

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☐

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☐

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Morgan Richardson Operating Company

3. ADDRESS OF OPERATOR

P. O. Box 1915 Farmington, NM 87499

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

At surface

790' FNL, 970' FEL (NENE)

At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

12 miles from Blanco, NM

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

2200'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5812' GR

This action is subject to technical and  
procedural review pursuant to 43 CFR 3165.3

22. APPROX. DATE WORK WILL START\*

As soon as permitted

23. PROPOSED CASING AND CEMENTING PROGRAM

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24	240'	150 sx (cement to surface)
7 7/8"	4 1/2"	10.5	2200'	400 sx (cement to surface)

RECEIVED  
DEC 07 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

*Bruce C. Delventhal*

TITLE

Agent

DATE

September 15, 1990

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NMOCD

\*See Instructions On Reverse Side



OIL CONSERVATION DIVISION

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

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

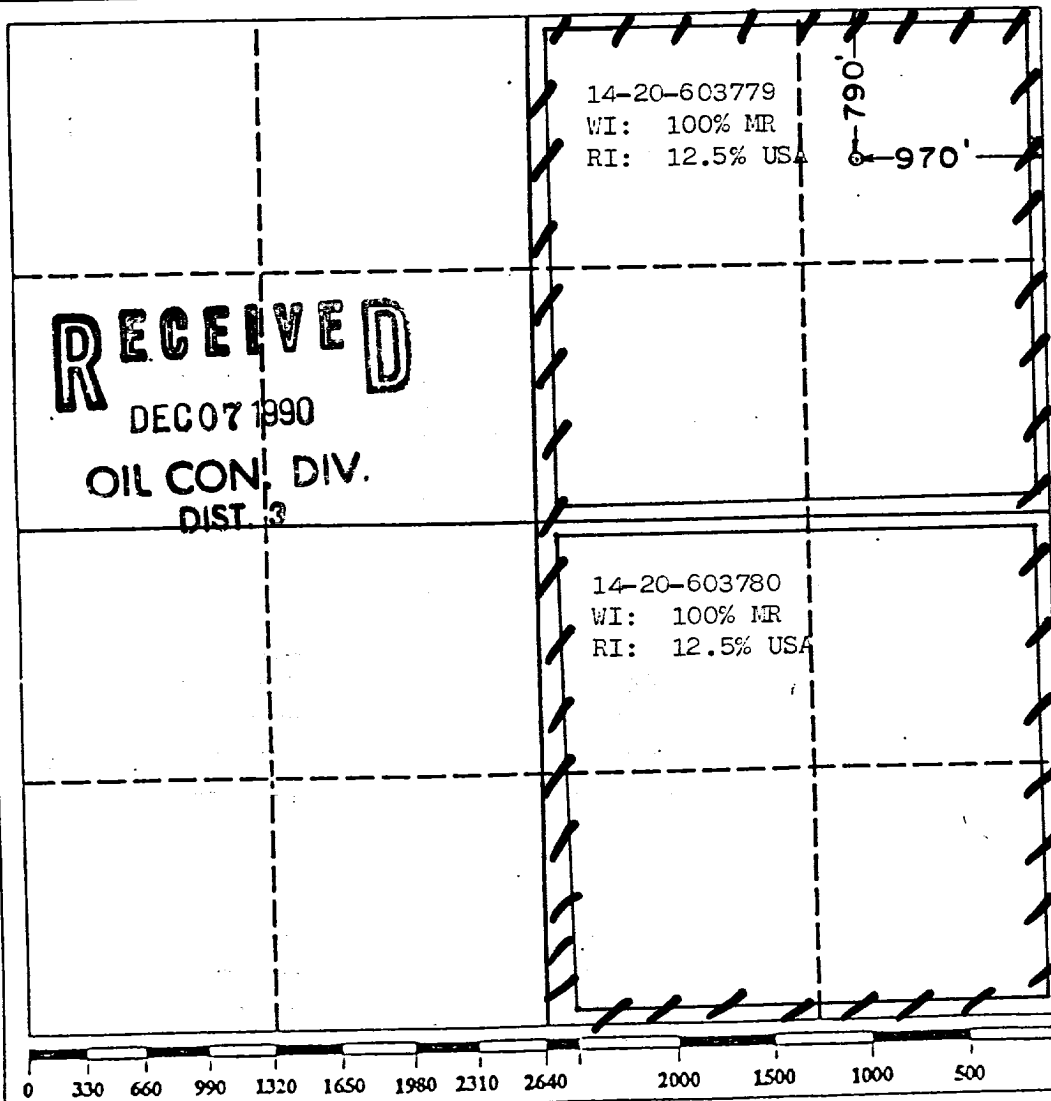
DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

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 <b>MORGAN RICHARDSON OPERATING, CO.</b>			Lease <i>Federal 14-25</i>		Well No. <i>Red 14-25 #1</i>
Unit Letter <b>A</b>	Section <b>25</b>	Township <b>28 North</b>	Range <b>9 West</b>	County <b>NMPM San Juan</b>	
Actual Footage Location of Well: <b>790</b> feet from the <b>North</b> line and <b>970</b> feet from the <b>East</b> line					
Ground level Elev. <b>5812'</b>	Producing Formation <b>Fruitland</b>	Pool <b>Basin Fruitland Coal</b>		Dedicated Acreage: <b>320</b> 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  
*Bruce E. Delventhal*  
Printed Name  
**Bruce E. Delventhal**  
Position  
**Agent**  
Company  
**Morgan Richardson Operating**  
Date  
**September 15, 1990**

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  
**90**  
Signature  
*[Signature]*  
Professional Surveyor  
**6844**  
Certified  
**NEW MEXICO**

(November 1983)  
(Formerly 9-331)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE\*  
(Other instructions on re-  
verse side)

Budget Bureau No. 1004-  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL

14-20-603779

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

*Allotted*

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal 14-25

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

Basin Fruitland Coal

11. SEC., T., R., M., OR BLK. AND  
SUBVEY OR AREA

25, T28N, R9W NMPM

12. COUNTY OR PARISH

San Juan

13. STATE

NM

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Morgan Richardson Operating Company

3. ADDRESS OF OPERATOR

P. O. Box 1915 Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

790' FNL, 970' FEL (NENE)

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5812' GR

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON\*

CHANGE PLANS

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

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

17. 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 perti-  
nent to this work.)

Morgan Richardson Operating Company requests permission to change the proposed  
surface casing string from 8 5/8", 24#, J-55 to 8 5/8", 20#, X-42 casing.

RECEIVED  
JAN 04 1991  
OIL CON. DIV  
DIST. 2

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

SIGNED *Dana Delmonico*

TITLE Agent

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED

DATE Nov 2, 1990

DEC 26 1990

*M. Macdonald*  
AREA MANAGER  
FARMINGTON RESOURCE AREA

\*See Instructions 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.

MORGAN RICHARDSON OPERATING CO.

Federal 14-25 #1  
790' FNL, 970' FEL  
Sec. 25, T28N, R9W  
San Juan County, New Mexico

**RECEIVED**

**JAN 31 1991**

**OIL CON. DIV**  
**DIST. 3**

SLOPE TESTS

<u>Depth</u>	<u>Hole Deviation</u>
260'	2 degrees
800'	1/2 degree
1300'	2 degrees
1900'	1 1/2 degrees
2250'	2 1/2 degrees

State of New Mexico     )  
                                  ) ss  
County of San Juan     )

I, Bruce E. Delventhal, being first duly sworn, depose and state that the above and foregoing depth and hole deviation figures are true and correct to the best of my information and belief.

Bruce E. Delventhal

Subscribed and sworn before me this 15th day of January, 1991.

Patricia A. Sills

Notary Public

My Commission Expires August 21, 1994.

Form 3160-5  
(November 1983)  
(Formerly 9-331)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.  
14-20-603779  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Navajo Allotted  
7. UNIT AGREEMENT NAME  
8. FARM OR LEASE NAME  
Federal 14-25  
9. WELL NO.  
#1  
10. FIELD AND POOL, OR WILDCAT  
Basin Fruitland Coal  
11. SEC., T., S., M., OR BLK. AND  
SURVEY OR AREA  
25, T28N, R9W NMPM  
12. COUNTY OR PARISH  
San Juan  
13. STATE  
NM

1. OIL WELL ☐ GAS WELL ☒ OTHER  
2. NAME OF OPERATOR  
Morgan Richardson Operating Company  
3. ADDRESS OF OPERATOR  
P. O. Box 1915 Farmington, NM 87499  
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below.)  
At surface

790' FNL, 970' FEL (NENE)  
14. PERMIT NO.  
30-045-28464  
15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5812' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETION

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other) Production Casing Report

(Other)

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

17. 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.)

Pressure tested surface casing and BOP to 1500 psi for 30 min--held OK. Ran 51 jts of 4 1/2", 10.5#, J-55 casing. Casing landed at 2243' KB. PBD of 2198' KB. Cemented with 150 sx (581 cf) of Class B containing 3% sodium metasilicate and 1/4 #/sk cello flakes. Tailed in with 150 sx (177 cf) of Class B containing 2% CaCl and 1/4 #/sk cello flakes. Circulated cement to surface.

RECEIVED  
MAR 04 1991  
OIL CON. DIV.  
DIST. 3

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

SIGNED Dana Deluenthal

TITLE Agent

DATE Jan 14, 1991

(This space for Federal or State office use)

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACCEPTED FOR RECORD

DATE

FEB 21 1991

\*See Instructions on Reverse Side

FARMINGTON RESOURCE AREA

BY MT

Title 18 U.S.C. Section 1001, makes it a crime to knowingly and willfully 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.

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		2. NAME OF OPERATOR Morgan Richardson Operating Company		3. ADDRESS OF OPERATOR P. O. Box 1915 Farmington, NM 87409		4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 790' FNL, 970' FNL (NENE)		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603779		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Allotted		7. UNIT AGREEMENT NAME		8. FARM OR LEASE NAME Federal 14-25		9. WELL NO.		10. FIELD AND POOL, OR WILDCAT #1 Basin Fruitland Coal		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 25, T28N, R9W NMPM		12. COUNTY OR PARISH San Juan		13. STATE NM	
14. PERMIT NO. 30-045-28464				15. ELEVATIONS (Show whether OF, RT, GR, etc.) 5812' GR																					

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANT	<input type="checkbox"/>	(Other) A Surface Casing Report	<input type="checkbox"/>		<input checked="" type="checkbox"/>
(Other)				(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. 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.)

Spud well at 7:00 PM on 12/07/90. Ran 6 jts of 8 5/8", 20#, X-42 casing. Casing landed at 268' KD. Cemented with 210 sx (247 cf) of Class B containing 2% CaCl and 1/4 # /sk cello flakes. Circulated cement to surface.

RECEIVED  
MAY 01 1991  
OIL CON. DIV.  
DIST. 2

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

SIGNED <u>Dana Delventhal</u>	TITLE <u>Agent</u>	DATE <u>Jan 14, 1991</u>
(This space for Federal or State office use)		
APPROVED BY _____	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		

ACCEPTED FOR RECORD  
FEB 12 1991

\*See Instructions on Reverse Side

OPERATOR

FARMINGTON RESOURCE AREA

BY MT

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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 <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <input type="checkbox"/>
2. NAME OF OPERATOR Morgan Richardson Operating Company							
3. ADDRESS OF OPERATOR P. O. Box 1915 Farmington, NM 87499							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 790' FNL, 970' FEL At top prod. interval reported below At total depth Same							
14. PERMIT NO. 30-045-28464				DATE ISSUED 11/26/90			
15. DATE SHUTDOW 12/07/90		16. DATE T.D. REACHED 12/13/90		17. DATE COMPL. (Ready to prod.) 01/31/91		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5812' GR	
20. TOTAL DEPTH, MD & TVD 2243'		21. PLUG, BACK T.D., MD & TVD 2198'		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY →	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* 1950-2078 Fruitland Coal						25. WAS DIRECTIONAL SURVEY MADE Yes	
26. TYPE ELECTRIC AND OTHER LOGS RUN Cased Hole Compensated Neutron, Gamma Ray, CCL						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"	20	268'	12 1/4"	210 sx (247 cf) Class B			
4 1/2"	10.5	2243'	6 1/4"	300 sx (758 cf) Class B			
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"	2102'						
31. PERFORATION RECORD (Interval, size and number) 1950-1958, 1968-1986, 1993-2000, 2012-2018, 2034-2040, and 2048-2078 total of 150 0.5" holes				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED		
				1950-2078	39,820 gal fluid		
					15,000# 40/70		
					265,000# 12/20		
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)				WELL STATUS (Producing or shut-in) WO Pipeline	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BRL.	GAS--MCF.	WATER--BRL.	GAS-OIL RATIO
08/16/91	24	0.375"	→		135		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BRL.	OIL GRAVITY-API (CORP.)	
65	100	→		135			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented						TEST WITNESSED BY Russell Elliott	
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 <u>Dana Delcouth</u>		TITLE <u>Agent</u>		DATE <u>3/19/91</u>			

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

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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	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Fruitland	1914'	2084'				
Pictured Cliffs	2084'	TD				