

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S St Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-045-08274
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Ransom
8. Well Number 1
9. OGRID Number 36845
10. Pool name or Wildcat Basin Fruitland Coal/Blanco PC

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

2. Name of Operator
Roddy Production Company, Inc.

3. Address of Operator
P.O. Box 2221, Farmington, NM 87499

4. Well Location
Unit Letter I : 1850 feet from the S line and 790 feet from the E line
Section 13 Township 29N Range 11W NMPM San Juan County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
5580 GL

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: workover ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Roddy Production Company, Inc. proposes to workover this well, frac the existing Pictured Cliffs zone, isolate the Fruitland Sand, complete the Fruitland Coal. The workover procedure and well bore diagram is attached. No earthen pits will be constructed to perform this work.

A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOCD FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOCD PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.

RCVD JAN 23 '09
OIL CONS. DIV.
DIST. 3

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE R. Griffie TITLE Operations Manager DATE 1/27/09

Type or print name
For State Use Only

E-mail address:

Telephone No.

APPROVED BY: [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE FEB 03 2009
Conditions of Approval (if any): HOLD C104 FOR C102 for Basin F.C.

Ransom #1
Fruitland Coal/Pictured Cliffs Conversion
Workover Procedure

Current Status: Producing from Pictured Cliffs and Fruitland Sand

Casing: 7" set at 1890'

Completion: Pictured Cliffs, open hole nitro shot (1955). Fruitland Sand perforated but not stimulated at 1620', 1625', 1695', and 1700' with 4 jsfp

Tubing: 1 ½", 2.76 ppf, J55, NUE landed at 1915'

(refer to attached well bore diagram)

Strip equipment off location. Notify land owners as per OCD.

1. MIRU pulling unit package with steel pits (no earthen pits).
2. ND well head, NU BOPE.
3. If needed, kill well with 3% KCL water.
4. TOH and lay down 1 ½" tubing. RU air package.
5. PU six 3 1/8" dc's, 2 7/8" tubing, and bit. TIH and clean out to TD of 1935' using air/mist. TOH.
6. Round trip 6 ¼" casing scraper to casing shoe at 1890'.
7. Set retrievable bridge plug at 1800'.
8. Load casing with 2% KCL water.
9. Run CBL to surface. Run open-hole Neutron log from TD to 1200' (to determine coal intervals). Evaluate to determine if additional cement will be required outside of 7" casing.

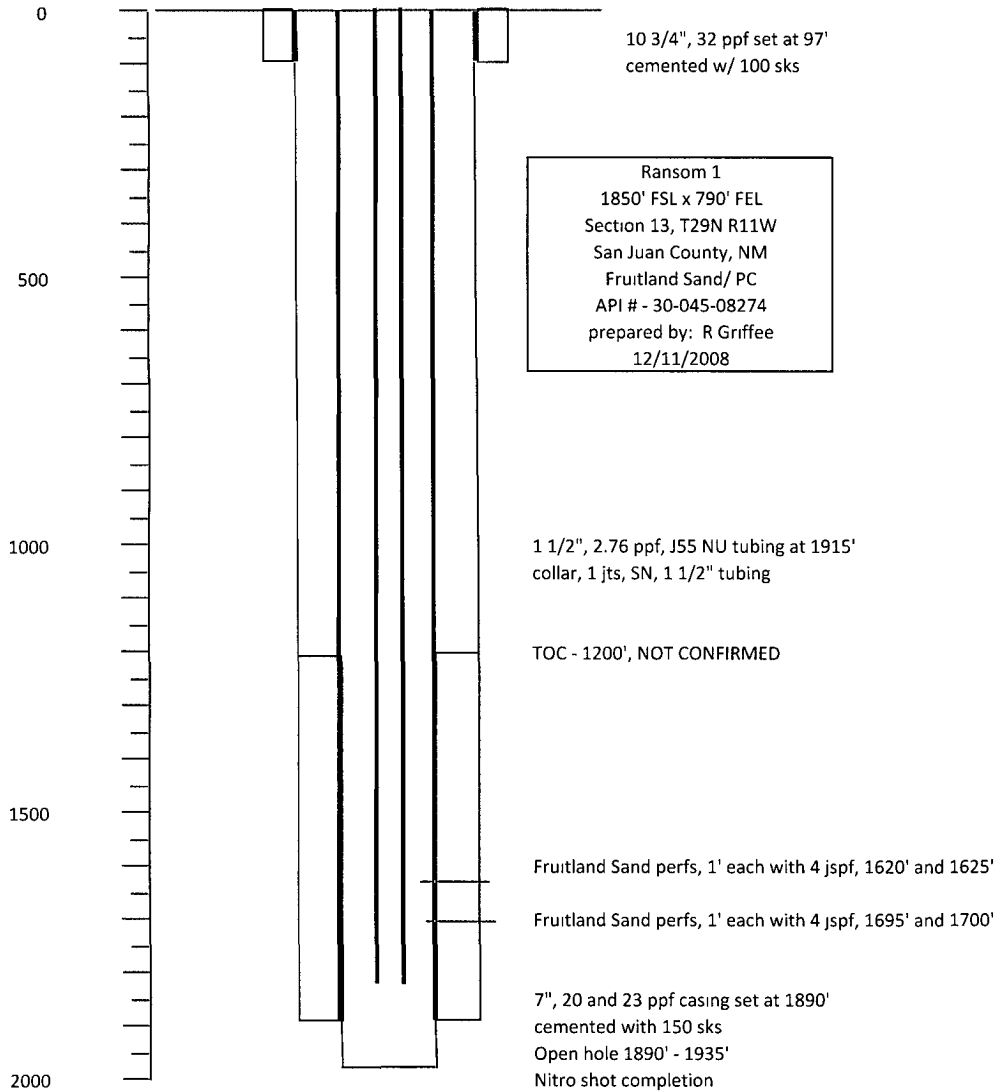
Rig can be released at this point if additional evaluation is required.

10. RU casing crew. Run 4 ½", 10.5 ppf, J55, STC casing.
11. Cement to surface. Cement to surface with Superior. Lead slurry: 45 sks, Type V + 3% Super Sil-SP + 2% CaCl₂ + 0.2% Super FL-200 + 0.25#/sk Super Flake + 0.2% Air-out (11.5 ppg 2.81 cf/sk). Tail slurry: 40 sks, 50/50 Poz Type V + 2 % Bentonite + 3 #/sk Gilsonite + 1% CaCl₂ + 0.25 #/sk Super Flake (13.5 ppg, 1.33 cf/sk).
12. Land casing in full tension.
13. ND BOPE, NU well head.
14. WOC a minimum of 96 hrs.

2 Stage, single day, Completion

15. NU 7 1/16" BOPE.
16. PU bit and 2 3/8" tubing.
17. TIH and clean out to 1910'.
18. Pressure test casing to 1500 psi.
19. TOH.
20. TIH with casing scraper.
21. Spot 250 gals 7 ½% HCL from 1902'. TOH.
22. Perforate Pictured Cliffs 1900' to 1872' [adjust depths based on logs in step 7], 2 jspf. Frac stage 1 as per selected treatment recommendation. [75,000 lbs 20/40 sand in 70Q N2 foam]. Displace with 3% KCL.
23. Set composite frac isolation tool on wireline at ----- (TBD)'.
24. TIH and spot 250 gals 7 ½% HCL from ----(TBD)'.
25. Perforate Fruitland Coal with select fire HSC 322-302 PPF gun. Intervals to be determined from step 7. Frac stage 2 as per selected treatment recommendation. [50,000 lbs 16/30 sand in 70Q N2 foam]
26. Flow back well.
27. Clean out sand and composite frac isolation tool with air/mist. Clean out to TD.
28. Run 2 3/8", 4.7 ppf, J55, EUE tubing with notched collar on bottom, one joint, SN. Land at ---- (TBD)'.
29. Place well on production.

Elevation: GL = 5580'



TD - 1942'

Tops: Pictured Cliffs - 1873', Fruitland Coal - 1708', Fruitland Sand - 1692',
1210' - Ojo Alamo, 600' - Farmington Sand