

may 6 1980

Due May 6, 1980

Houston Division
Production Operations, U.S. & Canada

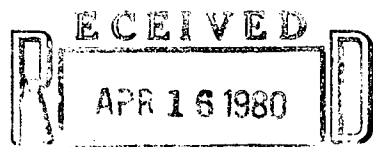


**Marathon
Oil Company**

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

PHC-314

April 9, 1980



OIL CONSERVATION DIVISION
SANTA FE

Mr. Joe D. Ramey
Energy and Minerals Department
Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87501

Re: Application of Marathon Oil Company for Approval of Down-Hole
Commingling of Production in the J. L. Muncy No. 4 (Unit H,
Sec. 24-22S-37E), Drinkard and Blinebry Oil Pools, Lea County,
New Mexico

Dear Mr. Ramey:

Marathon Oil Company requests your administrative approval for an
exception to Rule 303-A to permit downhole commingling of production
in the subject well from the Blinebry and Drinkard Pools.

Currently, the Blinebry Zone is dead on this well and will not flow.
Upon approval to downhole commingle, we will artificially lift both
zones with a pumping unit.

Additional information concerning this application as outlined in Rule
303-C is attached for your consideration.

Very truly yours,

Patrick Burton

Pat N. Burton
Production Engineer

PNB:lbp

Enclosure

Blinebry O&G

DRINKARD OIL

Due May 6, 1980

Btm Ref-0 6933

May 40 BPD

4000 X Blinebry Oil & Gas Pool

Mr. Joe D. Ramey
NM Oil Conservation Commission



Rule 303-C-2 Information

- A. Operator: Marathon Oil Company
P.O. Box 2409
Hobbs, New Mexico 88240
- B. Lease: J. L. Muncy No. 4
Unit H, Sec. 24, T-22S, R-37E
Lea County, New Mexico
- C. Well was originally completed in the Blinebry, Drinkard, and Tubb Gas as a triple completion per Administrative Order MC-1809. The Tubb Gas Zone was then squeezed off and the well was completed as a Blinebry and Drinkard dual well.
- D. C-116 dated 4-2-80 for Drinkard zone is attached. The C-116 for the Blinebry oil zone is not attached because this zone is dead and will not flow; hence, no GOR could be obtained.
- E. Production decline curves for both the Blinebry and Drinkard zones are attached.
- F. Bottom Hole Pressure Data:
- | | |
|-----------------------|----------------------------|
| Blinebry: Datum-2400' | Pressure @ Datum 980 PSI* |
| Drinkard: Datum-3050' | Pressure @ Datum 1052 PSI* |
- *Estimates based on most recent available BHP data within vicinity of well.
- G. Fluid Characteristics:
- There is no evidence of incompatibility in fluids.
- H. Value of Commingled Fluids:
- Blinebry and Drinkard production have been surface commingled on this lease per Administrative Order PC-542, dated February 24, 1977. Since production is already commingled on the surface downhole commingling will not affect the price..
- I. All offset operators have been notified by a copy of this application:
- Petro-lewis Co. 401 Fort Worth Club Bld. Fort Worth, TX 76102
John H. Hendrix Co 525 Midland Tower Midland, TX 79701
Crown Central Pet. Co. 1002 Wilco Bld. Midland, TX 79701

**NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS**

C-116
Revised 1-1-65

Operator Marathon Oil Company		Pool Drinkard		County Lea												
Address P.O. Box 2409 Hobbs, NM 88240				TYPE OF TEST - (X) <input checked="" type="checkbox"/> Scheduled <input type="checkbox"/> Special												
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	STATUS	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL.		
		U	S	T							R	WATER BBLs.	GRAV. OIL BBLs.		GAS M.C.F.	
J.L. Muncy	4	H	24	22S	37E	4-2-80	F	42/64	70	3	24	0	36	1	5	5000



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 Commission.

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.

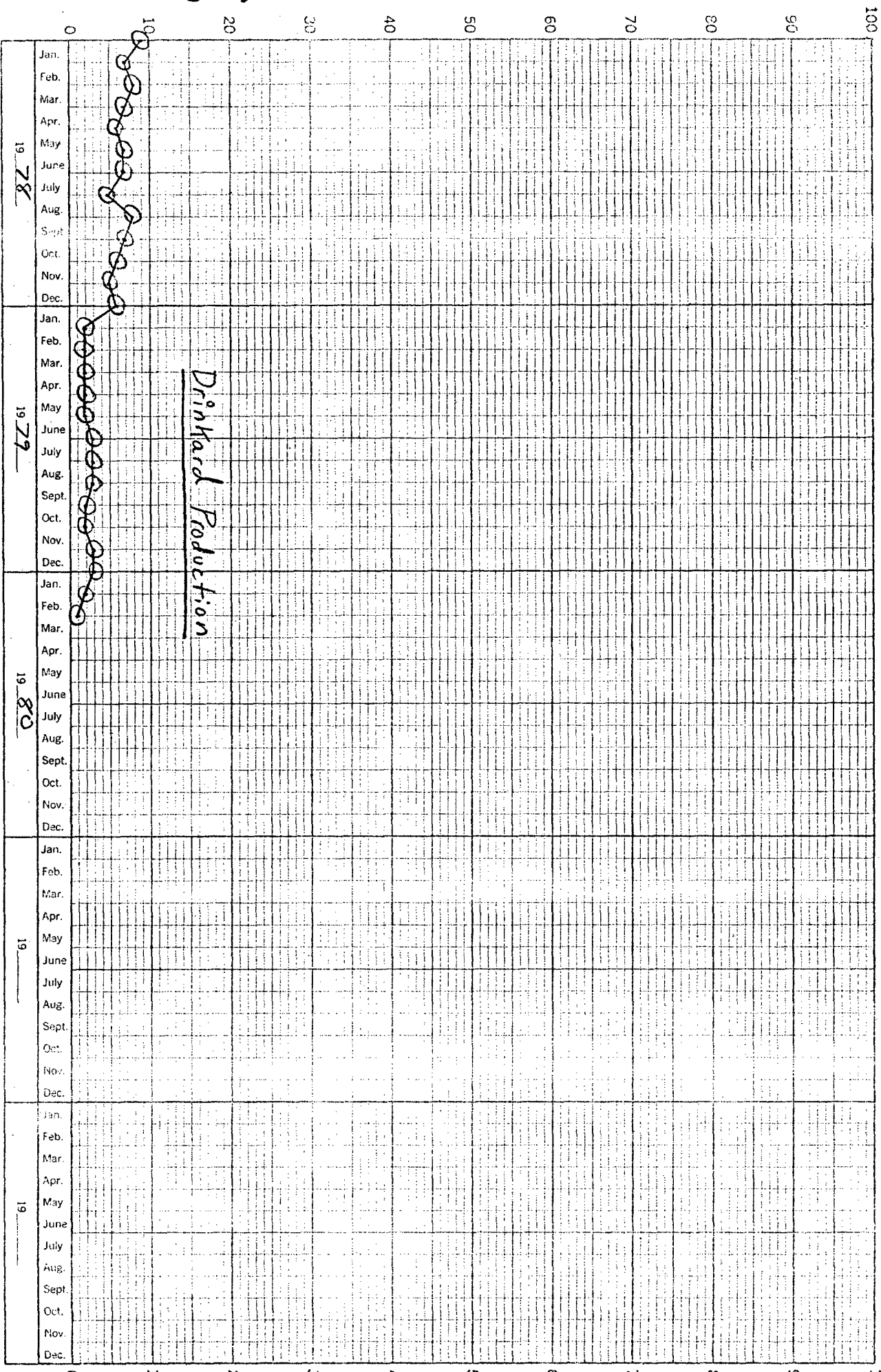
Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission 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.

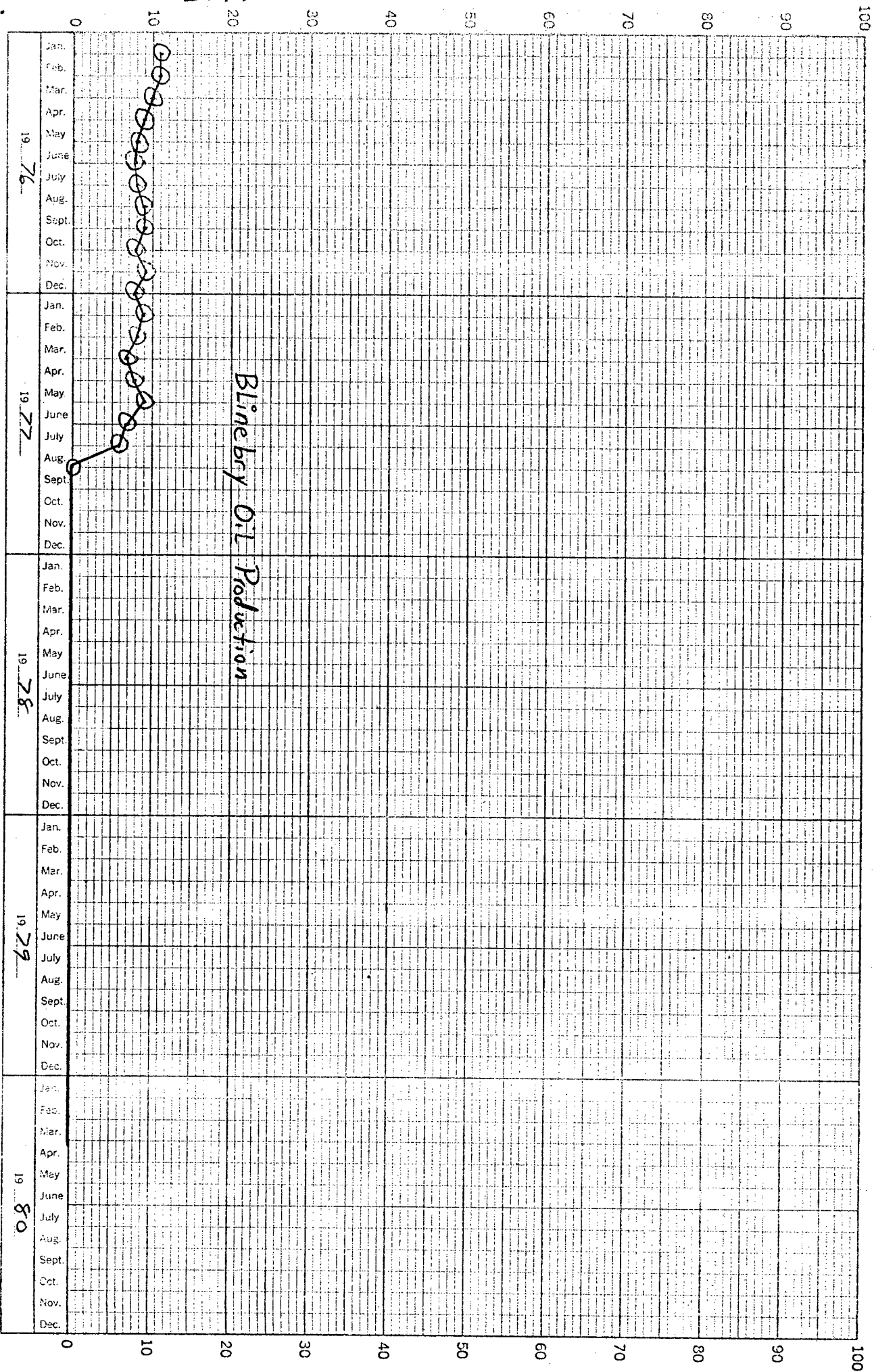
Patrick Burt
 (Signature)
 Production Engineer
 4-9-80
 (Date)

BOPD



J.L. Muncy #4
Marathon Oil Co.

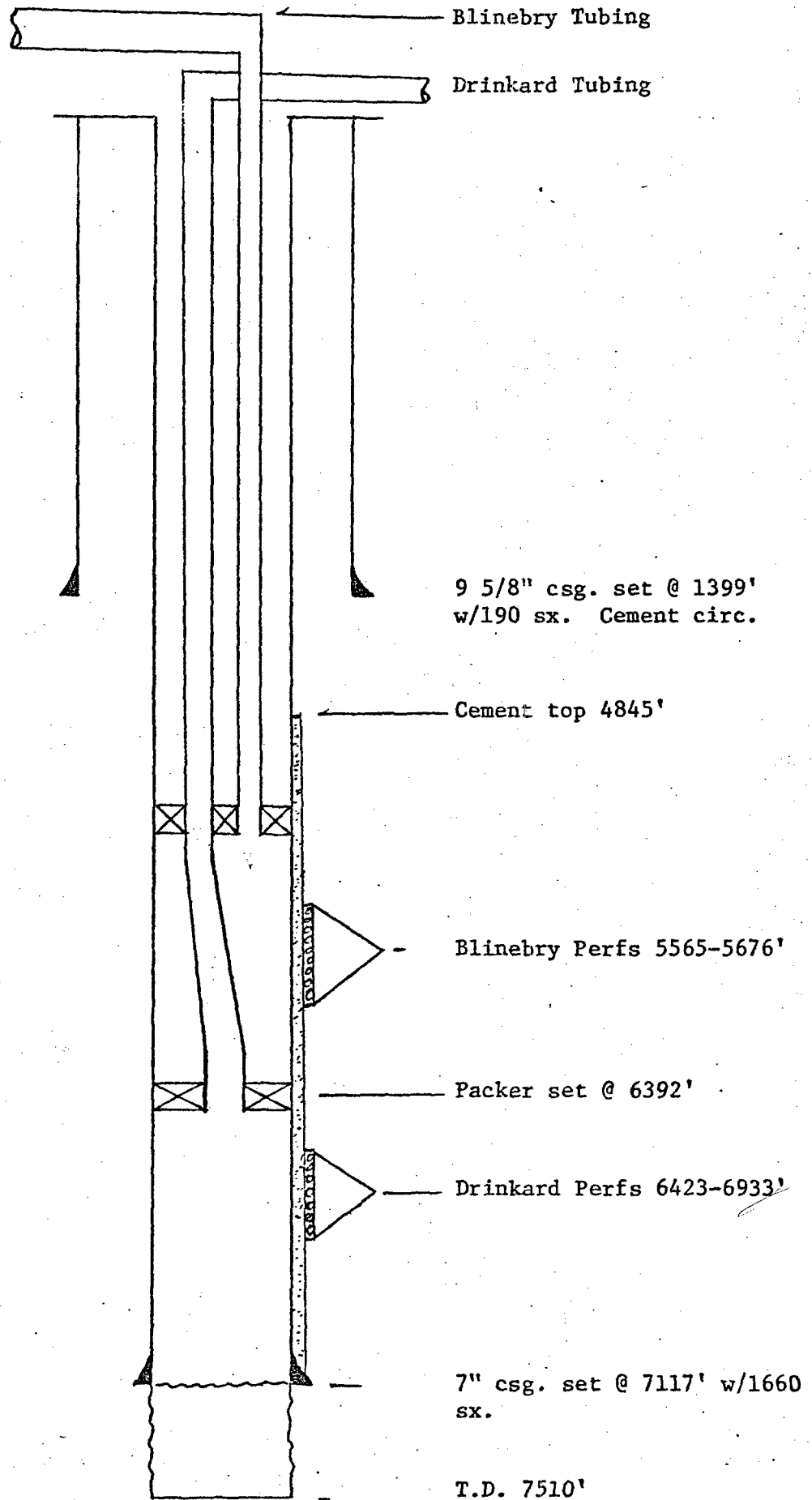
BOPD

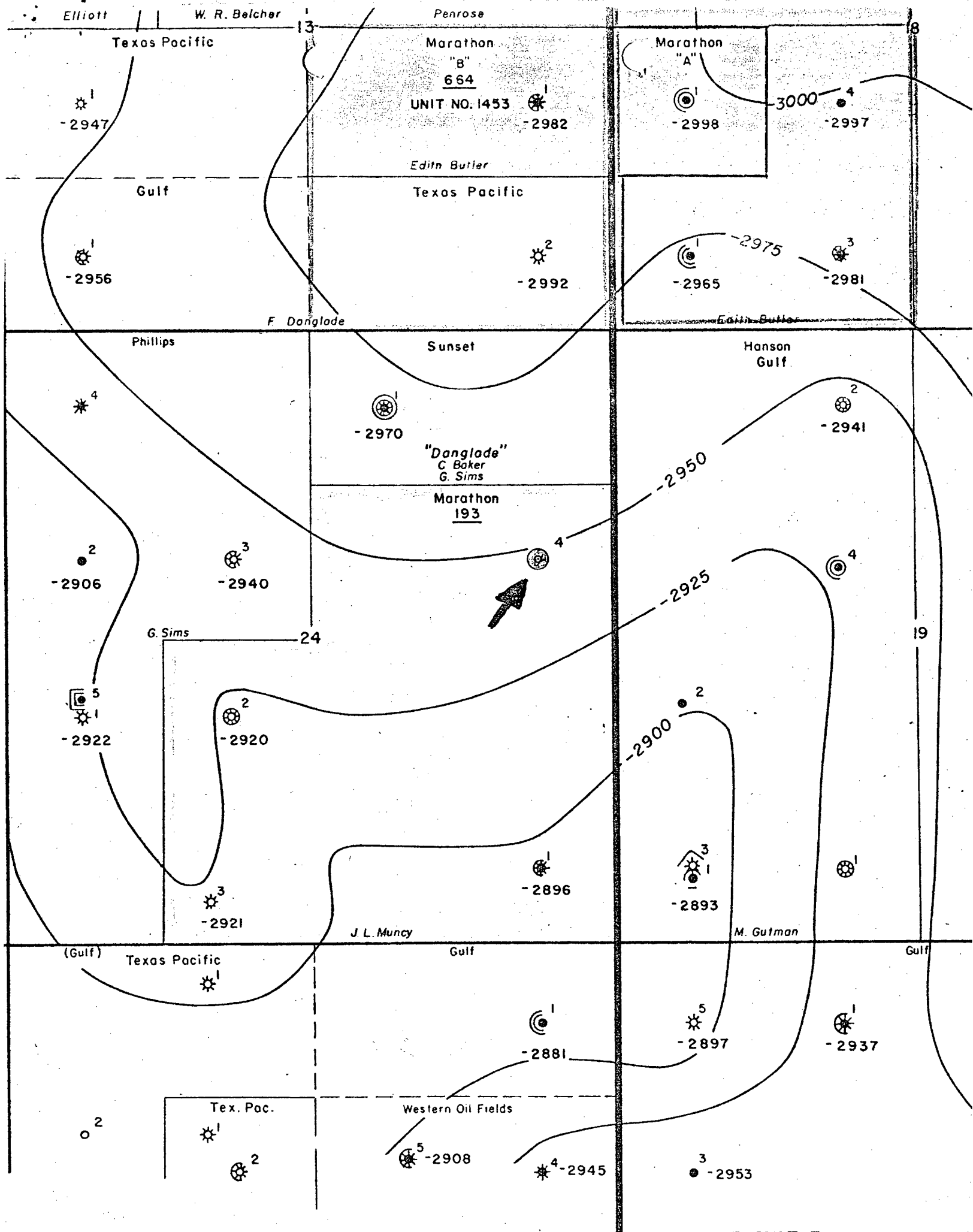


J.L. Muncy #4

Marathon OIL Co.

MARATHON OIL COMPANY
J. L. Muncy Well No. 4
Sec. 24, T-22S, R-37E, Unit H.
Lea County, New Mexico





LEGEND

- Drinkard Oil
- ⊙ Paddock Oil
- ⊙ Blinebry Oil
- ⊙ Tubb Oil
- ⊙ Blinebry Gas
- ⊙ Tubb Gas
- ⊙ Santa Rosa Gas
- ⊙ Dual: Blinebry Gas - Tubb Gas
- ⊙ Dual: Blinebry Gas - Drinkard Oil
- ⊙ Dual: Tubb Gas - Drinkard Oil
- ⊙ Dual: Tubb Gas - Blinebry Oil
- ⊙ Dual: Blinebry Oil - Granite Wash Oil

FIGURE I

MARATHON OIL COMPANY
DRINKARD FIELD AREA
LEA COUNTY, NEW MEXICO
SEC. 24, T-22-S, R-37-E

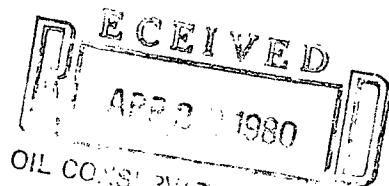
CONTOURED ON TOP OF
DRINKARD

CONTOUR INTERVAL - 25'

SCALE 1" = 1000'

⊙ Proposed Well

OIL CONSERVATION DIVISION
DISTRICT I



OIL CONSERVATION DIVISION
SANTA FE
OIL CONSERVATION DIVISION
P. O. BOX 2038
SANTA FE, NEW MEXICO 87501

DATE April 17, 1980

RE: Proposed MC _____
Proposed DHC X _____
Proposed NSL _____
Proposed NSP _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____

Gentlemen:

I have examined the application for the:

Marathon Oil Co. J. L. Muncy No. 4 Unit H 24-22-37
Operator Lease and Well No. Unit, S - T - R

and my recommendations are as follows:

O.K.---J.S.

Yours very truly,

A handwritten signature in cursive script, appearing to read "Jerry L. Muncy", written over a horizontal line.

/mc