



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

BRUCE KING
GOVERNOR

January 25, 1994

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

DHC-971

RE: Proposed:

MC _____
DHC X _____
NSL _____
NSP _____
SWD _____
WFX _____
PMX _____

Gentlemen:

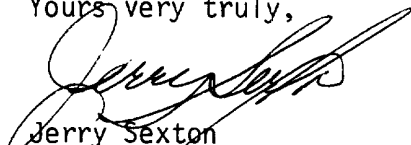
I have examined the application for the:

Mobil Producing TX & NM Inc.	Brunson Argo	#18-C	10-22-37
Operator	Lease & Well No.	Unit	S-T-R

and my recommendations are as follows:

OK - MIGHT WANT TO TEST BINGBRY
TO MAKE SURE THE ZONE DOES QUALIFY
FOR DHC

Yours very truly,


Jerry Sexton
Supervisor, District 1

/ed

Mobil Exploration & Producing U.S. Inc.

December 28, 1993

HOUSTON DIVISION
12450 GREENSPPOINT DRIVE
HOUSTON, TEXAS 77060-1991

State of New Mexico
Oil Conservation Division
State Land Office Bldg.
P.O. Box 2008
Santa Fe, New Mexico 87501

Attn: William J. Leman
Director

EXCEPTION TO RULE 104(F) &
RULE 303(A)
BRUNSON ARGO WELL NO. 18
BLINEBRY & DRINKARD OIL AND
GAS POOLS
LEA COUNTY, NEW MEXICO

Gentlemen:

Mobil Exploration & Producing U.S. Inc., (MEFUS) as agent for Mobil Producing Texas & New Mexico, Inc. (MPIM) requests administrative approval to downhole commingle production from the Drinkard and Blinebry Oil and Gas Pools within the wellbore of its Brunson Argo Well No. 18 at an unorthodox location. Well No. 18 is located 560 feet from the East line and 660 feet from the North line (Unit C) of Section 10, T-22-S, R-37-E, Lea County, New Mexico and is located on the same 160-acre proration unit as Well No. 6, which is currently a Blinebry/Drinkard producer. Authority to downhole commingle production from the Blinebry and Drinkard zones in Well No. 6 was approved May 10, 1989, Order No. R-8929 and in Well No. 13 approval was granted August 3, 1990, Order DHC-762.

The subject well meets all prerequisites for commingling, as set out in Rule 303(C). The ownership of these zones is common, and they have been successfully commingled on adjacent leases with no incompatibility of fluids found.

In support of this application, the following is submitted:

- 1) Forms C-101 and C-102
- 2) Location plat
- 3) Data sheet for both zones
- 4) Computation of relative values for hydrocarbons

Mobil

New Mexico Oil Conservation Div.

-2-

December 28, 1993

- 5) Present/proposed wellbore sketches
- 6) Production plats
- 7) Form C-116 Well Test for Brunson Argo 18
- 8) List of offset operators

A copy of this letter and Forms C-101 and C-102 and location plats are being furnished to offset operators on the attached list by certified mail as their notification of this application.

Should you need additional information, please feel free to contact me at 713-775-2099.

Sincerely,

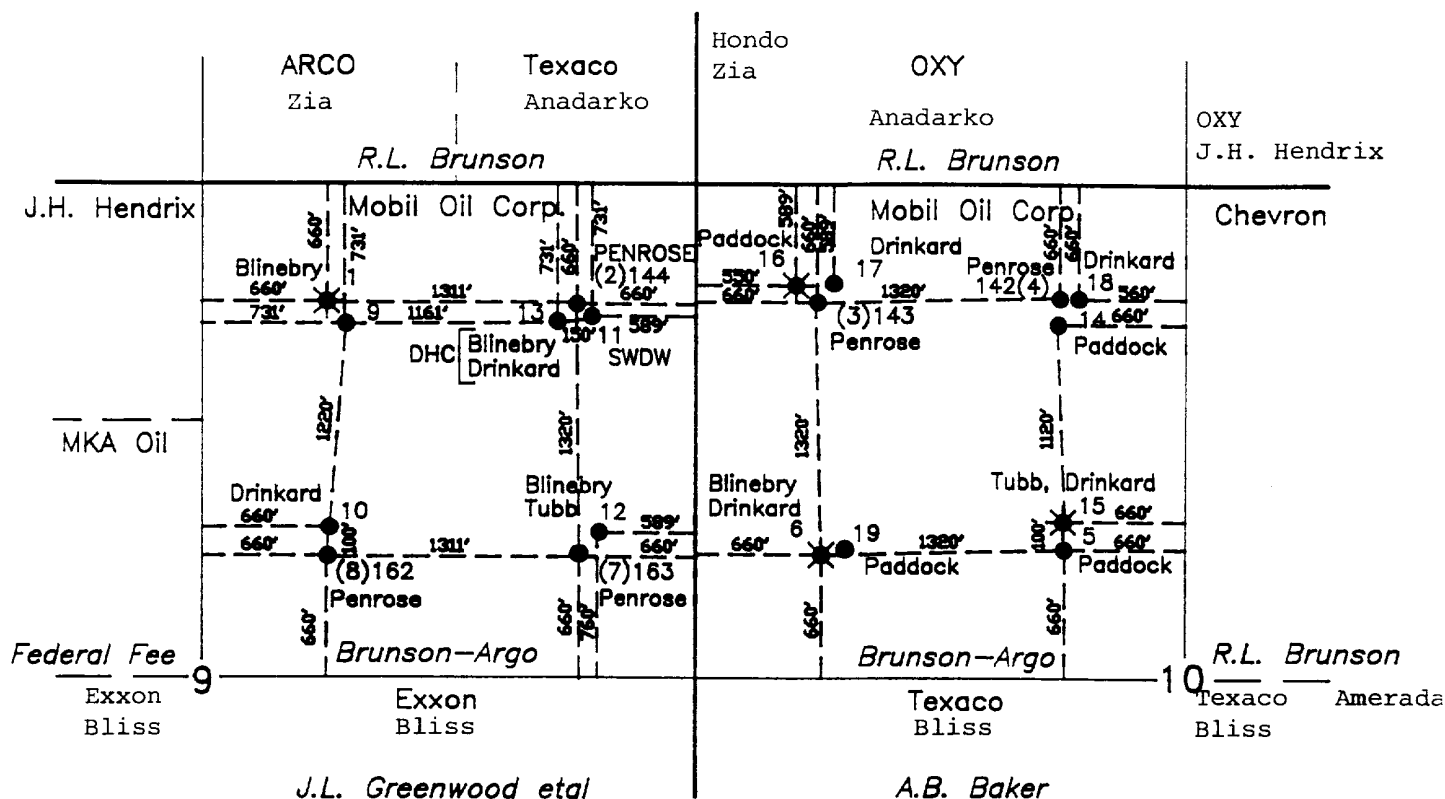


Bobbie R. Brown
Env. & Reg. Technician II

Attachments

cc: Oil Conservation Division - Hobbs
Offset Operators

The map displays a dense network of well locations, each marked with a symbol and accompanied by a label indicating the well name and its status (e.g., 'Producing', 'Dry', 'Abandoned'). Major geological features are delineated by lines and shaded areas, representing different rock formations and structural traps. The map is oriented with North at the top, and a scale bar is provided in the lower left corner. The overall layout is a grid-like structure, with each section representing a specific geographic area within the quadrangle.



Reserve _____ Permit Depth _____

Special Instructions _____

THE STATE OF TEXAS
COUNTY OF Midland

I hereby certify that this plat truly represents conditions as they actually exist on this lease; that said plat which is drawn to the scale indicated hereon, is to the best of my knowledge true and correct; that it accurately shows said lease with all wells on same; that number and locations of said wells are as indicated hereon; and that this plat correctly reflects all pertinent and required data.

Bobbie R Brown

Mobil Exploration & Producing U.S. Inc Midland

LEASE Brunson - Argo
WELL NO. 18 DATE December 28, 19 93
LEASE NO. nm 633A-B
TOTAL ACRES IN LEASE 320 ACRES COVERED BY PLAT 320
DESCRIPTION NE 1/4 Sec. 9, NW 1/4 Sec. 10, T-22-S R-37-E
Lea County, New Mexico

DRAWN RGH DATE 1-8-91 FIELD _____
SCALE 1"=1000' FILE NO. 79

DATA SHEET

1. Lease Name Brunson Argo
2. Well No. 18
3. Well Location: Unit C, 560 feet from East line,
660 feet from North line of Section 10,
Township 22-S Range 37-E, Lea County, New Mexico
4. Upper Zone Blinebry
5. Completion Interval 5584-5950'
6. Lower Zone Drinkard
7. Completion Interval 6295-6525'
8. Current Productivity Test Summary:

Blinebry
(Upper Zone)

Drinkard
(Lower Zone)

Proposed Values

Producing Method
Oil Bbl/day
Gas Mcf/day
Water Bbl/day

Flowing
2
300
0

Flowing
3.5
195
1

9. Bottom-hole Pressure of Upper Zone 494 psi
10. Bottom-hole Pressure of Lower Zone 477 psi
11. Fluid Characteristics of Each Zone 0.68 gas gravity

COMPUTATION OF RELATIVE
VALUES OF THE HYDROCARBON
PRODUCTIVE BEFORE AND
AFTER DOWNHOLE COMMINGLING
(STATEWIDE RULE 303-C-2-H)

Lease and Well No. Brunson Argo #18

	<u>Proposed Upper Pool</u>	<u>Lower Pool</u>	<u>Commingled</u>
Pool Name	Blinebry	Drinkard	
Selling price/MCF	2.00	2.00	2.00
Daily Production/MCF	300	195	495
Daily Income	<u>\$600.00</u>	<u>\$390.00</u>	<u>\$990.00</u>

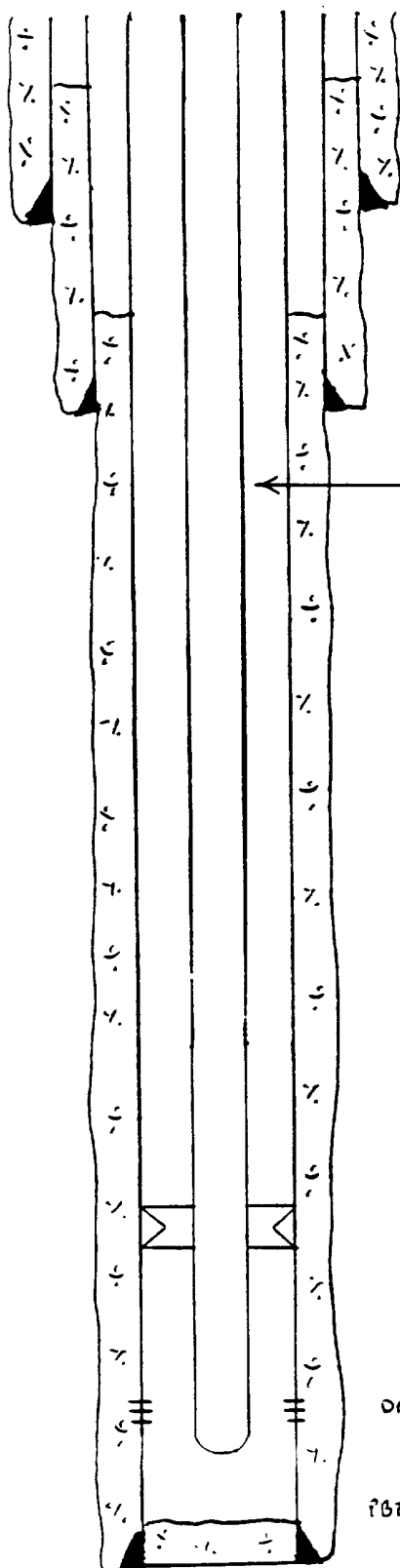
TOTAL DAILY INCOME
(POOLS SEPARATED) \$990.00

Net difference realized from downhole commingling \$600.00

REMARKS: An expense savings of \$55,000 for dual tubing, hanger and tie would be saved with single completion.

LOCATION BRUNSON-ARGO #1 SEC 10-T 22S-R 37E, LEA COUNTY, NEW MEXICO
 660' FNL & 2080' FWL ZONE DRINKARO FUNCTION PRODUCER
 DATUM 10' AGL G.L. 3427'

PRESENT



CONDUCTOR PIPE H-40
 Size 13-3/8 In. Weight 32/48* Lb.
 Set at 321 Ft. with 300 Sx.

SURFACE CASING
 Size 8-5/8 In. Weight 32* J-55 Lb. TOL AT 315' BY T.S.
 Set at 2851 Ft. with 1500 Sx.

PRODUCTION CASING
 Size 5-1/2 In. Weight 17* J-55 Lb. TOL AT 2100' BY T.S.
 Set at 6540 Ft. with 750 Sx.

PRODUCTION STRINGER: TOP: 206 JTS 2-3/8" TBG
 5-1/2" x 2-3/8" TAL AT 6191'
 10 JTS 2-3/8" TBG
 SN AT 6501'
 4' PN
 30' OPMA

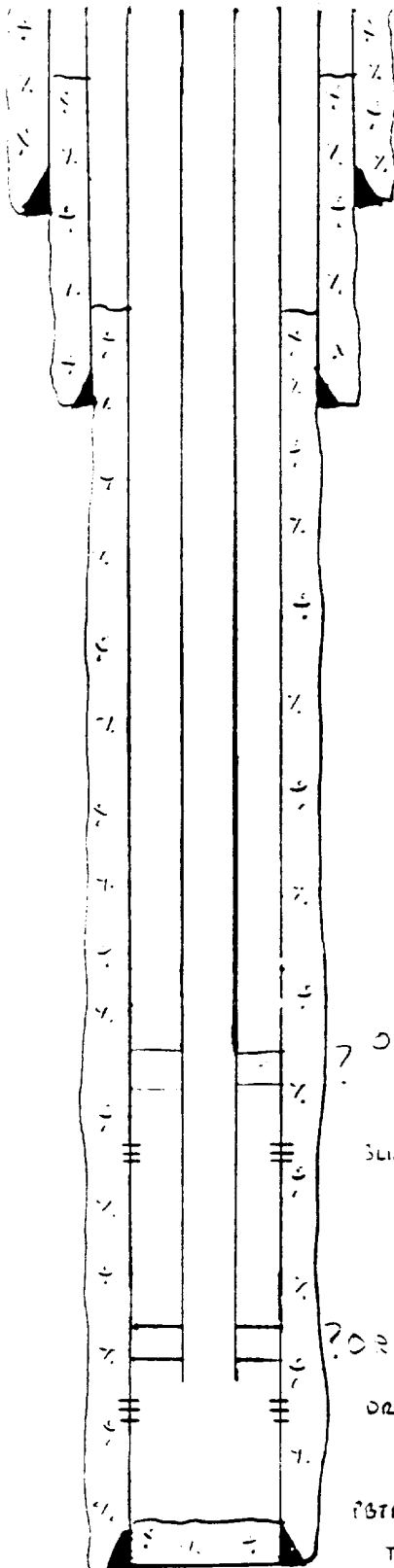
DRINKARO PERFS 6295 - 6525'

POTO 6535'
 TD 6540'

PREPARED BY: A. GARZA 8-9-73

LOCATION BRUNSON-ARGO 718 SEC 10-T 22S-R 31E, LEA COUNTY, NEW MEXICO
 550' FNL & 2080' FWL ZONE BLINEBRY/TUBB FUNCTION PRODUCER
 DATUM 10' AGL G.L. 3427'

PROPOSED



CONDUCTOR PIPE

Size 13 3/8 In. Weight 32/40^{M-40} Lb.
 Set at 321 Ft. with 300 Sx.

SURFACE CASING

Size 8-5/8 In. Weight 32# J-55 Lb. TOL AT 315' BY T.S.
 Set at 2851 Ft. with 1500 Sx.

PRODUCTION CASING

Size 5-1/2 In. Weight 17# J-55 Lb. TOL AT 2100' BY T.S.
 Set at 6540 Ft. with 750 Sx.

? OR Packer above Blinebry

BLINEBRY PERFS 5584-5950'

? OR Packer above Drinkard

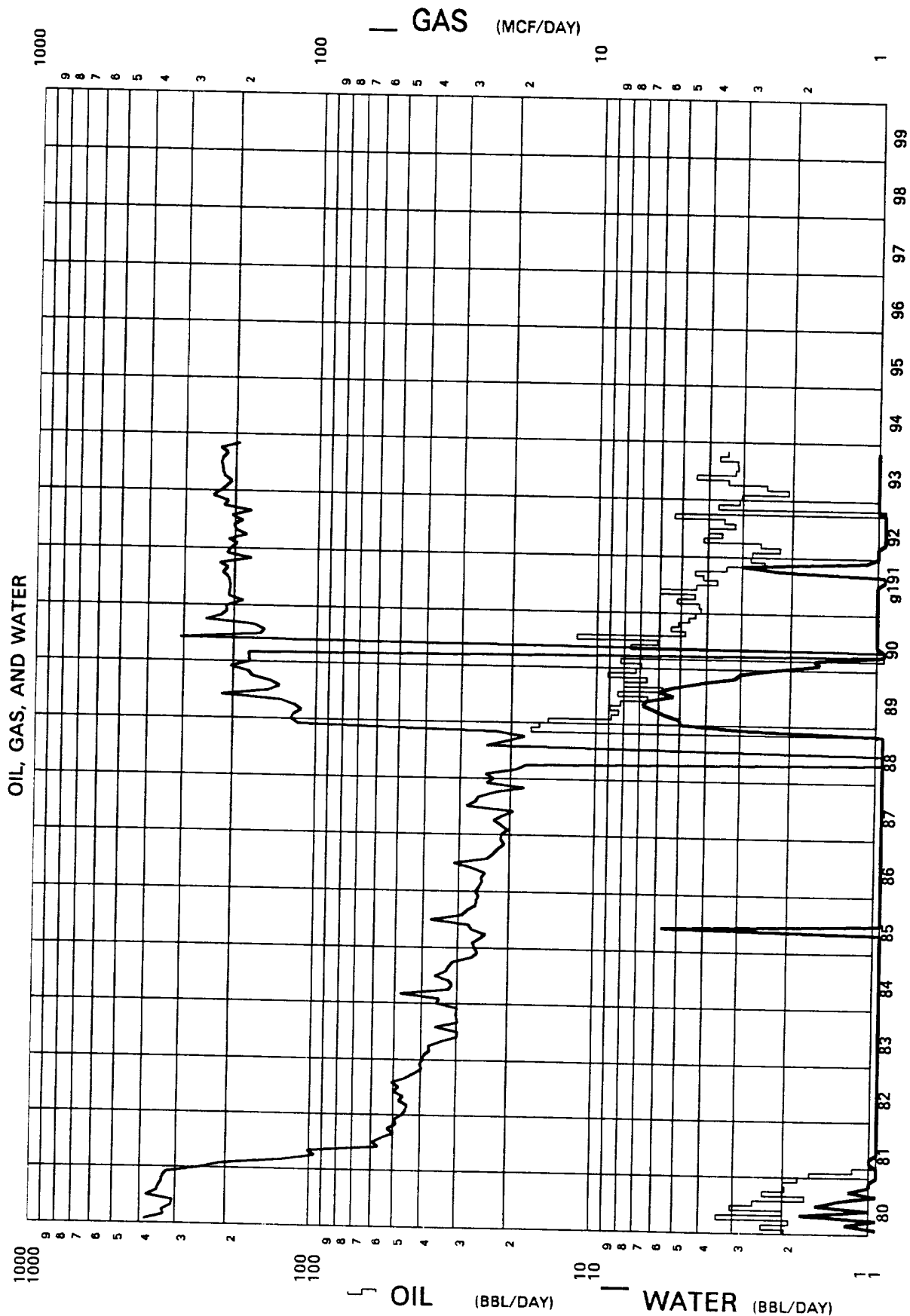
DRINKARD PERFS 6295-6525'

TO 6370

TO 6540'

PREPARED BY: DBH 11/15/93

Mobil Exploration & Producing U.S.



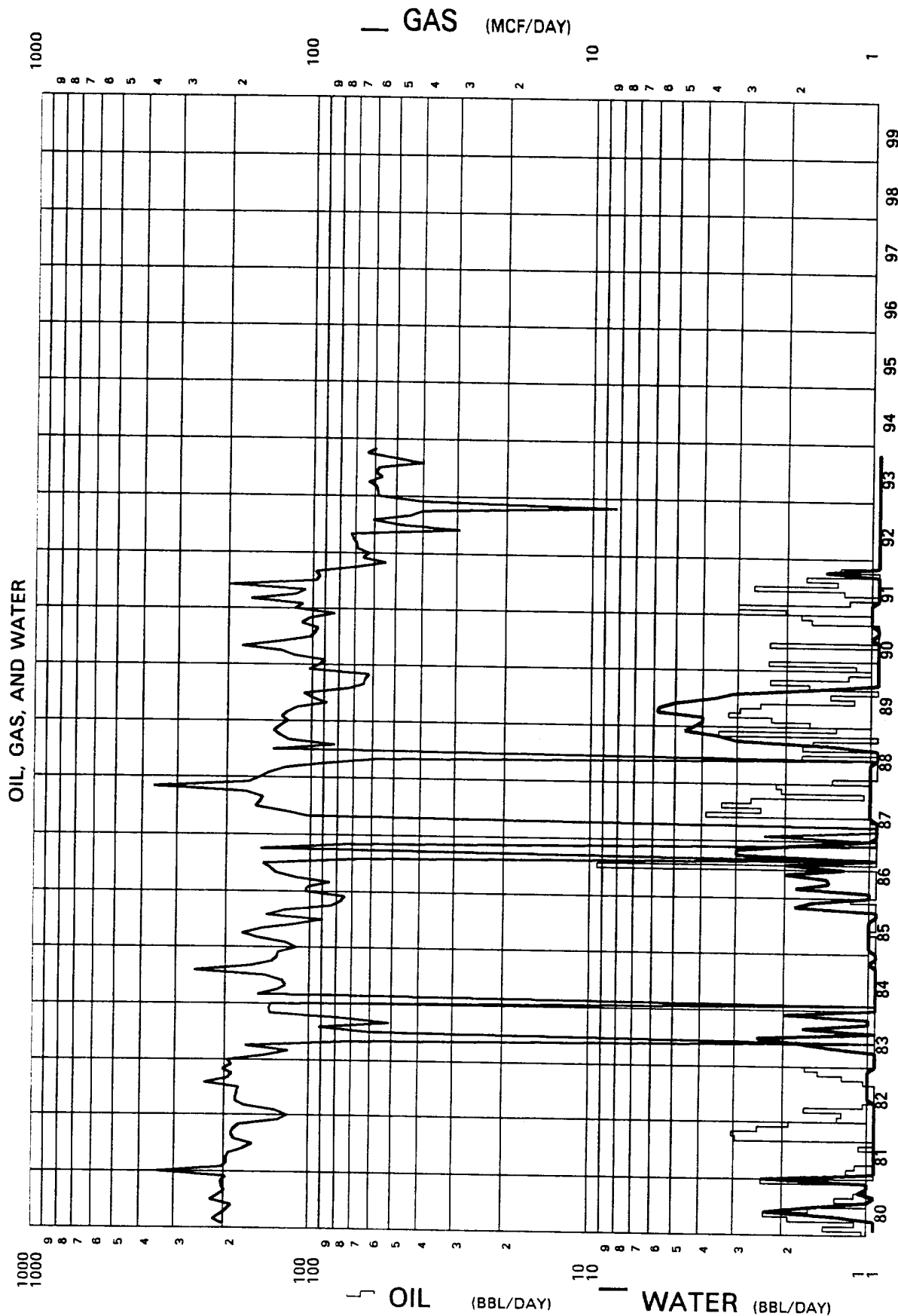
Field: DRINKARD
Lease: BRUNSON-ARGO
Operator: MOBIL OPERATED

District: 004
Oil Cum: 23677
Gas Cum: 2332175

Retrieval Code: „0404450056107

Date: Mon Dec 13 10:09:39 1993

Mobil Exploration & Producing U.S.

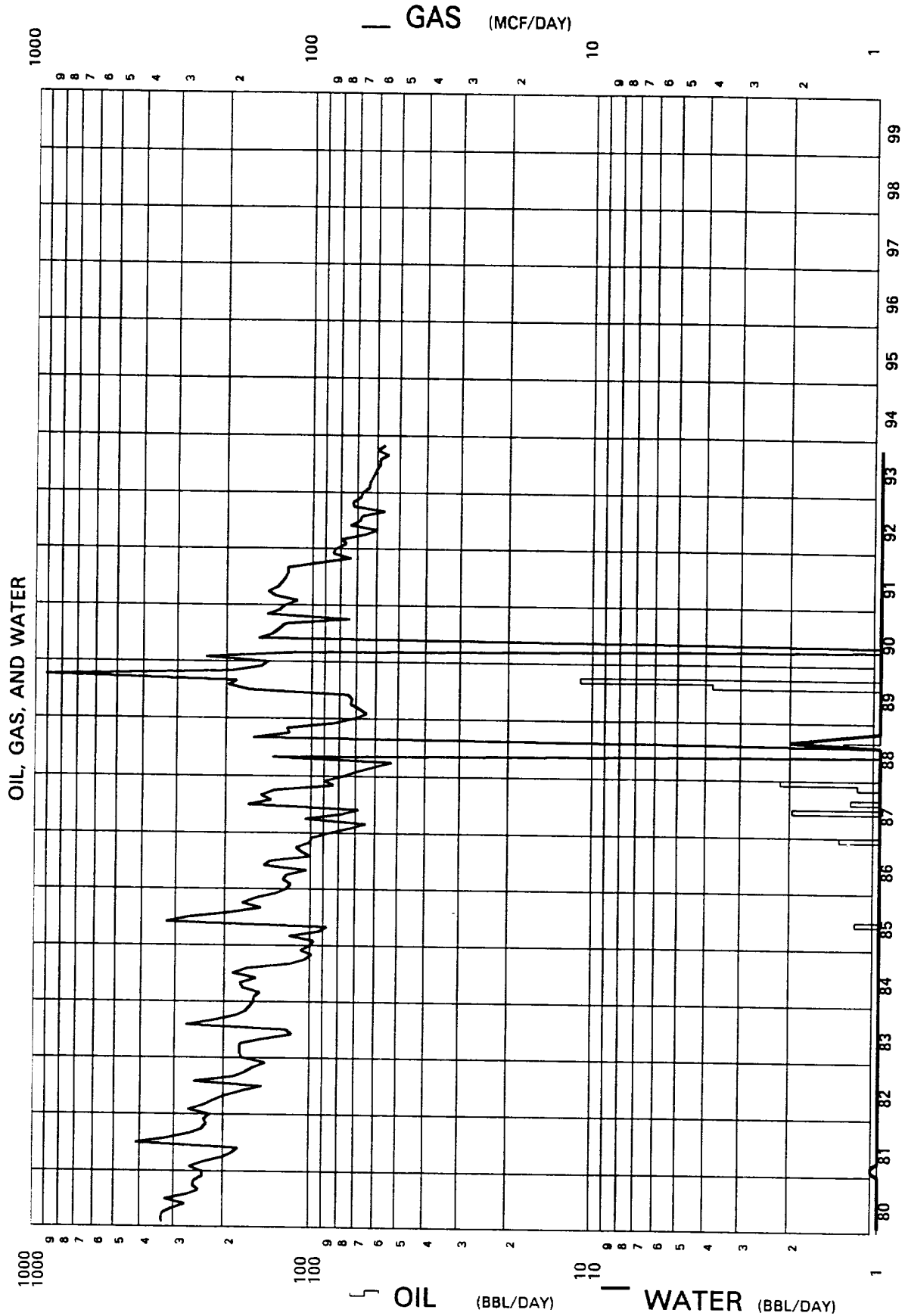


Field: BLINEBRY (OIL & GAS)
Lease: BRUNSON-ARGO
Operator: MOBIL OPERATED
District: 004
013 C Oil Cum: 12809
Gas Cum: 1897855

Retrieval Code: „0404230056107

Date: Mon Dec 13 10:09:39 1993

Mobil Exploration & Producing U.S.



Field: BLINEBRY (OIL & GAS) District: 004
Lease: BRUNSON-ARGO 006 C Oil Cum: 3204
Operator: MOBIL OPERATED Gas Cum: 3496358

Retrieval Code: „0404230056107

Date: Mon Dec 13 10:09:39 1993

District Office.

DISC I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer (D), Artesia, NM 88210

DISCUSSION

10000 Rio Brazos Rd., Aztec, NM 87410

~~Rex Galtley - L~~
~~L.D. McCrimmon - Hobbs~~
~~General Files - Midland~~
~~Proration Reg. File~~

Form C-116

Revised 1/1/89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

GAS - OIL RATIO TEST

Operator		Pool		County								
Mobil Producing Texas & New Mexico Inc.		DRINKARD		LFA								
Address/C/o Mobil Exploration & Producing U.S. Inc., 12450 Greenspoint Drive, Houston TX 77060-1991		TYPE OF TEST - (X)		Schedulable [X]								
LEASE NAME		DATE OF TEST		Completion []								
WELL NO.		LOCATION		Special []								
U		S		Special []								
T		R		Special []								
R		R		Special []								
DATE OF TEST		DATE OF TEST		Special []								
CHOKE SIZE		CHOKE SIZE		Special []								
TBG. PRESS.		TBG. PRESS.		Special []								
DAILY ALLOW-ABLE		DAILY ALLOW-ABLE		Special []								
LENGTH OF TEST HOURS		LENGTH OF TEST HOURS		Special []								
WATER BBL'S		WATER BBL'S		Special []								
PROD. GRAV. OIL		PROD. GRAV. OIL		Special []								
OIL BBL'S		OIL BBL'S		Special []								
GAS - OIL RATIO CU FT/BBL		GAS - OIL RATIO CU FT/BBL		Special []								
6T	E	10	22	37	3/3/93	P	38	24	0	0	87	-
10	G	09	22	37	3/2/93	F	50	24	0	0	50	-
13LT	A	09	22	37	3/6/93	P	55	24	0	0	67	-
15LT	F	10	22	37	3/15/93	F	60	24	0	0	198	-
17	D	10	22	37	3/8/93	P	35	24	1	37.3	114	57,000
18	C	10	22	37	3/9/93	P	30	24	1	-	221	110,000
3T	D	34	21	37	3/5/93	F	60	24	0	-	21	-
6	P	11	22	38	3/4/93	P	35	24	1	-	104	-
7	I	11	22	37	3/5/93	F	55	24	0	-	37	-
							DHC 762					
							Brunson Argo #13LT					
							Blaineby 72%					

Instructions:

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 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.

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

(See Rule 301, Rule 116 & appropriate pool rules.)

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

Signature

Patricia B. Sw
Printed name and title

4/27/93

late

Telephone No.

BRUNSON ARGO WELL NO. 18
OFFSET OPERATORS

Exxon Company USA
P.O. Box 1600
Midland, TX 79702-1600

Zia Energy, Inc.
P.O. Box 2219
Hobbs, NM 88241

Chevron USA
P.O. Box 1150
Midland, TX 79702

Hondo Oil & Gas Co.
P.O. Box 2208
Roswell, NM 88202-2208

Amerada Hess Corp.
1201 Louisiana, Suite 700
Houston, TX 77002

Oxy USA Inc.
P.O. Box 50250
Midland, TX 79710

Bliss Energy
P.O. Box 1392
Midland, TX 79702

Anadarko Petroleum Corp.
P. O. Box 1330
Houston, TX 77251-1330

Texaco Inc.
P.O. Box 2100
Denver, CO 80301

ARCO Oil and Gas Co.
P.O. Box 51408
Midland, TX 79702

John H. Hendrix Corp.
223 W. Wall, Suite 525
Midland, TX 79701-4519