



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

JERRY APODACA  
GOVERNOR

NICK FRANKLIN  
SECRETARY

June 19, 1978

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-2434

J. Gregory Merrion  
P. O. Box 507  
Farmington, New Mexico 87401

Administrative Order NSL-961

Gentlemen:

Reference is made to your application for a non-standard location for your Hi Roll Well No. 2 located 2000 feet from the South line and 1850 feet from the West line of Section 35, Township 27 North, Range 13 West, NMPM, Nipp-Pictured Cliffs Pool, San Juan County, New Mexico.

By authority granted me under the provisions of Rule 104 F of the Division Rules and Regulations, the above-described unorthodox location is hereby approved.

Very truly yours,

JOE D. RAMEY,  
Division Director

JDR/RLS/dr

cc: Oil Conservation Division - Aztec  
Oil & Gas Engineering Committee - Hobbs  
U. S. Geological Survey - Farmington

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

Merrion Oil & Gas Corporation (14634)

3. Address and Telephone No.

610 Reilly Avenue, Farmington, NM 87401-2634

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

2000' fsl & 1850' fwl (ne sw)  
Section 3, T24N, R6W 35-27N-13W



5. Lease Designation and Serial No.

NM-33047

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Hi Roll No. 2

9. API Well No.

30-045-23033

10. Field and Pool, or Exploratory Area

WAW Fruitland/PC

11. County or Parish, State

San Juan County,  
New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<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

(Note: Report results of multiple completion on 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.)\*

Merrion Oil & Gas proposes to plug and abandon the subject wellbore. A detailed procedure will follow.

2000 JUL 12 PM 12:27  
OIL CONSERVATION DIV.

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

Signed

Connie S. Dinning

Title Engineer

Date

7/10/00

(This space for Federal or State office use)

Approved By

Title

ACCEPTED FOR RECORD

Conditions of approval, if any:

NR000

JUL 17 2000

Distribution: O+4 (BLM); 1-Accounting; 1-Crystal; 1-File

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
BLM

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

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT--" for such proposals

APR 24 PM 12:12  
070 FARMINGTON NM

SUBMIT IN TRIPLICATE

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
**Merrion Oil & Gas Corporation (14634)**

3. Address and Telephone No.  
**610 Reilly Avenue, Farmington, NM 87401-2634 (505) 327-9801**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**2000' fsl & 1850' fwl (ne sw)  
 Section 35, T27N, R13W**

5. Lease Designation and Serial No.  
**NM-33047**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
**HI ROLL No. 2**

9. API Well No.  
**30-045-23033**

10. Field and Pool, or Exploratory Area  
**WAW Fruitland Sand P.C.**

11. County or Parish, State  
**San Juan County,  
 New Mexico**

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

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<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <b>Frac Report</b>
	<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

(Note: Report results of multiple completion on 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.)\*

4/10/98 MIRU JC Well Service. Pull 38 joints of 1", IJ, 1.72#, J-55, 10rd tubing- out on Dash float for later use. Ran slick line to check for fill, PBSD @ 1315', BP 1270', fill to 1292' GL. SD for holiday and weekend.

4/14/98 RU Petro WL. Perforated additional Pictured Cliffs intervals from 1234'-1248' with bi-wire, 2-1/8" charges - 4 SPF. Gun stuck in hole. Wireline broke 1' above rope socket. RD WL. RU JC Well Service pole rig. TIH with overshot on 1" tubing. Pushed fish to bottom, latched onto fish. TOH with collar locator rope socket, bi-wire still in hole. Release rig. SDON.

\*\*\* CONTINUED OTHER SIDE \*\*\*

RECEIVED  
MAY - 4 1998  
OIL CON. DIV.  
DIST. 3

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

Signed Steven S. Dunn Title Drlg & Prod Manager

Date 4/23/98

(This space for Federal or State office use)

Approved By \_\_\_\_\_ Title \_\_\_\_\_ Date MAY 1998

Conditions of approval, if any:

FARMINGTON DISTRICT OFFICE

**4/15/98** RU Dowell. Conduct step-down test using 25# linear gel. Inject at 24.0 BPM. Pressure up to 2050 psi. Steadily broke back to 1330 psi. Test results:

<u>Q (BPM)</u>	<u>Press</u>
24.0	1330
18.7	990
10.7	560
0	0

Calculated perf friction pressure = 360 psi (22 out of 100 perfs open). Tortuosity = 390 psi. Leak off = .04 (perm = 26 md). Use BH frac press = 550 psi (.44 psi/ft) + 390 psi = 910 psi to calculate N<sub>2</sub> rates for job. Used 330 scf/bbl N<sub>2</sub>.

Frac well as follows with 70Q N<sub>2</sub> foam:

<u>BH</u>	<u>Stage</u>	<u>Slurry</u>	<u>BH</u>	<u>Surf</u>	<u>Comments</u>
<u>Sand</u>	<u>Slurry</u>	<u>Rate</u>	<u>Rate</u>	<u>Press</u>	
<u>Conc</u>	<u>Vol. Bbls</u>	<u>BPM</u>	<u>BPM</u>		
Pad	71.5	9.0	30.7	1450	Put in 1/2# slug
1#	1.3	11.0	30.6	1370	AZ
2#	44.8	11.1	30.1	1440	AZ
3#	45.6	12.6	29.9	1530	AZ
4#	51.1	13.7	29.9	1610	AZ
5#	31.2	15.0	30.2	1690	AZ
5#	16.6	15.1	30.2	1684	Resin coated
Flush	4.0	15.1	30.2	1484	
ISIP	0	0		940	

SI Well 45 mins to RD Dowell. Pumped total of 46,800 Arizona and 12,300 resin coated 20/40 sand. Blowback well on 1/4" choke. Blew foam 1.0 hr and died. WO rig to Clean

**4/16/98** RIH w/ slickline, tag fill @ 102' above top perf. WO rig.

**4/21/98** MOL and RU JC Well Service 4/21/98. Spot pump and pit. Found well dead. PU 2-1/4" bit, bit sub and RIH on 1-1/4" EUE tubing. Tagged up on sand fill at 1132' GL. PU power swivel and break circulation. CO sand with good returns. CO to 1253' before losing all returns to formation. LD power swivel and TOH with tubing and bit. PU bailer and prep to RIH. Note: Circulated out 20/40 sand containing very little resin coated sand.

**4/22/98** Found well dead. RIH with bailer and tag sand at 1249'. CO with bailer to approx. 1251'. Unable to work down any further. Attempted to rotate bailer and adjust pump rate with no success. Called for nitrogen. TOH and LD bailer. RIH with notched collar on bottom of 1-1/4" EUE tubing. RU Halliburton and est. circulation with 1000 scf of nitrogen. CO to 1266', unable to work past 1266'. Cut nitrogen and PU power swivel. CO approx. 4' to 1270', quit making progress and pipe started to torque up. Started making metal (looks like aluminum chunks) in returns. Cut nitrogen and RD Halliburton. LD power swivel and TOH. Install 2-7/8" ball valve on top of casing and shut well in. RD JC Well Service.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
BLM

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

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.  
**NM-33047**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
**Hi Roll #2**

9. API Well No.  
**30-045-23033**

10. Field and Pool, or Exploratory Area  
**WAW Fruitland, PC**

11. County or Parish, State  
**San Juan County,  
New Mexico**

1. Type of Well  
Oil  Well Gas  Well  Other

2. Name of Operator  
**Merrion Oil & Gas Corporation**

3. Address and Telephone No.  
**610 Reilly Avenue, Farmington, NM 87401-2634 (505) 327-9801**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**2000' fsl & 1850' fwl (ne sw)  
Section 35, T27N, R13W**

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

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<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
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	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Routine Fracturing</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
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Merrion Oil & Gas proposes to fracture the Pictured Cliffs in the subject wellbore according to the attached procedure.

RECEIVED  
MAR 30 1993  
OIL CON. DIV.  
DIST. 3

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

Signed CS **Connie S. Dinning** Title Contract Engineer Date 3/2/98

(This space for Federal or State office use)

Approved By AS/ Duane W. Spencer Title \_\_\_\_\_ Date MAR 26 1998

Conditions of approval, if any:

NM900

# Merrion Oil & Gas Corporation

## Stimulation Procedure

February 17, 1998

<b>Well:</b>	<b>Hi Roll No. 2</b>	<b>Field:</b>	WAW Fr-PC
<b>Location:</b>	2000' fsl & 1850' fwl (ne sw) Sec 35, T27N, R13W, NMPM San Juan County, New Mexico	<b>Elevation:</b>	6039' RKB 6034' GL
		<b>By:</b>	Connie Dinning

---

### **Procedure:**

#### ***Prior to Move-in***

1. Check wellhead configuration and complete detail sketch of equipment.
2. Dig small workover pit (10' X10' X 6") to blow into while cleaning up.

#### ***Fracture Pictured Cliffs***

1. Move in, rig up JC Well Service pulling unit.
2. Lay casing vent line down wind. Stake down for use in clean out.
3. Open well to atmosphere and blow down. (see diagram next page)
4. Rig up BOPs & stripping head.
5. Unset 1" IJ tubing. Pick up additional 1" tubing, tag fill.
6. Tally out of hole.
7. RIH and clean out w/ bailer if fill is tagged above the perfs (bottom perf @ 1,270').
8. POH w/ tubing.
9. Perforate additional PC interval 1,234' - 1,248', 4 spf, referenced to open hole induction log dated 5/20/78.
10. RD wireline company.
11. ND BOP & Companion Flange. RDMOL w/ JC Well Service.
12. Install master valve on 2-7/8" casing.
13. MIRU Stimulation Company.
14. RU flow back line with 1/2" positive choke.
15. Pump frac as detailed on attached procedure down 2-7/8".
16. RD stimulation equipment.
17. Open well to pit as soon as possible. Let flow back to clean up.
18. RIH w/ slickline to check for fill.
19. MIRU JC Well Service, re-run tubing and CO if necessary. Flange up wellhead.
20. RDMO

#### ***Surface Modifications***

1. Install meter run and tie to EPFS.
2. Install 2 phase heated separator.
3. Install rental compressor.
4. Return well to production.

Merrion Oil & Gas Corporation  
Wellbore Schematic

Hi Roll No. 2

Current Wellbore Configuration

Location: 2000' fsl & 1850' fwl (ne sw)  
Sec 35, T27N, R13W, NMPM  
San Juan County, New Mexico

Date: Oct 4, 1996

Elevation: 6034' GL  
6039' RKB

Prepared by: Steven S. Dunn

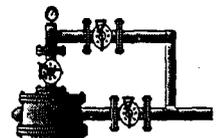
Tertiary

Cretaceous

Ojo Alamo  
Farmington  
Kirtland - 100'

Fruitland - 760'

Pictured Cliffs - 1238'



Top of Cmt @ Surface

Surface Bit Size - 9-3/4"

7" 23# Surface Csg @ 40' KB w/ 6 sx

Bit Size 5"

1" IJ 1.72# J55 10 rd Tubing @ 1276'GR

Proposed Perfs ... 1234-48' KB. w/ 4jspf

Perfs ... 1239-42' KB. w/ 2jspf (5/31/1978)  
1248'-70' KB w/ 2jspf

PBTD @ 1315'KB  
TD @ 1340'KB  
2-7/8" 6.4# J55 NUE Production Csg @ 1337' w/ 150 sx

Merrion Oil & Gas Corporation  
Wellbore Schematic

Hi Roll No. 2

Proposed Wellbore Configuration

Location: 2000' fsl & 1850' fwl (ne sw)  
Sec 35, T27N, R13W, NMPM  
San Juan County, New Mexico

Elevation: 6034' GL  
6039' RKB

Date: February 5, 1998

Prepared by: Connie S. Dinning

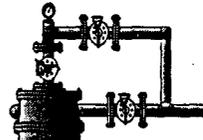
Tertiary

Cretaceous

Ojo Alamo  
Farmington  
Kirtland - 100'

Fruitland - 760'

Pictured Cliffs - 1238'



Top of Cmt @ Surface

Surface Bit Size - 9-3/4"

7" 23# Surface Csg @ 40' KB w/ 6 sx

Bit Size 5"

1" IJ 1.72# J55 10 rd Tubing @ 1276'GR

Perfs ... 1239-42' KB. w/ 2jspf (5/31/1978)  
1248'-70' KB w/ 2jspf

PBTD @ 1315'KB  
TD @ 1340'KB  
2-7/8" 6.4# J55 NUE Production Csg @ 1337" w/ 150 sx

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

5. Lease Designation and Serial No.  
NM 33047

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
Hi Roll No. 2

9. API Well No.  
30-045-23033

10. Field and Pool, or Exploratory Area  
WAW PC-Fr

11. County or Parish, State  
San Juan County, New Mexico

**SUNDRY NOTICES AND REPORTS ON WELLS**

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Use "APPLICATION FOR PERMIT-" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Merrion Oil & Gas Corporation

3. Address and Telephone No.

610 Reilly Ave Farmington NM 87401  
ph: (505) 327-9801

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

2000' fsl & 1850' fwl (ne sw)  
Sec 35, T27N, R13W, NMPM

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

TYPE OF SUBMISSION	TYPE OF ACTION
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	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <b>Re-perf &amp; Acidize</b>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
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(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)

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Merrion Oil & Gas requests approval to re-perforate the Pictured Cliffs interval over the existing perforations (1239'-42', & 1248'-70') with 2 jsfp and to acidize the perfs with 15% HCL. The well will then be back flowed to clean up and returned to production. A wellbore schematic is attached.

RECEIVED  
OCT 1 8 1996

OIL CON. DIV.  
DIST 3

RECEIVED  
BLM  
OCT 1 8 PM 1:10  
OIL CON. DIV. DIST 3

COPIES: BLM+4, LAND+1, ACTG+1, WELL FILE+1

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

Signed:

Steven S. Dunn

Title Operations Manager

Date October 7, 1996

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

**APPROVED**

OCT 1 1 1996

**DISTRICT MANAGER**

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.

# Merrion Oil & Gas Corporation Wellbore Schematic

## Hi Roll No. 2

Current Wellbore Configuration

Location: 2000' fsl & 1850' fwl (ne sw)  
Sec 35, T27N, R13W, NMPM  
San Juan County, New Mexico

Elevation: 6034' GL  
6039' RKB

Date: Oct 4, 1996

Prepared by: Steven S. Dunn

Tertiary

Ojo Alamo

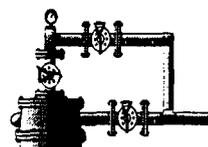
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Kirtland - 100'

Cretaceous

Fruitland - 760'

Pictured Cliffs - 1238'



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Surface Bit Size - 9-3/4"

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Bit Size 5"

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Perfs ... 1239-42' KB. w/ 2]spf (5/31/1978)  
1248'-70' KB w/ 2]spf

PBTD @ 1315'KB  
TD @ 1340'KB  
2-7/8" 6.4# J55 NUE Production Csg @ 1337" w/ 150 sx

All distances must be from the outer boundaries of the Section.

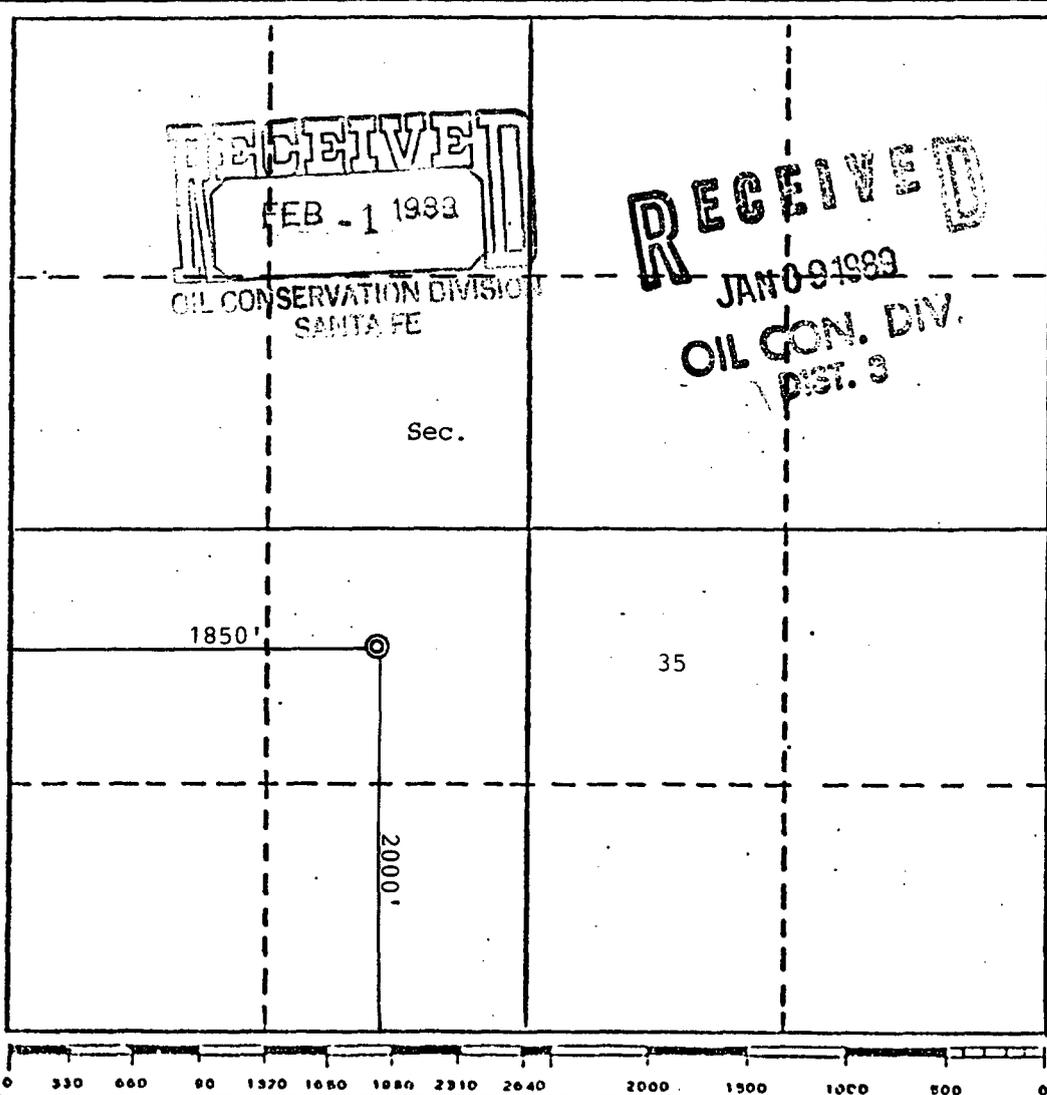
Operator MERRION OIL & GAS CORP.		Lease Hi Roll		Well No. 2
Unit Letter K	Section 35	Township 27N	Range 13W	County San Juan
Actual Footage Location of Well: 2000 feet from the South line and 1850 feet from the West line				
Ground Level Elev. 6034' GL	Producing Formation Pictured Cliffs	Pool WAW Fruitland Pictured Cliffs Sand	Dedicated Acreage: 160 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 interests 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 interests, has been approved by the Division.



CERTIFICATION

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

Name: Steven S. Dunn  
Position: Operations Manager

Company: MERRION OIL & GAS CORP.

Date: 12/29/88

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: \_\_\_\_\_  
Registered Professional Engineer and/or Land Surveyor: \_\_\_\_\_

Certificate No. \_\_\_\_\_

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

**RECEIVED**  
JAN 20 1989  
OIL CONSERVATION DIVISION  
SANTA FE

Form C-104  
Revised 10-01-78  
Format 06-01-83  
Page 1

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	
	GAS	
OPERATOR		
PRORATION OFFICE		

OIL CONSERVATION DIVISION  
SANTA FE  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

**RECEIVED**  
JAN 09 1989  
OIL CON. DIV.  
DIST. 3

**I.**

Operator  
MERRION OIL & GAS CORP.

Address  
P. O. Box 840, Farmington, N.M. 87499

Reason(s) for filing (Check proper box)

<input type="checkbox"/> New Well	Change in Transporter of:	<input type="checkbox"/> Dry Gas
<input type="checkbox"/> Recompletion	<input type="checkbox"/> Oil	<input type="checkbox"/> Condensate
<input type="checkbox"/> Change in Ownership	<input type="checkbox"/> Casinghead Gas	

Other (Please explain)  
New Pool

If change of ownership give name and address of previous owner \_\_\_\_\_

**II. DESCRIPTION OF WELL AND LEASE**

Lease Name Hi Roll	Well No. 2	Pool Name, including Formation WAW Fruitland Pictured Cliffs Sand	Kind of Lease State, Federal or Fee Federal	Lease No. NM33047
Location Unit Letter <u>K</u> ; <u>2000</u> Feet From The <u>South</u> Line and <u>1850</u> Feet From The <u>West</u>				
Line of Section <u>35</u> Township <u>27N</u> Range <u>13W</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 Co.	P. O. Box 990, Farmington, N.M. 87499			
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.
	Is gas actually connected?		When	
	Yes		6/17/80	

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

NOTE: Complete Parts IV and V on reverse side if necessary.

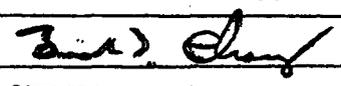
**VI. CERTIFICATE OF COMPLIANCE**

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

  
Operations Manager  
(Signature)  
1/4/89  
(Date)

OIL CONSERVATION DIVISION  
JAN 09 1989

APPROVED \_\_\_\_\_, 19\_\_\_\_

BY   
TITLE **SUPERVISOR DISTRICT # 3**

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.  
Separate Forms C-104 must be filed for each pool in multiply completed wells.

NO. OF COPIES FILED	
DISTRIBUTION	<input checked="" type="checkbox"/>
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL <input type="checkbox"/> GAS <input type="checkbox"/>
OPERATOR	
PRORATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104  
Effective 1-1-65

Operator  
**MERRION OIL & GAS CORPORATION**

Address  
P.O. Box 1017 Farmington, New Mexico 87401

Reason(s) for filing (Check proper box)  
 New Well  Change in Transporter of:  
 Recompletion  Oil  Dry Gas   
 Change in Ownership  Casinghead Gas  Condensate  Other (Please explain) **Change of operator**

If change of operator give name and address of previous owner **J. Gregory Merrion & Robert L. Bayless P.O. Box 507, Farmington, NM 87401**

**I. DESCRIPTION OF WELL AND LEASE**

Lease Name <b>Hi Roll</b>	Well No. <b>2</b>	Pool Name, including Formation <b>WAW Fruitland/Pic. Cliffs</b>	Kind of Lease State, Federal or Fee <b>Federal</b>	Lease No. <b>NM331</b>
Location Unit Letter <b>K</b> : <b>2000</b> Feet From The <b>South</b> Line and <b>1850</b> Feet From The <b>West</b> Line of Section <b>35</b> Township <b>27N</b> Range <b>13W</b> , NMPM, <b>San Juan</b> C				

**II. 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)
<b>El Paso Natural Gas Company</b>	<b>P.O. Box 990, Farmington, NM 87401</b>
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	<b>yes 06-17-80</b>

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

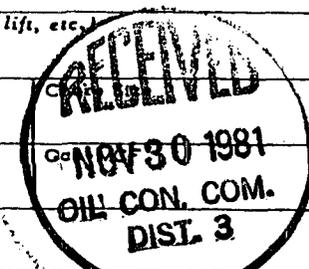
**III. COMPLETION DATA**

Designate Type of Completion - (X)	Oil Well <input type="checkbox"/>	Gas Well <input type="checkbox"/>	New Well <input type="checkbox"/>	Workover <input type="checkbox"/>	Deepen <input type="checkbox"/>	Plug Back <input type="checkbox"/>	Same Res'v. Diff. <input type="checkbox"/>
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			
<b>TUBING, CASING, AND CEMENTING RECORD</b>							
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET		SACKS CEMENT			

**IV. 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 topable for this depth or be for full 24 hours)

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



**GAS WELL**

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

**V. CERTIFICATE OF COMPLIANCE**

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

*J. Gregory Merrion*  
(Signature)  
**J. GREGORY MERRION, PRESIDENT**  
(Title)  
November 16, 1981  
(Date)

OIL CONSERVATION COMMISSION

APPROVED **NOV 30 1981**  
BY *Charles Johnson*  
TITLE **FOR SUPERVISOR DISTRICT # 3**

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deep well, this form must be accompanied by a tabulation of the dev tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for able on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of well name or number, or transporter, or other such change of cond

EL PASO NATURAL GAS COMPANY  
POST OFFICE BOX 990  
FARMINGTON, NEW MEXICO

**CORRECTED COPY**

NOTICE OF GAS CONNECTION

DATE June 25, 1980

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR PURCHASE OF

GAS FROM Merrion & Bayless  
Operator

High Roll #2  
Well Name

93-106-01      25712-01  
Meter Code      Site Code

K      35-27-13  
Well Unit      S-T-R

WAW Fruitland Pictured Cliff  
Pool

El Paso Natural Gas Company  
Name of Purchaser

WAS MADE ON June 17, 1980,  
Date

FIRST DELIVERY June 17, 1980  
Date

AOF -

CHOKE -

**El Paso Natural Gas Company**

Purchaser

*Original signed by W. M. Rogers*

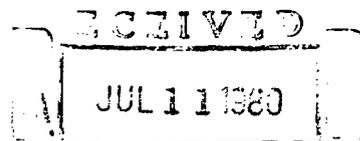
Representative

**Chief Dispatcher**

Title

cc: Operator **Farmington**  
Oil Conservation Commission - 2  
Proration - El Paso

File



OIL CONSERVATION DIVISION  
SANTA FE

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LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRORATION OFFICE	

**NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS**

Firm C-104  
Supersedes Old C-104 and C-11  
Effective 1-1-65

**I. OPERATOR**

Operator: **J. Gregory Merrion & Robert L. Bayless**

Address: **P.O. Box 507, Farmington, NM 87401**

Reason(s) for filing (Check proper box)

New Well	<input type="checkbox"/>	Change in Transporter of:		Other (Please explain)	
Recompletion	<input type="checkbox"/>	Oil	<input type="checkbox"/>	Dry Gas	<input checked="" type="checkbox"/>
Change in Ownership	<input type="checkbox"/>	Casinghead Gas	<input type="checkbox"/>	Condensate	<input type="checkbox"/>

*James S. Bayless*

If change of ownership give name and address of previous owner \_\_\_\_\_

**II. DESCRIPTION OF WELL AND LEASE**

Lease Name <b>Hi Roll</b>	Well No. <b>2</b>	Pool Name, including Formation <b>WAW Fruitland/Pic. Cliffs</b>	Kind of Lease State, Federal or Fee <b>Federal</b>	Lease No. <b>NM-33047</b>
Location Unit Letter <b>K</b> ; <b>2000</b> Feet From The <b>South</b> Line and <b>1850</b> Feet From The <b>West</b>				
Line of Section <b>35</b> Township <b>27N</b> Range <b>13W</b> , NMPM, <b>San Juan</b> 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)			
<b>El Paso Natural Gas Co.</b>	<b>P.O. Box 990, Farmington, NM 87401</b>			
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.
	Is gas actually connected?		When	
	<b>yes</b>		<b>06-29-78</b>	

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, CR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations							Depth Casing Shoe	
<b>TUBING, CASING, AND CEMENTING RECORD</b>								
HOLE SIZE	CASING SIZE		TUBING SIZE			DEPTH SET		
						SACKS CEMENT		

**RECEIVED**  
**JUL 8 1980**  
OIL CONSERVATION COMMISSION  
SANTA FE

**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 Tanks	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 (pitot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

**VI. CERTIFICATE OF COMPLIANCE**

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

*Robert L. Bayless*  
\_\_\_\_\_  
(Signature)  
Operator  
\_\_\_\_\_  
(Title)  
06-24-80  
\_\_\_\_\_  
(Date)

**OIL CONSERVATION COMMISSION**

APPROVED **JUN 20 1980**, 19\_\_\_\_  
BY *James S. Bayless*  
TITLE **SUPERVISOR DISTRICT #3**

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.  
Separate Forms C-104 must be filed for each pool in multiply completed wells.

EL PASO NATURAL GAS COMPANY  
POST OFFICE BOX 990  
FARMINGTON, NEW MEXICO

NOTICE OF GAS CONNECTION

DATE June 25, 1980

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR PURCHASE OF

GAS FROM <u>Merrion &amp; Bayless</u>		<u>High Roll #2-<del>AJ</del></u>	
Operator		Well Name	
<u>93-106-01</u>	<u>25712-01</u>	<u>K</u>	<u>35-27-13</u>
Meter Code	Site Code	Well Unit	S-T-R
<u>WAW Fruitland Pictured Cliff</u>		<u>El Paso Natural Gas Company</u>	
Pool		Name of Purchaser	

WAS MADE ON June 17, 1980,  
Date

FIRST DELIVERY June 17, 1980  
Date

AOF -

CHOKE -

RECEIVED  
JUL 01 1980  
OIL CONSERVATION DIVISION  
SANTA FE

El Paso Natural Gas Company  
Purchaser  
[Signature]  
Representative  
Chief Dispatcher  
Title

cc: Operator Farmington  
Oil Conservation Commission - 2  
Proration - El Paso

File

RECEIVED  
JUN 26 1980  
OIL CON. COM.  
DIST. 3

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
J. Gregory Merrion & Robert L. Bayless

3. ADDRESS OF OPERATOR  
P. O. Box 1541, Farmington, NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 2000 FSL & 1850 FWL  
AT TOP PROD. INTERVAL: same  
AT TOTAL DEPTH: same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE  
NM-33047

6. IF INDIAN; ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Hi Roll

9. WELL NO.  
2

10. FIELD OR WILDCAT NAME  
WAW Fruitland Pictured Cliffs

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 35, T27N, R13W

12. COUNTY OR PARISH  
San Juan

13. STATE  
New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
6034' GL

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE

CHANGE ZONES

ABANDON\*

(other) run siphon string

SUBSEQUENT REPORT OF:

**RECEIVED**  
APR 14 1980  
U. S. GEOLOGICAL SURVEY  
FARMINGTON, N. M.

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.)\*

4-04-80 Rig up swabbing unit. Run siphon string to 1280'. Rig up to sell gas.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_

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

SIGNED J. W. Bayless TITLE Operator DATE April 11, 1980

RECEIVED  
APR 16 1980  
Set @ \_\_\_\_\_  
OIL CON. COM.  
DIST. 3

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

ACCEPTED FOR RECORD

APR 17 1980

\*See Instructions on Reverse Side

NMOCC

FARMINGTON DISTRICT  
BY [Signature]

**ROBERT L. BAYLESS**

PETROLEUM CENTER BUILDING

P. O. BOX 1541

FARMINGTON, NEW MEXICO 87401

(505) 325-5093

July 18, 1978

JUL 20 1978  
OIL CONSERVATION COMMISSION

New Mexico Oil Conservation Commission  
1000 Rio Brazos  
Aztec, NM 87410

RE: Pipeline Connection  
Hi Roll #1, #2, #4  
Section 35, T27N, R13W  
San Juan County, NM  
NIPP/WAW Pool

Gentlemen:

Please accept this as notice that the above mentioned wells were first connected and delivered into the Merrion & Bayless gathering system on June 29, 1978. This gathering system delivers into El Paso Natural Gas Company through a master meter.

Please advise if you have other requirements.

Yours truly,

MERRION & BAYLESS

By

  
ROBERT L. BAYLESS

RLB/eh



**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 46-R365.5.

**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. RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
J. Gregory Merrion and Robert L. Bayless

3. ADDRESS OF OPERATOR  
P.O. Box 1541, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
 At surface 2000 FSL and 1850 FWL  
 At top prod. interval reported below same  
 At total depth same

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

5. LEASE DESIGNATION AND SERIAL NO.  
NM 33047  
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME \_\_\_\_\_  
 7. UNIT AGREEMENT NAME \_\_\_\_\_  
 8. FARM OR LEASE NAME  
Hi Roll  
 9. WELL NO.  
2  
 10. FIELD AND POOL, OR WILDCAT  
WAW Fruitland Pic. Cliff  
 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec. 35, T27N, R13W  
 12. COUNTY OR PARISH  
San Juan  
 13. STATE  
N.M.

15. DATE SPUNDED 5/24/78 16. DATE T.D. REACHED 5/26/78 17. DATE COMPL. (Ready to prod.) 5/31/78 18. ELEVATIONS (DF, REB, BT, GR, ETC.)\* 6034 ft. GL 19. ELEV. CASINGHEAD \_\_\_\_\_

20. TOTAL DEPTH, MD & TVD 1340 ft. 21. PLUG, BACK T.D., MD & TVD 1315 ft. 22. IF MULTIPLE COMPL., HOW MANY\* \_\_\_\_\_ 23. INTERVALS DRILLED BY \_\_\_\_\_ ROTARY TOOLS 0-TD CABLE TOOLS \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
1238 ft. - Picture Cliff  
 25. WAS DIRECTIONAL SURVEY MADE  
NO

26. TYPE ELECTRIC AND OTHER LOGS RUN  
IES Induction, Comp. Density  
 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
7"	23 lb./ft.	40 ft.	9-3/4"	6 sacks	
2-7/8"	6.4 lb./ft.	1337 ft.	5"	150 sacks	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

Interval	Size	Number
1239'-42'	.430"	2 PF
1248'-70'	.430"	2 PF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.  
 DEPTH INTERVAL (MD) \_\_\_\_\_ AMOUNT AND KIND OF MATERIAL USED \_\_\_\_\_  
 JUN 05 1978  
 U. S. GEOLOGICAL SURVEY  
 FARMINGTON, N. M.

33.\* PRODUCTION

DATE FIRST PRODUCTION 5/31/78 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Shut in

DATE OF TEST	HOURS TESTED	CHOKES SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5/31/78	1/2	1-1/4"	→		22.5		

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
	18.5 PSIG	→		1080 MCF/day	Trc. fresh	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
vented  
 TEST WITNESSED BY  
Steven S. Dunn

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 Steven S. Dunn TITLE Engineer DATE 06-02-78

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

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special 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. See instructions on Items 22 and 24, and 83, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see Item 35.

**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 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in Item 22, and in Item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in Item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for Items 22 and 24 above.)

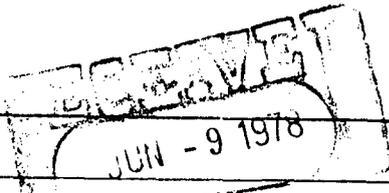
37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	THICKNESS, DEPTH
Ojo Alamo	Under Surface	100 ft.	Fresh Water	Kirtland	100 ft.
Pic. Cliff	1238'	unknown	Gas	Fruitland	760 ft.
				Pic. Cliff	1238 ft.

GEOLOGICAL SURVEY  
DEPARTMENT OF THE INTERIOR  
UNITED STATES

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	GAS
OPERATOR	
PRORATION OFFICE	

**NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS**

Form C-104  
Supersedes Old C-104 and C-105  
Effective 1-1-65



**I. OPERATOR**

Operator: Merrion & Bayless

Address: Box 507, Farmington, NM 87401

Reason(s) for filing (Check proper box)

New Well	<input checked="" type="checkbox"/>	Change in Transporter of:		Other (Please explain)	
Recompletion	<input type="checkbox"/>	Oil	<input type="checkbox"/>	Dry Gas	<input checked="" type="checkbox"/>
Change in Ownership	<input type="checkbox"/>	Casinghead Gas	<input type="checkbox"/>	Condensate	<input type="checkbox"/>

If change of ownership give name and address of previous owner \_\_\_\_\_

**II. DESCRIPTION OF WELL AND LEASE**

Lease Name <u>Hi Roll</u>	Well No. <u>2</u>	Pool Name, Including Formation <u>WAW Picture Cliff</u>	Kind of Lease State, Federal or Fee <u>State</u>	Lease No. <u>NM 3304</u>
Location				
Unit Letter <u>K</u>	<u>2000</u>	Fees From The <u>South</u>	Line and <u>1850</u>	Fees From The <u>West</u>
Line of Section <u>35</u>	Township <u>27N</u>	Range <u>13W</u>	, NMPM, <u>San Juan</u> 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)			
<u>J. Gregory Merrion &amp; Robert L. Bayless</u>				
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.
Is gas actually connected?	No		When As soon as possible	

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.
		X	X					
Date Spudded <u>5/24/78</u>	Date Compl. Ready to Prod. <u>5/31/78</u>	Total Depth <u>1340 ft.</u>		P.B.T.D. <u>1315 ft.</u>				
Elevations (DF, RKB, RT, GR, etc.) <u>6034 ft. G.L.</u>	Name of Producing Formation <u>Picture Cliff</u>	Top Oil/Gas Pay <u>1238 ft.</u>		Tubing Depth <u>NA</u>				
Perforations <u>1239'-42', 1248'-70'</u>						Depth Casing Shoe		
<b>TUBING, CASING, AND CEMENTING RECORD</b>								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
<u>9-3/4"</u>	<u>7"</u>		<u>40 ft.</u>		<u>6 SX</u>			
<u>5"</u>	<u>2-7/8"</u>		<u>1337 ft.</u>		<u>150 SX</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 Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	

**GAS WELL**

Actual Prod. Test-MCF/D <u>1080 MCF/day</u>	Length of Test <u>1/2 hr.</u>	Bbls. Condensate/MMCF <u>-0-</u>	Gravity of Condensate
Testing Method (pitot, back pr.) <u>Back Pressure</u>	Tubing Pressure (Shut-in) <u>None</u>	Casing Pressure (Shut-in) <u>18.5 PSIG</u>	Choke Size <u>1-1/4"</u>

**VI. CERTIFICATE OF COMPLIANCE**

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

[Signature]  
(Signature)  
Engineer  
(Title)  
6-5-78  
(Date)

OIL CONSERVATION COMMISSION  
**JUN 6 1978**

APPROVED \_\_\_\_\_, 19\_\_\_\_  
BY Frank S. Chung  
TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deeper well, this form must be accompanied by a tabulation of the deviate tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for all wells on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of own well name or number, or transporter, or other such change of condition.

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

**SUBMIT IN TRIPLICATE\***  
(Other instructions on reverse side)

Form approved  
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

**NM 33047**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

**Hi Roll**

9. WELL NO.

**2**

10. FIELD AND POOL, OR WILDCAT

**WAW Fruitland Pic. Cliff**

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

**Sec. 35, T27N, R13W**

12. COUNTY OR PARISH

**San Juan**

13. STATE

**N.M.**

**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  
**J. Gregory Merrion and Robert L. Bayless**

3. ADDRESS OF OPERATOR  
**P.O. Box 1541, Farmington, NM 87401**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface  
**2000 FSL and 1850 FWL**

14. PERMIT NO.

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

**6034' GL**

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 COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) **Spud, Drill, Log, Cement, Perf.**

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 pertinent to this work.)\*

05-24-78 Move in L & B Speed Drill. Spud 9-3/4" hole to 41 ft. Set 40 ft. of 7" surface casing with 6 sacks. Drilling 5" hole.

05-25-78 Drilling @ 1000 ft.

05-26-78 TD @ 1340 ft. Rig up Birdwell. Ran IES Induction and Compensated Density Logs. SDON.

05-27-78 Ran 57 joints 2-7/8" EUE 6.4 lb./ft. production string and set @ 1337 ft. G.L., PBTB @ 1315 ft. Rig up Fleet Cementers and cemented with 150 sacks Class "G". Returned 20 sacks est. to surface. WOCT.

05-31-78 Rig up Drake Well Service and McCullough Wireline. Ran sinker bars to TD. Ran Gamma Ray Correlation Log. Swabbed well down and perfed as follows (per Induction Log): 1239-42' w/2 PF 2-1/8" glass jets and 1248-70' w/2 PF 2-1/8" glass jets. Well came in making 1,080 MCF/day after 30 minutes flowing with slight mist of fresh water. Five minute SIP - 220 PSIG. Shut in Waiting pipeline connection.

**RECEIVED**

JUN 05 1978

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

SIGNED *Thomas L. Merrion* TITLE Engineer

U. S. GEOLOGICAL SURVEY  
FARMINGTON, N. M.

06-01-78

(This space for Federal or State office use)

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

DATE

JUN 8 1978

OIL CON. COM.  
DIST. 3

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-045-23033

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  
J. Gregory Merrion and Robert L. Bayless

3. ADDRESS OF OPERATOR  
P.O. Box 1541, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements\*)  
At surface  
2000 FSL and 1850 FWL

At proposed prod. zone  
Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
14 miles south of Farmington

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
1850'

16. NO. OF ACRES IN LEASE  
640

17. NO. OF ACRES ASSIGNED TO THIS WELL  
160

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
2400'

19. PROPOSED DEPTH  
1300'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6034' GL

22. APPROX. DATE WORK WILL START\*  
As soon as possible

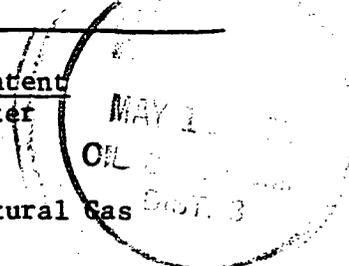
23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
7-7/8"	5-1/2"	15.5#	30 ft.	10 sacks
4-3/4"	2-7/8"	6.4#	1300 ft.	100 sacks

Will drill 7-7/8" hole to 30 ft. and set 30 ft. of 5-1/2", 15.5# casing with 10 sacks cement. Will drill 4-3/4" hole to 1300 ft. and run logs. If appears productive, will run 1300 ft. of 2-7/8", 6.4#, J-55 casing and cement with 100 sacks. Will perforate and stimulate as required. Minimum specifications for pressure control equipment which is to be used - none required. Circulating medium will be clear water and natural mud and water loss control additives. The gas from this formation is not dedicated.

ESTIMATED TOPS:

Formation	Depth	Content
Ojo Alamo	Below Surface Alluvium	Water
Kirtland	156 ft.	
Fruitland	1050 ft.	
Picture Cliff	1256 ft.	Natural Gas



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 Robert L. Bayless TITLE Co-Owner DATE May 3, 1978

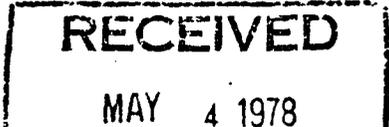
(This space for Federal or State office use)

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

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:  
H. Z. ...  
Held C-104 for NSL

\*See Instructions On Reverse Side



NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-4-65

All distances must be from the outer boundaries of the Section.

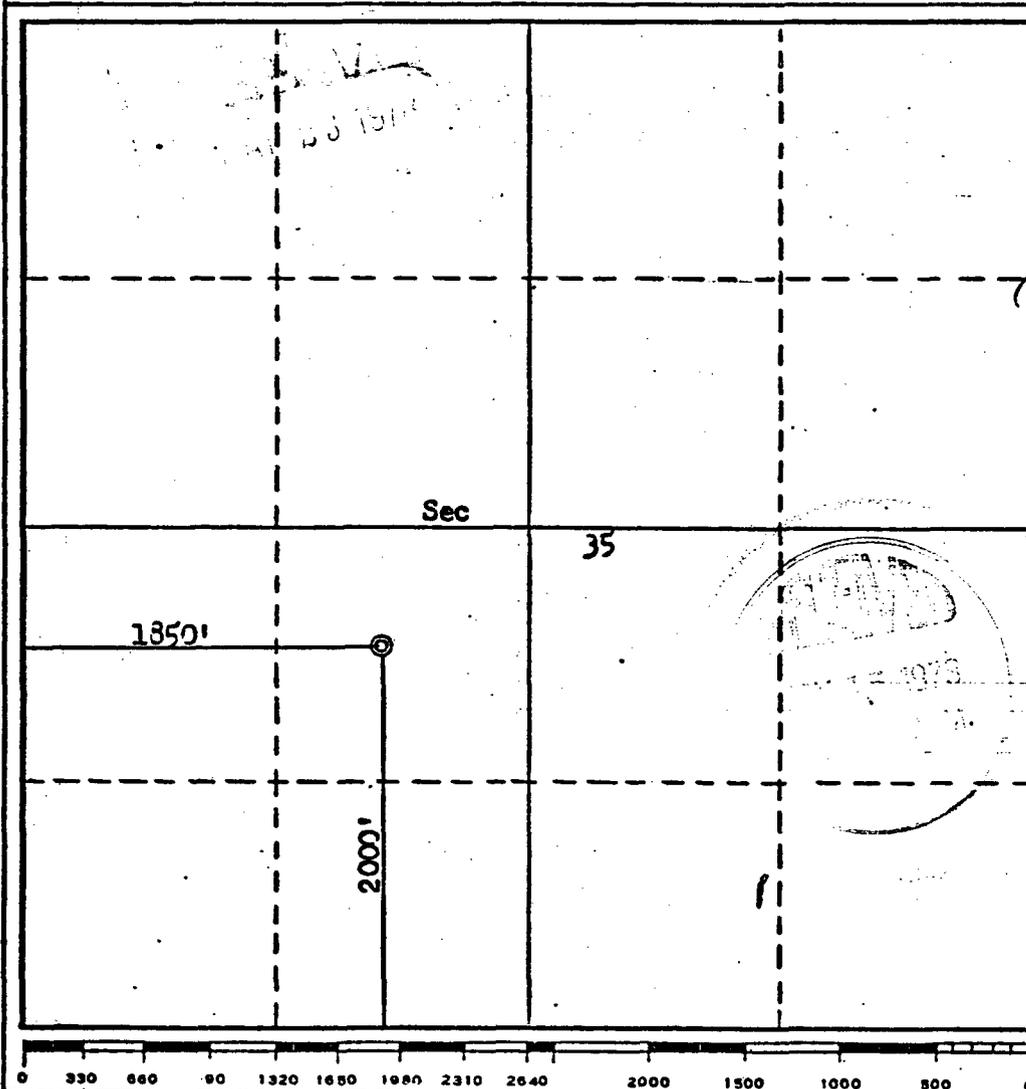
Operator <b>Merrion &amp; Bayless</b>			Lease <b>Hl Roll</b>		Well No. <b>2</b>
Unit Letter <b>K</b>	Section <b>35</b>	Township <b>27N</b>	Range <b>13W</b>	County <b>San Juan</b>	
Actual Footage Location of Well:					
2000 feet from the <b>South</b> line and		1850 feet from the <b>West</b> line			
Ground Level Elev. <b>6034</b>	Producing Formation <b>Pictured Cliffs</b>	Pool <del>with</del> <b>with Fruitland</b> <del>with</del> <b>Pictured Cliffs</b>		Dedicated Acreage <b>160</b>	Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 interests 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 interests, has been approved by the Commission.



CERTIFICATION

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

*Robert L. Bayless*

Name  
Robert L. Bayless

Position  
Co-Owner

Company  
Merrion & Bayless

Date  
April 5, 1978

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  
April 3, 1978

Registered Professional Engineer and/or Land Surveyor  
*Fred B. Kerr Jr.*  
Certification No. 3950

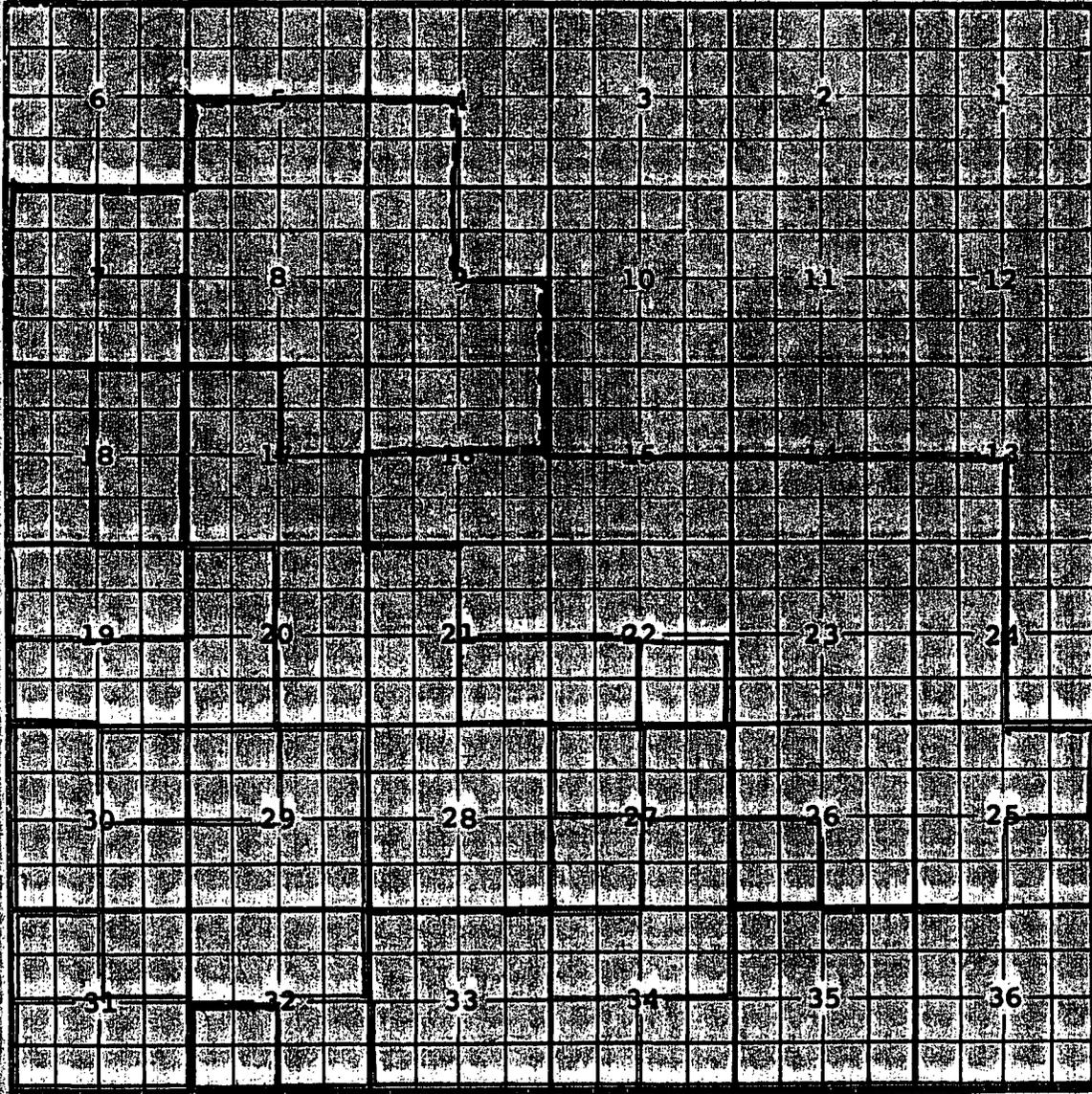
COUNTY San Juan

POOL Waw - Pictured Cliffs

TOWNSHIP 27 North

RANGE 13 West

NMPM



Description:  $\frac{SW}{4}$  Sec 32 (R-4260, 2-1-72) Ext.  $\frac{E}{2}$   $\frac{SW}{4}$  Sec 29,  $\frac{SE}{4}$  Sec 30,  
 $\frac{NE}{4}$  Sec 31,  $\frac{N}{2}$  Sec 32 (R-5129, 1-1-76) Ext.  $\frac{SE}{4}$  Sec 27,  $\frac{NW}{4}$  Sec 29,  
 $\frac{NE}{4}$  Sec 30,  $\frac{NW}{4}$  Sec 31, All Sec 33,  $\frac{SW}{4}$   $\frac{N}{2}$  Sec 34 (R-5339, 2-1-77)  
 Ext.  $\frac{SW}{4}$  Sec 26 (R-5470, 7-1-77) Ext.  $\frac{S}{2}$  Sec 31 and vertical limits  
 extended to include Fruitland formation. Pool redesignated  
 WAW - Fruitland - Pictured Cliffs Pool. (R-5596, 1-1-78)  
 Ext.  $\frac{S}{2}$  Sec 19,  $\frac{W}{2}$  Sec 20,  $\frac{NE}{4}$  Sec 27,  $\frac{SE}{4}$  Sec 32 (R-5772, 7-1-78)  
 Ext.  $\frac{W}{2}$  Sec 18,  $\frac{N}{2}$  Sec 19,  $\frac{SE}{4}$  Sec 25,  $\frac{NW}{4}$  Sec 27,  $\frac{W}{2}$  Sec 30,  $\frac{SE}{4}$  Sec 34,  
 - All Secs 35 & 36 (R-5779, 8-1-78) Ext.  $\frac{SW}{4}$  Sec 27 (R-5843, 12-1-78)  
 Ext.  $\frac{E}{2}$  Sec 18 (R-6180, 11-1-79) Ext.  $\frac{W}{2}$   $\frac{SE}{4}$  Sec 7,  $\frac{W}{2}$   $\frac{SE}{4}$  Sec 17,  
 $\frac{E}{2}$  Sec 20,  $\frac{W}{2}$  Sec 21, All Sec 28 (R-6327, 5-1-80) Ext.  $\frac{SW}{4}$  Sec 4,  
 $\frac{S}{2}$  Sec 5,  $\frac{NE}{4}$  Sec 7, All Sec 8,  $\frac{W}{2}$   $\frac{SE}{4}$  Sec 9,  $\frac{N}{2}$  Sec 16,  $\frac{NE}{4}$  Sec 17  
 (R-6886, 1-22-82) Ext.  $\frac{SE}{4}$  Sec 21,  $\frac{SW}{4}$  Sec 22 (R-7277, 5-5-83)  
 Ext.  $\frac{SE}{4}$  Sec 22 (R-7495, 4-5-84) REDESIGNATED (R-8769, 10-1-86)

Ext.  $\frac{SW}{4}$  Sec 13,  $\frac{S}{2}$  Sec 14,  $\frac{S}{2}$  Sec 15,  $\frac{S}{2}$  Sec 16,  $\frac{NE}{4}$  Sec 21,  $\frac{N}{2}$  Sec 22, All Sec 23,  
 $\frac{W}{2}$  Sec 24,  $\frac{N}{2}$  and  $\frac{SW}{4}$  Sec 25,  $\frac{N}{2}$  and  $\frac{SE}{4}$  Sec 26 (R-10761, 2-10-87)

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

09/26/00 09:14:09  
OGOMES -TQD4  
PAGE NO: 1

Sec : 35 Twp : 27N Rng : 13W Section Type : NORMAL

D 40.00	C 40.00	B 40.00	A 40.00
Federal owned A	Federal owned	Federal owned A	Federal owned
E 40.00	F 40.00	G 40.00	H 40.00
Federal owned	Federal owned	Federal owned	Federal owned

PF01 HELP    PF02            PF03 EXIT    PF04 GoTo    PF05            PF06  
PF07 BKWD    PF08 FWD        PF09 PRINT   PF10 SDIV     PF11            PF12

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

09/26/00 09:14:15  
OGOMES -TQD4  
PAGE NO: 2

Sec : 35 Twp : 27N Rng : 13W Section Type : NORMAL

L 40.00  Federal owned	K 40.00  Federal owned  A	J 40.00  Federal owned	I 40.00  Federal owned
M 40.00  Federal owned	N 40.00  Federal owned	O 40.00  Federal owned  A A	P 40.00  Federal owned

PF01 HELP    PF02            PF03 EXIT    PF04 GoTo    PF05            PF06  
PF07 BKWD   PF08 FWD      PF09 PRINT   PF10 SDIV     PF11            PF12

CMD :  
OG6IWCM

ONGARD  
INQUIRE WELL COMPLETIONS

09/26/00 09:14:34  
OGOMES -TQD4

API Well No : 30 45 23033 Eff Date : 07-01-1978 WC Status : A  
Pool Idn : 87190 WAW FRUITLAND SAND PC (GAS)  
OGRID Idn : 14634 MERRION OIL & GAS CORP  
Prop Idn : 7804 HI ROLL

Well No : 002  
GL Elevation: 6034

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
B.H. Locn	: K	35	27N	13W	FTG 2000 F S	FTG 1850 F W	P

Lot Identifier:

Dedicated Acre: 160.00

Lease Type : F

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC