

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
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
June 19, 2008

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

WELL API NO. 30-045-20945
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. E-3148-7
7. Lease Name or Unit Agreement Name: Burroughs State
8. Well Number 1
9. OGRID Number 162928
10. Pool name or Wildcat Basin Fruitland Coal
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6399' GR

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 <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other
2. Name of Operator ENERGEN RESOURCES CORPORATION
3. Address of Operator 2010 Afton Place, Farmington NM 87401
4. Well Location Unit Letter C : 840 feet from the North line and 1500 feet from the West line Section 36 Township 26N Range 11W NMPM County San Juan
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6399' GR

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 ☐
DOWNHOLE COMMINGLE ☐

OTHER: ☐

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.

Energgen Resources intends to P&A the subject well according to the attached proceeedure.

Notify NMOCD 24 hrs
prior to beginning
operations

RCVD JAN 5 '11
OIL CONS. DIV.
DIST. 3

Spud Date: **11/4/71**

Rig Release Date: **11/14/71**

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

SIGNATURE  TITLE District Engineer DATE 12/16/10

Type or print name Andrew Soto E-mail address: _____ PHONE 505-325-6800

For State Use Only

APPROVED BY Kelly G. Roach TITLE Deputy Oil & Gas Inspector, District #3 DATE FEB 01 2011

Conditions of Approval (if any):




***BURROUGHS STATE LEASE
WELL #1***

**API #: 30-045-20945 / AFE #: SJ11-128 / DP: 44471A
Basin Fruitland Coal Field
San Juan County, New Mexico**

**PLUG & ABANDON PROCEDURE
December 15th, 2010**

A. OBJECTIVE:

1. Plug & Abandon this well in compliance with NMOCD & BLM regulations.
2. Install P&A marker with cement, cut off anchors & restore location.

B. WELL DATA:

DATES: Spud: 11/04/1971 Completed: 11/25/2002

DEPTHS: TD: 6,368' PBTD: 1,860'

ELEVATIONS: GL: 6,410' KB: 6,422' (12' KBM)

PERFORATIONS: 1,592' - 1,600' @ 4 SPF.
Shot a total of 36 holes in the 9 intervals over the 9' of gross interval.

STIMULATION: Sand frac w/ 26,134 gal. of Delta 140 carrying 40,000# of 20/40 sand.

SURFACE CASING: 8 5/8" K-55 24.00# casing set @ 245'.
Cemented in a single stage w/ 140 sacks, the cement was circulated.

PRODUCTION CASING: 4 1/2" K-55 10.50# LT&C casing set @ 6,348'.
Cemented in 3 stages w/ 705 sacks, the TOC is @ 5,087' & 2,971' per estimation of 80 & 75% of cement bonded respectively & 1,035' per TS.
DV Tools @ 4,393' & 1,860'.

PRODUCTION TUBING: 49 joints of 2 3/8" J-55 4.70# tubing, a 2 3/8" SN & 1-2 3/8" mud anchor.
The SN is @ 1,593' & the EOT is landed @ 1,625'.

C. PROCEDURE:

KEEP A TIW VALVE OPEN & ON THE RIG FLOOR @ ALL TIMES.
ALL CEMENT VOLUMES ARE TO BE 100% EXCESS OUTSIDE PIPE AND 50' EXCESS INSIDE.

1. Test location rig anchors. Record casing, tubing and bradenhead pressures.
2. MI & set 1-400 barrel lined frac tanks filled w/ enough FW to satisfy all of the anticipated fluid requirements for this P&A & 1-400 barrel test tank to flow back any fluids & circulated cement during this **CLOSED LOOP OPERATION**.
3. MIRUPU. NU relief line and blow down well. ND wellhead and NU a BOP w/ 2 3/8" & CSO rams. Function test BOP.
4. POOH, inspect & tally w/ 49 joints of 2 3/8" 4.70# J-55 production tubing, a 2 3/8" SN & 1-2 3/8" mud anchor.
5. Unload/rack the necessary amount of tubing to make up 2,600' of 2 3/8" J-55 4.70# EUE 8rd tubing for a workstring.
6. PU & RIH w/ a 3 7/8" mill tooth bit, BS, 6-3 1/8" drill collars, XO & a 2 3/8" SN on the 2 3/8" J-55 tubing down to the CIBP @ 1,860'.
7. Drill out the existing CIBP & Plug #3 from 2,450' to 2,550'. Circulate well clean & then pressure test to 800# for 5 minutes. Release the pressure & POOH/ LD the BHA.
8. PU & round trip w/ 1 joint of 2 3/8" tubing w/ a collared end, a 4 1/2" casing scraper & a 2 3/8" SN to 2500'.
9. RUWL & RIH to perforate 3 HSC holes @ 2,550'. POOH. RDWL.
10. If casing tested, then establish injection rate into squeeze holes.
11. PU & RIH w/ a 4 1/2" cement retainer, an on/off stinger, XO, a 2 3/8" SN on the 2 3/8" J-55 tubing & set the cement retainer @ 2,500'.
12. Mix & pump 51 sxs of Class B cement, 15.6 ppg w/ 1.18 cf/sx yield, squeezing 39 sxs outside casing and leaving 12 sxs inside to cover the Mesaverde top. POOH w/ the tubing.
13. PU & RIH w/ a 4 1/2" CIBP, an on/off tool, a 2 3/8" SN on the 2 3/8" J-55 tubing & set the CIBP @ 1,542'. Pressure test casing to 800 PSI for 5 minutes.
Note: *If the casing does not test, then spot & tag subsequent plugs as appropriate.*
14. Mix, pump & spot 19 sxs of Class B cement, 15.6 ppg w/ 1.18 cf/sx yield, as a balance plug above the cement retainer to cover the Pictured Cliffs & Fruitland interval. POOH the tubing.

C. PROCEDURE CONTINUED:

15. POOH/standing back the remaining joints of 2 3/8" tubing, SN, XO & stinger.
16. RUWL & RIH to perforate 3 HSC holes @ 765'.
17. PU & RIH w/ a 4 1/2" cement retainer, an on/off stinger, XO, a 2 3/8" SN on the 2 3/8" J-55 tubing & set the cement retainer @ 715'.
18. Mix & pump 95 sxs of Class B cement, 15.6 ppg w/ 1.18 cf/sx yield, squeezing 76 sxs outside casing and leaving 19 sxs inside to cover the Kirtland & Ojo Alamo interval. POOH/LD w/ the tubing.
19. RUWL & RIH to perforate 3 squeeze holes at 295'. POOH & RDWL.
20. Establish circulation down the 4 1/2" casing & out the bradenhead valve until returns are clean.
21. Mix & pump approximately 100 sxs of Class B cement, 15.6 ppg w/ 1.18 cf/sx yield, down the 4 1/2" casing to circulate good cement out the bradenhead. Shut in the well & WOC.
22. ND the cementers & the BOP. Cut off wellhead below surface casing flange & install P&A marker with cement to comply with regulations. RDMOPU. Cut off anchors & restore location per BLM stipulations.

D. ATTACHMENTS:

1. Burroughs State #1 Pertinent Well Data Sheet
2. Burroughs State #1 Production Graphs
3. Burroughs State #1 Wellbore Diagrams
4. Burroughs State #1 P&A AFE