

10782



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING  
GOVERNOR

ANITA LOCKWOOD  
CABINET SECRETARY

September 1, 1992

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504  
(505) 827-5800

R & G Drilling Company  
c/o KM Production Company  
P.O. Box 2406  
Farmington, New Mexico 87499-2406

Attention: Kevin H. McCord

*Administrative Order NSL-3150*

Dear Mr. McCord:

Reference is made to your application dated August 10, 1992 on behalf of the operator R & G Drilling Company for a non-standard Basin-Fruitland coal gas well location for the existing Schlosser Well No. 16 which was drilled in 1955 and completed in the West Kutz Pictured Cliffs Pool at a standard gas well location 1180 feet from the South line and 800 feet from the East line (Unit P) of Section 10, Township 27 North, Range 11 West, NMPM, San Juan County, New Mexico.

It is my understanding that the Pictured Cliffs zone will be properly plugged back and said well will be recompleted to the Basin-Fruitland Coal Gas Pool, which pursuant to the Special Rules and Regulations for the Basin-Fruitland Coal Gas Pool as promulgated by Division Order No. R-8768, as amended, is unorthodox. Further, the S/2 of said Section 10 shall be dedicated to the well forming a standard 320-acre gas spacing and proration unit for said pool.

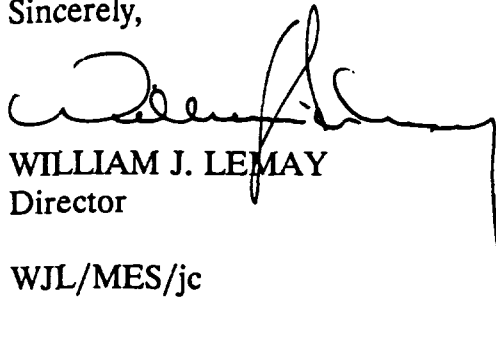
R & G Drilling Company  
*Administrative Order NSL-3150*  
September 1, 1992  
Page 2

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By the authority granted me under the provisions of Rule 8 of said Division Order No. R-8768, as amended, the above-described unorthodox coal gas well location is hereby approved.

Division Case No. 10550 which was scheduled for the September 17, 1992 Examiner Hearing shall be dismissed upon approval of this administrative order.

Sincerely,



WILLIAM J. LEMAY  
Director

WJL/MES/jc

cc: Oil Conservation Division - Aztec  
U.S. BLM - Farmington  
Case File: 10550

P.O.Box 1980, Hobbs, NM 88241-1980  
DISTRICT II  
P.O. Drawer DD, Artesia, NM 88211-0719  
DISTRICT III  
1000 Rio Brazos Rd, Aztec, NM 87410

Energy, Minerals and Natural Resources Department

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

Form C-135  
Adopted 4-1-91

SEE FILING INSTRUCTIONS  
BOTTOM OF PAGE

## GAS WELL CONNECTION, RECONNECTION, OR DISCONNECTION NOTICE

This is to notify the Oil Conservation Division of the following:

Connection	<u>X</u>	First Delivery	<u>11-09-92</u>	
		Date		Initial Potential
Reconnection	<u>      </u>	First Delivery	<u>      </u>	<u>      </u>
		Date		Initial Potential
Disconnection	<u>      </u>		<u>      </u>	
			Date	
for delivery of gas from the		<u>R &amp; G Drilling Co Inc.</u>		
		Operator		
		Schlosser		
		Lease		
		<u>#16</u>	<u>P</u>	<u>10 27 11</u>
Meter Code	Site Code	Well No.	Unit Letter	S-T-R
		Basin	Fruitland Coal	
			Pool	

was made on 11-09-92  
Date

205  
AOF

        
Choke

### OCD use only

County sg  
Land Type F  
Liq. Transporter       

EL PASO NATURAL GAS COMPANY

Transporter

ED Marcum  
Signature of Transporter Representative

ED MARCUM, MEASUREMENT SPECIALIST

Printed Name and Title

BOX 4990, FARMINGTON NM 87499, (505)599-2128

Address and Telephone Number

### FILING INSTRUCTIONS:

Each transporter of gas from a prorated gas well shall submit this form in duplicate to the appropriate district office of the Division within 30 days following the connection, reconnection, or disconnection of a well from their gathering/transportation system, in accordance with Rule 1104, Rule 1135, and R-8170 as amended.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Serial No  
SF-078673

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
Schlosser #16

9. API Well No.  
30-0450661900

10. Field and Pool, or Exploratory Area  
Basin Fruitland Coal

11. County or Parish, State  
San Juan County, NM

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
R & G Drilling Company C/O KM Production Company

3. Address and Telephone No.  
PO Box 2406, Farmington, NM 87499 (505)325-6900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1180' FSL & 800' FEL Sec. 10, T27N, R11W

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input checked="" type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Set bridgeplug at 1963 ft. (above existing PC perforations of 1970-2003). Perforated Fruitland Coal intervals 1904-1916 and 1944-1952 with 4 JSPF. Fracture stimulated Fruitland Coal interval with 72,500 gallons of 70 quality foam containing 5,000 lbs 40/70 mesh sand and 79,500 lbs 20/40 mesh sand. Ran 2 3/8" tubing to 1955 ft. Shut-in well. Shut-in pressures: Tubing 0 psi; Annulus 205 psi. Flow tested well, no flow.

OIL CONSERVATION DIVISION  
RECEIVED  
'92 NOV 25 AM 8

14. I hereby certify that the foregoing is true and correct

Signed Kenn H. McLeod Title Petroleum Engineer Date 11-2-92

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any.

ACCEPTED FOR RECORD

Table 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statement or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

FARMINGTON RESOURCE AREA

BY \_\_\_\_\_

NMOCD

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

# OIL CONSERVATION DIVISION

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

OIL CONSERVATION DIVISION  
RECEIVED

## REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

NOV 12 AM 10 03

### I.

Operator R & G Drilling Company	C/O KM Production Company	Well API No. 30-045-06619
Address PO Box 2406, Farmington, NM 87499		
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)		
New Well <input type="checkbox"/>	Change in Transporter of:	
Recompletion <input checked="" 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 Schlosser	Well No. 16	Pool Name, Including Formation Basin Fruitland Coal	Kind of Lease State, Federal or Fee	Lease No. SF-078673
Location Unit Letter P : 1180 Feet From The South Line and 800 Feet From The East Line Section 10 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 Company	PO Box 4990, Farmington, NM 87499					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When ?
					NO	

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		X
Date Spudded 10-15-55	Date Compl. Ready to Prod. 11-27-92		Total Depth 2033		P.B.T.D. 1963			
Elevations (DF, RKB, RT, GR, etc.) 6215' RKB	Name of Producing Formation Fruitland Coal		Top Oil/Gas Pay 1904		Tubing Depth 1955			
Perforations 1904-1916; 1944-1952					Depth Casing Shoe 2033			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
12 1/4"	8 5/8 "		90		50 sx, 59 ft <sup>3</sup>			
7 7/8"	5 1/2"		2033		200 sx, 236 ft <sup>3</sup>			
		2 3/8	1455					

### 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 be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
		Casing Pressure	Choke Size
Length of Test	Tubing Pressure	Water - Bbls.	Gas - MCF
Actual Prod. During Test	Oil - Bbls.		

### GAS WELL

Actual Prod. Test - MCF/D No Flow	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in) 0	Casing Pressure (Shut-in) 205	Choke Size

### 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  
Kevin H. McCord  
Printed Name  
Date 10-29-92  
Petroleum Engineer  
Title  
(505)325-6900  
Telephone No.

### OIL CONSERVATION DIVISION

Date Approved 11-6-92 NOV 08 1992  
By [Signature]  
Title SUPERVISOR

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other In-  
structions on  
reverse side)

FOR APPROVED  
OMB NO. 1004-0137  
Expires: December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO.

SF-078673

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. PERMIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Schlosser #16

9. API WELL NO.

30-045-06619

10. FIELD AND POOL, OR WILDCAT

Basin Fruitland Coal

11. SEC. T. R. M., OR BLOCK AND SURVEY  
OR AREA

Sec. 10, T27N, R11W

12. COUNTY OR  
PARISH  
San Juan

13. STATE  
NM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐ 92 N0412 AM 10-03

b. TYPE OF COMPLETION:

NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☒ DIFF. REVR. ☐ Other ☐

2. NAME OF OPERATOR

R & G Drilling Company C/O KM Production Company

3. ADDRESS AND TELEPHONE NO.

PO Box 2406, Farmington, NM 87499

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

At surface  
1180' FSL & 800' FEL

At top prod. interval reported below

Same  
At total depth

Same

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED 10-15-55 16. DATE T.D. REACHED 11/2/55 17. DATE COMPL. (Ready to prod.) 10/27/92 18. ELEVATIONS (DF, RKB, RT, CB, ETC.)\* 6215' RKB 19. ELEV. CASINGHEAD 6214

20. TOTAL DEPTH, MD & TVD 2033 21. PLUG, BACK T.D., MD & TVD 1963 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY ROTARY TOOLS XX CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 25. WAS DIRECTIONAL SURVEY MADE

Fruitland Coal 1904-1952

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

IES

27. WAS WELL CORED

NO

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#/ft	90	12 1/4"	50 SX, 59 ft <sup>3</sup>	
5 1/2"	14#/ft	2033	7 7/8"	200 SX, 236 ft <sup>3</sup>	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	1955	

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

1904-1916, 48 holes, 0.50" diameter  
1944-1952, 32 holes, 0.50" diameter

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1904-1952	72,500 gallons of 70 quality foam containing 5,000 lbs 40/70 mesh sand and 79,500 lbs 20/40 mesh sand.

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
10-27-92		Flowing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
			→		No Flow		
FLOW. TUBING PRBS.	CASINO PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
0	205	→		No Flow			

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

TEST WITNESSED BY

Albert Aranda

35. LIST OF ATTACHMENTS

ACCEPTED FOR RECORD

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

SIGNED

Kevin H. McCord

TITLE

Petroleum Engineer

DATE

10-30-92

FARMINGTON RESOURCE AREA

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

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEP
Ojo Alamo	895		water	Ojo Alamo	895	
Kirtland	985		water	Kirtland	985	
Fruitland	1670		water, natural gas	Fruitland	1670	
Pictured Cliffs	1960		natural gas	Pictured Cliffs	1960	

38. GEOLOGIC MARKERS

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry, to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

OIL CONSERVATION DIVISION  
RECEIVED

5. Lease Designation and Serial No.  
SF-078673

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Schlosser #16

9. API Well No.

30-0450661900

10. Field and Pool, or Exploratory Area

Kutz PC West

11. County or Parish, State

San Juan County, NM

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

R & G Drilling Company

C/O KM Production Company

3. Address and Telephone No.

PO Box 2406, Farmington, NM 87499

(505)325-6900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1180' FSL & 800' FEL

Sec. 10, T27N, R11W

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other See Below

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Per the request of NMOCD, a new C-102 plat is presented for this well.

RECEIVED  
SEP 2 1992  
OIL CON. DIV.  
DIST. 3

14. I hereby certify that the foregoing is true and correct

Signed David H. McLeod

Title Petroleum Engineer

Date 8-28-92

(This space for Federal or State office use)

ACCEPTED FOR RECORD

SEP 01 1992

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

FARMINGTON RESOURCE AREA

BY MT

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side

NMOCD



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-102  
Revised 1-1-89

HOLD FOR  
NSL

DISTRICT II  
1980, Hobbs, NM 88240

DISTRICT II  
Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

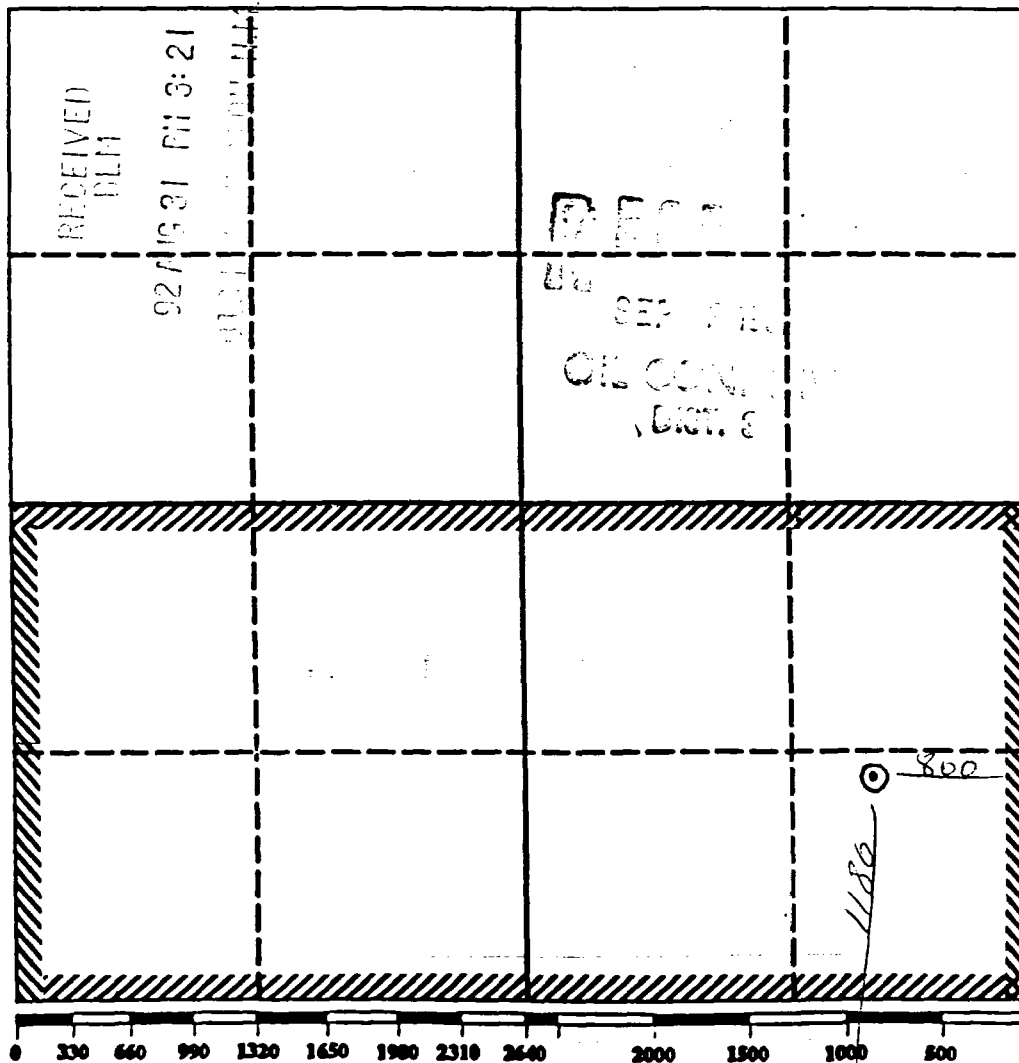
Operator R&G Drilling Co. C/O KM Production Co.			Lease Schlosser		Well No. 16
Unit Letter P	Section 10	Township T27N	Range R11W	County NMPM	San Juan
Actual Footage Location of Well: 1180 feet from the South line and 800 feet from the East line N.M.P.M.					
Ground level Elev. 6214'	Producing Formation Fruitland Coal		Pool Basin Fruitland Coal	Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☐ Yes ☐ No If answer is "yes" type of consolidation

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature

Printed Name

Kevin H. McCord

Position

Petroleum Engineer

Company

Robert L. Bayless

Date

8-28-92

SURVEYOR CERTIFICATION

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 correct to the best of my knowledge and belief.

Date Surveyed

Signature & Seal of  
Professional Surveyor

original plat on file

Certificate No.

OIL CONSERVATION DIVISION  
RECEIVED  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
92 AUG 24 PM 10 40

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. SF-078673
2. Name of Operator R & G Drilling Company C/O KM Production Company	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. PO Box 2406, Farmington, NM 87499 (505)325-6900	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1180' FSL & 800' FEL Sec. 10, T27N, R11W	8. Well Name and No. Schlosser #16
	9. API Well No. 30-0450661900
	10. Field and Pool, or Exploratory Area Kutz PC West
	11. County or Parish, State San Juan County, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input checked="" type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other Plugging back PC, Recompletion in Fruitland Coal
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

As per attached procedures.

RECEIVED  
AUG 17 1992  
OIL CON. DIV.  
DIST. 3

RECEIVED  
BLM  
92 AUG 11 AM 11:36  
DIST. 3

14. I hereby certify that the foregoing is true and correct	APPROVED AS AMENDED
Signed <u>Kevin H. McLaughlin</u>	Title <u>Petroleum Engineer</u>
(This space for Federal or State office use)	Date <u>8-10-92</u>
Approved by _____	Title _____
Conditions of approval, if any:	AREA MANAGER

FRUITLAND COAL  
RE-COMPLETION PROGNOSIS  
R & G DRILLING CO.  
SCHLOSSER #16  
SESE SEC 10, T27N R11W  
SAN JUAN COUNTY, NEW MEXICO

EXISTING TUBULARS

CASING: 5-1/2" 14.0 #/FT ? K-55 SET @ 2033' (COULD BE 15.5 OR 17#)  
TUBING: 1" 1.8 #/FT J-55 EUE SET @ 1960'

EXISTING PERFORATIONS

PICTURED CLIFFS: 1970 - 1978 @ 25PF  
1993 - 2003 @ 25PF

PROCEDURE  
=====

- 1 . MOVE IN AND RIG UP COMPLETION UNIT. SET ANCHORS IF NECESSARY.
- 2 . DIG AND FENCE RESERVE PIT. INSTALL 2" BLOWDOWN LINES.
- 3 . BLOW DOWN WELL. KILL WITH FRESH WATER IF NECESSARY. NIPPLE DOWN WELLHEAD AND NIPPLE UP BOP. CHECK AND REPLACE WELLHEAD VALVES IF NECESSARY.
- 4 . TRIP 1" TUBING OUT OF HOLE. TALLEY TUBING.
- 5 . RIG UP WIRELINE. RUN GAMMA RAY-CLL FROM PBTD TO 1500' FOR CORRELATION. SET CIBP AT 1968'.
- 6 . PICK UP 2-7/8" 6.5 #/FT N-80 TUBING FOR WORK STRING. TAG CIBP WITH TUBING AT 1968' FOR DEPTH CORRELATION. MOVE TUBING TO 1959'. (BOTTOM FRUITLAND COAL PERFORATION).
- 7 . RIG UP PUMP TRUCK. PRESSURE TEST CASING AND CIBP TO 1000 PSI. CIRCULATE HOLE CLEAN WITH FRESH WATER. SPOT 150 GALLONS OF 7-1/2% DI HCL ACID ACROSS THE FRUITLAND COAL INTERVAL.
- 8 . TRIP TUBING OUT OF HOLE.
- 9 . RIG UP WIRELINE. PERFORATE THE FRUITLAND COAL INTERVAL WITH .50" HOLES AT 4 JSPF USING A 4" CASING GUN AS FOLLOWS:

1908 - 1913	5 FT	20 HOLES
1915 - 1921	6 FT	24 HOLES
1950 - 1959	9 FT	36 HOLES
-----		
TOTAL	20 FT	80 HOLES

(NOTE: PERFORATIONS MAY CHANGE SLIGHTLY AFTER GR LOG ANALYSIS)

- 10 . TRIP IN HOLE WITH INFLATABLE PACKER ON 2-7/8" TUBING. SET PACKER AT 1935'.

- 11 . RIG UP PUMP TRUCK. BREAKDOWN UPPER FRUITLAND COAL PERFORATIONS DOWN THE ANNULUS AND BASAL FRUITLAND COAL PERFORATIONS DOWN THE TUBING. RECORD ALL RATES AND PRESSURES.
- 12 . MOVE TUBING AND PACKER UPHOLE AND SET AT +/- 1850'.
- 13 . FRACTURE STIMULATE ENTIRE FRUITLAND COAL INTERVAL THROUGH 2-7/8" TUBING WITH 64,000 GALLONS OF 70 QUALITY NITROGEN FOAM (FLUID IS 20# GUAR GEL) CONTAINING 10,000# 40/70 MESH SAND FLUID LOSS ADDITIVE AND 80,000# 20/40 MESH SAND PROPPANT AS FOLLOWS:

10,000 GALS OF 70 QUALITY FOAM PAD  
5,000 GALS OF 1 PPG 40/70 SAND  
5,000 GALS OF 70 QUALITY FOAM SPACER  
5,000 GALS OF 1 PPG 40/70 SAND  
5,000 GALS OF 70 QUALITY FOAM SPACER  
10,000 GALS OF 1 PPG 20/40 SAND  
10,000 GALS OF 2 PPG 20/40 SAND  
8,000 GALS OF 3 PPG 20/40 SAND  
4,000 GALS OF 4 PPG 20/40 SAND  
2,000 GALS OF 5 PPG 20/40 SAND  
490 GALS OF 70 QUALITY FOAM FLUSH

DESIRED RATE: 25 BPM  
EXPECTED TREATING PRESSURE: 2500 PSI

(NOTE: ALL WATER TO CONTAIN 1% KCL AND 1/2 GAL/1000 CLAY STABILIZATION AGENT)

- 14 . SHUT WELL IN LONG ENOUGH TO OBSERVE FRACTURE CLOSURE PRESSURE.
- 15 . FLOW WELL BACK TO THE ATMOSPHERE THROUGH A 1/2" TAPPED BULLPLUG UNTIL THE WELL CLEANS UP OR DIES.
- 16 . RELEASE PACKER AND TRIP 2-7/8" TUBING OUT OF HOLE, LAYING DOWN THE WORK STRING.
- 17 . TRIP THE 1" TUBING BACK IN THE HOLE WITH A NOTCHED COLLAR ON THE END AND A SEATING NIPPLE 1 JOINT UP. CLEAN OUT SAND AS NECESSARY.
- 18 . LAND TUBING AT +/- 1920'. NIPPLE DOWN BOP AND NIPPLE UP WELLHEAD.
- 19 . SWAB WELL IN IF NECESSARY. FLOW WELL TO CLEANUP FOR AOF.

OIL CONSERVATION DIVISION

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

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Operator Marathon Oil Company		Well API No. 30-045-27804
Address P.O. Box 552, Midland, Texas 79702		
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)		
New Well <input type="checkbox"/>	Change in Transporter of:	
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input checked="" 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 Bolack "9"	Well No. 2	Pool Name, Including Formation Basin Fruitland Coal	Kind of Lease State, Federal or Fee	Lease No. SF-078872-A
Location Unit Letter B : 790' Feet From The North Line and 1625' Feet From The East Line Section 9 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)					
Marathon Oil Company	P.O. Box 552, Midland, Texas 79702					
If well produces oil or liquids, give location of tanks.	Unit B	Sec. 9	Twp. 27	Rge. 11	Is gas actually connected? Yes	When? 12-90

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
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

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 be 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	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

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.

Carl A. Bagwell  
Signature  
Carl A. Bagwell, Engineering Technician  
Printed Name  
1-10-91  
Date  
(915) 682-1626  
Telephone No.

OIL CONSERVATION DIVISION

Date Approved JAN 14 1991

By Charles Sholes

Title DEPUTY OIL & GAS INSPECTOR, DIST. #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.

Submit 5 Copies  
Appropriate District Office  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department  
DIVISION

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

DISTRICT II  
P.O. Box DD, Artesia, NM 88210

OIL CONSERVATION DIVISION

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

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Operator Marathon Oil Company		Well API No. 30-045-27804
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 Bolack "9"	Well No. 2	Pool Name, Including Formation Basin Fruitland Coal	Kind of Lease State, Federal or Fee	Lease No. SF-078872-A
Location				
Unit Letter <u>B</u> : <u>790'</u> Feet From The <u>North</u> Line and <u>1625'</u> Feet From The <u>East</u> Line				
Section <u>9</u> Township <u>27N</u> Range <u>11W</u> , 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 Company	P. O. Box 4990, Farmington, NM 87499					
If well produces oil or liquids, give location of tanks.	Unit <u>B</u>	Sec. <u>9</u>	Twp. <u>27</u>	Rge. <u>11</u>	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
		<u>X</u>	<u>X</u>					
Date Spudded <u>8-31-90</u>	Date Compl. Ready to Prod. <u>9-21-90</u>		Total Depth <u>2025'</u>		P.B.T.D. <u>1974'</u>			
Elevations (DF, RKB, RT, GR, etc.) <u>6196' GL, 6208' KB</u>	Name of Producing Formation <u>Fruitland Coal</u>		Top Oil/Gas Pay <u>1930'</u>		Tubing Depth <u>1928'</u>			
Perforations <u>Fruitland Coal 1930'-56'</u>					Depth Casing Shoe <u>2021'</u>			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
<u>12 1/4"</u>	<u>8 5/8"</u>		<u>332'</u>		<u>315 sx</u>			
<u>7 7/8"</u>	<u>5 1/2"</u>		<u>2021'</u>		<u>420 sx</u>			
	<u>2 3/8"</u>		<u>1928'</u>		<u>NA</u>			

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 be 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 <u>170</u>	Length of Test <u>24 hrs</u>	Bbls. Condensate/MMCF <u>0</u>	Gravity of Condensate <u>--</u>
Testing Method (pilot, back pr.) <u>Back pressure</u>	Tubing Pressure (Shut-in) <u>--</u>	Casing Pressure (Shut-in) <u>--</u>	Choke Size <u>54/64"</u>

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  
J. R. Jenkins, Hobbs Production Sup't.  
Printed Name  
12-6-90  
Date  
(915) 632-1626  
Telephone No.

OIL CONSERVATION DIVISION

Date Approved DEC 19 1990

By

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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other In-  
structions 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 \_\_\_\_\_

1b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ PLUG BACK ☐ DIFF. REVR. ☐ 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 790' FNL & 1625' FEL; Unit Letter B

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

30-045-27804

5-11-90

15. DATE SPUDDED

8-31-90

16. DATE T.D. REACHED

9-2-90

17. DATE COMPL. (Ready to prod.)

9-21-90

18. ELEVATIONS (OF. HKB, RT, OR, ETC.)\*

6208' KB

19. ELEV. CASINGHEAD

6196'

20. TOTAL DEPTH, MD & TVD

2025'

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

1974'

22. IF MULTIPLE COMPLETIONS, HOW MANY?

(1) 12 1/4" 7 7/8"

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

All

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

Fruitland Coal 1930'-1966'

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL-SFL, CHL-LDT-GR

OIL CON.

27. WAS WELL CORRODED

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#	332'	12 1/4"	315 sx (circ 160 sx)	None
5 1/2"	15.5#	2021'	7 7/8"	370 sx (circ 160 sx)	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	1928'	

31. PERFORATION RECORD (Interval, size and number)

Fruitland Coal  
1930'-34' (9 holes) w/2 JSPF  
1938'-48' (21 holes) w/2 JSPF  
1961'-66' (11 holes) w/2 JSPF

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1930'-1966'	Acid w/1500 gals 15% NEEF
	Frac w/55,000 gals x 80,000# sa

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
9-22-90		Pumping 1.25" Insert				Shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
11-7-90	24	54/64"	→	0	170	0	--
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	
20 psig	20 psig	→	0	170	0	--	

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

TEST WITNESSED BY

Eric Nelson

35. LIST OF ATTACHMENTS

DIL-SFL, CNL-LDT-GR

NMOCD

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

SIGNED

J. R. Jenkins

TITLE Hobbs Production Sup't. FARMINGTON RESOURCES GROUP

\*(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, flowing and shut-in pressures, and recoveries);					38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.		NAME	TOP	
						MEAS. DEPTH	TRUE VERT. DEPTH
					Ojo Alamo Kirtland Fruitland Pictured Cliffs	870' 964' 1765' 1973'	



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Marathon Oil Company

3. Address and Telephone No.

P. O. Box 552, Midland, Texas 79702

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

790' FNL & 1625' FEL; Unit Letter B  
Sec. 9, T27N, R11W

OIL CON. DIV.  
DIST. 3

5. Lease Designation and Serial No.

SF-078872 A

6. If Indian, Allottee or Tribe Name

Navajo

7. If Unit or CA, Agreement Designation

Not assigned

8. Well Name and No.

Bolack "9" No. 2

9. API Well No.

30-045-27804

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal

11. County or Parish, State

San Juan, New Mexico

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Initial Completion

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Marathon Oil Company initiated this completion of the Bolack "9" No. 2 on September 21, 1990. The following is a summary of the operation:

- 1) MIRU pulling unit & NU BOP's.
- 2) RIH w/bit & scraper on 2 3/8" tbg. Circ hole clean.
- 3) Test to 2500 psi & POOH.
- 4) RU Loggers. Ran GR-CBL-CCL. Bond across zone of interest.
- 5) RU full lubricator. Perf'd Fruitland 1930'-34', 1938'-48', 1961'-66' w/2 JSPF on September 21, 1990.
- 6) RIH w/FE packer on 2 3/8" tubing.
- 7) Acidize formation w/1500 gals 15% NEFE & 60 ball sealers at 5 BPM @ 1300 psi.
- 8) Release packer & knock balls off. POOH.
- 9) Frac formation w/80,000# sand x 55,000 gals of 70 quality nitrogen foam @ 15 BPM @ 750
- 10) Flow well to frac tank.
- 11) FIH w/tbg & rev circ out sand fill.
- 12) Land tbg @ 1928'.
- 13) Swab well in.

14. I hereby certify that the foregoing is true and correct

Signed

J. R. Jenkins

Title Hobbs Production Superintendent Date 12-6-90

(This space for Federal or State office use)

ACCEPTED FOR RECORD

Approved by

Title

Date

Conditions of approval, if any:

DEC 17 1990

NMOC

FARMINGTON RESOURCE AREA

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side

## GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State. Instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

## SPECIFIC INSTRUCTIONS

*Item 4*—If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

*Item 13*—Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

## NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

**AUTHORITY:** 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.

**PRINCIPAL PURPOSE** — The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

### ROUTINE USES:

(1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations.

(2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2).

(3) Analyze future applications to drill or modify operations in light of data obtained and methods used.

(4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

**EFFECT OF NOT PROVIDING INFORMATION** — Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that: This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

## BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 25 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management, (Alternate) Bureau Clearance Officer, (WO-771), 18 and C Streets, N.W., Washington, D.C. 20240, and the Office of Management and Budget, Paperwork Reduction Project (1004-0135), Washington, D.C. 20503.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Marathon Oil Company

3. Address and Telephone No.

P. O. Box 552, Midland, TX 79702 (915) 687-8522

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

790' FNL & 1625' FEL, Sec. 9, T-27-N, R-11-W

5. Lease Designation and Serial No.

SF-078872-A

6. If Indian, Allottee or Tribe Name

Navajo - NIIP

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Bolack #9-2

9. API Well No.

30-045-27804

10. Field and Pool, or Exploratory Area

Basin Fruitland

11. County or Parish, State

San Juan, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Spud & casing operations  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

MIRU Four Corners Rig #5. Spud 12-1/4" hole @ 1500 hrs 8-31-90. Drld to 339'. Ran 8 jts, 8-5/8", 24#, K-55, STC csg to 332'. Insert float @ 291'. RU cementers, tested lines to 2000#, cmt'd w/ 315 sx "8" + 2% CaCl<sub>2</sub> + 1/4 #/sk celloflake. CIP @ 2230 hrs 8-31-90. Circ'd 160 sx to surface. NU Larkin Fig. 92 2M csg head. NU Shafer LWS 11" 3M dual ram preventers & rotating head. Tested pipe rams, blind rams, choke manifold to 2000 psi. Ran accumulator performance test. TIH, tag cmt @ 280'. Total WOC 10-1/2 hrs. Drld cmt & tested shoe to 1500 psi. Resumed drilling formation w/ 7-7/8" bit.

Drld to 2000' (TD). Logged well as follows: DIL - 2000'-332'; comp. Drld to 2825'. Ran CNL/GR 2018'-332'. Changed rams to 5-1/2" & ran 48 jts, 5-1/2", 15.5#, K-55, STC csg to 2022', FC @ 1976'. RU BJ & tested lines to 2500#. Cmt'd w/ 350 sx "8" lite + 1/4# celloflake, 2% CaCl<sub>2</sub>. Tailed in w/ 70 sx "8" + 2% CaCl<sub>2</sub>, circ'd 160 sx to pit. CIP @ 0315 hrs 9-03-90. Welded on 5-1/2" x 7-1/16" 3M tbg head. Tested weld to 1000#. Rig released @ 0600 hrs 9-03-90.

**RECEIVED**

SEP 24 1990

OIL CON. 6  
DIST. 3

14. I hereby certify that the foregoing is true and correct

Signed

Title Drilling Superintendent

Date

9/24/90

(This space for Federal or State Office use)

Approved by

Title

Conditions of approval, if any:

**ACCEPTED FOR RECORD**

SEP 18 1990

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

FARMINGTON RESOURCE AREA

\*See instruction on Reverse Side

BY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF-078872 A	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Marathon Oil Company		7. UNIT AGREEMENT NAME Not assigned	
3. ADDRESS OF OPERATOR P. O. Box 552, Midland, TX 79702		8. FARM OR LEASE NAME Bolack 9	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 790' FNL & 1625' FEL At proposed prod. zone 790' FNL & 1625' FEL		9. WELL NO. 8-2	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 8.5 miles south of Bloomfield, NM		10. FIELD AND POOL, OR WILDCAT Basin Fruitland Coal	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 790'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 9, T-27-N, R-11-W	
16. NO. OF ACRES IN LEASE 320.246176		12. COUNTY OR PARISH San Juan	
17. NO. OF ACRES ASSIGNED TO THIS WELL 320		13. STATE NM	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None on lease		19. PROPOSED DEPTH ± 2000'	
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* May 1, 1990	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6196 6195.8' GR		22. APPROX. DATE WORK WILL START*	
23. PROPOSED CASING AND CEMENTING PROGRAM This action is subject to technical and procedural review pursuant to 43 CFR 3165.6 and appeal pursuant to 43 CFR 3165.4 DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED GENERAL CONDITIONS			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
11"	8-5/8"	24#	250'
7-7/8"	5-1/2"	15.5#	2000'
QUANTITY OF CEMENT			
175 sacks circ to surface			
315 sacks circ to surface			

Propose to drill to TD of ± 2000'.

All casing will be run and cemented in accordance with regulations and by approved methods.

Blowout prevention equipment will be as outlined in Additional Information.

See attached Multipoint Surface Use Plan and Additional Information for specific drilling operations.

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MAY 21 1990  
OIL CON. DIV.  
DIST. 3

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: [Signature] TITLE Drilling Superintendent DATE 4/4/90

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

NMCCD

\*See Instructions On Reverse Side

APPROVED  
AS AMENDED  
[Signature]  
AREA MANAGER

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-80

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

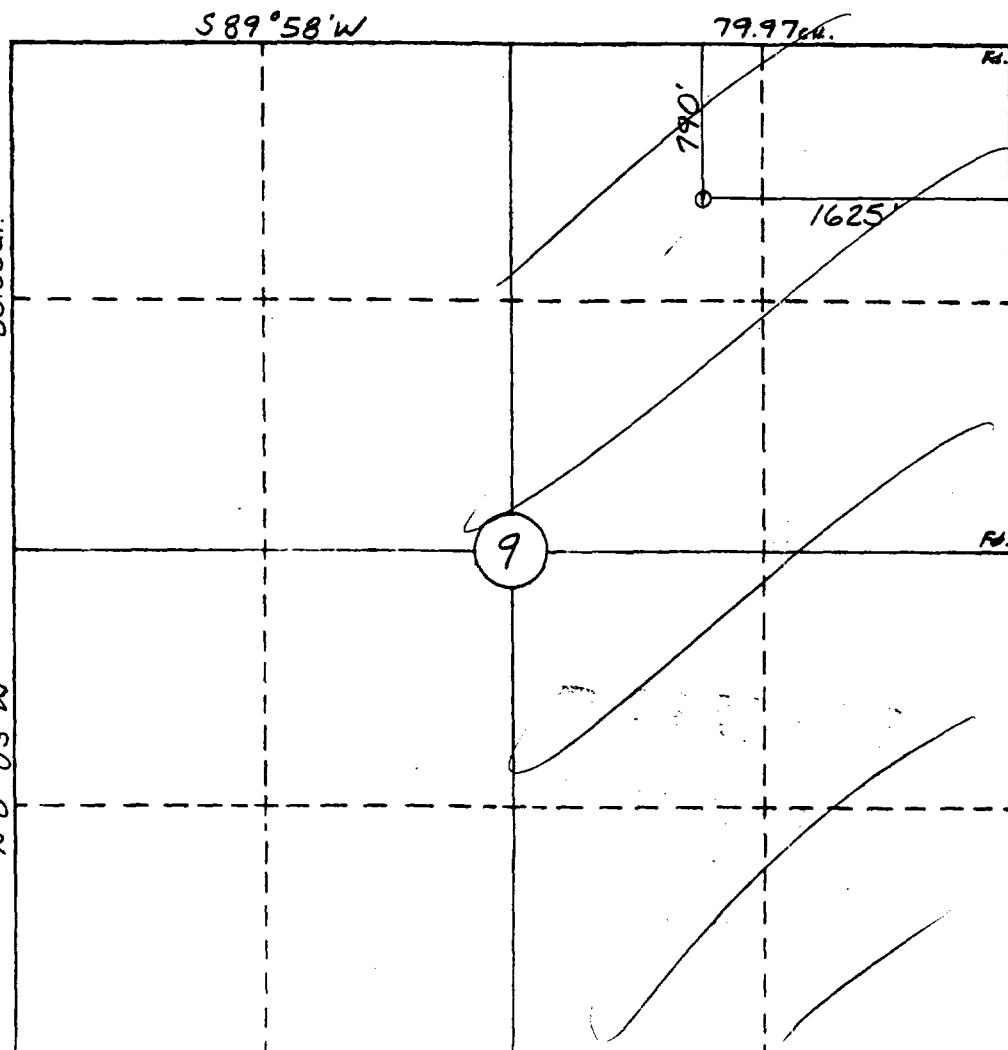
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator MARATHON OIL COMPANY			Lease BOLACK 9		Well No. 9-2
Unit Letter B	Section 9	Township 27 N	Range 11 W	County San Juan	
Actual Footage Location of Well: 790 feet from the North line and 1625 feet from the East line					
Ground level Elev. 6196	Producing Formation Fruitland Coal	Pool Basin Fruitland Coal		Dedicated Acreage: 320 Acres	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.</p> <p>2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).</p> <p>3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.? <input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes" type of consolidation _____ If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.</p>					

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600



OPERATOR CERTIFICATION

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

Signature: *S. L. Atnipp*  
Printed Name: S. L. Atnipp  
Position: Drilling Superintendent  
Company: Marathon Oil Company  
Date: 4/4/90

SURVEYOR CERTIFICATION

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 correct to the best of my knowledge and belief.

3-9-90

Date Surveyed: William F. Mahne II

Signature: *W. F. Mahne II*  
Professional Surveyor

WILLIAM F. MAHNE II  
#8466  
NEW MEXICO  
REGISTERED PROFESSIONAL LAND SURVEYOR  
Certified to 8466

STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
DIVISION FOR THE PURPOSE OF  
CONSIDERING:

**APPLICATION OF MARATHON OIL COMPANY  
FOR AN UNORTHODOX COAL GAS WELL LOCATION,  
SAN JUAN COUNTY, NEW MEXICO.**

*Case No. 10780*

**APPLICATION OF MARATHON OIL COMPANY  
FOR AN UNORTHODOX COAL GAS WELL LOCATION,  
SAN JUAN COUNTY, NEW MEXICO.**

*Case No. 10781*

**APPLICATION OF MARATHON OIL COMPANY  
FOR AN UNORTHODOX COAL GAS WELL LOCATION,  
SAN JUAN COUNTY, NEW MEXICO.**

*Case No. 10782*

*Order No. R-9987*

**ORDER OF THE DIVISION**

**BY THE DIVISION:**

All three causes came on for hearing at 8:15 a.m. on July 29, 1993, at Santa Fe, New Mexico, before Examiner Michael E. Stogner. However, Case No. 10781 was reopened at the October 7, 1993 hearing before Examiner David R. Catanach.

NOW, on this 13<sup>th</sup> day of October, 1993, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

**FINDS THAT:**

- (1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.
- (2) At the time of the July 29, 1993 hearing Case Nos. 10780 through 10782 were consolidated for the purpose of presenting testimony.
- (3) Case No. 10781 was reopened at the October 7, 1993 Examiner Hearing for purposes of notification.

(4) The applicant in each of the three following cases is Marathon Oil Company and due to the similarity, close proximity, and nature of each, a single directive issued by the Division is deemed appropriate:

- (a) in Case No. 10780 the applicant seeks approval to drill its Bolack "9" Well No. 3 at an unorthodox coal gas well location 790 feet from the North line and 1710 feet from the West line (Unit C) of Section 9, Township 27 North, Range 11 West, NMPM, Basin-Fruitland Coal (Gas) Pool, San Juan County, New Mexico, as a replacement well for its Bolack "9" Well No. 1 located at a standard coal gas well location 1877 feet from the South line and 796 feet from the West line (Unit L) of said Section 9, in the existing 320-acre standard gas spacing and proration unit comprising the W/2 of said Section 9;
- (b) in Case No. 10781 the applicant seeks approval to drill its Schwerdtfeger "17" Well No. 2 at an unorthodox coal gas well location 1605 feet from the South line and 1135 feet from the East line (Unit I) of Section 17, Township 27 North, Range 11 West, NMPM, Basin-Fruitland Coal (Gas) Pool, San Juan County, New Mexico, as a replacement well for its Schwerdtfeger "17" Well No. 1 located at a standard coal gas well location 790 feet from the North line and 1845 feet from the East line (Unit B) of said Section 17, in the existing 320-acre standard gas spacing and proration unit comprising the E/2 of said Section 17; and,
- (c) in Case No. 10782 the applicant seeks approval to drill its Bolack "9" Well No. 4 at an unorthodox coal gas well location 1700 feet from the South line and 1100 feet from the East line (Unit I) of Section 9, Township 27 North, Range 11 West, NMPM, Basin-Fruitland Coal (Gas) Pool, San Juan County, New Mexico, as a replacement well for its Bolack "9" Well

No. 2 located at a standard coal gas well location 790 feet from the North line and 1625 feet from the East line (Unit B) of said Section 9, in the existing 320-acre standard gas spacing and proration unit comprising the E/2 of said Section 9.

(5) The three aforementioned units are all located within the Basin-Fruitland Coal (Gas) Pool and are therefore subject to the Special Rules and Regulations for said pool, as promulgated by Division Order No. R-8768, as amended, which require that wells be located in either the NE/4 or SW/4 of a governmental section and no closer than 130 feet from any quarter section line nor closer than 10 feet from any quarter-quarter section line or subdivision inner boundary.

(6) Evidence in this case and records show that the three above-described existing wells were all drilled by Marathon Oil Company in the last half of 1990 and completed by setting 5-1/2 inch casing and sand fracturing the Fruitland Coal interval:

- (a) on initial gauge the Bolack "9" Well No. 1 produced at 66 MCFPD. In January, 1991 a wellhead compressor was placed on the well and connected to sales. Production increased to a rate of 120 MCFPD over the succeeding six month period. By August, 1992 however the well had declined to 90 MCFPD and was acidized and placed on gas-lift to remove produced water. In April, 1993, the well had declined to 36 MCFPD and a second fracture stimulation was performed. No increase in production has been observed and the well is currently at its economic limit;
- (b) initially the Schwerdtfeger "17" Well No. 1 produced no measurable volumes of gas. A second sand fracture treatment was performed in January, 1991 and a pumping unit was installed for testing, rates of 15 MCFPD were measured and the well was shut-in. In October, 1992 a third test was unsuccessful and the well was shut-in for the final time; and,



- (c) on initial gauge the Bolack "9" Well No. 2 produced a volume of gas "too small to measure". In January, 1991 a wellhead compressor was placed on the well and connected to sales. Production increased to a rate of 150 MCFPD over the first three months. By June, 1992, however, the well had declined to 40 MCFPD and was temporarily shut-in. In September, 1992, the well was acidized and placed on gas-lift at a rate of 30 MCFPD. In April, 1993 the well was evaluated for re-stimulation, Marathon decided not to refracture the well due to the previous unsuccessful results on the Bolack "9" Well No. 1 and the Schwerdtfeger "17" Well No. 1. In June, 1993 the well was shut-in due to uneconomic production.

(7) Evidence presented by the applicant indicates that most of the immediate offsetting area surrounding the three units is currently being developed within the Basin-Fruitland Coal (Gas) Pool, of this development only one coal gas well appears to be off-pattern. The S/2 of Section 10, Township 27 North, Range 11 West, NMPM, San Juan County, New Mexico is dedicated to the R & G Drilling Company Schlosser Well No. 16 located at an unorthodox off-pattern location in Unit P (Division Administrative Order NSL-3150, dated September 1, 1992).

(8) Further evidence indicates many of these offsetting wells have commercial coal gas production even though the completion techniques used were similar to those described in Finding Paragraph No. (6) above.

(9) Evidence indicates the presence of Basin-Fruitland Coal gas reserves in commercial quantities remaining in the three subject units.

(10) The applicant is attempting to obtain commercial production from said units by placing wells on the opposing off-pattern quarter sections.

(11) The applicant proposes to utilize the three above-described existing wells as observation wells in the Basin-Fruitland Coal (Gas) Pool should this matter be authorized.

(12) The proposed replacement wells are all "standard" as to the footage requirements.

(13) No offsetting operator and/or interest owner appeared at the hearing in opposition to this application.

(14) In order to allow the applicant the opportunity to produce its just and equitable share of gas reserves in the Basin-Fruitland Coal (Gas) Pool underlying all of Section 9 and the E/2 of Section 17, both in Township 27 North, Range 11 West, NMPM, San Juan County, New Mexico, thereby preventing waste and protecting correlative rights, the three subject applications should be approved.

**IT IS THEREFORE ORDERED THAT:**

(1) The applicant in Case Nos. 10780, 10781, and 10782, Marathon Oil Company, is hereby authorized:

- (a) to drill its Bolack "9" Well No. 3 at an unorthodox coal gas well location 790 feet from the North line and 1710 feet from the West line (Unit C) of Section 9, Township 27 North, Range 11 West, NMPM, Basin-Fruitland Coal (Gas) Pool, San Juan County, New Mexico, as a replacement well for its Bolack "9" Well No. 1 located at a standard coal gas well location 1877 feet from the South line and 796 feet from the West line (Unit L) of said Section 9, in the existing 320-acre standard gas spacing and proration unit comprising the W/2 of said Section 9;
- (b) to drill its Schwerdtfeger "17" Well No. 2 at an unorthodox coal gas well location 1605 feet from the South line and 1135 feet from the East line (Unit I) of Section 17, Township 27 North, Range 11 West, NMPM, Basin-Fruitland Coal (Gas) Pool, San Juan County, New Mexico, as a replacement well for its Schwerdtfeger "17" Well No. 1 located at a standard coal gas well location 790 feet from the North line and 1845 feet from the East line (Unit B) of said Section 17, in the existing 320-acre standard gas spacing and proration unit comprising the E/2 of said Section 17; and,

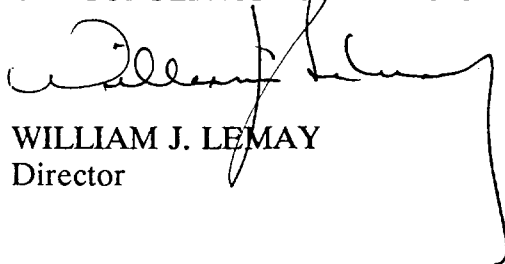
- (c) to drill its Bolack "9" Well No. 4 at an unorthodox coal gas well location 1700 feet from the South line and 1100 feet from the East line (Unit I) of Section 9, Township 27 North, Range 11 West, NMPM, Basin-Fruitland Coal (Gas) Pool, San Juan County, New Mexico, as a replacement well for its Bolack "9" Well No. 2 located at a standard coal gas well location 790 feet from the North line and 1625 feet from the East line (Unit B) of said Section 9, in the existing 320-acre standard gas spacing and proration unit comprising the E/2 of said Section 9.

(2) Subsequent to the drilling and completing of the proposed replacement well on its respective spacing unit, the operator shall not be allowed to utilize the original well on that unit as a producing well in the Basin-Fruitland Coal (Gas) Pool.

(3) Jurisdiction of these causes is hereby retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY  
Director

S E A L