

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well
GAS

2. Name of Operator

**BURLINGTON
RESOURCES**

OIL & GAS COMPANY

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

1800' FNL, 1500' FEL, Sec. 20, T-27-N, R-4-W, NMPM

5. Lease Number
SF-080669

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

San Juan 27-4 Unit

8. Well Name & Number
San Juan 27-4 U #13

9. API Well No.
30-039-06992

10. Field and Pool
Tapacito Pict. Cliffs/
Blanco Mesaverde

11. County and State
Rio Arriba Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

Type of Action

☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other -
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut off
☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to plug and abandon the subject well according to the attached procedure.

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

Signed [Signature] (KLM3) Title Regulatory Administrator Date 3/17/99

(This space for Federal or State Office use)

APPROVED BY /S/ Duane W. Spencer Title Team Lead, Petroleum Management Date MAR 25 1999

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOC

PLUG AND ABANDONMENT PROCEDURE

2-24-99

San Juan Unit 27-4 #13

5330601/5330602

Blanco Mesaverde / Tapacito Pictured Cliffs

1800' FNL, 1500' FEL, Sec. 20, T27N, R4W

Rio Arriba County, New Mexico

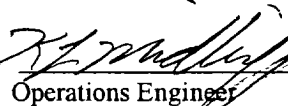
Project Summary: The San Juan 27-4 Unit No. 13 was completed in 1958 as a dual Mesa Verde / Pictured Cliffs producer. In late 1989 the PC production dropped from 60 MCFD to 0 MCFD. Four years later the Mesa Verde production dropped from 200 MCFD to 0 MCFD. I suspect that the casing failed above the packer in 1989, which killed the PC production. In 1993 it is likely that either the packer or the MV tubing failed resulting in the MV being drowned out. Based on our recent work in the San Juan 27-4 Unit No. 13A, I believe that both zones are very likely damaged beyond repair and that the best course of action is to stop any further water migration by plugging this well. We will swab test the Mesa Verde to confirm that it is damaged.

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

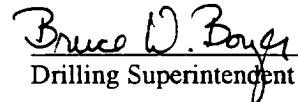
1. Prepare blow pit. Comply to all NMOCD, BLM, and BRO&G safety regulations. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with water as necessary.
2. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line to flow back tank. Blow well down; kill with water as necessary. ND wellhead and NU BOP and stripping head; test BOP.
3. POH with 1-1/4" Pictured Cliffs tubing (3670'). Changeover for 2-3/8" tubing. PU on Mesaverde tubing and release Baker EGJ retrievable packer (see attached information regarding Model EGJ packer). If packer will not release then cut tubing above packer and fish. TOH with 2-3/8" tubing (rubber covered joints from 3612' to 3674'), total tally 5906', LD packer. Inspect 2-3/8" tubing, if necessary LD and pick up workstring. Mesaverde tubing likely has a hole(s). RIH with mill on 2-3/8" tubing to PBTD at 5945', POOH.
4. TIH with 2-3/8" tubing and 5-1/2" Full bore packer (SN and 500' of tail-pipe under packer); set packer at 5300' so that bottom of tail pipe is at 5800'. Rig up swab tools and swab Mesaverde zone to determine gas and water production. Call Operations Engineer for further instructions. If no gas, then plug well as shown below. POOH with tubing and packer.
5. **Plug #1 (Mesaverde perforations and top, 5350' - 5250'):** Set 5-1/2" wireline CIBP at 5350'. TIH with open ended tubing and tag CIBP. Mix 12 sxs Class B cement and spot a balanced plug inside casing above the CIBP to isolate Mesaverde interval. PUH to 3843'.
6. **Plug #2 (7-5/8" Casing Shoe and Pictured Cliffs perforations, 3843' - 3565'):** Mix 63 sxs Class B cement and spot a balanced plug in the 5-1/2" liner and 7-5/8" casing to cover casing shoe and to fill perforations. PUH with tubing to 3000' and WOC. TIH and tag cement. Load casing with water and circulate clean. Pressure test casing to 500#. If casing does not test then spot or tag subsequent plug.
7. **Plug #3 (Fruitland top, 3454' - 3354'):** Mix 34 sxs Class B cement and spot a balanced plug inside casing to cover Fruitland top. PUH to 3241'.

8. **Plug #4 (Kirtland and Ojo Alamo tops, 3241' - 3060'):** Mix 52 sxs Class B cement and spot balanced plug inside casing over Kirtland and Ojo Alamo tops. TOH with tubing.
9. **Plug #5 (Nacimiento top, 2020' - 1920'):** Perforate 3 HSC squeeze holes at 2020'. Establish rate into squeeze holes if casing tested. Set 7-5/8" cement retainer at 1970'. Mix 71 sxs Class B cement, squeeze 37 sxs outside 7-5/8" casing and leave 34 sxs inside to cover Nacimiento top. TOH with tubing. If casing did not pressure test previously, then pressure test again to 500 psi. If pressure test fails then perform pump-around test to estimate casing leak depth.
10. **Plug #5 (10-3/4" casing shoe at 172'):** Perforate 3 HSC squeeze holes at 222'. Establish circulation down 7-5/8" casing and out bradenhead. Mix 106 sxs Class B cement and pump down 7-5/8" casing from 222' to surface, circulate good cement out bradenhead. If a casing leak was identified in Step #9 above 222', then utilize a cement retainer at 172'. Shut in well and WOC.
11. BOP and cut off wellhead below surface casing. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

Recommended:


Operations Engineer
Kevin Midkiff
Office - 326-9807
Pager - 564-1653

Approved:

 3.16.99
Drilling Superintendent