

Houston Division
Production Operations, U.S. & Canada



**Marathon
Oil Company**

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

July 15, 1977

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

ATTENTION: Mr. J. D. Ramey, Secretary-Director

Re: Application for Authority to Dually Complete Marathon Oil Company's
Walter Lynch Well No. 7, Unit D, Section 1, Township 22-South,
Range 37-East, Lea County, New Mexico

Gentlemen:

Marathon Oil Company respectfully requests administrative approval for the dual completion of Walter Lynch Well No. 7 for production of oil from the Wantz Granite Wash Pool and production of oil from the Drinkard Pool. Attached are the New Mexico Oil Conservation Commission Form C-107, Application for Multiple Completion, fully executed, together with a diagrammatic sketch of the multiple completion and a plat with the location of all wells on Marathon Oil Company's lease and all offset wells, along with other supporting data required by Commission rules.

Marathon proposes to install a single packer at 7311', segregating the Wantz Granite Wash from the Drinkard. The Wantz Granite Wash will be produced by pumping through a string of 2 3/8" tubing latched onto the packer at 7311'. The Drinkard will be produced by flowing through a string of 2 1/16" tubing hung at 6640'. It is Marathon's opinion that the multiple completion of the Walter Lynch No. 7, herein described, will effectively prevent communication between the two zones and that the approval of this dual completion will not cause waste and will not infringe upon the correlative rights of any other operator in either of the pools.

A copy of the application, along with attachments listed on New Mexico Oil Conservation Commission Form C-107, Items 4(A), (B), and (C) have been furnished to all interested parties known to Marathon Oil Company.

Respectfully submitted,

Anthony R. Kovacevich
Production Engineer

ARK:mfm

Enclosures

xc: NMOCC-District I
Offset Operators

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
APPLICATION FOR MULTIPLE COMPLETION

Form C-107
5-1-61

Operator Marathon Oil Company		County Lea		Date July 15, 1977
Address P. O. Box 2409, Hobbs, New Mexico 88240		Lease Walter Lynch		Well No. 7
Location of Well: D	Unit 1	Section 22-South	Township 37-East	Range

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES X NO
2. If answer is yes, identify one such instance: Order No. MC-2244 ; Operator Lease, and Well No.: Marathon Oil Company, Walter Lynch No. 6

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	<u>Drinkard</u>	<u>-</u>	<u>Wantz Granite Wash</u>
b. Top and Bottom of Pay Section (Perforations)	<u>6691-7278'</u>	<u>-</u>	<u>7338-7438'</u>
c. Type of production (Oil or Gas)	<u>Oil</u>	<u>-</u>	<u>Oil</u>
d. Method of Production (Flowing or Artificial Lift)	<u>Flowing</u>		<u>Artificial Lift</u>

4. The following are attached. (Please check YES or NO)

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
<input checked="" type="checkbox"/>	<input type="checkbox"/>	d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Sun Oil Company, Box 1861, Midland, Texas 79701

Cities Service Oil Company, Box 1919, Midland, Texas 79701

Getty Oil Company, Box 249, Hobbs, New Mexico 88240

Gulf Energy & Minerals Co.-US, Box 670, Hobbs, New Mexico 88240

Exxon Company, 1700 W. Broadway, Andrews, Texas 79714

Atlantic Richfield Company, Box 1610, Midland, Texas 79701

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO . If answer is yes, give date of such notification July 15, 1977.

CERTIFICATE: I, the undersigned, state that I am the Production Engineer of the Marathon Oil Company (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

A. R. Kovacevich
A. R. Kovacevich Signature

*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of

MARATHON OIL COMPANY
 DIAGRAM OF PROPOSED DUAL COMPLETION
 WALTER LYNCH NO. 7
 UNIT D, SECTION 1, T-22S, R-37E
 LEA COUNTY, NEW MEXICO

PROPOSED COMPLETION

2 1/16" Tubing Set @ 6640'

2 3/8" Tubing Set @ 7311'

Top of Cement 2162'

7" D.V. Tool Set @ 4283'

Top of Cement 4275'

Parallel String Anchor
 Set @ 6640'

9 5/8", 32.3# Casing Set @ 1255',
 Cemented with 300 sacks "Light"
 Cement and 300 sacks Class "C".
 Cement circulated.

Drinkard Perforations 6691-7278'

Baker "FL" Tubing Divider
 Set @ 7299'

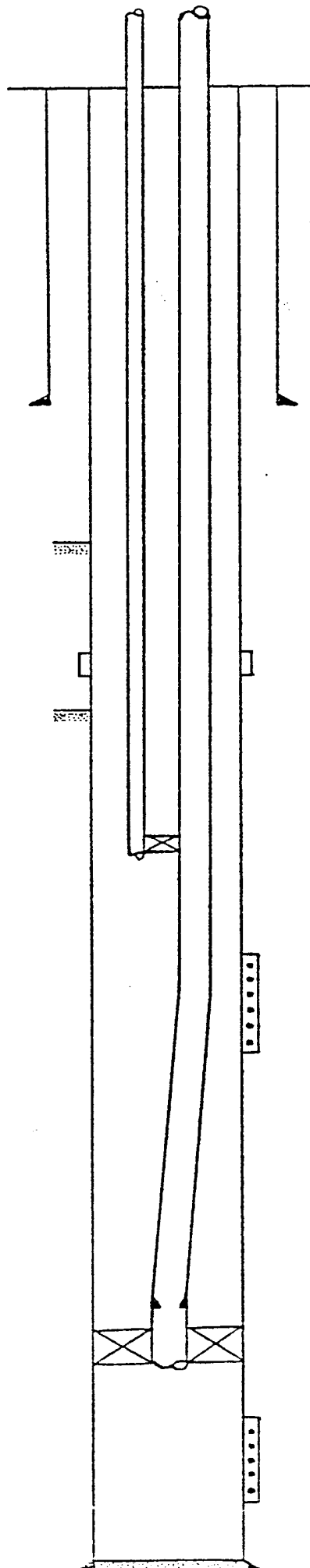
7" Baker Lok-Set Packer Set
 @ 7311'

Wantz Granite Wash Perforations
 7338-7438'

PBTD 7466'
 TD 7550'

ARK:mfm
 7-15-77

7", 23# Casing Set @ 6551'
 7", 26# Casing Set @ 6551-7599'
 Cemented in two stages.
 1st Stage - 725 sacks 50/50
 Class "C" Pozmix. Did not circulate.
 2nd Stage - 2250 sacks "Light",
 200 sacks Class "C".
 Did not circulate.



R-37E

R-38E

MARATHON OIL COMPANY
APPLICATION FOR DUAL COMPLETION
WALTER LYNCH NO. 7

SUBJECT WELL

T
21
ST
22
S

Houston Divis.
Production Operations, U.S. & Canada



**Marathon
Oil Company**

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

July 15, 1977

TO: OFFSET OPERATORS

Re: Marathon Oil Company's Application for Dual Completion of
Walter Lynch Well No. 7, Unit D, Section 1, Township 22-South,
Range 37-East, Lea County, New Mexico

Gentlemen:

Enclosed is New Mexico Oil Conservation Commission Form C-107 complete
with lease plat, completion diagram, and offset operators' waivers.
It would be appreciated if you would handle this matter at your
earliest convenience.

Very truly yours,

Anthony R. Kovacevich
Petroleum Engineer

ARK:mfm
Enclosures

July 15, 1977

TO WHOM IT MAY CONCERN:

Re: Application for Dual Completion of Marathon Oil Company's
Walter Lynch Well No. 7, Unit D, Section 1, Township 22-South,
Range 37-East, Lea County, New Mexico

This is to acknowledge that the undersigned waives objection to the
dual completion as proposed by Marathon Oil Company of the above-
referenced well.

Company

Company Representative

Title