

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

1650' FSL, 720' FEL, Sec. 10, T-28-N, R-10-W, NMPM

5. Lease Number  
SF-080724-A

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Zachry #40

9. API Well No.  
30-045-25469

10. Field and Pool  
Blanco MV/Armenta Gallup

11. County and State  
San Juan 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

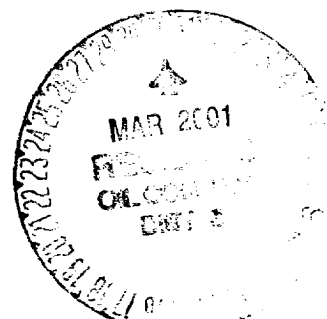
☒ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other -  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut off  
☐ Conversion to Injection

13. Describe Proposed or Completed Operations

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

2001 MAR 22 AM 8:52

Verify OJO Tol, Adjust Plug



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

Signed Regina Calk Title Regulatory Supervisor Date 3/15/01  
TLW

(This space for Federal or State Office use)

APPROVED BY 2 Title \_\_\_\_\_ Date 3/28/01

CONDITION OF APPROVAL, if any:

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.

NMOCD

X

## PLUG AND ABANDONMENT PROCEDURE

### Zachry 40

Armenta Gallup Extension / Blanco Mesaverde  
AIN: 3241001 / 3241002  
1650' FSL & 720' FEL, Section 10, T28N, R10W  
San Juan County, New Mexico  
Latitude / Longitude: 36° 40.45' / 107° 52.53'

**Project Summary:** The Zachry 40 was drilled in 1982. Originally the well was completed in the Gallup formation. Initially the Gallup produced 200 MCFD and 30 BOPD and declined to 40 MCFD and negligible oil production in 1995. The Gallup formation has produced 340 MMCF, 10.9 MBBLS oil and 308 BBLs water. In 1995 a CIBP was set at 5375' and the Gallup was temporarily abandoned and the Mesa Verde zone was completed. The Mesa Verde formation has produced 42 MMCF, 2.6 MBBLS oil and no water. During a commingle procedure in June 2000, excessive sand was noted and bad casing at 25' was found. It is not economical to repair this casing in an attempt to return this well to production. This well is on the BLM demand list to either return to production or P&A. We propose to plug and abandoned the well according to the following procedures.

**Note:** All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type II, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. Install and test rig anchors. Prepare blow pit. Comply with all NMOCD, BLM and Burlington safety rules and regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Blow well down; kill with water as necessary. ND wellhead and NU BOP and stripping head; test BOP.
2. TOH with 196 joints 4.7# J-55 2-3/8" tubing, total 5970', inspect. If necessary LD tubing and PU workstring. Round-trip 5-1/2" gauge ring to 5414' or as deep as possible.
3. **Plug #1 (Gallup perforations and top, 5414' – 5152'):** Set 5-1/2" wireline CIBP or CR at 5414'. TIH with open ended tubing and tag CIBP. Pump 50 bbls water down the tubing. Mix and spot 47 sxs cement inside casing above CIBP to isolate Gallup perforation and cover top. TOH with tubing.
4. **Plug #2 (Mesaverde perforations and top, 3809' – 3475'):** Set 7-5/8" wireline CIBP or CR at 3809'. TIH with open ended tubing and tag CIBP. Load casing with water and circulate clean. Pressure test casing to 500#. If casing does not test, then spot or tag subsequent plugs as appropriate. Mix 87 sxs cement and spot a balanced plug inside casing above CIBP to isolate Mesaverde perforations and cover top. PUH to 2003'.
5. **Plug #3 (Pictured Cliffs top, 2003' – 1903'):** Mix 34 sxs cement and spot balanced plug inside casing to cover the Pictured Cliffs top. PUH to 1730'.
6. **Plug #4 (Fruitland top, 1730' – 1630'):** Mix 34 sxs cement and spot balanced plug inside casing to cover the Fruitland top. PUH to 1000'.
7. **Plug #5 (Kirtland and Ojo Alamo tops, 1000' – 840'):** Mix 47 sxs cement and spot balanced plug inside casing to cover Kirtland and Ojo Alamo tops. PUH with tubing to 367'.  
*785' Ojo @ 835' ISH-*
8. **Plug #6 (10-3/4" Surface casing shoe, 367' – 267'):** Connect to bradenhead valve and pressure test the surface annulus to 300#. If able to pump into, then perforate at 367' and attempt to establish circulation out the bradenhead. If the annulus tests, then establish circulation down the tubing and out the casing valve. Mix 34 sxs cement and spot a balanced plug from 367' to 267' to cover the casing shoe. PUH with tubing to 50'.

9. **Plug #7 (Surface, 50' – Surface):** Establish circulation out casing valve. Mix 12 sxs cement and spot a balanced plug from 50' to surface, circulate out good cement. TOH and LD tubing.
10. ND BOP and cut off wellhead below surface casing flange if cut is less than 4' deep. If cut is more than 4', then cut off flange bolts as appropriate. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

Recommended:

Michetti 3-15-01  
Operations Engineer

Approval:

Bruce W. Boyd 3-15-01  
Drilling Superintendent

Contacts: Operations Engineer

Joe Michetti  
Pager: 564-7187  
Office - 326-9764

Sundry Required: ☒ YES ☐ NO

Approved:

Jeffery Cole 3-15-01

Regulatory Approval

JAM/jms