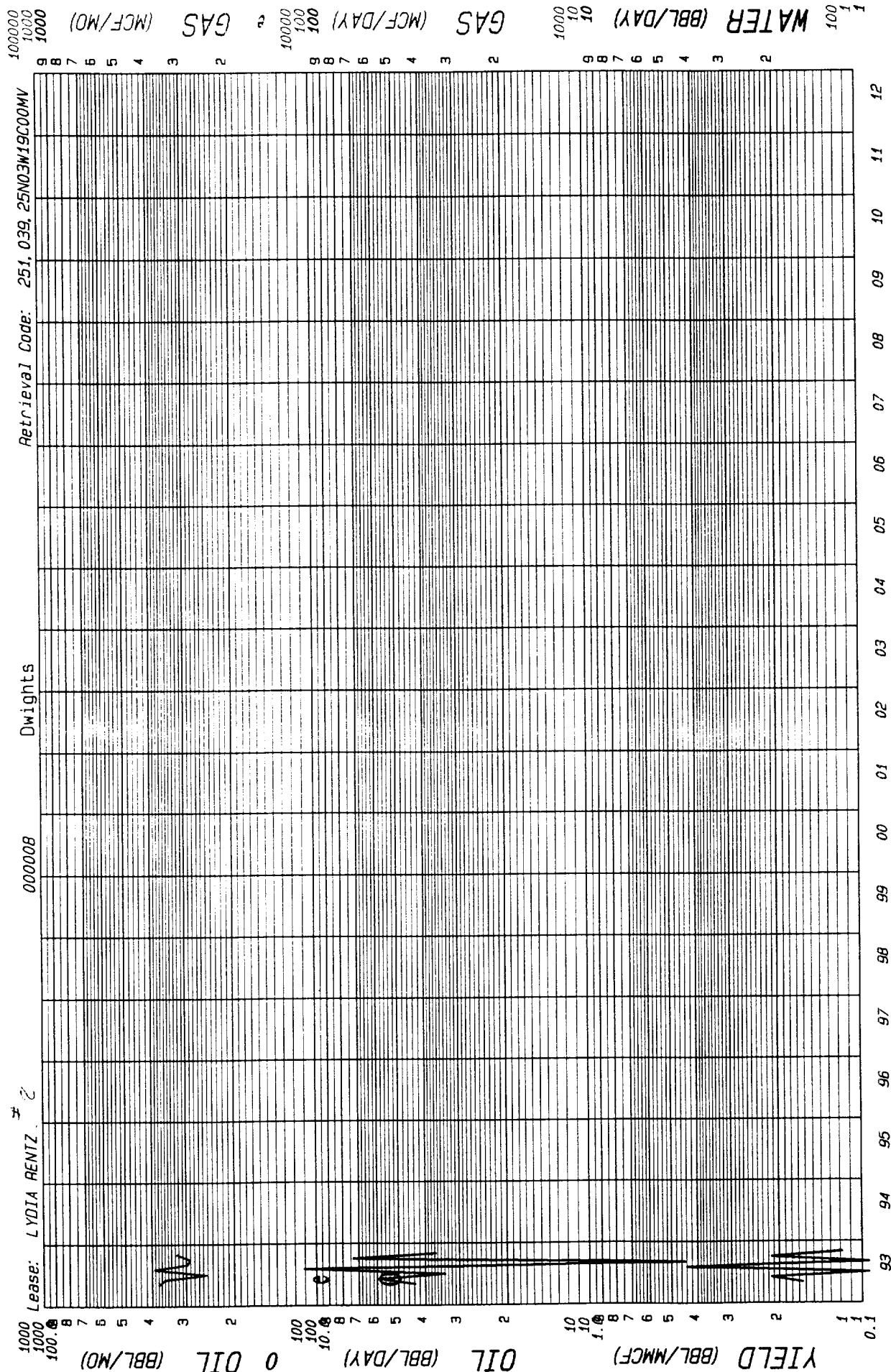
Attachment VI

Lydia Rentz No. 11

Production



Attachment VII - A



County: RIO ARRIBA
Field: BLANCO (MESAUVERDE) MV
Reservoir: MESAUVERDE
Operator: TEXACO EXPL & PROD INC
Oil Cum: 378 Gas Cum: 69933
Location: 19C 25N 3W

State: NM

Date: 03-25-94

F.P. Date 04-93

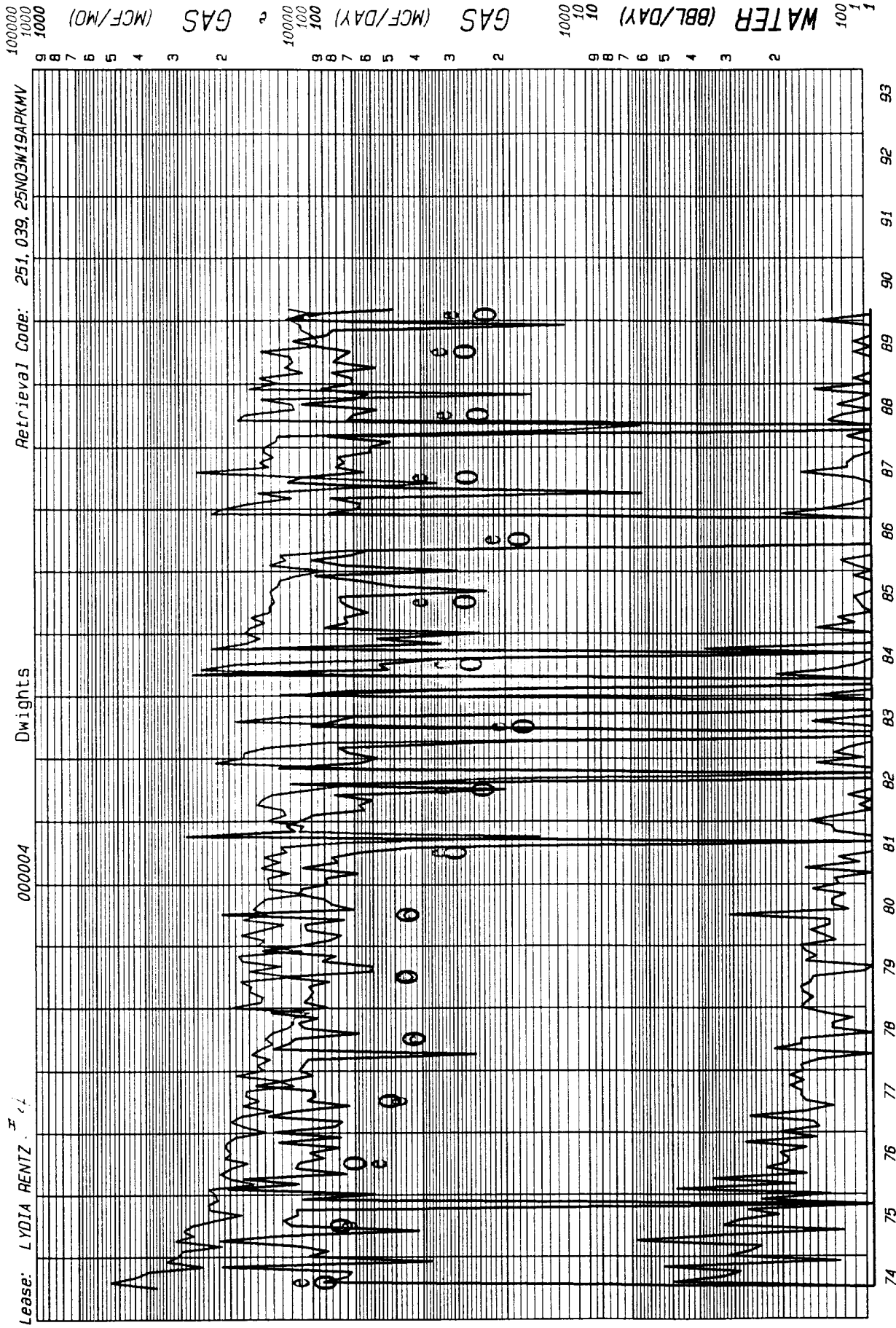
Handwritten: VII-13

Lease: LYDIA RENTZ.

000004

Dwights

Retrieval Code: 251, 039, 25N03W19APKMV

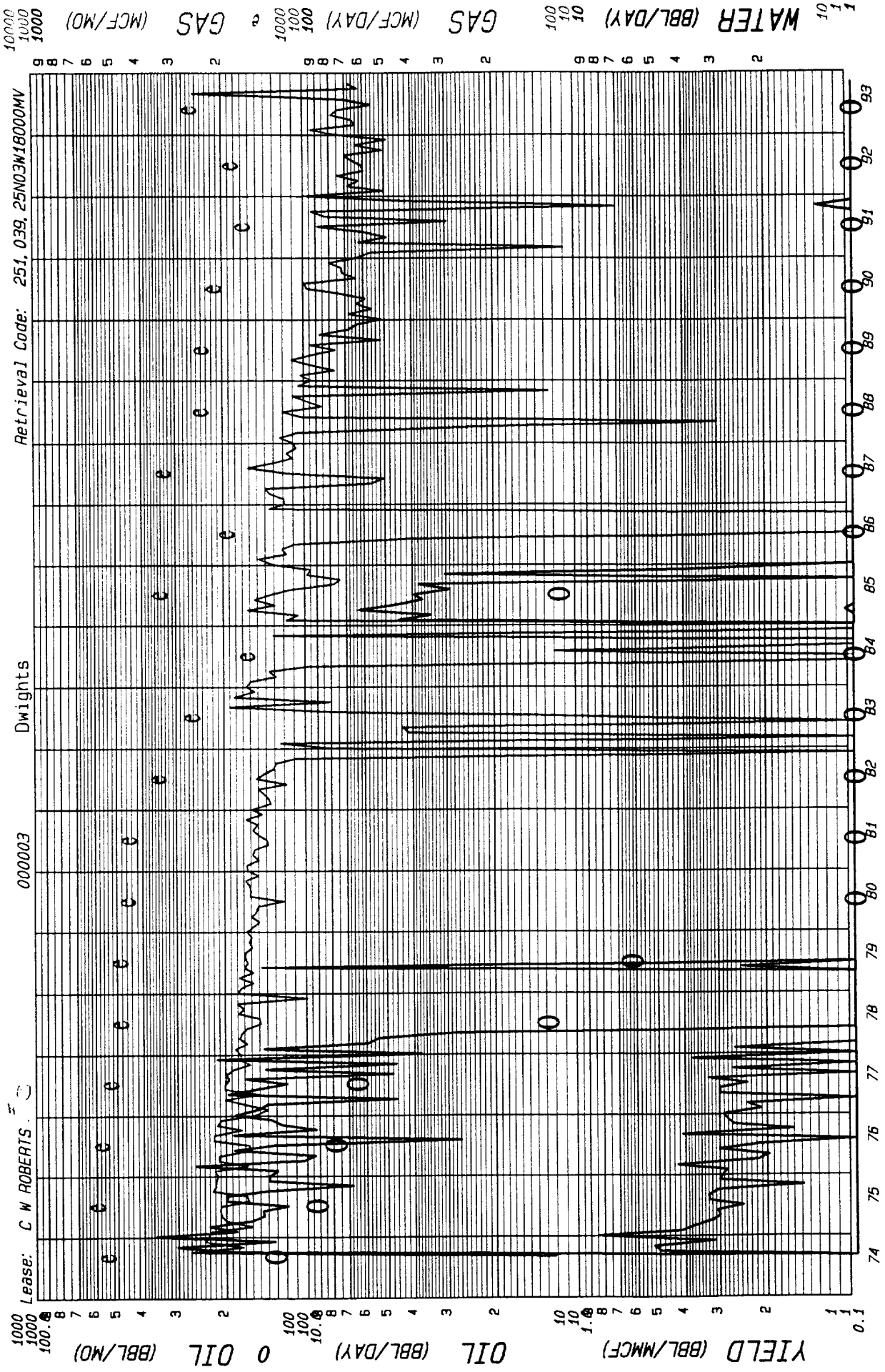


County: RIO ARRIBA
Field: BLANCO (MESAVERDE) MV
Reservoir: MESAVERDE
Operator: TEXACO INC
Oil Cum: 7421 Gas Cum: 835146
Location: 19A 25N 3W

F.P. Date 06-74

Date: 03-25-94

Attachment VII - C

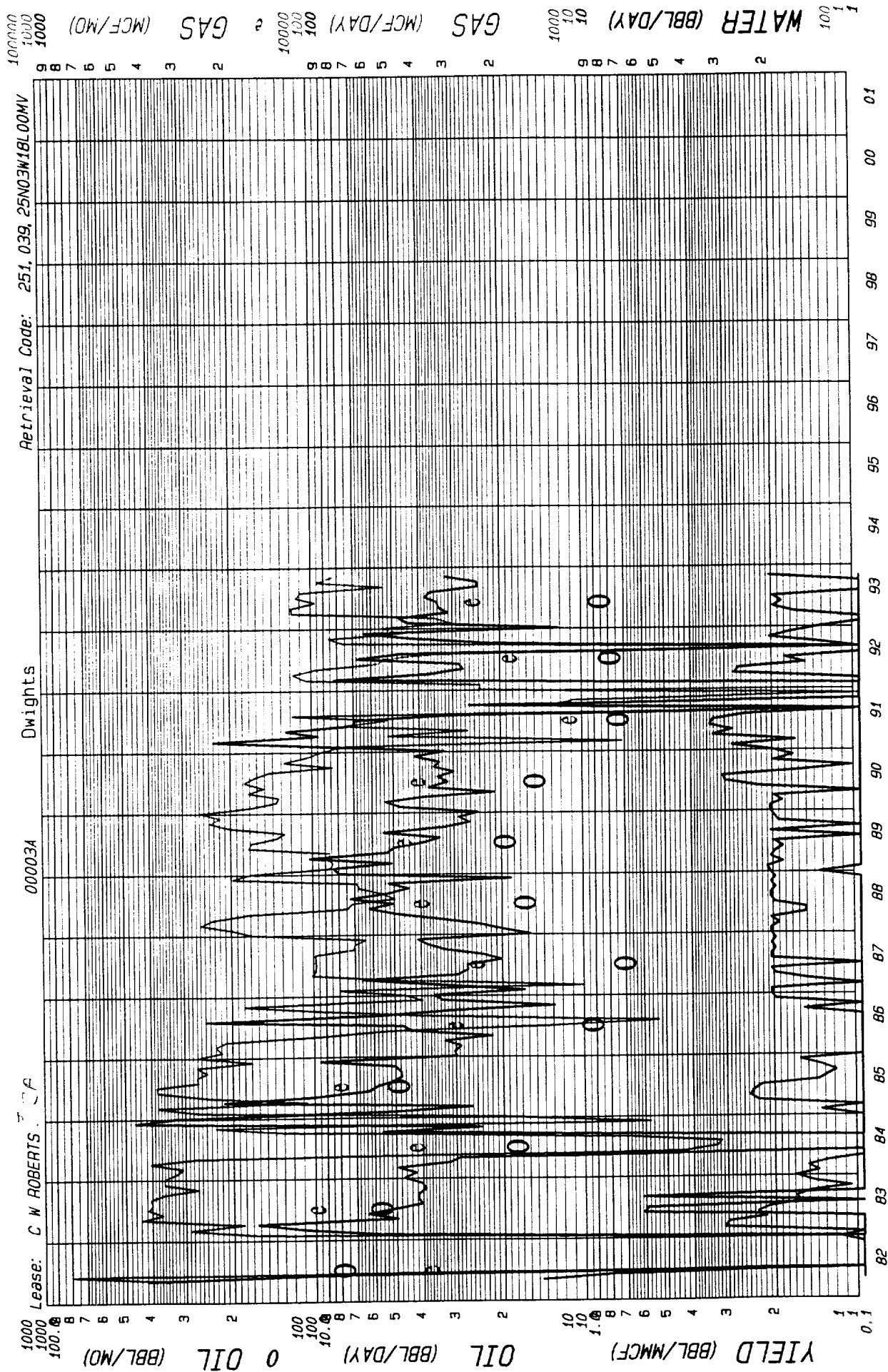


County: RIO ARRIBA State: NM
Field: BLANCO (MESAVEDE) MV
Reservoir: MESAVEDE
Operator: TEXACO EXPL & PROD INC
Oil Cum: 3866 Gas Cum: 829473
Location: 180, 25N 3W

F.P. Date 08-74

Date: 03-25-94

Attachment VII-D



County: RIO ARriba State: NM
Field: BLANCO (MESAVERDE) MV
Reservoir: MESAVERDE
Operator: TEXACO EXPL & PROD INC
Oil Cum: 3278 Gas Cum: 593886
Location: 1BL 25N 3W

Date: 03-25-94

F.P. Date 04-82

PETRO LOG INC.

VIII

(806) 637-4993

P. O. Box 588

Brownfield, Texas 79316

TEXACO EXPLORATION & PRODUCTION, INC.

DATE RUN: 11-5-92

LYDIA RENTZ WELL NO. 8

DATE PULLED: 11-16-92

PRESSURE BUILDUP TEST

BOTTOMHOLE PRESSURE:

TEST DEPTH 5806'

WHEN FIRST REACHED BOTTOM - 976

WHEN FIRST SHUT-IN - 988

<u>TIME SINCE SHUT-IN (HOURS)</u>	<u>PRESSURE</u>	<u>TIME SINCE SHUT-IN (HOURS)</u>	<u>PRESSURE</u>
25.0	1384	150.0	1453
30.0	1389	160.0	1453
40.0	1413	170.0	1454
50.0	1423	180.0	1455
60.0	1428	190.0	1457
70.0	1433	200.0	1457
80.0	1440	210.0	1458
90.0	1441	220.0	1458
100.0	1443	230.0	1458
110.0	1446	240.0	1460
120.0	1448	250.0	1460
130.0	1451	257.0	1460
140.0	1449		

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

IXOperator TEXACO E & P INC.Lease C.W. ROBERTSWell
No. 6

Location

of Well: Unit: G Sec. 18 Twp. 25N Rge. 3W County RIO ARriba

	NAME OF RESERVOIR OR POOL	TYPE OF PROD. (OIL OR GAS)	METHOD OF PROD. (Flow or Art. Lift)	PROD. MEDIUM (Tbg. or Csg.)
Upper Completion	BLANCO MESAVERDE	GAS	FLOW	TBG.
Lower Completion	LINDRETH GALLUP DAKOTA	OIL	FLOW	TBG.

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Completion	Hour, Date shut-in 5-17-92	Length of time shut-in	SI press. psig	Stabilized (Yes or No)
Lower Completion	Hour, Date shut-in 5-17-92	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) LOWER	
TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE		PROD. ZONE TEMP.	REMARKS
		Upper Completion	Lower completion		
4-20-92					BOTH ZONES SHUTIN
4-21-92	24 HRS.	598	723		
4-22-92	48 HRS.	680	787		
4-23-92	72 HRS.	700	804		
4-24-92	96 HRS.	705	259		UPPER SHUTIN; LOWER FLOW 24 HRS.
4-25-92	120 HRS.	708	232		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)

CUM PRODUCTION AT TEST

31 MBO

282 MMCF

Attachment X

Lydia Rentz No. 11 Mesa Verde Workover Procedure

1. **MIRUSU, NDWH, NUBOP. POOH w/rods, pump and tubing.**
2. **RIH w/5-1/2" RBP on 2-7/8" TBG, set RBP @ 6125'. Test RBP and CSG to 3000 psi. POOH w/TBG.**
3. **RIH with a casing gun and perforate the following Mesa Verde intervals with 2 JSPF, (ref: HLS DSN-SNL log dated 10/14/93):**

5822' - 5839'

5854' - 5865'

5877' - 5881'

5959' - 5965'

4 Intervals, 143' Gross, 38' Net, 76 Holes, 5894' Midpoint

4. **RU Service Company. Install Frac Tree. Break down Pt. Lookout perfs with 2% KCL water.**

Max Press: 3000 psi

Max Rate: 15 bpm

5. **Frac Mesa Verde perfs down CSG with 41,000 gals X-Linked 2% KCL gel water and 112,000 lbs 20/40 Brady sand, tailing in with 24,000 lbs resin coated sand as follows:**

15,000 gals 30# pad

4,000 gals 30# @ 2 ppg

8,000 gals 30# @ 4 ppg

8,000 gals 30# @ 6 ppg

3,000 gals 25# @ 8 ppg

3,000 gals 25# @ 8 ppg resin coated

5,800 gals Flush 25# Linear Gel

Max Press: 3000 psi

Rate: 60 bpm

Go to flush immediately after all 8 lb is in; do not allow cleaning of the tub before going to flush. Take ISIP. SI well.

6. **Shut well in overnight to allow resin coating to cure.**
7. **Flow back until dead. RIH with 2-7/8" TBG to 5894'. Swab/flow test Mesa Verde interval. NDBOP, NUWH, RDMOSU. Obtain shut-in pressure and fluid level.**

8. If successful, notify NMOCD Aztec District office with our intent to commingle. MIRUSU, NDWH, NUBOP. POOH with 2-7/8" TBG. RIH w/ retrieving head on 2-7/8" TBG and POOH w/RBP @6125'. GIH with notched collar, 2-7/8" (1.78" ID) API seating nipple one joint up on 2-3/8" TBG and cleanout to PBTD. POOH. RIH w/rods, pump and 2-7/8" production tubing. NDBOP, NUWH, RDMOSU. Put well on downhole commingled production (MV and GP/DK). Obtain stable commingled oil, gas, and water production rates for allocation formula.
9. If Mesa Verde completion is unsuccessful, cement squeeze Mesa Verde. MIRUSU, NDWH, NUBOP. POOH RIH w/ retrieving head on 2-7/8" tubing and POOH with RBP @6125'. GIH with notched collar, 2-7/8" API seating nipple one joint up on 2-7/8" TBG and cleanout to PBTD. POOH. RIH with Gallup/Dakota production equipment. NDBOP, NUWH, RDMOSU. Return well to G/DK production.



3/22/94

LYDIA RENTZ No. 11

Current Completion

WELL:

Lydia Rentz No. 11
API No. 30-039-25303

LOCATION:

Unit O, 840' FSL & 1820' FEL
SW/SE, Sec. 19, T25N, R3W
Rio Arriba County, New Mexico

ELEVATION: KB - 7268'
GR - 7254'

SPUD DATE: 9-30-93

COMPL DATE: 11-29-93

FORMATION TOPS:

Kirtland - 3365'
Fruitland - 3453'
Pictured Cliffs - 3652'
Lewis - 3775'
Chacra - 4560'
Menefee - 5350'
Pt. Lookout - 5822'
Mancos - 5966'
Gallup - 5984'
Greenhorn - 7797'
Graneros - 7856'
Dakota - 7885'
Morrison - 8119'

PROPOSED MESA VERDE PERFS:

5822' - 5839'
5854' - 5865'
5877' - 5881'
5959' - 5965'

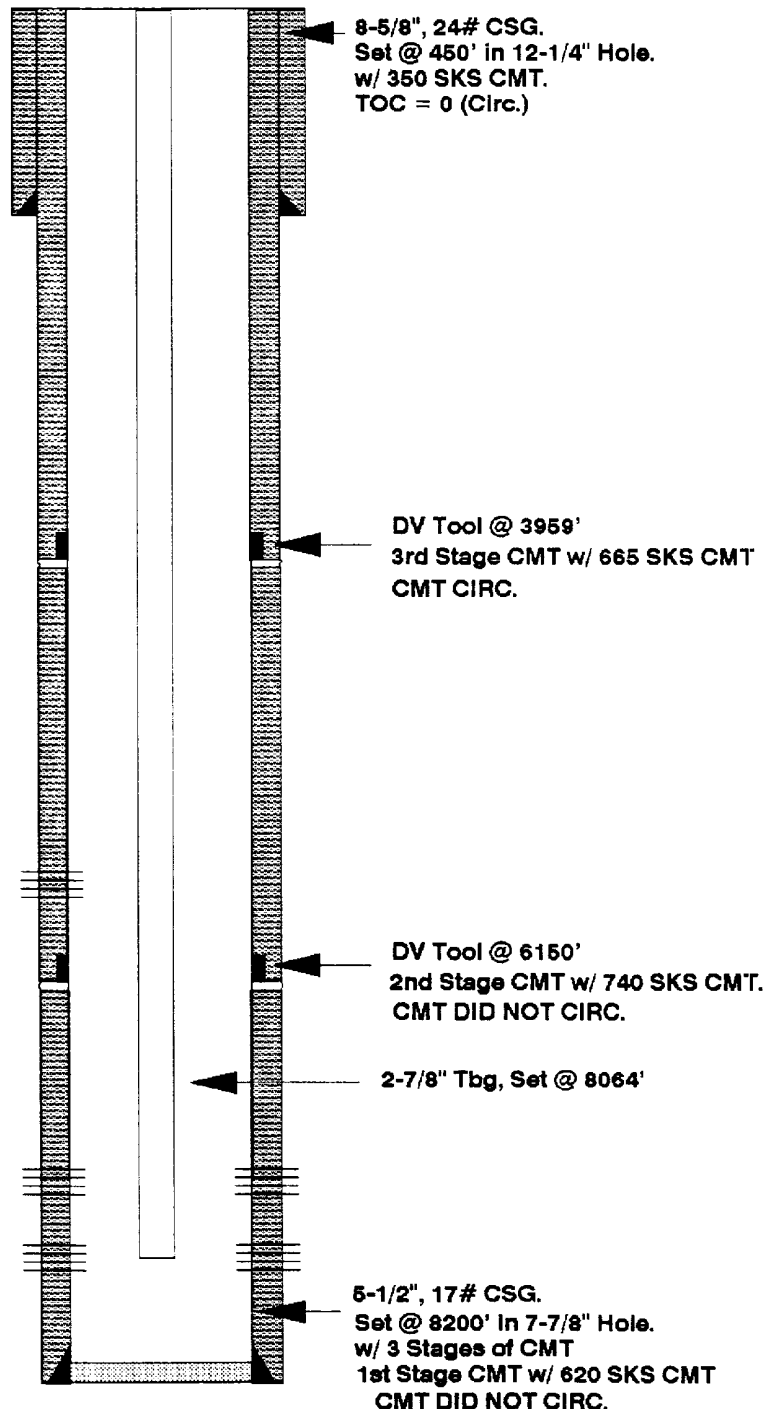
GALLUP PERFS:

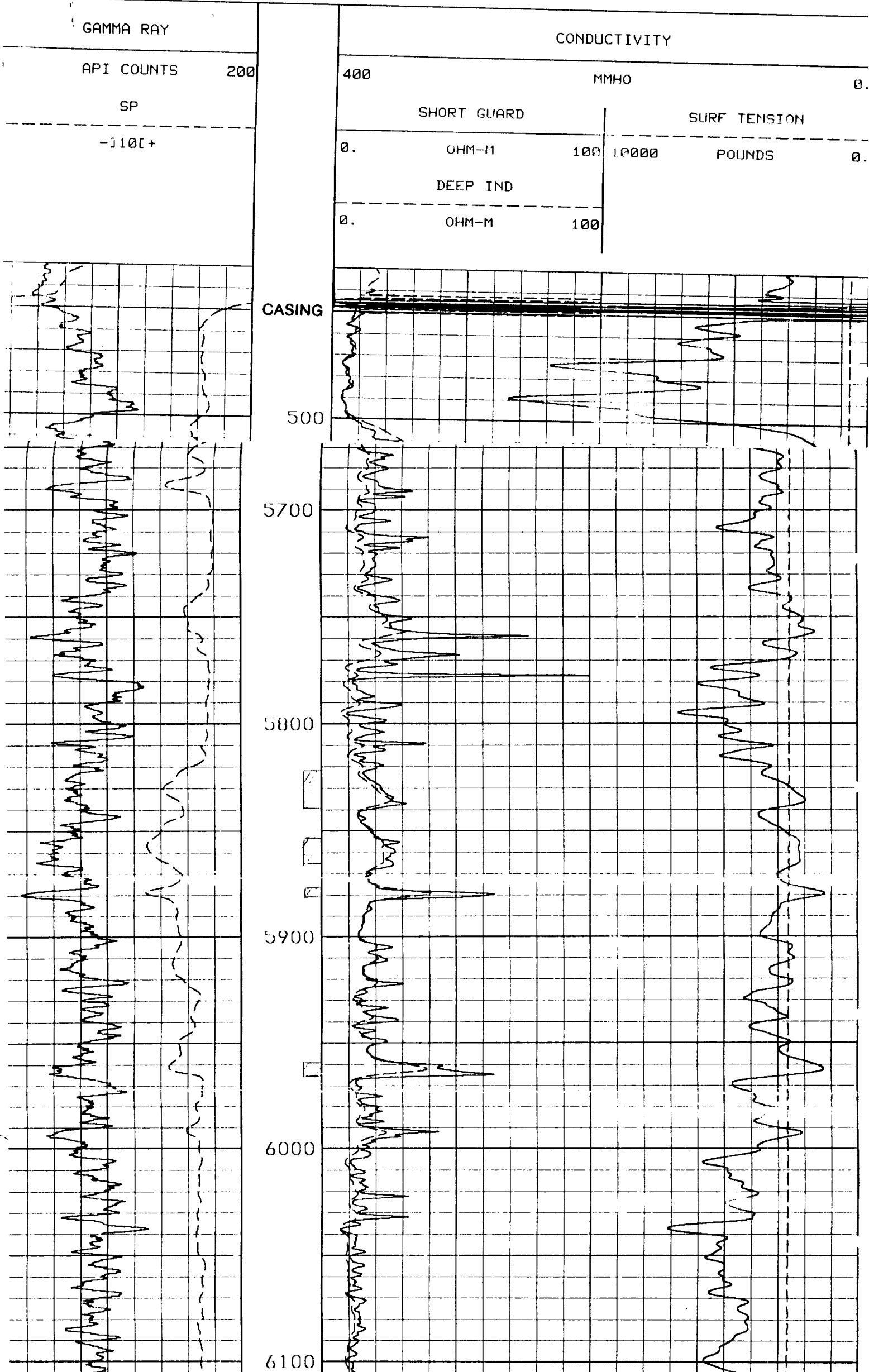
6964' - 7164', 200 Holes

DAKOTA PERFS:

7891' - 7914', 46 Holes
8045' - 8076', 62 Holes

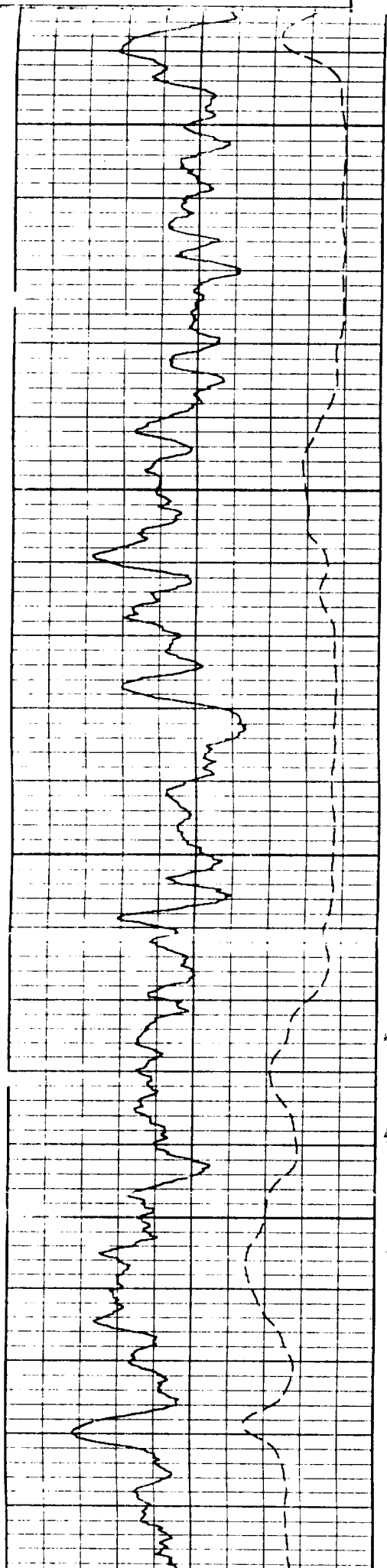
PBTD - 8190'
TD - 8200'





0	API COUNTS	200
SP		
-110[+		

.2	OHM-M	20
MEDIUM IND.		
.2	OHM-M	20
SHORT CORD		
.2	OHM-M	20
SURF TENSION		
10000 POUNDS		



5700

5800

5820

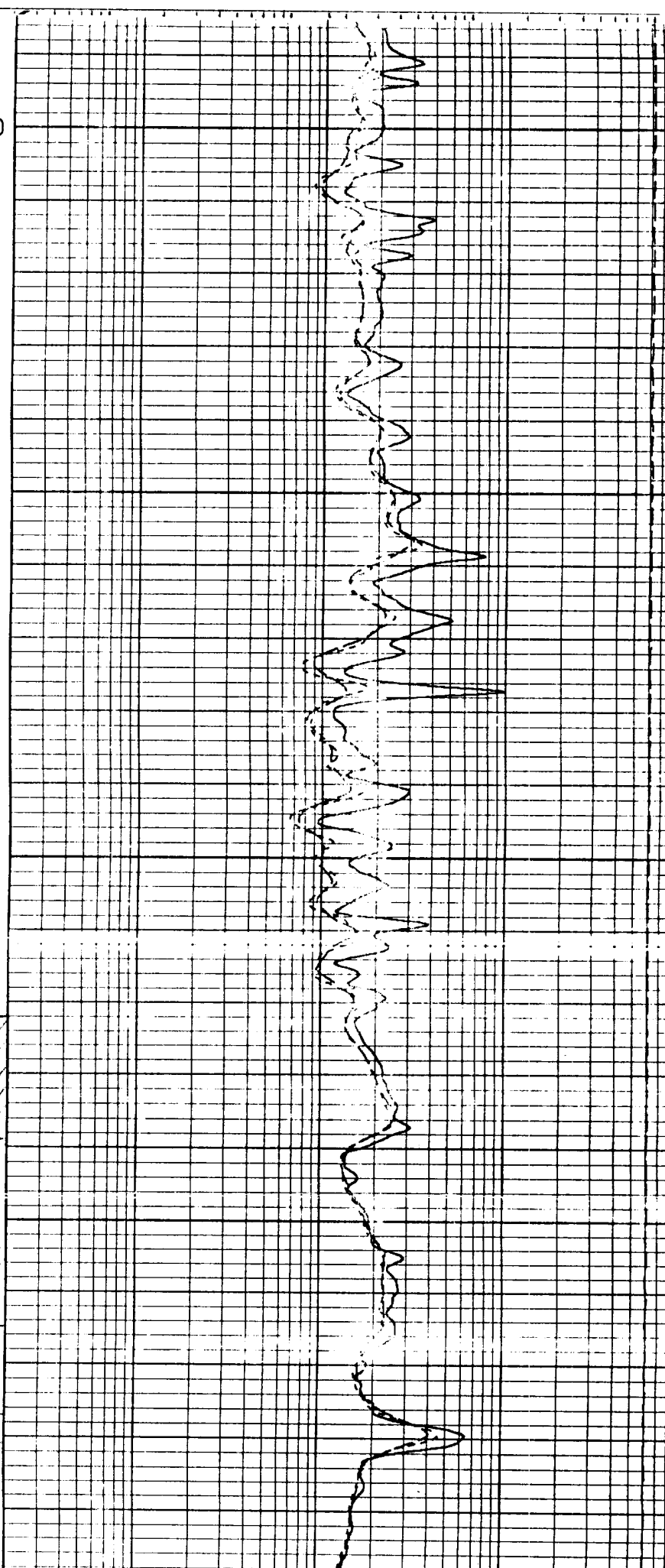
5830

5840

5850

5860

5870



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Texaco Exploration & Production Inc.

3. Address and Telephone No.

3300 N. Butler, Farmington N.M. 87401 (505)325-4397

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

840' FSL & 1820' FEL - UNIT O - Sec. 19, T25N / R3W

5. Lease Designation and Serial No.

SF079601

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

LYDIA RENTZ #11

9. API Well No.

30-039-25303

10. Field and Pool, or Exploratory Area

Blanco MV/W. Lind. GAL-DK

11. County or Parish, State

Rio Arriba, NM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☒ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Texaco E. & P. Inc. has completed the following on the subject well:
3-30-94 MIRU, NDWH, NUBOP. POOH w/ tbg. RIH w/ RBP, set at 6020'. Test to 3000#, OK. Perf Mesa Verde @ 5822'-39', 5854'-65', 5877'-81', 5959'-65'. Frac 5822'-5965' w/ 1447 bbl XL gel, 142000# 20/40 Brady Sand, 16101# Resin coated sand. Open to tank. Circ out sand fr 5887' to RBP. Swab. Remove RBP. Clean out well. GIH w/ production tubing. ND BOP. Hang well on.
THIS WELL IS COMMINGLED WITH GALLUP-DAKOTA POOL AS PER NMOCD ADMINISTRATIVE ORDER DHC-1001.

RECEIVED
JUN 10 1994
OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct

Signed

Ida J. [Signature]

Title

Area Manager

Date

5/27/94

(This space for Federal or State office use)

Approved by

Joseph Jaramilla

Acting Chief, Lands and Mineral Resources

Title

Date

JUN 8 1994

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

BLM-Rio Puerco(5), TAT, RJR, DBS, MAG,

NMOCD

RSD

