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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

OIL CONSERVATION DIVISION

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

Form C-104  
Revised 1-1-89  
See Instructions  
at Bottom of Page

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Operator Marathon Oil Company		Well API No. 30-045-28884
Address P.O. Box 552, Midland, Texas, 79702		
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)		
New Well <input checked="" type="checkbox"/>	Change in Transporter of:	
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/>	Dry Gas <input type="checkbox"/>
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/>	Condensate <input type="checkbox"/>
If change of operator give name and address of previous operator		

II. DESCRIPTION OF WELL AND LEASE

Lease Name SCHWERTFEGER "8"	Well No. 2	Pool Name, Including Formation BASIN FRUITLAND COAL	Kind of Lease State, Federal or Fee FEDERAL	Lease No. 654970
Location Unit Letter L 1855 Feet From The NORTH Line and 1125 Feet From The WEST Line Section 8 Township 27N Range 11W, NMPM, SAN JUAN County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
EL PASO NATURAL GAS	PO BOX 4990, FARMINGTON, NEW MEXICO					
If well produces oil or liquids, give location of tanks.	Unit L	Sec. 8	Twp. 27N	Rge. 11W	Is gas actually connected? NO	When?

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
		X	X					
Date Spudded 12-23-92	Date Compl. Ready to Prod. 1-23-93		Total Depth 2041		P.B.T.D. 2001.36			
Elevations (DF, RKB, RT, GR, etc.) GL:6136, KB:6148	Name of Producing Formation BASIN FRUITLAND COAL		Top Oil/Gas Pay 1824		Tubing Depth 1843.15			
Perforations 1824-1846					Depth Casing Shoe 2041			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
12 1-4"	8 5/8" 24#		348		300			
7 7/8"	5 1/2" 15.5#		2041		350			
	2 3/8		1843					

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or for full 24 hours)			
Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D 303	Length of Test 24	Bbls. Condensate/MMCF 0	Gravity of Condensate N/A
Testing Method (pilot, back pr.) SEP BACK PRESSURE	Tubing Pressure (Shut-in) 316	Casing Pressure (Shut-in) 316	Choke Size 48/64"

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature Thomas M. Price ADV. ENG. TECH  
Printed Name Thomas M. Price Title  
Date 2-9-93 Telephone No. 1-800-351-1417

OIL CONSERVATION DIVISION

Date Approved FEB 25 1993

By [Signature]  
Title SUPERVISOR DISTRICT #3

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

SCHFR82

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other  
instructions on  
reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other \_\_\_\_\_  
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESER. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

Marathon Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 552, Midland, Texas, 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface UNIT LETTER L 1855' FNL & 1125' FWL

At top prod. interval reported below

SAME

At total depth

SAME

API #

14. PERMIT NO.

30-045-28884

DATE ISSUED

12-4-92

12. COUNTY OR PARISH

SAN JUAN

13. STATE

NEW MEXICO

15. DATE SPUDDED

12-20-92

16. DATE T.D. REACHED

12-23-92

17. DATE COMPL. (Ready to prod.)

1-23-93

18. ELEVATIONS (OF, RKB, RT, GR, ETC.)\*

GL:6136, DF:6147, KB:6148

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

2041'

21. PLUG BACK T.D., MD & TVD

2001.36

22. IF MULTIPLE COMPL. HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

X

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)\*

1824-1846 FRUITLAND COAL

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR, SPECTRAL DENSITY, DUAL SPACED NEUTRON, CEMENT BOND, CORRECTED COLLARS

27. WAS WELL CORED

NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24	348	12 1/4"	300 SX CLASS B	NONE
5 1/2"	15.5	2041	7 7/8"	350 SX CIRC 60 SX	NONE

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8	1843	

31. PERFORATION RECORD (Interval, size, and number)

1824-1846, .41", 88 HOLES

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1824-1846	1250 GAL 15 % HCL
1824-1846	50000 GAL N2 FOAM W/150000#
	16-30 SAND

33.\* PRODUCTION

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping- size and type of pump)	WELL STATUS (Producing or shut-in)
1-23-93	FLOWING	SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL - BBL.	GAS - MCF.	WATER - BBL.	GAS - OIL RATIO
2-1-93	24	48/64		0	303	112	N/A
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24 HOUR RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)	
65	165						

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

VENTED

TEST WITNESSED BY

ERIC NELSON

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Thomas m. Pace

TITLE ADVANCED ENG. TECH

DATE 2-9-93

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries).				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
FRUITLAND COAL	1824	1846	GAS & WATER	OJO ALAMO FRUITLAND PICTURED CLIFFS	690 1646 1846	