

THE ATLANTIC REFINING COMPANY
 NEW MEXICO DISTRICT
 JUSTIS MONTOYA AND BLINEBRY POOLS

Scale: 1" = 1000'

To accompany application for
 Oil/Oil Dual -
 Atlantic - State "Y" No. 3 Well

BEFORE EXAMINER CATANACH
 OIL CONSERVATION DIVISION
 ATCO EXHIBIT NO. 1
 CASE NO. 9084

BEFORE EXAMINER CATANACH
OIL CONSERVATION DIVISION

STATE "Y" # 3
330' FNL + 1650' FEL "B"
SEC 25 - T25S - R37E
LEA COUNTY, N.M.
SPUD 10/16/58
COMP 12/2/58 100% WI

ARCO EXHIBIT NO. 2

CASE NO. 9084

JUSTIS } BLINEBRY
 } MONTOYA

590'

13 3/8" 48 #/ft, H40 CSC AT 590' CMT. CIRC.

BLINEBRY TBC:
S.N. 179 JTS 2 3/8" CS HYDRIL N80 TBC
BTM AT 5234'
NOTE: (TBC HAS RESTRICTION AT 4200')

3350'

9 5/8" 32.3 #/ft + 36 #/ft, J55 + H40, CSC AT 3350'
T.O.C. AT 940'

5118'

5234' BLINEBRY PERFS 5118' - 5530' SELECTED J.S.

5530'

MONTOYA TBC SET IN BAKER 415D PKR, 6750'
P.N., BAKER SEAL ASSY, KOBE SEATING SHOE,
60 JTS 2 7/8" EXT GLASS COAT CS HYDRIL N80 TBC,
170 JTS 2 7/8" CS HYDRIL N80 TBC
261 JTS 1" IOR N80 TBC, 2 1/2" x 1 1/4" x 1 1/8" PUMP

NOTE: (1" PARTED 26 JTS FROM SURFACE)

6750'

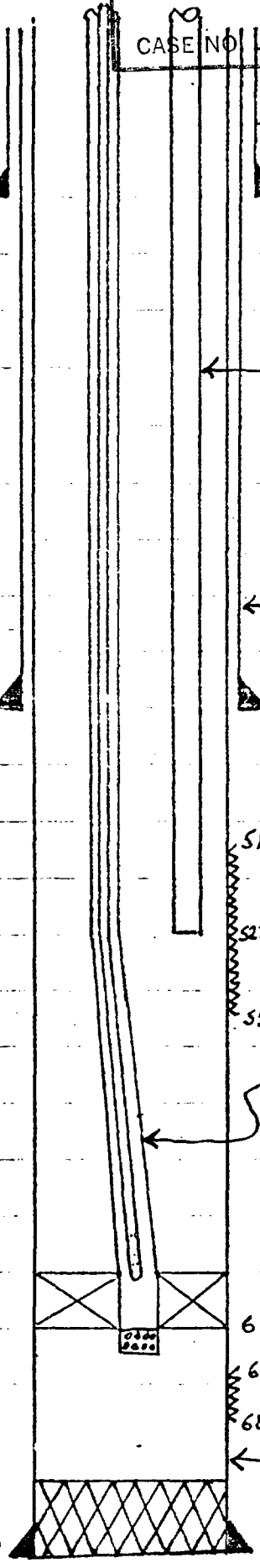
6821' MONTOYA PERFS 6821' - 6883' 4JSPF

6883'

7 3/8" 29.7 #/ft, N80 (90')
7" 20 #/ft + 23 #/ft, J55
7" 23 #/ft, N80 CSC AT 8350'

80 7570'

TD 8350'



11/15/76

OPERATOR: Atlantic Richfield Company

FORMER OPERATOR: NONE

LEASE: State "Y" Well No. #3

LOCATION: B - Sec 25, T25S, R37E (1650'FEL, 330'FNL)

Gas/EI Paso Natural Gas Co. Oil/Texas New Mexico Pipe Line

COUNTY: Lea STATE: New Mexico

K.B.Elev: D.F.Elev: 3079' G.L.Elev:

T.D. 8350' DDTD. PBTD 7570' BP. Pkr.

Open Hole Elec. Measurement Taken From Date Comp 12/21/58

OD's	wt/ft. SS & Grade	Set @	Sax Cmt.	Remarks
13 3/8"	48# H-40 ST&C	1589.51'	500	Circ.
9 5/8"	32.3 & 36# J-55 ST&C	3350.18'	1200	TOC @ 940'
7" - 7 5/8"	20 & 23# J-55, N-80	8350.06'	2065	TOC @ 220'
2 3/8"	C.S. Hydrill	5233.91'		
2 7/8"	C.S. Hydrill	6751.66'		set in 415-D Pkr @ 6750'

COMPLETION SUMMARY:

10/58: Drld plug @ 3312'. Drld out plugs & cmt to 8331' (PBD) TIW-HSDL Dual String Pkr @ 6770.76' w/seal assmbly. Montoya perf 6821-6883 (52' @ 4/ft) Ellenburger perf (62' @ 4/ft.) 8143-8205'. Baker 415-D Prod Pkr @ 8106.96'.

WORKOVER HISTORY:

2/60: Ran 1" Kobe tbq w/pump set @ 8105.39' RKB w/SN @ 8105.26', Montoya zone pump installation.

2/62: Ellenburger zone was P & A 1/22/62 w/latching type DR plug set in Baker 415-D Pkr @ 8111', 30' of cmt placed on top of pkr. McKee zone was block squeezed cmtd thru perfs @ 7751' & 7654-57'. McKee was perf 7701-05' & 7717-49' GR & frac'd w/16,000 gals oil & 19,600# 20/40 sand. McKee zone was squeeze cmtd w/100 sx neat cmt. Left cmt inside 7" csg from (New PBD) 7570' - 7749'. The Blinebry zone was then block squeeze cmtd thru perfs @ 5370-72' w/230 sx reg & perfs 5304-06' w/190 sx. reg pozmix. Drld cmt out. Perf 5346-53' GR w/4 JSPF. Trtd 5346-53' perfs w/250 gals mud acid & 12,000 gals oil w/15,000# 20/40 sand. Perf 5281-90' GR w/4 JSPF, trtd these perfs w/250 gals mud acid & 12,000 gals oil w/15,000# 20/40 sand. Lowered BP & full bore pkr to 7300'. Set Baker 41 pkr @ 6750' on WL. Ran completion assembly for Blinebry-Montoya dual well. Montoya tbq 230 jts w/Kobe shoe & Baker locator sub @ 6736.42'. Set in Baker pkr @ 6747.83'. Ran Blin tbq 179 jts 2 3/8" CS Hydrill w/SN @ 5222.56' tbq btmd @ 5233.96'.

10/63: Ran 261 jts 1" N-80 Kobe tbq w/2 1/2" x 1 1/4" x 1" Kobe pump w/in-hole accessories. Total string 6742-46'. Set @ 6749.46' w/3000# on Kobe shoe.

12/67: Montoya perfs 6816-6878' trtd w/5000 gals 15% HCL. Trtmt down 2" tbq w/ATP of 1700#, AIR 6.5 BPM.

4/71: Ran Montoya tbq string 2 7/8" CS Hydrill N-80, J-55 tbq set @ 6730.52' w/415-D pkr @ 6741.92'. RKB-THF 11.40. Ra Blinebry 2 3/8" CS Hydrill tbq set @ 5197.10'.

3 3/8"

589.51'

5/8"

3350.18'

3/8"

5233.91'

7/8"

6751.66'

Blinebry

5118'

5530'

415-D Pkr

6750'

Montoya

6821'

6883'

New PBD

7570'

415-D Pkr

8111'

Old PBD

8331'

TD 7"

8350.06'

Page 2

State "Y" #3

WORKOVER HISTORY (cont'd):

3/73: Laid down 261 jts 1" Kobe tubing & Kobe pump. Kl'd Montoya & Blinebry zone w/9# brine. POH w/179 jts 2 3/8" CS Hydrill tbg & 230 jts 2 7/8" CS Hydrill tbg. Perfd 4 squeeze holes 5620-5621' & 3 squeeze holes 5000-5001'. WIH w/RBP and set @ 5900'. Squeezed perfs 5620-21' w/45 sx C1 C, left 5 sx cmt in csg. Squeezed perfs 5000-5001' w/17 sx C1 C, left 15 sx cmt in csg, rev out 68 sx cmt to pit. Re-squeezed perfs 5000-5001' w/93 sx C1 C cmt., left 7 sx cmt in csg. Perfd Blinebry w/1 0.36" JS ea @ 5118, 20,22,35,37,62,64,66,87,89, 91,5234,36,45,5418,60,69,79,83,96,5504 & 5530' (GR-NO. Trtd perfs 5418-5530 w/total of 1000 gal 15% HCL. Trtd perfs 5118-5245 w/total of 1000 gal 15% HCL. Frac'd perfs 5118-5530 w/total of 40,000# 20/40 sd in 40,000 gal 9# brine. Trtd existing Montoya perfs 6821-6883' w/1000 gal 15% HCL. POH w/RBP. WIH w/230 jts 2 7/8" CS Hydrill tbg landed in 415-D pkr @ 6751.66' WIH w/Blinebry tbg 179 jts 2 3/8" CS Hydrill N-80 tbg set @ 5233.91'. WIH w/ 2 1/2" x 1 1/4" x 1 1/8" Kobe pump on 261 jts 1" 10R N-80 Kobe tbg. Started Montoya zone to pumping.

9/76: Set pump w/4000# wt & started well to pumping @ 60 SPM.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

GAS-OIL RATIO TESTS

DEPARTMENT OF ENERGY AND MINERALS
OIL CONSERVATION DIVISION
Form C-116
Revised 10-1-78

Operator **ARCO 011 and Gas Company** Pool **Justis Blinberry**
 Name of Atlantic Richfield Company
 O. Box 1710, Hobbs, New Mexico 88240
 TYPE OF TEST - (X) **TEST**
 GASEL NO. **9084** EXHIBIT NO. **3**
 Leg Computer Special

LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	TYPE OF TEST	CHOKESIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST		GAS M.C.F.	GAS-OIL RATIO CU.FT/BAL
		U	S	T							WATER BALS.	OIL BALS.		
Carlson Federal	1	K	25	25	2/14/86	P		8	24	6	36.2	9	245	27,222
"	2	L	25	25	2/15/86	P		6	24	10	36.2	7	66	9,428
Carlson "A" Federal	1	I	23	25	2/15/86	P		2	24	3	36.2	2	22	11,000
"	2	J	23	25	2/07/86	P		3	24	11	36.4	4	17	4,250
Justis Federal	2	O	11	25	2/18/86	P		3	24	4	36.2	3	52	17,333
"	3Y	P	11	25	2/17/86	P		5	24	5	36.2	5	38	7,600
Langlie Federal	1	I	14	25	2/04/86	P		8	24	3	36.4	5	120	24,000
"	2	J	14	25	2/12/86	P		11	24	4	36.2	9	68	7,555
Langlie "A" Federal	1	H	14	25	2/06/86	P		6	24	3	36.2	4	75	18,750
"	2	G	14	25	2/20/86	P		10	24	6	36.2	8	127	15,875
Langlie "B" Federal	1	A	14	25	2/21/86	P		5	24	5	36.2	4	40	10,000
"	2	B	14	25	2/20/86	P		4	24	4	36.2	4	32	8,000
State Y	3	B	14	25	2/17/86	P		2	24	1	36.2	2	66	83,000
"	7	A	14	25	2/06/86	P		8	24	1	36.2	3	99	83,000

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 allowable when authorized by the Division.

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 Division 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.

[Signature]
Services Supv.
(Signature)

GAS-OIL RATIO TESTS

LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	TYPE OF TEST - (X)	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW. ABLE	SCHEDULED <input checked="" type="checkbox"/>	DURATION OF TEST IN HOURS	PROD. DURING TEST			GAS - OIL RATIO CU. FT./BBL.	
		U	S	T								WATER BBL.S.	GRAV. OIL	OIL BBL.S.		GAS M.C.F.
State "Y"	3	B	25	25	37	2/18/86	P		19		24	118	36.2	16	19	1,187
	"	* 7	A	25	25	37	2/20/86	P	21		24	13	36.2	7	4	571
	"	* 9	A	25	25	37	2/20/86	P	21		24	13	36.2	12	12	1,000
* Share same 40 acre proration unit																

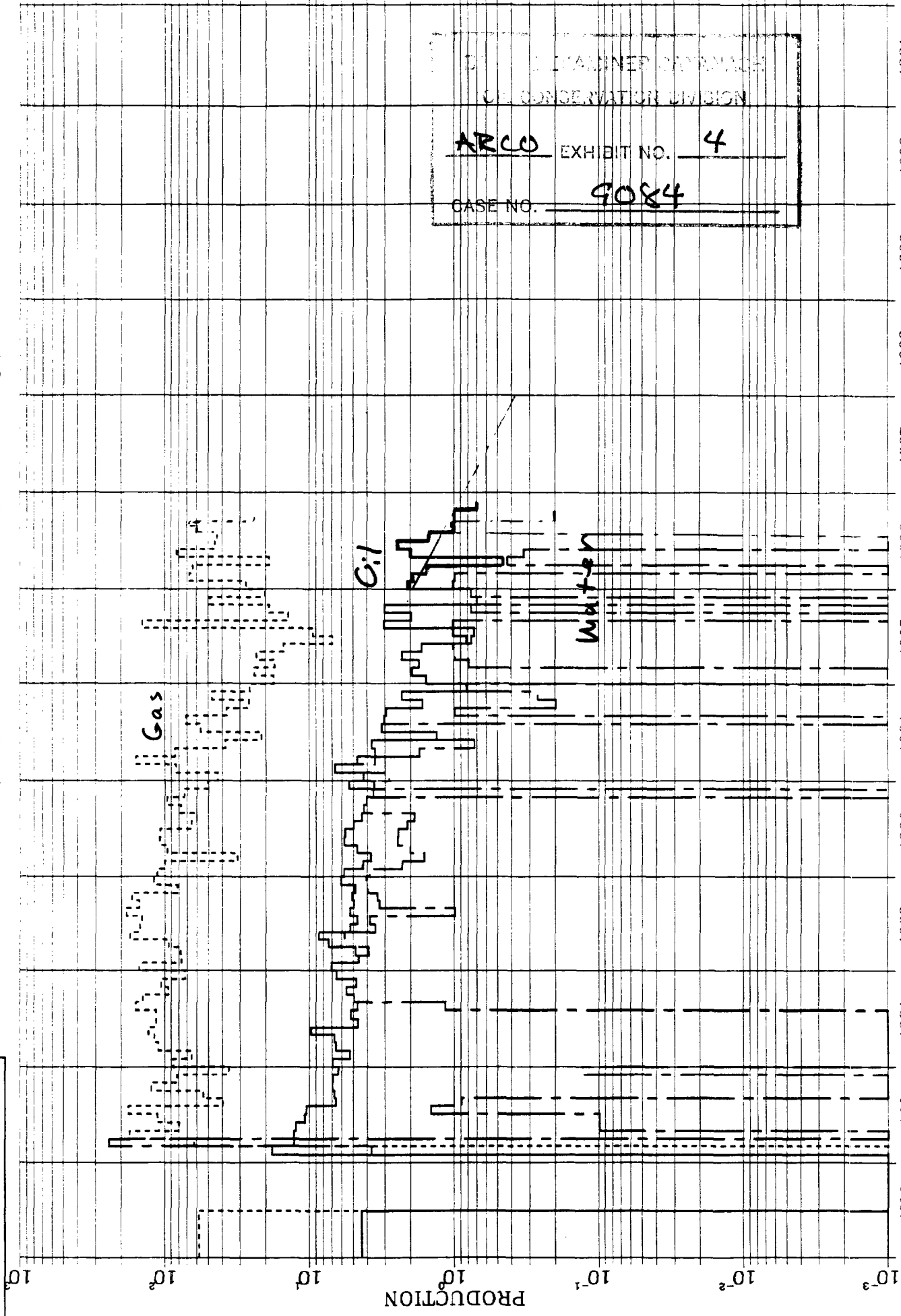
No well will be assigned an allowable greater than the amount of oil produced on the official test.
 During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowable when authorized by the Division.
 Gas volume 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 Division in accordance with Rule 201 and appropriate pool rules.

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

[Signature]
 Services Supv.
 (Signature)

STATE: NEW MEXICO COUNTY: LEA
 BL,
 FIELD: JUSTIS BLINBERRY
 LEASE: STATE Y WELL # 000003
 OPERATOR: ARCO OIL & GAS CO

LEGEND
 II, PRODUCTION, STBO/D
 AS PRODUCTION, MCF/D
 ATER PRODUCTION, STBW/D

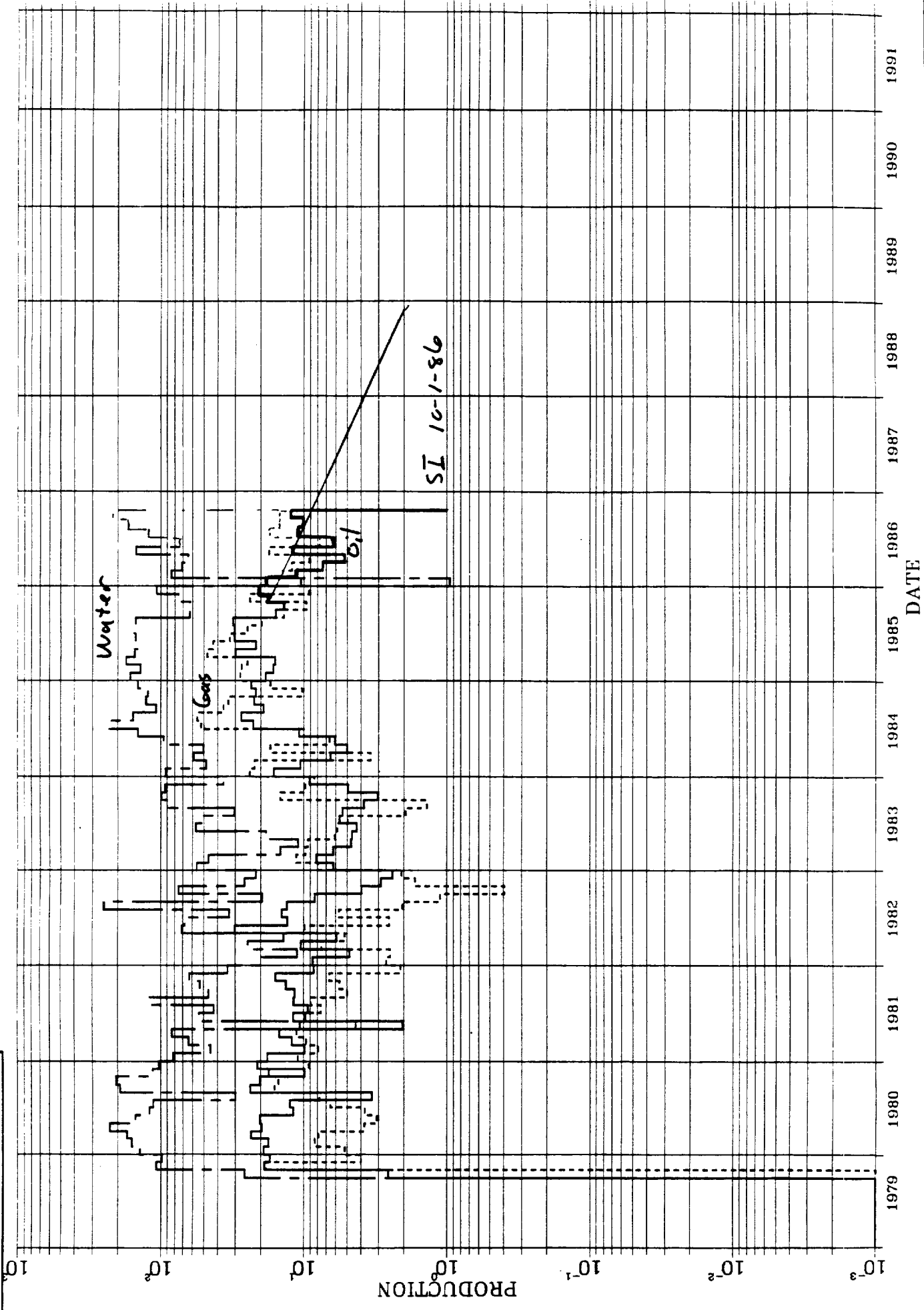


DEPARTMENT OF REVENUE
 OF CONSERVATION DIVISION
 ARCO EXHIBIT NO. 4
 CASE NO. 9084

1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991

STATE: NEW MEXICO COUNTY: LEA MO
 FIELD: JUSTIS MONTOYA
 LEASE: STATE Y WELL.# 000003
 OPERATOR: ARCO OIL & GAS CO

LEGEND
 OIL PRODUCTION STBO/D
 GAS PRODUCTION MCF/D
 WATER PRODUCTION STBW/D





Date: November 19, 1986
Subject: State Y No's. 3 and 9
Bottomhole Pressure Estimate

From/Location: L. A. Farnell - 121 HOO
Telephone: 392-1253
To/Location: Mr. R. S. Frentice - 117 MIO

Static pressure tests were conducted on the subject wells to determine the reservoir pressure in the Blinebry and Montoya zones. Results of the tests are as follows:

WELL	START DATE	RESERVOIR	TEST LENGTH (hrs.)	BHP (psia)
#3	11/7/86	Blinebry	72	254
#9	11/14/86	Montoya	96	475

Please inform me if further information is required.

L. A. Farnell
Production/Facilities Engineer

BEFORE EXAMINING CATERACTS
OR CONSERVATION DIVISION

ARCO EXHIBIT NO. 5

CASE NO. 9084

State Y 3
Commingling Computation

Perforations:

Blinebry 5118-5530'
Montoya 6821-83'

Rule 303-C Production Limitations (Bottom Perf-Lowermost Pool 6000-6999'):

40 BOPD
80 BWPD

Latest Production Data (Based on Form C-116 Submitted 5-22-86):

	<u>Blinebry</u>	<u>% of Total</u>	<u>Montoya</u>	<u>% of Total</u>
BOPD	2	11	16	89
MCFD	66	78	19	22
BWPD	1	1	118	99

BEFORE OMA OILFIELD DATA BOARD	
OIL CONSERVATION DIVISION	
ARCO	EXHIBIT NO. 6
CASE NO.	9084

AFFIDAVIT

STATE OF NEW MEXICO)
) ss.
COUNTY OF SANTA FE)

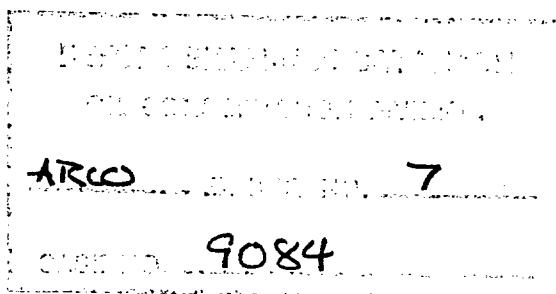
Richard S. Prentice, an employee and authorized representative of Arco Oil & Gas Co., the Applicant herein, being first duly sworn, upon oath, states that the notice provisions of Rule 1207 of the New Mexico Oil Conservation Division have been complied with, that Applicant has caused to be conducted a good faith diligent effort to find the correct addresses of all interested persons entitled to receive notice, as shown by Exhibit "A" attached hereto, and that pursuant to Rule 1207, notice has been given at the correct addresses provided by such rule.

Richard S. Prentice
(signature)

Subscribed and sworn to before me this 17th day of February, 1987 by Richard S. Prentice.

Deris M. Sallegos
Notary Public

My Commission Expires:
Sept. 15, 1990



ARCO Oil and Gas Company
Central District
Post Office Box 1610
Midland, Texas 79702
Telephone 915 688 5200



CERTIFIED
RETURN RECEIPT
REQUESTED

November 6, 1986

OFFSET OPERATORS
STATE Y LEASE

Gentlemen:

Notification of Intent to Downhole Commingle
the Justis Blinebry and Justis Montoya Pools
State Y No. 3
330' FNL & 1650' FEL
Section 25, T-25-S, R-37-E
Lea County, New Mexico

In accordance with New Mexico Oil Conservation Division regulations, you are hereby notified of ARCO Oil and Gas Company's application to downhole commingle production from the Justis Blinebry and Justis Montoya pools in the State Y No. 3 well.

Yours very truly,

Richard S. Prentice

R. S. Prentice
Senior Engineer

RSP:tis

OFFSET OPERATORS

STATE Y LEASE

Amerada Hess Corporation
2207 Industrial
Midland, TX 79701

Amoco Producing & Exploration Co.
4044 Penbrook
Odessa, TX 79762

Texaco Producing, Inc.
P.O. Box 3109
Midland, TX 79702

Union Texas Petroleum Corporation
Box 2120 One Riverway
Houston, TX 77252