

UNITED STATES
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 re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

5. Lease Serial No.
NMNM-013860A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
Federal 31-24 # 2

9. API Well No.
30-045-28058

10. Field and Pool, or Exploratory Area

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

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

2. Name of Operator
Richardson Operating Company

3a. Address **1700 Lincoln St., Ste. 1700
Denver, CO 80203** 3b. Phone No. (include area code)
(303) 830-8000

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**1500' FSL, 1090' FWL
L Sec. 24, T-28-N, R-8-W**

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input checked="" type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The above gas well was reactivated on May 13, 1997.
A gas analysis was performed on May 8, 1997, prior
to activation (see copy of report attached.)

RECEIVED
MAY 27 1997
OIL CON. DIV.
DIST. 3

RECEIVED
BLM
97 MAY 21 AM 11:33
070 FARMINGTON, NM

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Jill A. Davis

Title

Assistant - Land Division

Signature

Jill Davis

Date

5-19-97

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

ACCEPTED

Date

RECORD

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

MAY 22 1997

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 DISTRICT OFFICE
Sam

CQM, INC.
1427 W AZTEC BLVD #3 AZTEC.NM. 87410
505-333-2003

Source: WELL HEAD	Report Date: 05/08/1997
Station #: 92881-01	Sample Date: 5-8-97
Station Name: FEDERAL 31-24 #2	Flowing Pressure: 280 psig
Field: FRUITLAND COAL	Flowing Temp.: 55 F

Method: c:\ezchrom\methods\cqmdry.met
File: c:\ezchrom\chrom\RPCO3122.2

Gas Analysis by Chromatograph

Name	Mole %	BTU	SG	GPM
Nitrogen	0.666	0.000	0.006	
Methane	89.575	906.800	0.496	
CO2	0.190	0.000	0.003	
Ethane	5.074	89.997	0.053	1.357
Propane	2.768	69.807	0.042	0.763
I-Butane	0.543	17.699	0.011	0.178
N-Butane	0.697	22.791	0.014	0.220
I-Pentane	0.226	9.063	0.006	0.083
N-Pentane	0.154	6.188	0.004	0.056
Hexanes	0.092	4.386	0.003	0.038
Heptanes	0.012	0.662	0.000	0.006
Octanes	0.003	0.210	0.000	0.002

Ideal Total	100.000	1127.603	0.638	2.701
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Gross BTU/Real Cu. Ft. (@ 60 deg F, 14.730)	Gasoline Content
Dry = 1130.648	Propane GPM = 0.178
Sat. = 1112.237	Butane GPM = 0.302
Actual = 1130.648	Gasoline GPM = 0.101
(0.000 lbs. water/MMCF)	26# Gasoline GPM = 0.184
	Total GPM = 0.581

Real Specific Gravity Calculated = 0.6394
On-Site Specific Gravity = 0.0000

Gas Compressability = 0.9973

Remarks: _____