

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

R & G Drilling Company C/O KM Production Company

3. Address and Telephone No.

P.O. Box 2406, Farmington, N.M. 87499 (505)325-6900

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

790' FSL & 1850' FEL Sec. 32, T28N, R11W

5. Lease Designation and Serial No.  
SF-078863

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Krause #22

9. API Well No.

30-045-0696800

10. Field and Pool, or Exploratory Area

Kutz PC West

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 Plugging back from PC,  
Recomplete in Fruitland Coal
- ☐ 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.)

As per attached procedure.

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

RECEIVED  
BLM  
92 AUG -6 PM 1:09  
019 FARMINGTON, N.M.

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

Signed Kevin H. McCard Title Petroleum Engineer Date 8-4-92

(This space for Federal or State office use)

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

Title \_\_\_\_\_

**APPROVED**

AUG 12 1992

AREA 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.

\*See Instruction on Reverse Side

NMOCD

FRUITLAND COAL  
RE-COMPLETION PROGNOSIS  
R & G DRILLING CO.  
KRAUSE #22  
SWSE SEC 32, T28N R11W  
SAN JUAN COUNTY, NEW MEXICO

EXISTING TUBULARS

CASING: 5-1/2" 14.0 #/FT K-55 SET @ 1925'  
TUBING: 1-1/4" 2.4 #/FT J-55 SET @ 1720'

EXISTING PERFORATIONS

PICTURED CLIFFS: 1838 - 1853 @ 2SPF

PROCEDURE  
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- 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 1-1/4" TUBING OUT OF HOLE. TALLEY TUBING.
- 5 . RIG UP WIRELINE. RUN GAMMA RAY-CLL FROM PBTD TO 1500' FOR CORRELATION. SET CIBP AT 1836'.
- 6 . PICK UP 2-7/8" 6.5 #/FT N-80 TUBING FOR WORK STRING. TAG CIBP WITH TUBING AT 1836' FOR DEPTH CORRELATION. MOVE TUBING TO 1834'. (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:

1785 - 1790	5 FT	20 HOLES
1795 - 1805	10 FT	40 HOLES
1829 - 1834	5 FT	20 HOLES
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TOTAL	20 FT	80 HOLES

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

(NOTE: LOOK CAREFULLY AT GR LOG FOR PC PERFS. LOWEST FRUITLAND PERFORATIONS MAY BE ADDED OR DROPPED AFTER GR LOG ANALYSIS)

- 10 . TRIP IN HOLE WITH INFLATABLE PACKER ON 2-7/8" TUBING. SET PACKER AT 1815'.

- 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 +/- 1700'.
- 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
  - 475 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 1-1/4" 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 +/- 1800'. NIPPLE DOWN BOP AND NIPPLE UP WELLHEAD.
- 19 . SWAB WELL IN IF NECESSARY. FLOW WELL TO CLEANUP FOR ADF.