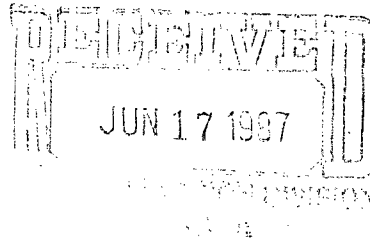


ARCO Oil and Gas Company
Central District
Post Office Box 1610
Midland, Texas 79702
Telephone 915 688 5200

May 27, 1987



Mr. William J. Lemay, Director
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Dear Mr. Lemay:

Application for Downhole Commingling of the
Justis Tubb/Drinkard and Justis Blinebry Pools
Wimberly WN Well No. 7
Section 23, T25S, R37E
Lea County, New Mexico

ARCO Oil and Gas Company respectfully requests administrative approval under the provisions of Rule 303-C to downhole commingle the Justis Tubb/Drinkard and Justis Blinebry pools in the Wimberly WN Well No. 7. This well is located in Section 23, T-25-S, R-37-E of Lea County, New Mexico.

The Wimberly WN No. 7 is located in the proposed Justis Blinebry-Tubb/Drinkard Unit waterflood area. Commingling this well will allow ARCO to retain it for possible use in the proposed waterflood.

Attached is the information requested by Rule 303-C for downhole commingling. Because the subject well is currently open only in the Blinebry, a decline curve and a bottom hole pressure for the Tubb/Drinkard formation have been taken from ARCO's Wimberly WN No. 2. As part of the workover procedure, we plan to drill deeper to the Drinkard formation. Final production allocation can be based on the results of production tests before the zones are commingled.

Based on the information we have gathered and submitted, we believe that this request to commingle the Justis Blinebry and Justis Tubb/Drinkard is justified. Thank you for your time and consideration. If you have questions, please call me at 915-688-5441.

Very truly yours,

J. T. Uecker
Engineer

JTU/jbd
encl.

Wimberly WN No. 7
Information for Downhole Commingling

- a) Operator: ARCO Oil and Gas Company
P.O. Box 1610
Midland, TX 79702
- b) Lease, Well, Location, and Pools:

Wimberly WN No. 7
660' FNL & 1650' FEL
Section 23, T-25-S, R-37-E
Lea County, New Mexico
Justis Tubb/Drinkard and Justis Blinebry Pools
- c) Acreage Dedication and Offset Ownership:

(See Attachments)
- d) 24-Hour Productivity Test

(See Attached Form C-116)
- e) Decline Curve and Completion Resume

(See Attachments)
- f) Bottom Hole Pressures: (See Item K for additional information)

Blinebry: 270#
Tubb/Drinkard: 280#
- g) Fluid Compatibility:

No incompatibility suspected. Fluid is already commingled at ARCO's Wimberly battery.
- h) Effect of Downhole Commingling on Fluid Value:

Fluid values will not change. Blinebry and Tubb/Drinkard oil, water, and gas are already commingled at ARCO's Wimberly battery with no penalties.
- i) Allocation of Production - Based on Estimated Tubb/Drinkard production:
- | | <u>Oil</u> | <u>Gas</u> | <u>Water</u> |
|---------------|------------|------------|--------------|
| Tubb/Drinkard | 69% | 14% | 95% |
| Blinebry | 31% | 86% | 5% |
- j) Notification of Offset Operators:

All offset operators have been notified by certified mail of this downhole commingling application.

- k) Blinebry static bottom hole pressure was measured from Wimberly WN No. 7, and Tubb/Drinkard static bottom hole pressure was measured from Wimberly WN No. 2, which offsets No. 7 $\frac{3}{4}$ of one mile to the east.

**OFFSET OPERATORS
WIMBERLY WN LEASE**

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

Cities Service Oil and Gas Corporation
P. O. Box 1919
Midland, Texas 79702

John H. Hendrix Corporation
223 West Wall, Suite 525
Midland, Texas 79701

Terra Resources
10 Desta Drive, Suite 500 West
Midland, Texas 79705

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

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

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



May 18, 1987

CERTIFIED, RETURN RECEIPT
REQUESTED

**OFFSET OPERATORS
WIMBERLY WN LEASE**

Gentlemen:

Notification of Intent to Downhole Commingle the
Justis Tubb/Drinkard, and Blinebry Pools
Wimberly WN No. 7
660' FNL & 1650' FEL
Section 23, T-25-S, R-37-E
Lea County, New Mexico

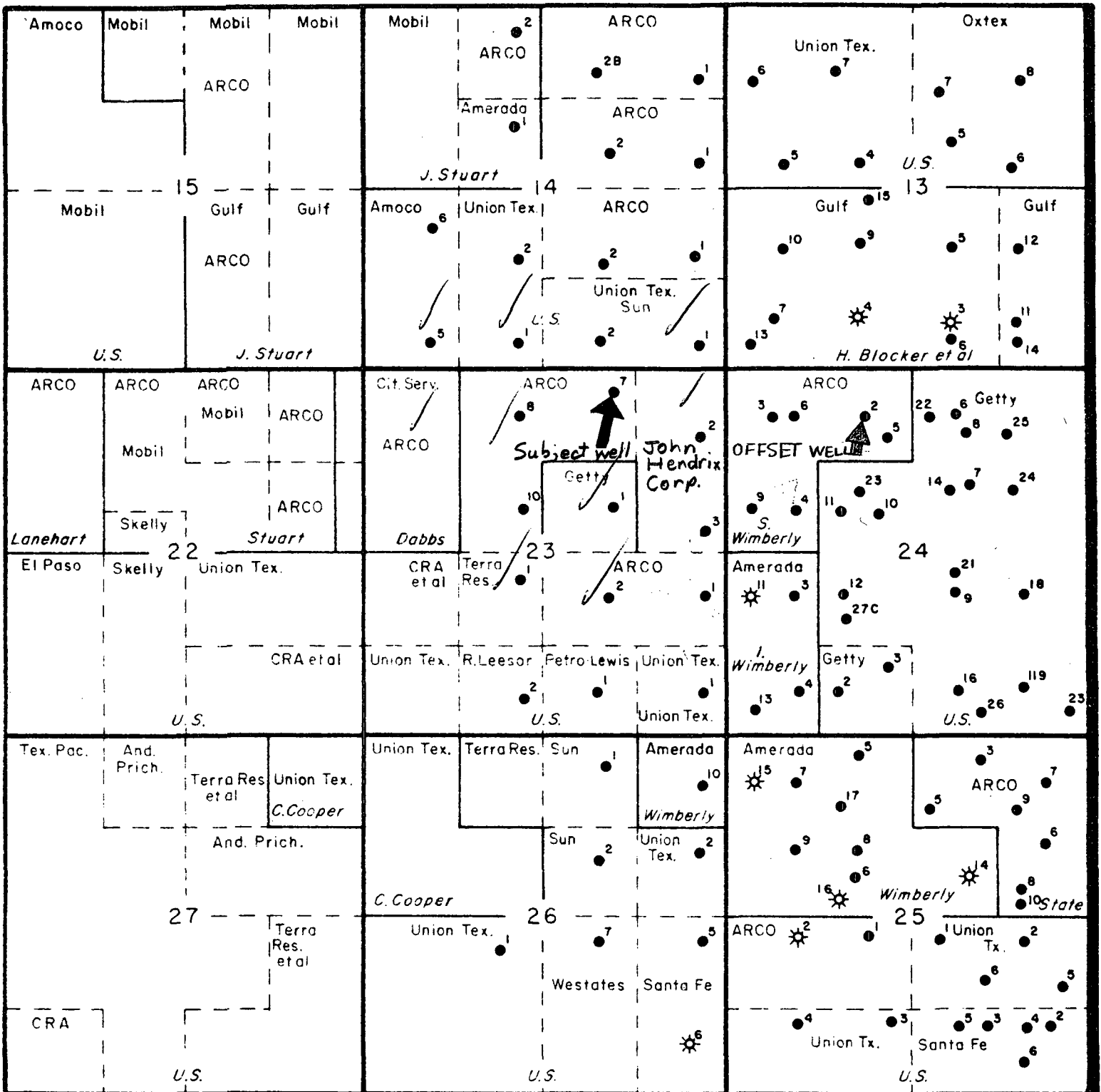
In accordance with New Mexico Oil Conservation Division regulations,
you are hereby notified of ARCO Oil and Gas Company's application
to downhole commingle production from the Justis Tubb/Drinkard,
and Blinebry pools in the Wimberly WN No. 7 well.

Yours very truly,

J. T. Uecker
Junior Engineer

JTU:jbd

R 37 E



T
25
S

ARCO Oil and Gas Company 
Division of Atlantic Richfield Company
Permian District Midland, Texas

LEA COUNTY, NEW MEXICO

SCALE: 1" = 2000'

By: C. ELLIS	Drawn By:	Date: 1-85
Date: 1-85	Revised By:	Date:
Dept: WEST AREA ENGR.	Dwg. No.:	

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

FORM 5-1
Revised 5/1/57

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

SECTION A

Operator WESTERN NATURAL GAS CO.		Lease WIMBERLY		Well No. 1032 APR 30 AM 7:19
Unit Letter B	Section 23	Township 25 SOUTH	Range 37 EAST	County LEA

Actual Footage Location of Well:

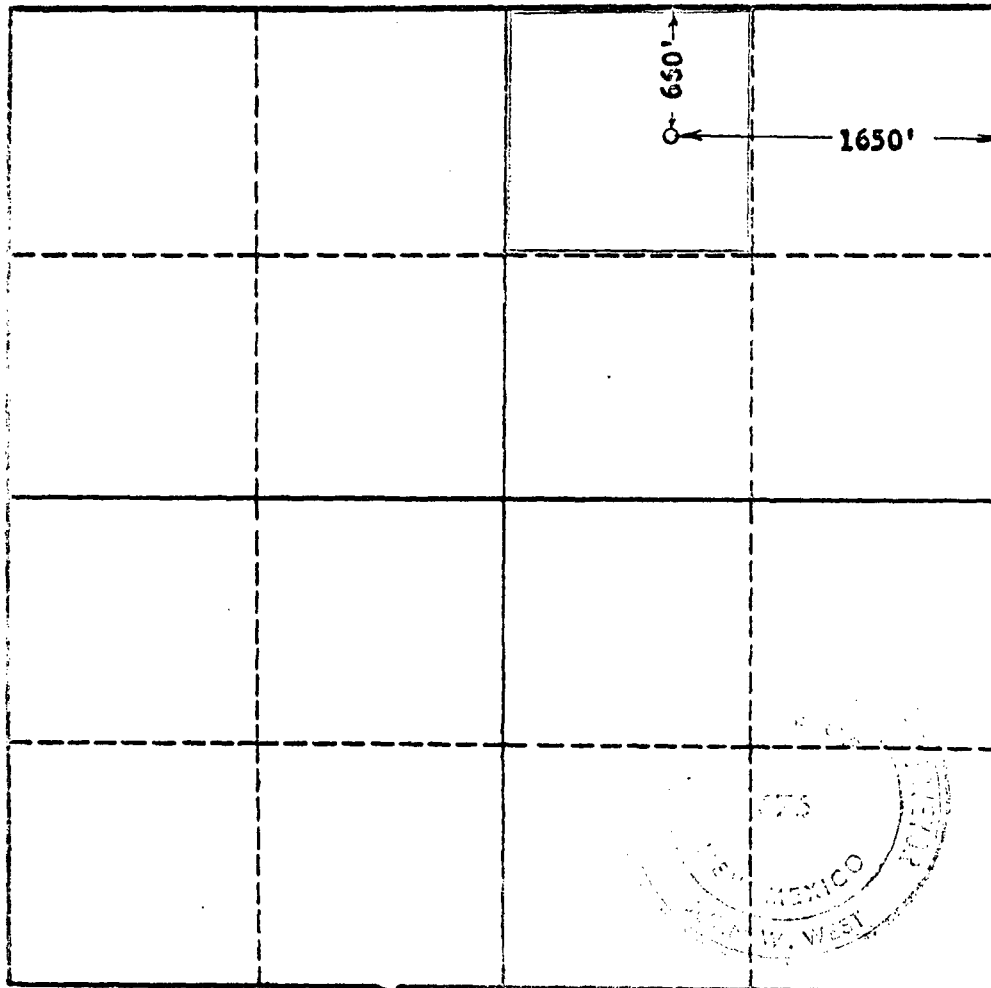
360 feet from the NORTH line and 1650 feet from the EAST line

Ground Level Elev. 3244.0	Producing Formation Justis Blinberry & Tubb Drinkard	Pool Justis Blinberry & Justis Tubb Drinkard	Dedicated Acreage: 40 Acres
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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

Office Manager

Company

WESTERN NATURAL GAS COMPANY

April 19, 1962

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

4-17-1962

Registered Professional Engineer and/or Land Surveyor, JOHN W. WEST

Certificate No.

N.M. - P.E. & L.S. NO. 670

0 350 650 950 1250 1550 1850 2150 2450 2750 3050 3350 3650 3950 4250 4550 4850 5150 5450 5750 6050 6350 6650 6950 7250 7550 7850 8150 8450 8750 9050 9350 9650 9950 10250 10550 10850 11150 11450 11750 12050 12350 12650 12950 13250 13550 13850 14150 14450 14750 15050 15350 15650 15950 16250 16550 16850 17150 17450 17750 18050 18350 18650 18950 19250 19550 19850 20150 20450 20750 21050 21350 21650 21950 22250 22550 22850 23150 23450 23750 24050 24350 24650 24950 25250 25550 25850 26150 26450 26750 27050 27350 27650 27950 28250 28550 28850 29150 29450 29750 30050 30350 30650 30950 31250 31550 31850 32150 32450 32750 33050 33350 33650 33950 34250 34550 34850 35150 35450 35750 36050 36350 36650 36950 37250 37550 37850 38150 38450 38750 39050 39350 39650 39950 40250 40550 40850 41150 41450 41750 42050 42350 42650 42950 43250 43550 43850 44150 44450 44750 45050 45350 45650 45950 46250 46550 46850 47150 47450 47750 48050 48350 48650 48950 49250 49550 49850 50150 50450 50750 51050 51350 51650 51950 52250 52550 52850 53150 53450 53750 54050 54350 54650 54950 55250 55550 55850 56150 56450 56750 57050 57350 57650 57950 58250 58550 58850 59150 59450 59750 60050 60350 60650 60950 61250 61550 61850 62150 62450 62750 63050 63350 63650 63950 64250 64550 64850 65150 65450 65750 66050 66350 66650 66950 67250 67550 67850 68150 68450 68750 69050 69350 69650 69950 70250 70550 70850 71150 71450 71750 72050 72350 72650 72950 73250 73550 73850 74150 74450 74750 75050 75350 75650 75950 76250 76550 76850 77150 77450 77750 78050 78350 78650 78950 79250 79550 79850 80150 80450 80750 81050 81350 81650 81950 82250 82550 82850 83150 83450 83750 84050 84350 84650 84950 85250 85550 85850 86150 86450 86750 87050 87350 87650 87950 88250 88550 88850 89150 89450 89750 90050 90350 90650 90950 91250 91550 91850 92150 92450 92750 93050 93350 93650 93950 94250 94550 94850 95150 95450 95750 96050 96350 96650 96950 97250 97550 97850 98150 98450 98750 99050 99350 99650 99950 100250 100550 100850 101150 101450 101750 102050 102350 102650 102950 103250 103550 103850 104150 104450 104750 105050 105350 105650 105950 106250 106550 106850 107150 107450 107750 108050 108350 108650 108950 109250 109550 109850 110150 110450 110750 111050 111350 111650 111950 112250 112550 112850 113150 113450 113750 114050 114350 114650 114950 115250 115550 115850 116150 116450 116750 117050 117350 117650 117950 118250 118550 118850 119150 119450 119750 120050 120350 120650 120950 121250 121550 121850 122150 122450 122750 123050 123350 123650 123950 124250 124550 124850 125150 125450 125750 126050 126350 126650 126950 127250 127550 127850 128150 128450 128750 129050 129350 129650 129950 130250 130550 130850 131150 131450 131750 132050 132350 132650 132950 133250 133550 133850 134150 134450 134750 135050 135350 135650 135950 136250 136550 136850 137150 137450 137750 138050 138350 138650 138950 139250 139550 139850 140150 140450 140750 141050 141350 141650 141950 142250 142550 142850 143150 143450 143750 144050 144350 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444950 445250 445550 445850 446150 446450 446750 447050 447350 447650 447950 448250 448550 448850 449150 449450 449750 450050 450350 450650 450950 451250 451550 451850 452150 452450 452750 453050 453350 453650 453950 454250 454550 454850 455150 455450 455750 456050 456350 456650 456950 457250 457550 457850 458150 458450 458750 459050 459350 459650 459950 460250 460550 460850 461150 461450 461750 462050 462350 462650 462950 463250 463550 463850 464150 464450 464750 465050 465350 465650 465950 466250 466550 466850 467150 467450 467750 468050 468350 468650 468950 469250 469550 469850 470150 470450 470750 471050 471350 471650 471950 472250 472550 472850 473150 473450 473750 474050 474350 474650 474950 475250 475550 475850 476150 476450 476750 477050 477350 477650 477950 478250 478550 478850 479150 479450 479750 48005

GAS-OIL RATIO TESTS

LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST				GAS - OIL RATIO CU.FT./BBL
		TYPE OF TEST - (X)								WATER BBL.	GRAV. OIL	OIL BBL.	GAS M.C.F.	
		U	S	R										
Wimberly WN	3	D	24	25	37	3/16/86	P	7	24	1	35.2	7	188	26,857
"	5	C	24	25	37	2/04/86	P	5	24	0	35.6	4	97	24,250
"	7	B	23	25	37	2/06/86	P	14	24	1	37.2	15	100	6,666
"	8	C	23	25	37	2/11/86	P	17	24	29	36.1	13	20	1,538
"	9	E	23	25	37	2/24/86	P	4	24	0	37.8	4	8	2,000
"	10	F	23	25	37	2/23/86	P	5	24	9	35.6	4	5	1,250

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 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 201 and appropriate pool rules.

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

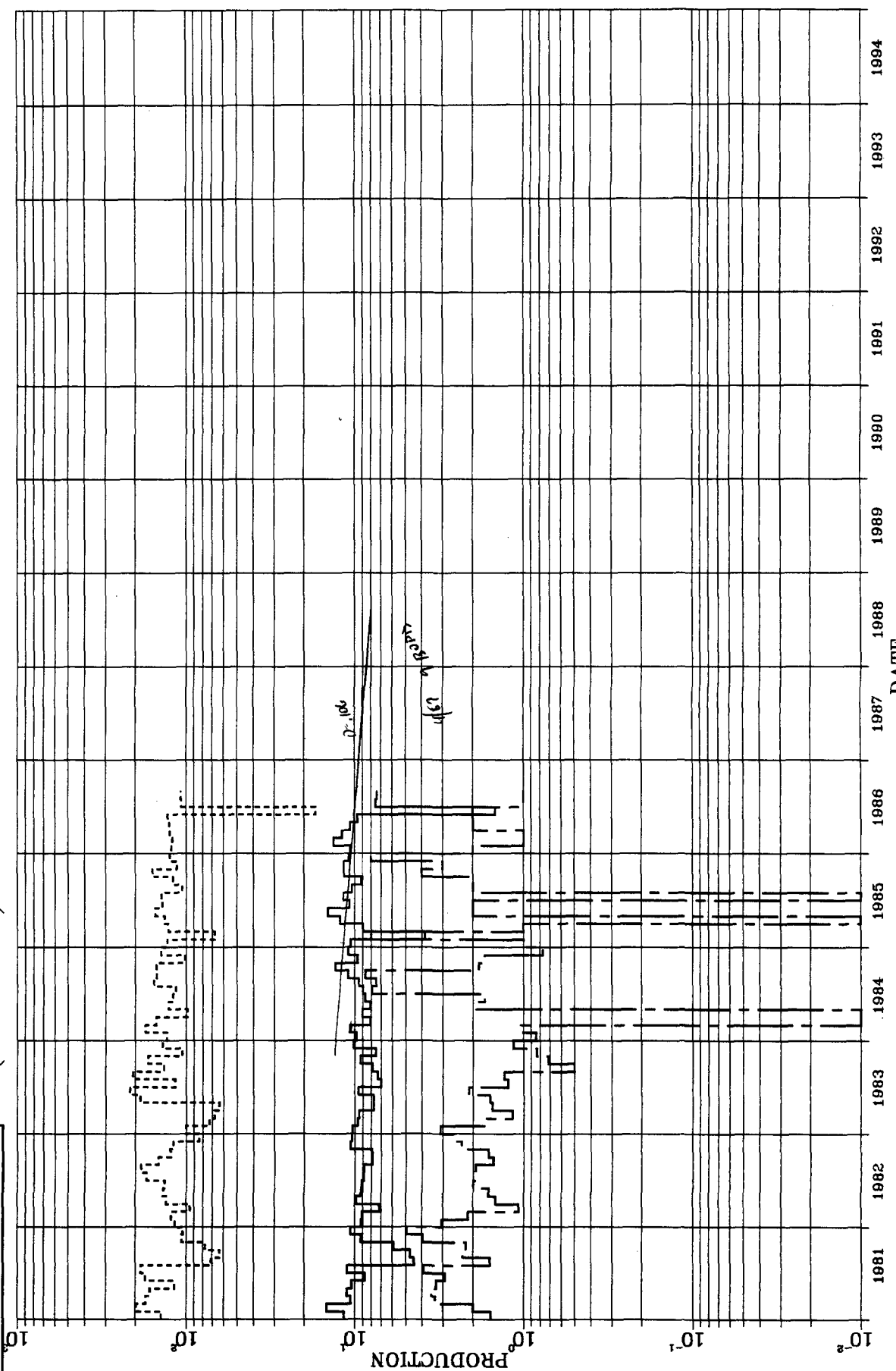
Shirley A. Dineen
(Signature)

Services Supv.

5/22/86
(Date)

STATE: NEW MEXICO COUNTY: LEA
 FIELD: JUSTIS
 LEASE: WIMBERLY WN,TRK WELL# 7
 (BLINEBRY) OPERATOR: ARCO OIL AND GAS COMPANY

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



STATE: NEW MEXICO COUNTY: LEA

FIELD: JUSTIS

LEASE: WIMBERLY WN,TRK WELL# 7

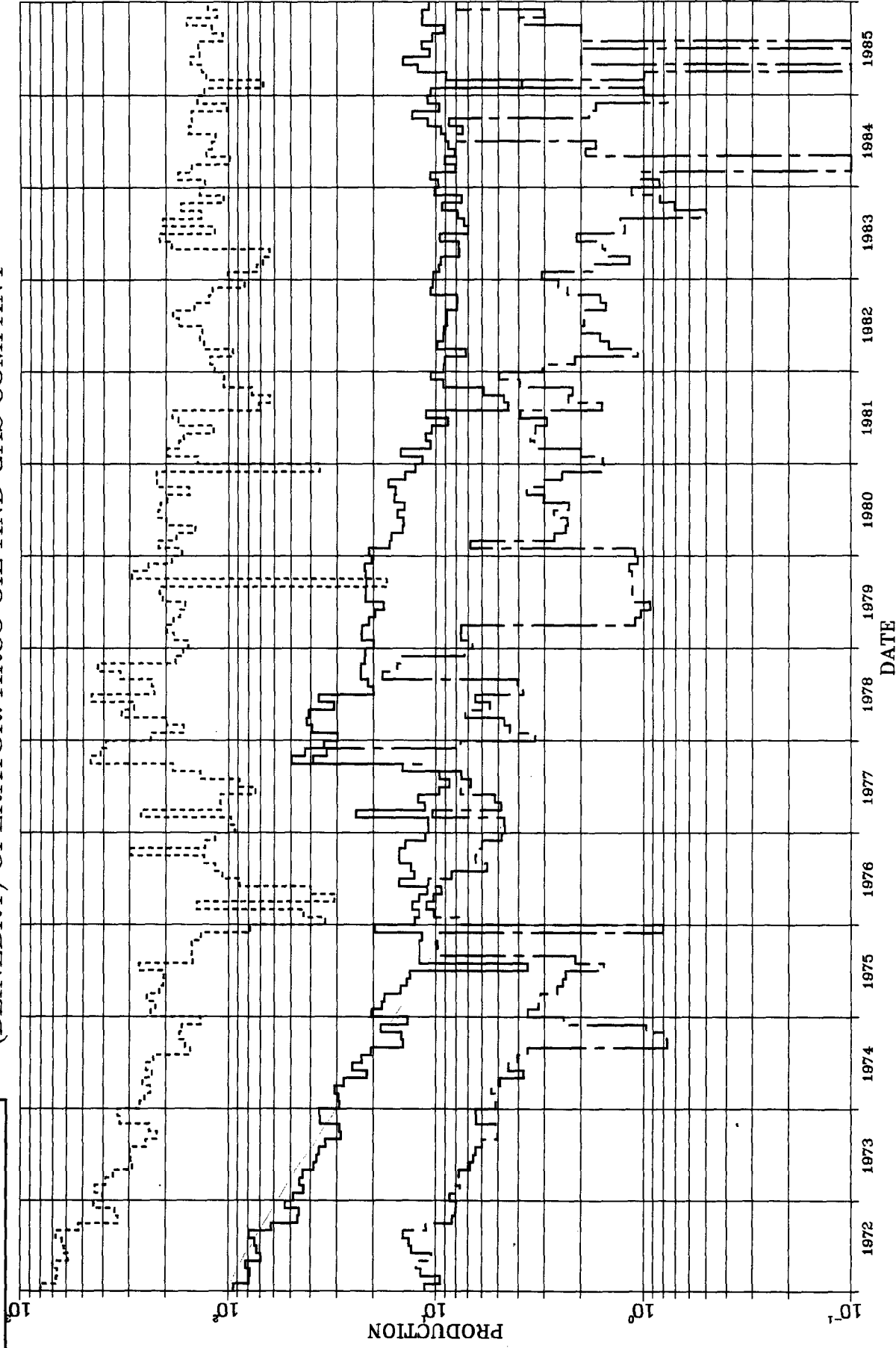
(BLINEBRY) OPERATOR: ARCO OIL AND GAS COMPANY

LEGEND

OIL PRODUCTION STBO/D

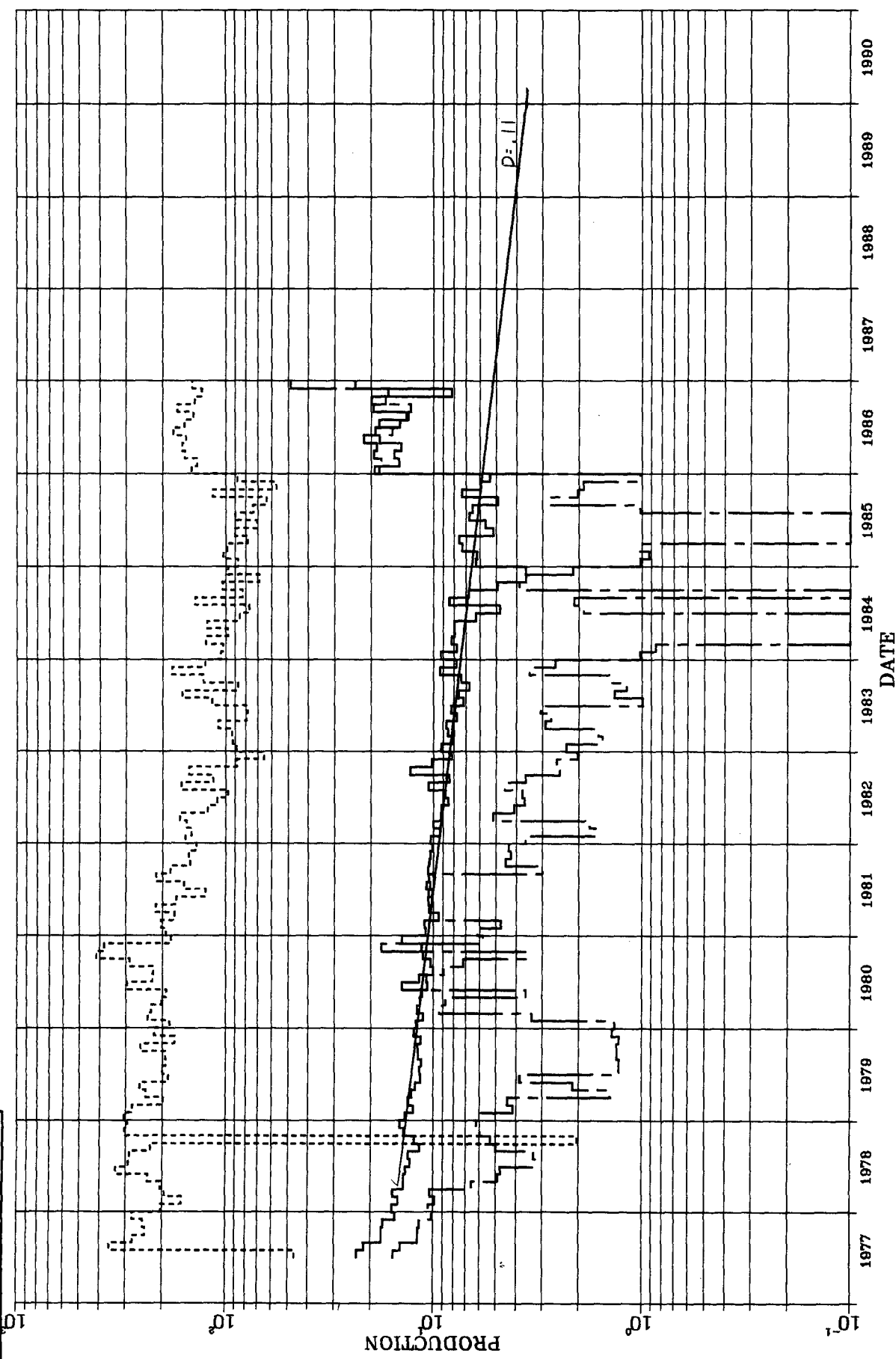
GAS PRODUCTION MCF/D

WATER PRODUCTION STBW/D



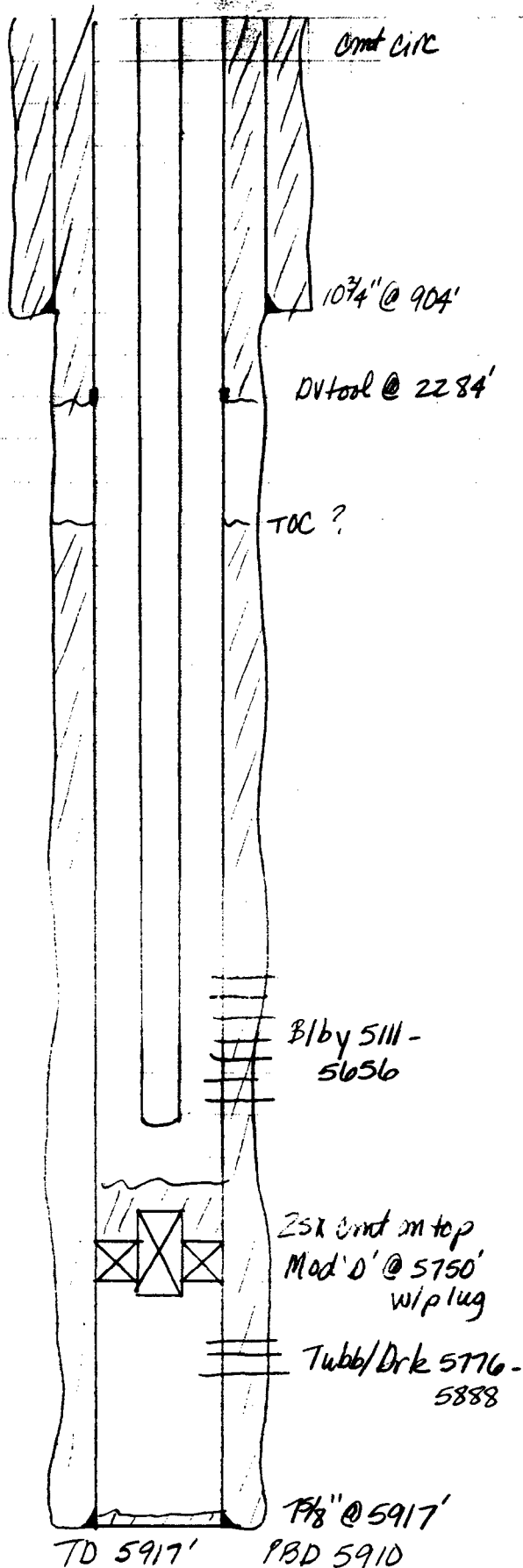
STATE: NEW MEXICO COUNTY: LEA
FIELD: JUSTIS TUBB DRINKARD TD
LEASE: WIMBERLY WN WELL# 000002
OPERATOR: ARCO OIL & GAS CO

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



General Purpose Worksheet

Subject	Wimberly WN #7	Page No.	Of
File		By	CWE
		Date	12/11/84



Spudded: 5-15-62
 Location: 6600' FNL + 1650' FEL
 Sec 23-T255-R37E
 Elevation: 3108' KB

Casing:
 10 3/4" 33# H-40 @ 904' Circ Cmt
 7 7/8" 34# N-80 + 33# J-55 + 26.4# J-55 @ 5917'
 DV tool @ 2284' Cmt to surf. 1st stage TOC unknown

History:
 Perf Blby 5324, 38, 46, 54, 80, 5418. A/1500. SOF/15/17. OPT F-412 BOPD
 Perf T/D 5826-62 25sf. A/2000. OPT-F59 BOPD. Set mod 'D' @ 5710'
 5/65: Add out pkr. Perf Drk 5776-80, 86-90, 5881-83, 86-88. A/1250. SOF/20/20. OPT-F 6180, 58W 1/5 hrs. Set mod 'D' @ 5750'
 4/71: P&A'd T/D - Set plug in pkr w/25x cmt. Perf Blby 5210, 42, 88, 5470, 5501, 66, 21, 24, 28, 50, 5637, 41, 56. A/2000. SWF/10/100.
 4/75: Perf Blby 5111, 16, 22, 33, 43, 16, 77. A/5470-5656/2000. A/5324-5418/510.
 A/5210-55/1000. A/5111-77/1000. SOF/5111-77/20/30.