

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.

PO Box 2406, Farmington, NM 87499 (505)325-6900

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

1850' FSL & 1755' FWL

Sec 28, 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 #11-A

9. API Well No.

30-045-23198

10. Field and Pool, or Exploratory Area

Kutz Farmington

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 Recompletion 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 procedures.

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

RECEIVED
BLM
92 SEP 30 AM 11:23
019 FARMINGTON, N.M.

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

Signed Kevin H. McCord Title Petroleum Engineer

Date 9-29-92

(This space for Federal or State office use)

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

APPROVED

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.

c-114 To Plug the #1 well
*See instruction on Reverse Side
NMOC

FRUITLAND COAL
RE-COMPLETION PROGNOSIS
R & G DRILLING CO.
KRAUSE #11-A
NESW SEC 28, T28N R11W
SAN JUAN COUNTY, NEW MEXICO

EXISTING TUBULARS

CASING: 4-1/2" 10.5 #/FT K-55 SET @ 1751'
TUBING: 1-1/4" 2.4 #/FT J-55 SET @ 858'

EXISTING PERFORATIONS (NOW OPEN)

FARMINGTON SAND: 866 - 874 @ 2SPF

EXISTING PERFORATIONS (SQUEEZED)

FARMINGTON SAND: 856 - 862 @ 2SPF
FARMINGTON SAND: 890 - 900 @ 2SPF
FARMINGTON SAND: 916 - 920 @ 2SPF
FARMINGTON SAND: 936 - 942 @ 2SPF

EXISTING CEMENT RETAINER AT 885'

PROCEDURE
=====

- 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 AND VALVES IF NECESSARY.
- 4 . TRIP 1-1/4" TUBING OUT OF HOLE. LAYDOWN TUBING ON FLOAT.
- 5 . PICK UP 4 1/2" RETRIEVABLE PACKER AND 2-3/8" 4.7 #/FT J-55 TUBING. SET PACKER ABOVE AND BELOW EXISTING FARMINGTON SAND PERFORATIONS AT 866' - 874' AND PRESSURE TEST 4 1/2" CASING TO 2500 PSI.
- 6 . MOVE PACKER TO +/- 500'. RIG UP CEMENTERS. SQUEEZE CEMENT EXISTING FARMINGTON SAND PERFORATIONS (866' - 874') WITH 100 SACKS OF CLASS B CEMENT WITH 3% CaCl₂. SQUEEZE PERFORATIONS TO 2000 PSI. REVERSE CIRCULATE ANY EXCESS CEMENT. WAIT ON CEMENT TO SET.
- 7 . TRIP TUBING AND PACKER OUT OF HOLE. TRIP IN HOLE WITH 3 7/8" BIT AND CASING SCRAPER ON TUBING. DRILL CEMENT REMAINING IN CASING. PRESSURE TEST CASING TO 2500 PSI. RESQUEEZE IF NECESSARY.
- 8 . DRILL CEMENT RETAINER AT 885' AND CLEAR BOTTOM FARMINGTON SAND PERFORATION AT 942'. PRESSURE TEST CASING TO 2500 PSI. RESQUEEZE IF NECESSARY.
- 9 . MOVE TUBING TO PBTD OF 1708'. CIRCULATE HOLE CLEAN WITH FRESH WATER. MOVE TUBING TO 1695'. SPOT 250 GALLONS OF 7 1/2% DI HCL ACID ACROSS PERFORATION INTERVAL. TRIP TUBING OUT OF HOLE.

- 10 . RIG UP WIRELINE. RUN GAMMA RAY-CLL FROM PBTD TO 800' FOR CORRELATION. PERFORATE THE FRUITLAND COAL INTERVAL WITH .40" HOLES AT 4 JSPF USING A 3 1/8" CASING GUN AS FOLLOWS:

1643 - 1646	3 FT	12 HOLES
1660 - 1668	8 FT	32 HOLES
1684 - 1692	8 FT	32 HOLES
1694 - 1695	1 FT	4 HOLES

TOTAL	20 FT	80 HOLES
-------	-------	----------

- 11 . PICK UP RETRIEVABLE PACKER ON TUBING. SET PACKER AT +/- 1550'.
- 12 . RIG UP PUMP TRUCK. BREAKDOWN FRUITLAND COAL PERFORATIONS DOWN THE TUBING. ESTABLISH AN INJECTION RATE AND PRESSURE. ACIDIZE THIS INTERVAL WITH 500 GALLONS OF 7 1/2% DI HCL ACID CONTAINING 114 7/8" RCN BALL SEALERS. ATTEMPT TO BALLOFF CASING TO 2500 PSI.
- 13 . MOVE TUBING AND PACKER TO PBTD TO KNOCK BALLSEALERS OFF PERFORATIONS. TRIP TUBING AND PACKER OUT OF HOLE.
- 14 . FRACTURE STIMULATE THE FRUITLAND COAL INTERVAL DOWN 4 1/2" CASING 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: 1200 TO 1700 PSI

(NOTE: ALL WATER TO CONTAIN 1% KCL AND 1/2 GAL/1000 CLAY STABILIZATION AGENT)

- 15 . SHUT WELL IN LONG ENOUGH TO OBSERVE FRACTURE CLOSURE PRESSURE.
- 16 . FLOW WELL BACK TO THE ATMOSPHERE THROUGH A 1/2" TAPPED BULLPLUG UNTIL THE WELL CLEANS UP OR DIES.
- 17 . TRIP THE 2-3/8" 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 +/- 1680'. NIPPLE DOWN BOP AND NIPPLE UP WELLHEAD.
- 19 . SWAB WELL IN IF NECESSARY. FLOW WELL TO CLEANUP FOR AOF.

Submit 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 Company C/O KM Production Co.			Lease Krause		Well No 11A
Unit Letter K	Section 28	Township 28N	Range 11W	County NMPM	San Juan
Actual Footage Location of Well: 1850 feet from the South line and 1755 feet from the West line					
Ground level Elev. 5794	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.
DIST. 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