

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 deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

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

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 #18

9. API Well No.

30-045-07234

10. Field and Pool, or Exploratory Area

Kutz Pictured Cliffs

11. County or Parish, State

San Juan, NM

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)

790' FNL & 790' FEL Sec. 29, T28N, 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 Recompletion in Fruitland Coal
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ 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
BLM

92 SEP 30 AM 11:25

018 FARMINGTON, N.M.

RECEIVED
OCT 02 1992
OIL CON. D.
DIST. 3

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

Signed Kevin H. McLeod Title Petroleum Engineer

Date 9-29-92

(This space for Federal or State office use)

Approved by _____ Title _____
Conditions of approval, if any: _____

APPROVED

Date OCT 01 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

FRUITLAND COAL
RE-COMPLETION PROGNOSIS
R & G DRILLING CO.
KRAUSE #18
NENE SEC 29, T28N R11W
SAN JUAN COUNTY, NEW MEXICO

EXISTING TUBULARS

CASING: 5-1/2" 14.0 #/FT K-55 SET @ 1830'
TUBING: ?

EXISTING PERFORATIONS

PICTURED CLIFFS: 1640 - 1645 @ 2SPF
PICTURED CLIFFS: 1649 - 1654 @ 2SPF
PICTURED CLIFFS: 1724 - 1729 @ 2SPF
PICTURED CLIFFS: 1732 - 1737 @ 2SPF
BRIDGEPLUG SET @ 1700'

PROCEDURE
=====

- 1 . MOVE IN AND RIG UP COMPLETION UNIT. SET ANCHORS.
- 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 2" TUBING OUT OF HOLE. LAYDOWN ON FLOAT.
- 4 . RIG UP WIRELINE. RUN GAMMA RAY-CLL FROM PBTD TO 1400' FOR CORRELATION. SET CIBP AT 1638'.
- 5 . PICK UP 2-7/8" 6.5 #/FT N-80 TUBING FOR WORK STRING. TAG CIBP WITH TUBING AT 1638' FOR DEPTH CORRELATION. MOVE TUBING TO 1633'. (BOTTOM FRUITLAND COAL PERFORATION).
- 6 . 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.
- 7 . TRIP TUBING OUT OF HOLE.
- 8 . RIG UP WIRELINE. PERFORATE THE FRUITLAND COAL INTERVAL WITH .50" HOLES AT 4 JSPF USING A 4" CASING GUN AS FOLLOWS:

1563 - 1566	3 FT	12 HOLES
1595 - 1604	9 FT	36 HOLES
1628 - 1633	5 FT	20 HOLES

TOTAL	17 FT	68 HOLES

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

- 9 . TRIP IN HOLE WITH INFLATABLE PACKER ON 2-7/8" TUBING. SET PACKER AT 1615'.

- 10 . 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.
- 11 . MOVE TUBING AND PACKER TO 1580'. BREAKDOWN UPPER FRUITLAND COAL PERFORATIONS DOWN THE ANNULUS. RECORD ALL RATES AND PRESSURES.
- 12 . MOVE TUBING AND PACKER UPHOLE AND SET AT +/- 1480'.
- 13 . FRACTURE STIMULATE ENTIRE FRUITLAND COAL INTERVAL THROUGH 2-7/8" TUBING WITH 54,000 GALLONS OF 70 QUALITY NITROGEN FOAM (FLUID IS 20# GUAR GEL) CONTAINING 5,000# 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
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
FLUSH WITH 70 QUALITY FOAM TO TOP PERFORATION

DESIRED RATE: 20 BPM
EXPECTED TREATING PRESSURE: 2400-2900 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 . PICK UP 2-3/8" TUBING AND RUN IN HOLE WITH A NOTCHED COLLAR ON THE END AND A SEATING NIPPLE 1 JOINT UP. CLEAN OUT SAND AS NECESSARY.
- 18 . LAND TUBING AT +/- 1600'. NIPPLE DOWN BOP AND NIPPLE UP WELLHEAD.
- 19 . SWAB WELL IN IF NECESSARY. FLOW WELL TO CLEANUP FOR AOF.

Subm't 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 1-1-89

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 R & G Drilling Co. C/O KM Production Co.			Lease Krause		Well No. 18
Unit Letter A	Section 29	Township 28N	Range 11W	County San Juan	
Actual Footage Location of Well: 790 feet from the North line and 790 feet from the East line					
Ground level Elev. 5915'	Producing Formation Fruitland Coal		Pool Basin Fruitland Coal		Dedicated Acreage: 320 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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.

RECEIVED
OCT 02 1992
OIL CON. DIV.
DST. 3

OPERATOR CERTIFICATION

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

Signature *Kevin H. McCord*
Printed Name Kevin H. McCord
Position Petroleum Engineer
Company KM Production Company
Date 9-28-92

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.

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0