

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 <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. SF-078863
2. Name of Operator R & G Drilling Company C/O KM Production Company	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. PO Box 2406, Farmington, NM 87499 (505)325-6900	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 950' FNL & 1025' FWL <i>Sec. 28, T28N, R11W</i>	8. Well Name and No. Krause #19
	9. API Well No. 30-045-07224
	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	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input checked="" 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 <u>Recompletion in Fruitland Coal</u>
	<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 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 11:24
019 FARMINGTON, N.M.

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 _____ Date _____

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.

*See instruction on Reverse Side
NMOCD

FRUITLAND COAL
RE-COMPLETION PROGNOSIS
R & G DRILLING CO.
KRAUSE #19
NWNW SEC 28, T28N R11W
SAN JUAN COUNTY, NEW MEXICO

EXISTING TUBULARS

CASING: 5-1/2" 14.0 #/FT K-55 SET @ 1829'
TUBING: ?

EXISTING PERFORATIONS

PICTURED CLIFFS: 1805 - 1810 @ 3SPF
PICTURED CLIFFS: 1814 - 1821 @ 3SPF

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 1500' FOR CORRELATION. SET CIBP AT 1802'.
- 5 . PICK UP 2-7/8" 6.5 #/FT N-80 TUBING FOR WORK STRING. TAG CIBP WITH TUBING AT 1802' FOR DEPTH CORRELATION. MOVE TUBING TO 1797'. (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:

1762 - 1766	4 FT	16 HOLES
1768 - 1770	2 FT	8 HOLES
1786 - 1792	6 FT	24 HOLES
1795 - 1797	2 FT	8 HOLES

TOTAL	14 FT	56 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 1778'.
- 10 . RIG UP PUMP TRUCK. BREAKDOWN UPPER FRUITLAND COAL PERFORATIONS DOWN THE ANNULUS AND BASAL FRUITLAND COAL PERFORATIONS DOWN THE

- 11 . MOVE TUBING AND PACKER UPHOLE AND SET AT +/- 1680'.
- 12 . 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)
- 13 . SHUT WELL IN LONG ENOUGH TO OBSERVE FRACTURE CLOSURE PRESSURE.
- 14 . FLOW WELL BACK TO THE ATMOSPHERE THROUGH A 1/2" TAPPED BULLPLUG UNTIL THE WELL CLEANS UP OR DIES.
- 15 . RELEASE PACKER AND TRIP 2-7/8" TUBING OUT OF HOLE, LAYING DOWN THE WORK STRING.
- 16 . 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.
- 17 . LAND TUBING AT +/- 1770'. NIPPLE DOWN BOP AND NIPPLE UP WELLHEAD.
- 18 . 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 19
Unit Letter D	Section 28N	Township 28N	Range 11W	County San Juan	NMPM

Actual Footage Location of Well:

950	feet from the	North	line and	1025	feet from the	West	line
Ground level Elev. 6064.	Producing Formation Fruitland Coal		Pool Basin Fruitland Coal		Dedicated Acreage: 320		Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 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.

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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