

OIL CONSERVATION DIVISION
DISTRICT 1

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

DATE May 26, 1980

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

Gentlemen:

I have examined the application for the:

Marathon Oil Co. Walter Lynch #6-F 1-72-37
Operator Lease and Well No. Unit, S - T - R

and my recommendations are as follows:

Yours very truly,

/mc



**Marathon
Oil Company**

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

May 22, 1980

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 Walter Lynch No. 6 (Unit F,
Sec. 1-22S-37E), Drinkard and Wantz Granite Wash 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 Drinkard and Wantz Granite Wash Pools.

Currently, the Drinkard zone is flowing and the Wantz Granite Wash
zone is being produced with a pumping unit. Both zones are classified
as oil zones. Ownership of the two zones is common. The total daily
oil production from both zones before commingling does not exceed 50
Barrels per day. Neither zone produces more water than the combined
oil limit. Upon approval to down-hole commingle, both zones will be
produced with a pumping unit.

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

Very truly yours,

Patrick N. Burton
Production Engineer

PNB:lbp

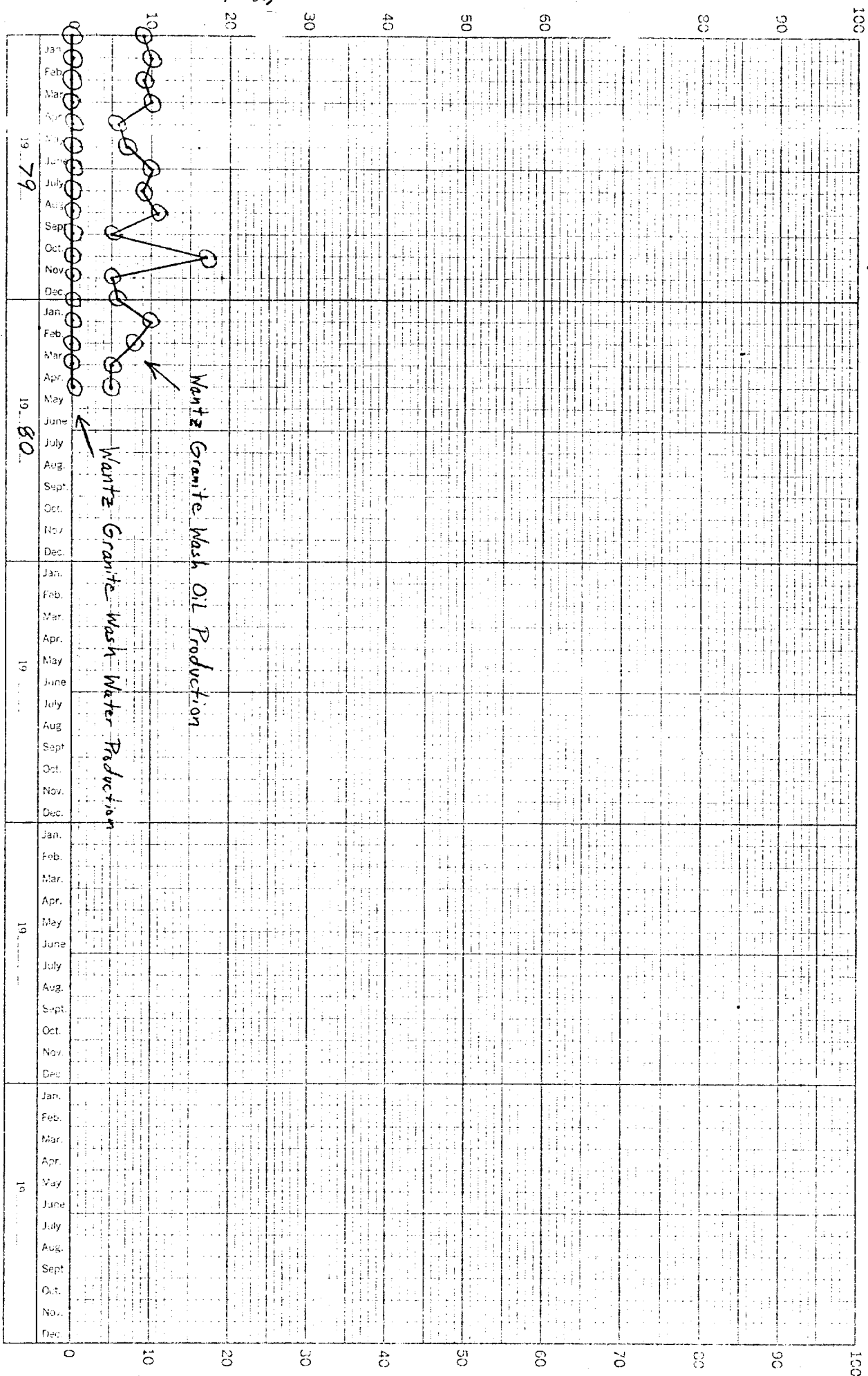
Enclosure

May 22, 1980

Rule 303 C-2 Information

- A. Operator: Marathon Oil Company
P.O. Box 2409
Hobbs, NM 88240
- B. Lease: Walter Lynch No. 6
Unit F. Sec. 1, T-22S, R-37E
Lea County, New Mexico
- C. Well is completed in the Drinkard and Wantz Granite Wash pools as a dual completion per Administrative Order MC-2244.
- D. C-116 dated 5-20-80 for Drinkard zone and C-116 dated 5-20-80 for the Wantz Granite Wash are attached.
- E. Production curves for both the Drinkard and Wantz Granite Wash zones are attached.
- F. Bottom Hole Pressure Data:
- Drinkard: Datum - 6403' Pressure at Datum 1254 PSI*
Wantz Granite Wash: Datum - 3900' Pressure at Datum 1390 PSI*
- G. Fluid Characteristics: There is no evidence of incompatibility in fluids.
- H. Valve of Commingled Fluids: Drinkard and Wantz Granite Wash production have been surface commingled on this Lease per Administrative Order PC-534, dated October 15, 1976. 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:
- | | | | |
|-----------------------|---------------|-------------------|-------|
| City Services Company | P.O. Box 1919 | Midland, Texas | 79702 |
| Exxon Corp. | P.O. Box 1600 | Midland, Texas | 79701 |
| Sun Oil Co. | P.O. Box 1861 | Midland, Texas | 79702 |
| Gulf Oil Co. | P.O. Box 670 | Hobbs, New Mexico | 88240 |
| Getty Oil Co. | P.O. Box 730 | Hobbs, New Mexico | 88240 |
| Arco Oil and Gas Co. | P.O. Box 1710 | Hobbs, New Mexico | 88240 |

*Estimates based on most recent available BHP data within vicinity of well.

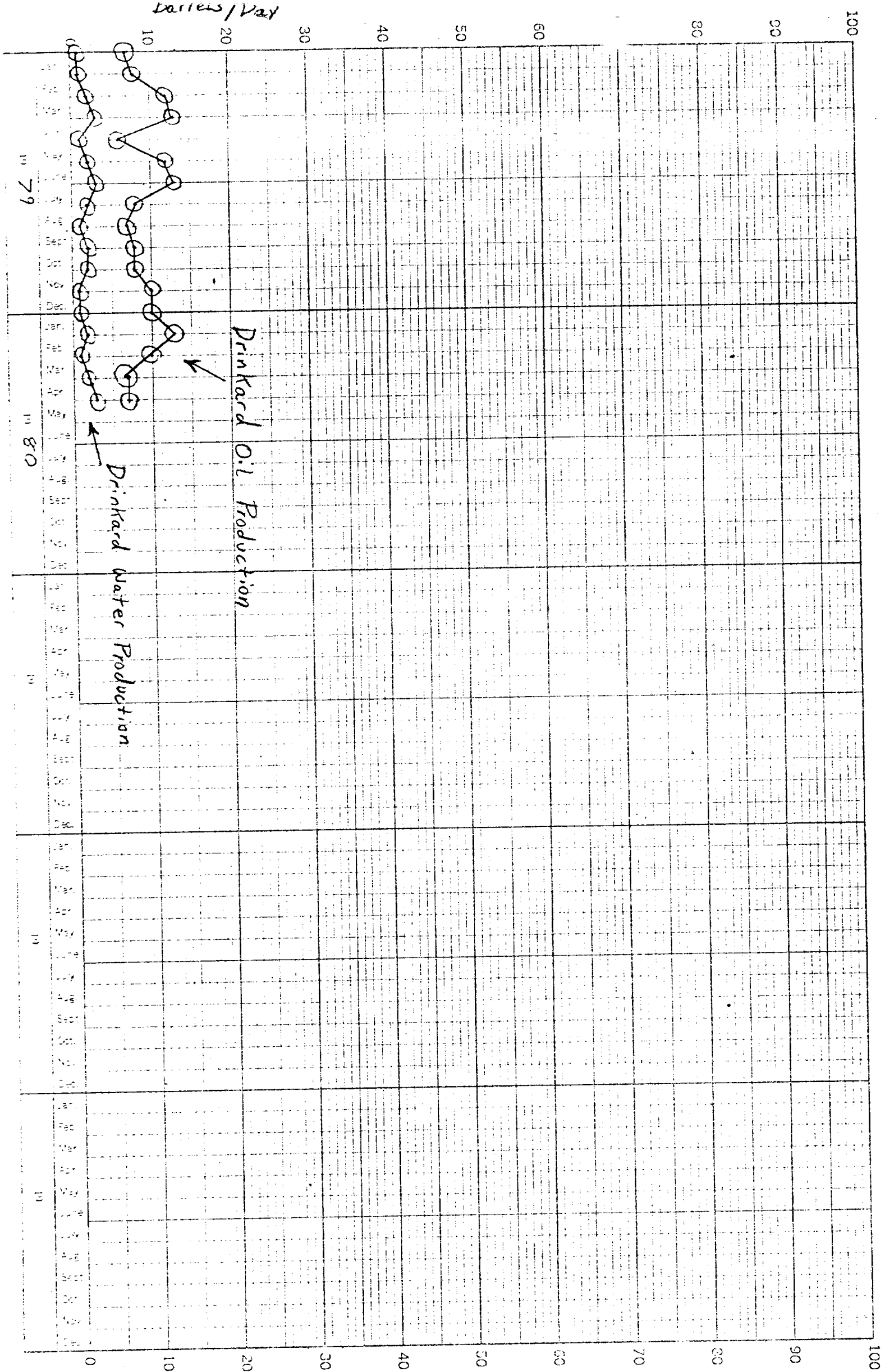


Wantz Granite Wash Oil Production

Wantz Granite Wash Water Production

Walter Lynch #6

Marathon Oil Co.



Walter Lynch #6
Marathon Oil Co.

C116
 Revised 1-1-65

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 Brontë
(Signature)

Production Engineering

May 20, 1980
(Date)

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

C-116
Revised 1-1-65

Operator Marathon Oil Company		Pool Wantz Granite Wash		County Lea											
Address P.O. Box 2409 Hobbs, New Mexico 88240		Type of Test - (X) <input checked="" type="checkbox"/> TEST - (X)		Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/>											
LEASE NAME Walter Lynch	WELL NO. 6	LOCATION			DATE OF TEST 5-20-80	STATUS P	CHOKE SIZE -	TBG. PRESS. 30	DAILY ALLOW-ABLE 10	LENGTH OF TEST HOURS 24	PROD. DURING TEST				GAS - OIL RATIO CU.FT/BBL 3667
		U	S	T							R	WATER BBLs.	GRAV. OIL BBLs.	GAS M.C.F.	

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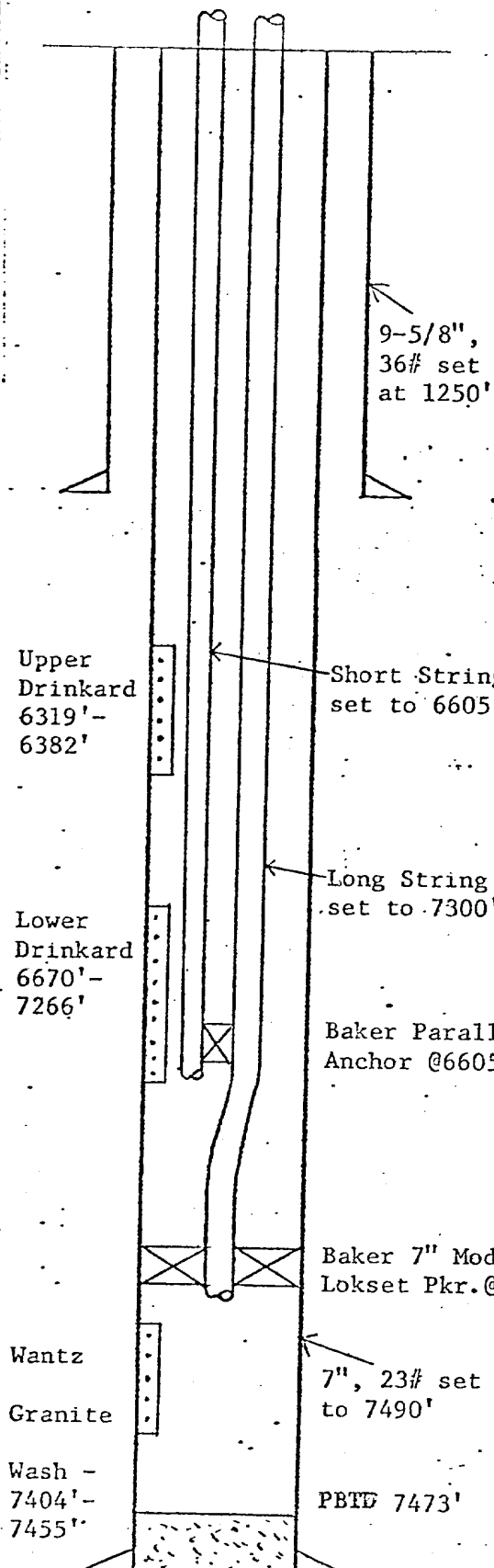
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I hereby certify that the above information is true and complete to the best of my knowledge and belief.

Patricia Burton
(Signature)
Production Engineer
(Title)
May 20, 1980
(Date)

WELL DATA SHEET



FIELD Drinkard

LEASE & WELL NO. Walter Lynch #6

LOCATION Unit F, S-1, T-22S, R-37E

COUNTY & STATE Lea County, New Mexico

STATUS Pumping Granite Wash, Flowing Drinkard
(Pumping, Flowing, Gas-lift, etc.)

TD 7491' PBD 7473' DF/KB 3364' GL 3353'

SURFACE CASING 9-5/8" 36lb/ft set @ 1251' with 650 sx
Class C cement.

INTERMEDIATE CASING

PRODUCTION CASING 7" 23 lb/ft set @ 7490' with .2 stage
cement job. 1st Stage- 350 sx lite + 700 sx Class C
50/50 Pox. 2nd Stage- 2400 sx Class C.

TUBING 2-3/8" tubing 4.7 lb/ft J-55 in both strings

PUMPING UNIT 320 pumping unit

PRESENT COMPLETION Wantz Granite Wash- 7404'-7455'
(Formation & Interval)

Lower Drinkard- 6670'-7266'. Upper Drinkard- 6319'-
6382'.

HISTORY Drilled 11/75

PREPARED BY _____ DATE _____

