

OIL CONSERVATION DIVISION  
RECEIVED

RELEASE 2-1-93  
Houston Division  
Production Operations, United States



Marathon  
Oil Company

'93 JAN 13 AM 8 52

P.O. Box 2409  
Hobbs, New Mexico 88240  
Telephone 505/393-7106

December 21, 1992

Mr. David Catanach  
Energy and Mineral Department  
Oil Conservation Division  
PO Box 2088  
Santa Fe, NM 87501

RE: Request for Exception to Rule 303-A  
Downhole Commingling  
Marathon Oil Company  
J.L. Muncy Well No. 6  
Unit I, 330' FEL and 1920' FSL  
Section 24, T-22-S, R-37-E  
Tubb Gas and Blinebry Oil Formations  
Drinkard Field  
Lea County, New Mexico

Dear Mr. Catanach:

Marathon Oil Company requests administrative approval for an exception to Rule 303-A to permit the downhole commingling of production in the above subject well from the Tubb Gas and Blinebry Oil Pools in Lea County, New Mexico.

Currently, the well is dual completed with the Tubb Gas flowing up the long string and Blinebry pumping up the short string. Allowing the commingling of the two zones, would extend the economic life of the well by maximizing production, and minimizing any associated waste.

Enclosed is pertinent data supporting this application as outlined in Rule 303-C. If additional information is necessary, please contact me at (505) 393-7106.

Sincerely,

A handwritten signature in cursive script that reads 'S.P. Guidry'.

S.P. Guidry  
Northwest Operations  
Area Superintendent

SPG:RDG/9245/dw

xc: R.W. Tracy

REQUEST FOR EXCEPTION TO RULE 303-C  
J.L. MUNCY WELL NO. 6  
DRINKARD FIELD

- (a) Marathon Oil Company  
PO Box 2409  
Hobbs, New Mexico 88240
- (b) J.L. Muncy Well No. 6  
Unit I, 330' FEL and 1920' FSL  
Section 24, T-22-S, R-37-E  
Lea County, New Mexico  
Commingled Zones: Tubb Gas  
and Blinebry Oil
- (c) Plats (2) of area attached.
- (d) The Form C-116 for the Tubb Gas and Blinebry Oil are attached.  
The allocated production for each pool will be based on the  
current production decline and the latest GOR test.
- (e) Production decline curves for both the Tubb Gas and Blinebry  
Oil are attached.
- (f) Estimated bottom hole pressure for each zone:  
Tubb Gas - 400 psi  
Blinebry Oil - 400 psi
- (g) Marathon has surface commingled the liquids from these zones  
without any compatibility problems.
- (h) If the downhole commingling is approved, the artificial lift  
system will extend the economic life of the well by maximizing  
production and thus avoid waste. The value of the produced  
hydrocarbons will not be altered by commingling the  
production.
- (i) Production from the latest GOR test shows as follows:

<u>Name</u>	<u>Oil (BOPD)</u>	<u>GAS (MCFD)</u>	<u>Water (BWPD)</u>
Tubb	0	245	0
Blinebry Oil	3	50	1
Total	3	295	1

Allocated percentages should be:

<u>Name</u>	<u>Oil (%)</u>	<u>Gas (%)</u>	<u>Water (%)</u>
Tubb	0	83	0
Blinebry Oil	100	17	100

- (j) Ownership of the two pools to be commingled in common and  
correlative rights will not be violated.
- (k) By copy of this letter, we are notifying all offset operators  
of the proposed commingling by certified mail.

OFFSET OPERATORS

J.L. MUNCY LEASE  
LEA COUNTY, NEW MEXICO

Chevron Oil Company  
PO Box 670  
Hobbs, NM 88240

Hanson Operating company  
PO Box 1515  
Roswell, NM 88202-1515

Phillips Petroleum Company  
4001 Penbrook  
Odessa, TX 79762

John Hendrix  
525 Midland Tower  
Midland, TX 79701

Crown Central Petroleum  
Building K, Suite 200  
731 West Wadley  
Midland, TX 79701

Sun Exploration & Production Company  
PO Box 1861  
Midland, TX 79702

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

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

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

WELL API NO.  
30-025-29218

5. Indicate Type of Lease  
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"  
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:  
OIL WELL ☐ GAS WELL ☐ OTHER Dual Oil & Gas Well

2. Name of Operator  
Marathon Oil Company

3. Address of Operator  
P.O. Box 2409, Hobbs, NM 88240

4. Well Location  
Unit Letter I : 330' Feet From The East Line and 1920' Feet From The South Line

Section 24 Township 22-S Range 37-E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)  
3323' 6L

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐  
OTHER: Downhole Commingling ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Request authorization to downhole commingle the Tubb Gas and Brunson, South (Drinkard Abo)

\*Tubb Gas and Blinebry Oil.

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

SIGNATURE 

TITLE Production Engineer

DATE 12/21/92

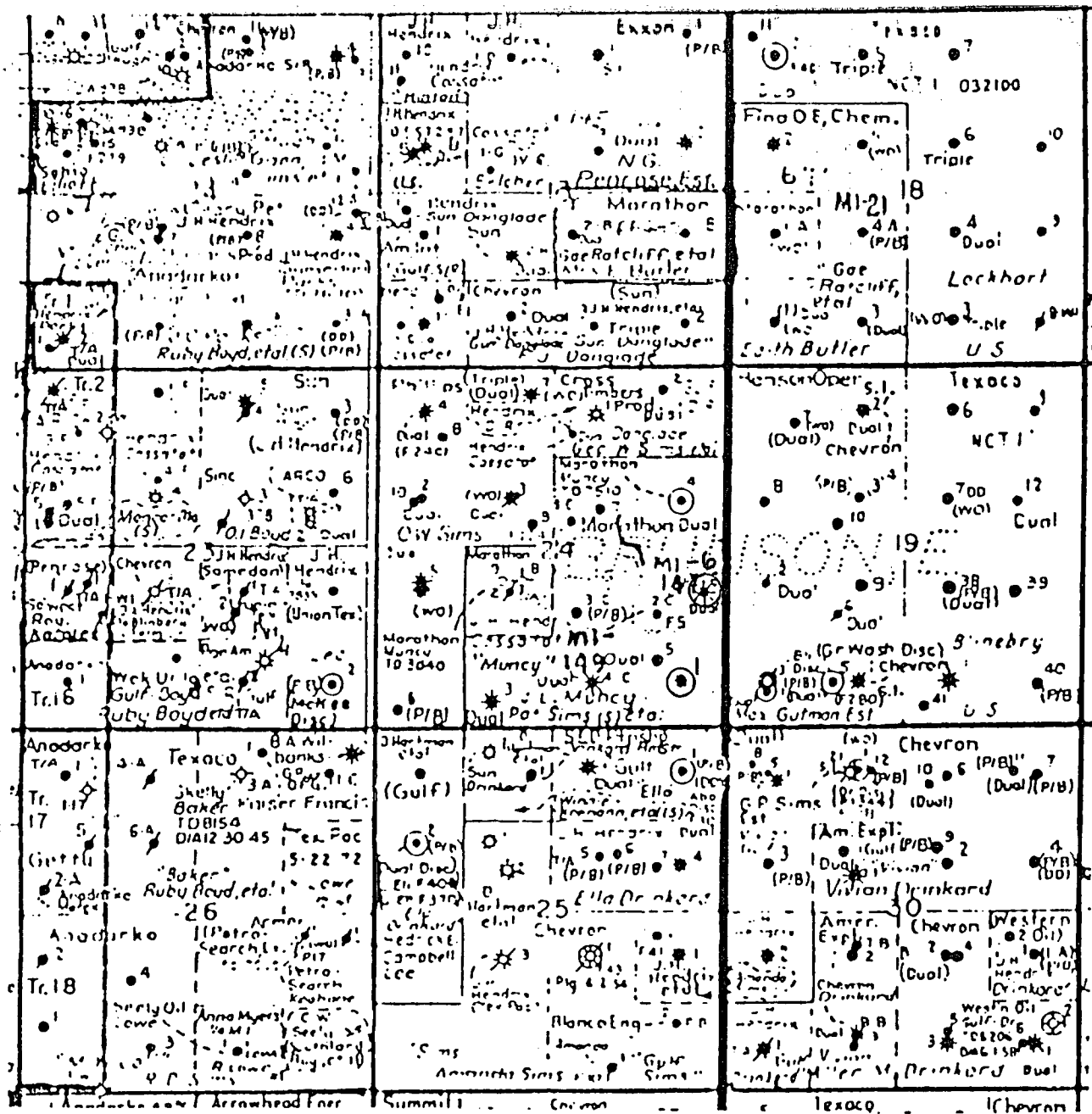
TYPE OR PRINT NAME Rick Gaddis

505-  
TELEPHONE NO. 393-7106

(This space for State Use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:



R-37-E

# DRINKARD FIELD

J.L. Muncy Lease  
Lea County, New Mexico

Land Plat

RDG- 11/30/92

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

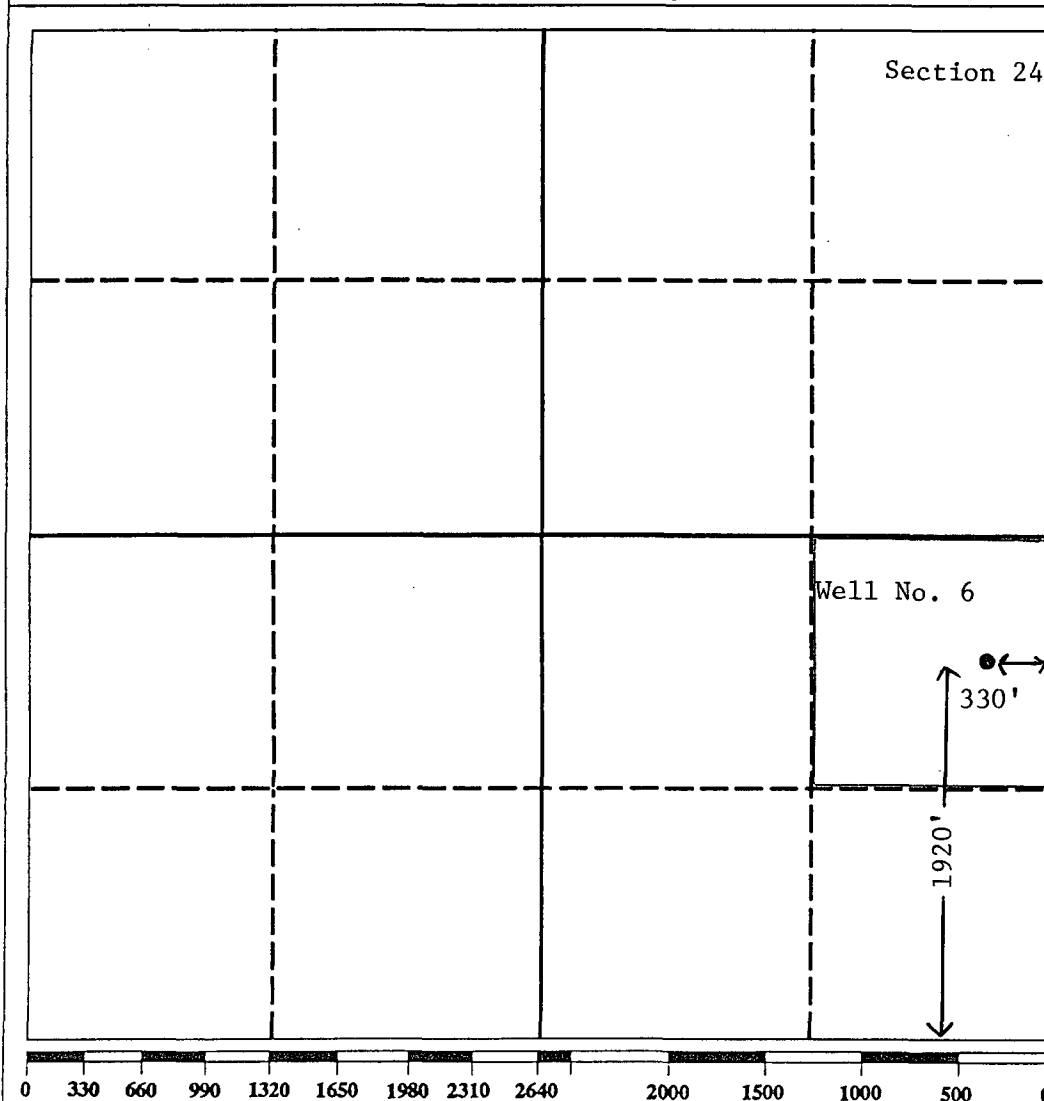
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Marathon Oil Company			Lease J.L. Muncy		Well No. 6
Unit Letter I	Section 24	Township 22-S	Range 37-E	County NMPM	Lea
Actual Footage Location of Well: 330 feet from the East line and 1920 feet from the South line					
Ground level Elev. 3323'	Producing Formation Blinebry Oil		Pool Drinkard - Blinebry		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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  
*[Signature]*

Printed Name  
Rick Gaddis

Position  
Production Engineer

Company  
Marathon Oil Company

Date  
December 01, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat 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

Signature & Seal of  
Professional Surveyor

Certificate No.

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

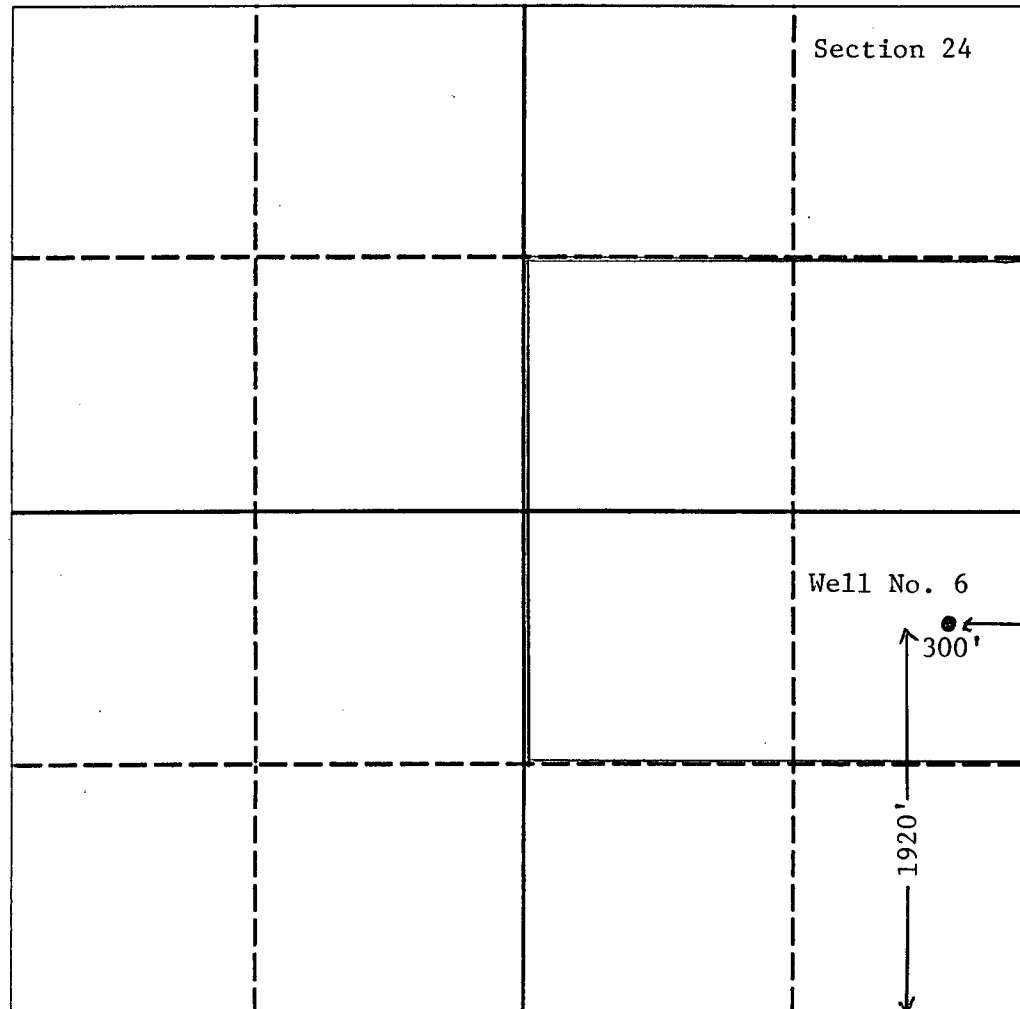
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WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Marathon Oil Company			Lease J.L. Muncy		Well No. 6
Unit Letter I	Section 24	Township 22-S	Range 37-E	NMPM	County Lea
Actual Footage Location of Well: 330 feet from the East line and 1920 feet from the South line					
Ground level Elev. 3323'	Producing Formation Tubb		Pool Drinkard - Tubb		Dedicated Acreage: 160 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

Rick Gaddis

Position

Production Engineer

Company

Marathon Oil Company

Date

December 21, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat 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

Signature & Seal of  
Professional Surveyor

Certificate No.

Submit 2 copies to Appropriate  
District Office.  
**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

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 Marathon Oil Company		Pool Blinebry Oil		County Lea											
Address P.O. Box 2409, Hobbs, NM 88240		TYPE OF TEST - (X)		Completion <input type="checkbox"/> Scheduled <input type="checkbox"/>											
LEASE NAME	WELL NO.	LOCATION			DAILY ALLOW- ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU FT/BBL.					
		U	S	T			R	WATER BBLs.	GRAV. OIL		OIL BBLs.	GAS M.C.F.			
J.L. Muncy	6	I	24	22	37	11-11-92 P	N/A	45 psi	N/A	24	1	N/A	3	50	16,667

#### 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.

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

(See Rule 301, Rule 1116 & appropriate pool rules.)

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



Signature

Rick Gaddis, Production Engineer

Printed name and title

12-21-92

Date

505-393-7106

Telephone No.



Submit 2 copies to Appropriate  
District Office.  
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

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 Marathon Oil Company		Pool Tubb Gas		County Lea												
Address P.O. Box 2409, Hobbs, NM 88240		TYPE OF TEST - (X)		Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/>												
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/BBLS.			
		U	S	T						R	WATER BBLs.	GRAV. OIL		OIL BBLs.	GAS M.C.F.	
J.L. Muncy	6	I	24	22	37	11/10/92	F	Open	40	Gas	24	0	N/A	0	245	N/A

#### 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.

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

*Rick Gaddis*

Signature

Rick Gaddis, Production Engineer

Printed name and title

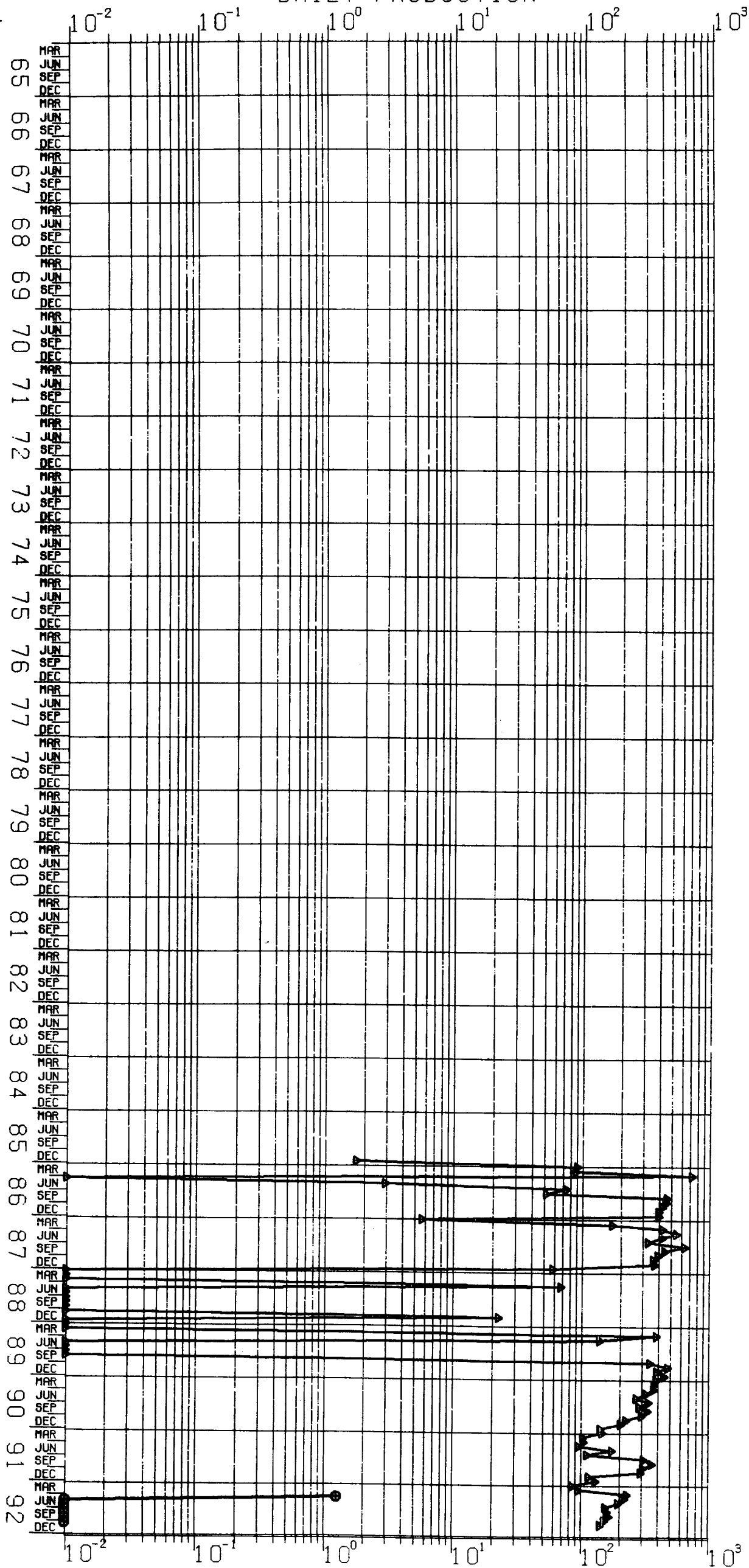
12-21-92

505-393-7106

Date

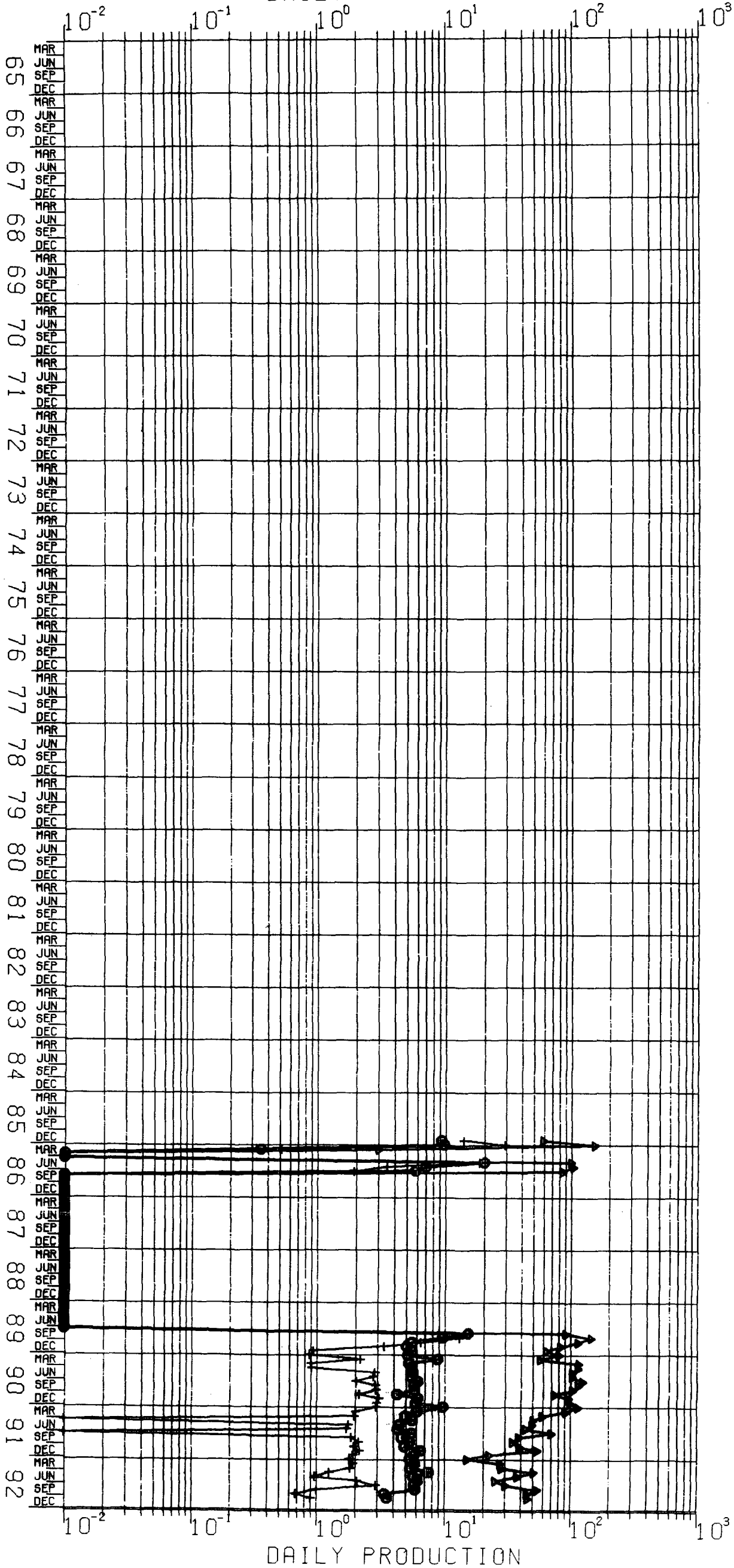
Telephone No.

FIELD - DRINKARD  
RESERVOIR - TUBB  
LEASE - MUNCY J L  
WELL - J. L. MUNCY-NO. 6



0+C CALENDAR DLY AVG \_\_\_\_\_  
GAS CALENDAR DLY AVG \_\_\_\_\_  
WTR CALENDAR DLY AVG \_\_\_\_\_

FIELD	-	DRINKARD
RESERVOIR	-	BLINERY
LEASE	-	MUNCY J L
WELL	-	J. L. MUNCY-NO. 6



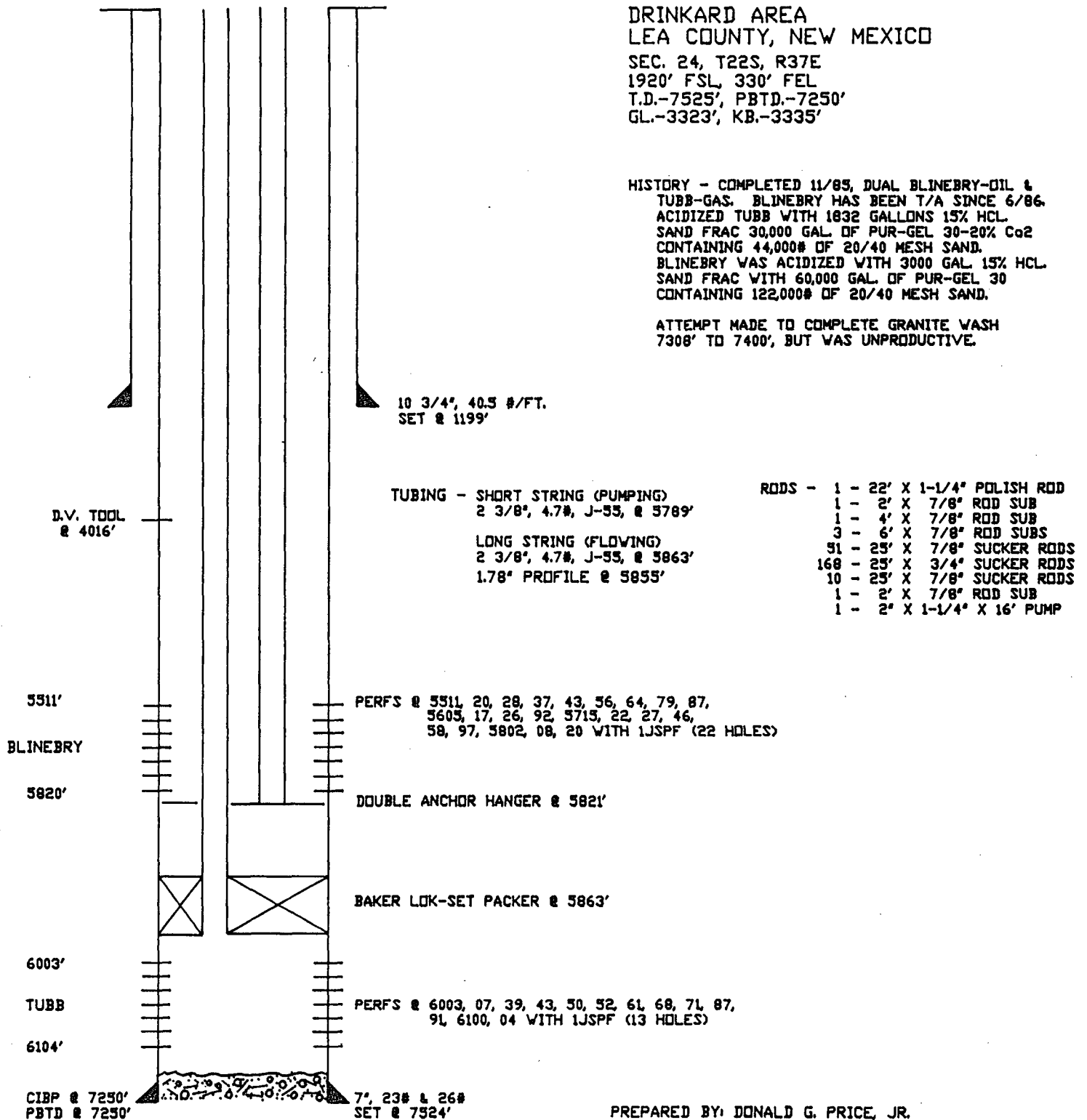
# J.L. MUNCY NO.6

DRINKARD AREA  
LEA COUNTY, NEW MEXICO

SEC. 24, T22S, R37E  
1920' FSL, 330' FEL  
T.D.-7525', P.B.T.D.-7250'  
GL.-3323', KB.-3335'

HISTORY - COMPLETED 11/85, DUAL BLINEBRY-OIL & TUBB-GAS. BLINEBRY HAS BEEN T/A SINCE 6/86. ACIDIZED TUBB WITH 1832 GALLONS 15% HCL. SAND FRAC 30,000 GAL. OF PUR-GEL 30-20% Co2 CONTAINING 44,000# OF 20/40 MESH SAND. BLINEBRY WAS ACIDIZED WITH 3000 GAL. 15% HCL. SAND FRAC WITH 60,000 GAL. OF PUR-GEL 30 CONTAINING 122,000# OF 20/40 MESH SAND.

ATTEMPT MADE TO COMPLETE GRANITE WASH 7308' TO 7400', BUT WAS UNPRODUCTIVE.



PREPARED BY: DONALD G. PRICE, JR.

\* DRAWING NOT SCALE