

June 1, 2000

Mr. David Catanach
Oil Conservation Department
Energy and Minerals Department
P.O. Box 2088
Santa Fe, New Mexico 87501

RE: Request for Exception to Rule 303-A (Downhole Commingling)
Laughlin Well No. 2
Unit Letter G, 2310' FNL & 2310' FEL
Section 9, T-20-S, R-37-E
Monument Paddock, Monument Tubb
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 Monument Paddock and Monument Tubb pools in Lea County, New Mexico.

The Laughlin Well No. 2 was initially drilled in September 1997. Perforations were shot in the Abo & Drinkard. After stimulating and testing, the Abo & Drinkard perforations were abandon. The Tubb was then perforated and stimulated in November 1997. A change of ownership occurred in April 1999. Current production is from the Tubb pool. A RBP will be set and the Paddock will be perforated and stimulated. After testing the RBP will be removed and the two pools will be downhole commingled. By downhole commingling the production from the two zones, production will be realized that could not economically justify the cost of equipment to separate the zones. Rod pumping equipment will be utilized to keep the PBHP as low as possible.

Enclosed is pertinent data supporting this application as outlined in Rule 303-A. If additional information is necessary, please contact me at (505) 393-7106, ext 201.

Sincerely.

Thomas P. Kacir Production Engineer

Thomas Kaux

I: Production Allocation

<u>POOL</u>	BOPD	MCFD	BWPD	Estimated Methods
Monument Paddock Monument Tubb	20 	10 _36	9 10	Expected Production Current Production
Total	25	46	19	
Allocated Percentag	<u>res</u>	Oil %	Gas %	Water %
Monument Paddock Monument Tubb		80 20	22 78	47 <u>53</u>
Total		100	100	100

J: Ownership

Ownership of all zones is common and correlative rights will not be compromised.

District II
811 S. 1st Street, Artesia, NM 88210-2834
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV

2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies

Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

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Thomas P. Kacir											• •	acir		

23/0

Printed Name

Date of Survey

Certificate Number

Title
6/1/00
Date

Production Engineer

18 SURVEYOR CERTIFICATION

Signature and Seal of Professional Surveyer:

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 correctto the best of my belief.

District II 811 S. 1st Street, Artesia, NM 88210-2834 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV

2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

Submit to Appropriate District Office State Lease - 4 Copies

Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

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3(<u>0-025-34</u>	067		47090			MONUMENT:	TUBB		
⁴ Property					⁵ Property	Name			6	Well Number
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Date of Survey

Certificate Number

Signature and Seal of Professional Surveyer:

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Revised 1/1/8 Form C-116

DISTRICT II 811 S. 1st Street, Artesia, NM 88210-2834 DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410 DISTRICT I P.O. Box 1980, Hobbs, NM 88240 Submit 2 copies to Appropriate District Office.

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION 2040 Pacheco St. Santa Fe, NM 87505

GAS - OIL RATIO TEST

Operator					-											
Marathon 011 Company					_	8		7	; •			8	County			
Address					$\frac{1}{2}$			HOLLING	Monument: Tubb			_			Lea	
P.O. Box 2490 Hobbs, NM 88240	40						TYPE	TYPE OF TEST - (x)	Scheduled		ğ	Completion	 	Š	Special	-
E A S B S B S B S B S B S B S B S B S B S	WELL		LOCATION	TION		DATE OF	sn	CHOKE	TBG	DAILY	LENGTH		PROD. DU	PROD. DURING TEST		71
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For information only																
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Instructions:

which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool 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

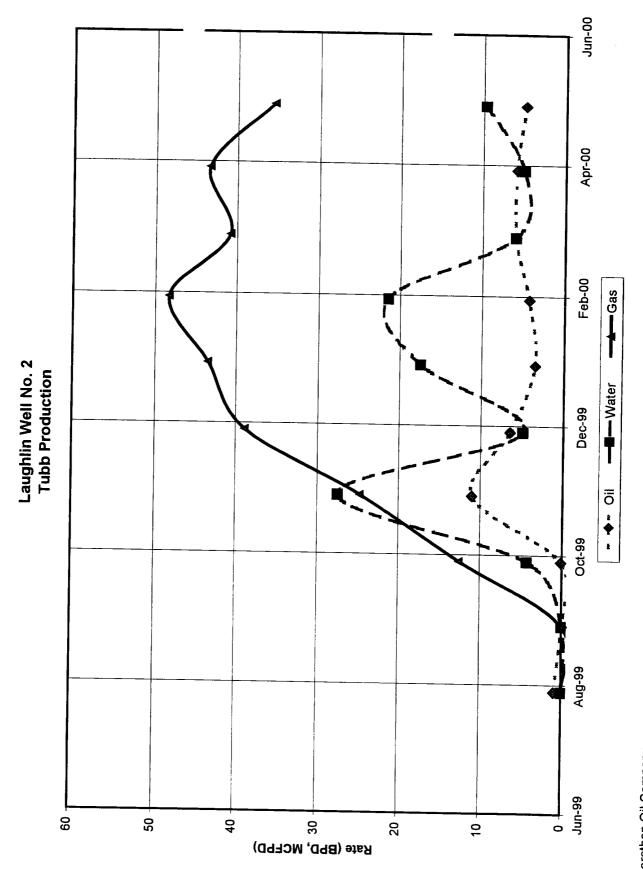
Printed name and title Thomas P. Kacir

Production Engineer

June 1, 2000 Date

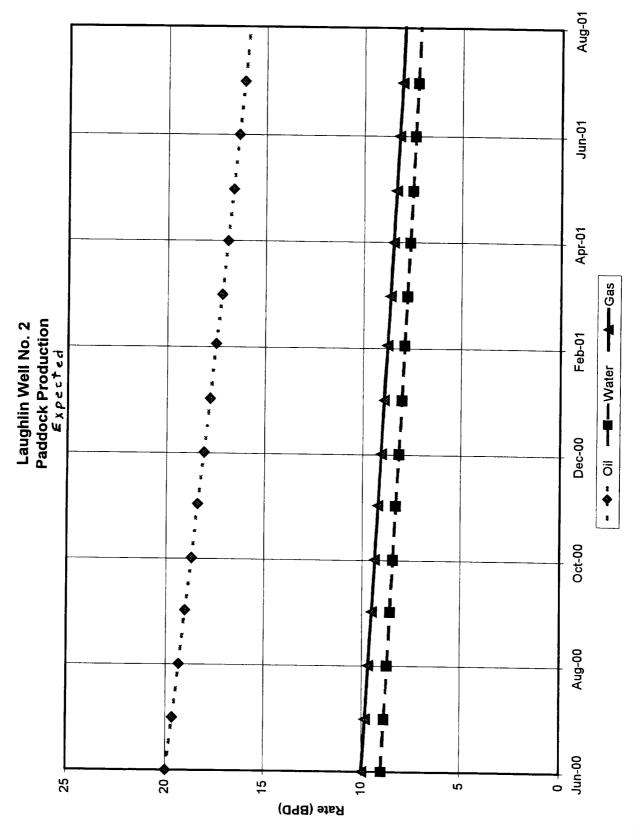
393-7106

Telephone No.



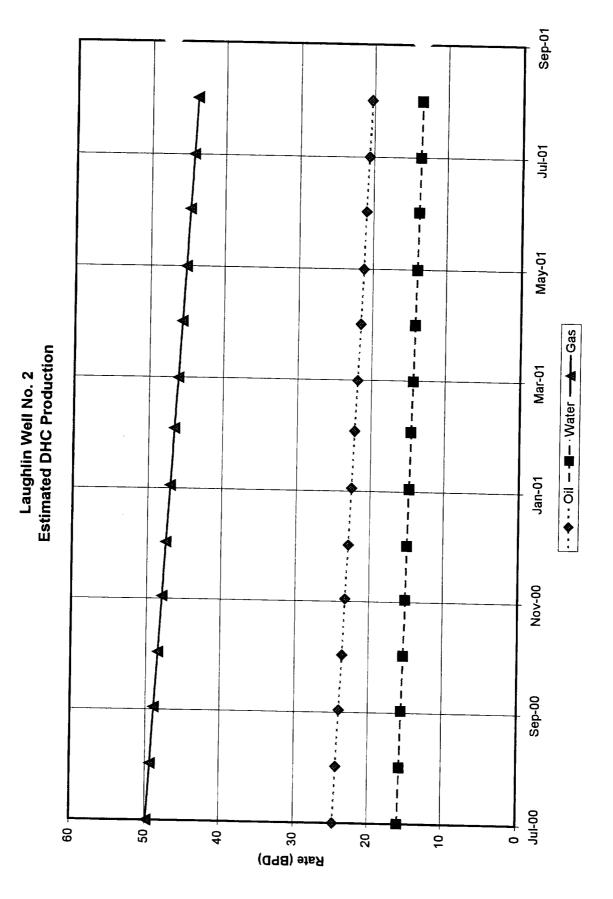
Marathon Oil Company

Lea County, NM



Marathon Oil Company

Lea County, NM



Marathon Oil Compant

Lea County, NM

DISTRICT I P.O. Box 1980, Hobbs, NM 88240 State of New Mexico Energy, Minerals and Natural Resources Department

Form C-107-A New 3-12-96

DISTRICT II

OIL CONSERVATION DIVISION 2040 S. Pacheco Santa Fe, New Mexico 87505-6429

APPROVAL PROCESS:

811 South First St., Artesia, NMA 68210

___ Administrative ___Hearing **EXISTING WELLBORE**

1000 Rio Brazos Rd, Aztec, HM 87410

APPLICATION FOR DOWNHOLE COMMINGLING

X YES _ NO

Laughlin	Addre	ox 2490 Hobbs, NM 882	241
18	2 UL G.	Sec. 9 T-20-S, R-37	Z-E Lea
RID NO. 014021 Property Cod	e 24655 API NO. 30	0-025-34067 Federal	Specing Unit Lease Types: (check 1 or more) , State, land/orl Fee X
he following facts are submitted in upport of downhole commingling:	Upper Zonii	intermediate Zones	Lower Zone
. Pool Name and Pool Code	Monument Paddock 47080	N/A	Monument Tubb 47090
. Top and Bottom of Pay Section (Perforations)	Proposed 5166-5206'		6408-6589
i. Type of production (Oil or Gas)	Oil		0i1
Method of Production (Flowing or Artificial Lift)	Artificial Lift		Artificial Lift
5. Bottomhole Pressure Dil Zones - Artificial Lift: Estimated Current	a. (Current) Expected 750 psi	ð.	a. 1000 psi
Gas & Oil - Flowing: Estimated Current Measured Current All Gas Zones: Estimated Or Measured Original	b. (Original) N/A	b.	.to. N∕A
3. Oil Gravity (* API) or Gas BTU Content	Expected 36° API		37 0 API
7. Producing or Shut-In?	Shut-in		Producing
Production Marginal? (yes or no)	Expected - Yes		Yes
If Shut-In, give date and oil/gas/ water rates of last production	Date: Expected	Date:	Date:
iote: For new zones with no production start, applicant shall be required to attach	Rates: 20/10/9	Rates:	Rates: N/A
oroduction estimates and supporting data If Producing, give date andoil/gas/ water rates of recent test (within 60 days)	Date: Rates: N/A	Date: Rates:	Date: 5/13/00 Rates: 5/36/10
B. Fixed Percentage Allocation Formula -% for each zone	OH: 80 % Gas: 22 %	Oil: Ges: %	Oii: 20 % Gas: 78 %
. If allocation formula is based submit attachments with su	upon something other than cupporting data and/or explaining	urrent or past production, or i	s based upon some other meth
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O. Are all working, overriding, a If not, have all working, ove Have all offset operators been	and royalty interests identical in rriding, and royalty interests be n given written notice of the pr	n all commingled zones? sen notified by certified mail?	Projections or other required days are selected as $\frac{X}{X}$ Yes $\frac{X}{X}$ No $\frac{X}{X}$ Yes $\frac{X}{X}$ No $\frac{X}{X}$
D. Are all working, overriding, a If not, have all working, over Have all offset operators been	and royalty interests identical ir rriding, and royalty interests be n given written notice of the pro Yes No If yes, are fluids red, and will the allocation for	n all commingled zones? een notified by certified mail? oposed downhole comminglin	X Yes — No Yes — No Yes — No
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O. Are all working, overriding, a lf not, have all working, over Have all offset operators been to work the second of the secon	Yes No If yes, are fluids red, and will the allocation formall commingled zones compatible decreased by commingling? Stricked with, state or federal land Management has been notified reflect Rule 303(C) Exceptions: The stricked with state or federal land Management has been notified reflect and stricked land for each zone for at least one of production history, estimated location method or formula, all offset operators, working, overriding, and royal attements, data, or documents retion above is true and complete red.	a all commingled zones? sen notified by certified mail? spoposed downhole comminglin compatible, will the formation mula be reliable. X Yes _ ble with each other? Yes X No (If ads, either the Commissioner ed in writing of this application ORDER NO(S). its spacing unit and acreage year. (If not available, attach production rates and support ty interests for uncommon in required to support commingles to the best of my knowledges	X Yes No Yes No Yes No Yes No No No Yes No N