

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 NM 87499 (505)325-6900

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

865' FSL & 1710' FWL Sec. 27, T28N, R11W

5. Lease Designation and Serial No.

SF- 078673

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Schlosser #24

9. API Well No.

30-045-07108

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal

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.)*

See attached morning report.

RECEIVED
MAY 24 1994
OIL CON. DIV.
DEPT. OF THE INTERIOR

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

Signed

[Signature]

Title Petroleum Engineer

Date 5/18/94

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title DEPUTY OIL & GAS INSPECTOR, DIST. #3

Date MAY 24 1994

MAY 20 1994

NIMOOD

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

R&G DRILLING COMPANY

SCHLOSSER #24

865 FSL & 1710 FWL
SESW, SECTION 27, T28N R11W
SAN JUAN COUNTY, NEW MEXICO

FRUITLAND COAL RECOMPLETION

5-5-94 Move in and rig up Polanco Brothers service unit. Nipple down wellhead and nipple up BOP. Trip 45 joints of 1 1/4" tubing and 5 joints of 1" tubing out of hole, laying down. Shutdown for the night.

5-6-94 Opened casing and bradenhead valves. Well flowing water out of both valves, indicating a hole in the casing. Rig up Blue Jet wireline. Ran GR-CLL-CNL log from TD of 1667 ft RKB to surface. Set cast iron bridge plug at 1564 ft RKB (Pictured Cliffs perms from 1565 to 1595 ft). Picked up 5 1/2" Mountain States Oil Tools fullbore packer and 2 7/8" 6.5 #/ft N80 EUE tubing. Tagged CIBP at 1566 ft RKB (1.84 ft correction for tubing to log depth). Moved packer to 1541 ft RKB and set. Rigged up Cementers Inc pump truck. Pressure tested the bridge plug to 1000 psi. Held OK. Moved tubing and packer as follows to locate hole in casing.

<u>Setting</u>	<u>Depth</u>	<u>Tubing</u>	<u>Annulus</u>
1	1541	PT to 1000 psi	Flowed water
2	913	PT to 1000 psi	Flowed water
3	292	Flowed water	PT to 1000 psi
4	416	No water flow	Flowed water
5	354	Flowed water	PT to 1000 psi
6	385	Flowed water	PT to 1000 psi
7	416	PT to 1000 psi	Flowed water

Hole in casing is isolated between 385 and 416 ft RKB. Moved packer to 73 ft RKB. Established flowrate into hole in casing of 3.0 BPM at 250 psi. Circulated fluid to the surface through the bradenhead valve. Cemented well with 287 sx of Class B cement with 2% CaCl. Did not get cement returned to surface, but water flow stopped. Shut in well. Shut down overnight to allow cement to set.

5-7-94 Trip tubing and packer out of hole. Trip in hole with bit, casing scraper, and tubing. Tag cement in casing at 160 ft. Drill 180 feet of hard cement. Shut down for the night.

5-8-94 Drill 80 more feet of cement and fell through. Trip tubing to bridge plug at 1564 ft RKB. Pressure tested squeeze cement job to 1000 psi, held OK. Shut down for the night.

5-9-94

Rigged up the Western Company pump truck. Pressure tested casing to 1000 psi, lost 200 psi in 5 minutes. Trip tubing, casing scraper, and bit out of hole. Rigged up Blue Jet wireline. Perforated entire Fruitland Coal interval with 0.50" holes at 4 JSPF using 4" casing gun as follows:

1448 - 1452	4 ft	16 holes
1484 - 1488	4 ft	16 holes
1525 - 1535	10 ft	40 holes
<u>1548 - 1558</u>	<u>10 ft</u>	<u>40 holes</u>
Total	28 ft	112 holes

Picked up 5 1/2" Mountain States Oil Tools fullbore packer and 2 7/8" 6.5 #/ft N80 EUE tubing and set at 1540 ft RKB. Broke down lower Fruitland Coal interval at 600 psi. Established injection rate into the perforations down tubing of 3.0 BPM at 600 psi, ISIP was 350 psi (FG=.67 psi/ft). Broke down middle and upper Fruitland Coal intervals down the annulus at 600 psi. Established injection rate into perforations down the annulus of 3.0 BPM at 850 psi, ISIP was 600 psi (FG=.83 psi/ft). Moved packer to 1508 ft RKB. Tried to breakdown upper Fruitland Coal perforations, but couldn't establish an injection rate into perfs. The pressure would bleed off, but couldn't establish a rate into perfs. Spotted 1 barrel of acid across upper Fruitland Coal perforations. Tried again to establish an injection rate into the upper Fruitland Coal perforations but could not. Moved packer to 1322 ft RKB. Fracture stimulated entire Fruitland Coal interval down the 2 7/8" tubing with 54,000 gallons of 70 quality foam (fluid is 20# linear guar gel) containing 5,000 lbs of 40/70 mesh sand fluid loss additive and 80,000 lbs 20/40 mesh sand proppant as follows:

10,000 gals of 70 quality foam pad	20 BPM @	1650 psi
5,000 gals of 1 ppg 40/70 sand	20 BPM @	1750 psi
5,000 gals of 70 quality foam spacer	20 BPM @	1600 psi
10,000 gals of 1 ppg 20/40 sand	20 BPM @	1750 psi
10,000 gals of 2 ppg 20/40 sand	20 BPM @	1850-2000 psi
8,000 gals of 3 ppg 20/40 sand	20 BPM @	2150 psi
4,000 gals of 4 ppg 20/40 sand	20 BPM @	2200-2000 psi
2,000 gals of 5 ppg 20/40 sand	20 BPM @	2000 psi
400 gals of 70 quality foam flush	20 BPM @	1950 psi

ISIP 1040 psi, 5 min 1000 psi, 10 min 980 psi, 15 min 960 psi. Avg rate 20 BPM, Avg pressure 1900 psi, Max pressure 2300 psi, Min pressure 1600 psi, Avg nitrogen rate 7100 SCFM, Total nitrogen pumped 508,000 SCF, Total fluid to recover 425 Bbls. Shut well in for 3 hours. Flow well to atmosphere through 1/2" tapped bullplug. Well flowing to cleanup.

5-10-94

Well flowing back after frac to cleanup.

5-11-94

Well still flowing very hard this morning. Pumped water down the tubing to kill well and clear tubing and packer of sand. Released packer and tripped 2 7/8" tubing and packer out of hole, laying down tubing on float (had to kill well again during trip out of hole). Picked up 2 3/8" production tubing. Tagged sand fill in well at 1527 ft RKB. Circulated 37 feet of sand from casing cleaning out to bridge plug at 1564 ft RKB.

Moved tubing up hole and landed as follows:

<u>Description</u>	<u>Length</u>	<u>Depth</u>
KB to landing point	5.00	0 - 5
49 jts of 2 3/8" 4.7 #/ft J55 EUE	1512.20	5 - 1517
1 seating nipple	1.10	1517 - 1518
1 jt of 2 3/8" 4.7 #/ft J55 EUE	<u>31.20</u>	1518 - 1550
	1549.50	

Nipple down BOP and nipple up wellhead. Rigged to swab. Made 46 swab runs and recovered approximately 108 barrels of fluid. Annulus pressure built to 90 psi while swabbing. Well started flowing. Left well flowing overnight. Shut down for the night.

5-12-94 Well was flowing steadily this morning. Rigged down completion unit. Released rig.