

State of New Mexico  
Energy, Minerals and Natural Resources Department  
Oil Conservation Division

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 1090' FWL Sec. 32, T-27-N, R-5-W, NMPM, County

API # (assigned by OCD)

30-039-06806

5. Lease Number

6. State Oil & Gas Lease #

E-290-3

7. Lease Name/Unit Name

San Juan 27-5 Unit

8. Well No.

8

9. Pool Name or Wildcat

Mesaverde/Pictured Cli.

10. Elevation:

Type of Submission

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment

Type of Action

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

13. Describe Proposed or Completed Operations

It is intended to mill out the packer, squeeze the pictured cliffs' perfs, and repair the casing on the subject well according to the attached procedure and wellbore diagram.

**RECEIVED**  
JUL 21 1998  
**OIL CON. DIV.**  
DIST. 3

SIGNATURE *[Signature]* (KLM3) Regulatory Administrator July 20, 1998

TLW

(This space for State Use)

Approved by

*Johnny Robinson*

Title

DEPUTY OIL & GAS INSPECTOR, DIST. #3

Date

JUL 21 1998

June 29, 1998

San Juan 27-5 Unit No. 8  
DPNO 53346A / 53346B  
Mesa Verde / Pictured Cliffs  
1650' FSL & 1090' FWL, Sec. 32, T27N R05W  
Latitude / Longitude: 36° 31.6791' / 107° 23.2269'  
Rio Arriba County, NM

**Project Summary:** The San Juan 27-5 Unit No. 8 is a dual Mesa Verde / Pictured Cliffs well drilled in 1954 (as a Mesa Verde only). This well appears to have a casing failure above the packer which likely occurred in 1984. This is evidenced by the fact that the PC side is full to surface with water. The PC was making <20 MCFD prior to the failure and is not worth trying to salvage. We propose to mill out the packer, squeeze the PC perfs, isolate the casing failure and either squeeze the holes or tie back to surface with 4-1/2" casing. We will then produce as a single Mesa Verde well.

1. Install and test location rig anchors. Prepare blow pit. Comply to all NMOCD, BLM, and Burlington regulations. **Notify BROG Regulatory (Peggy Bradfield 326-9727) and the appropriate Regulatory Agency prior to pumping any cement job. If an unplanned cement job is required, approval is required before the job can be pumped. If verbal approval is obtained, document approval in DIMS/WIMS.** Allow as much time as possible prior to pump time in case the Agency decides to witness the cement job.
2. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with 2% KCl water as necessary. ND wellhead and NU BOP. Send wellhead to shop to be modified as a single string (2-3/8") wellhead.
3. POOH with 1-1/4" 2.4# EUE tubing (PC side, set at 3240') laying down (most likely junk). Release seal assembly (no record of type, but most likely Baker Model G-22) with straight pick-up and tally out of hole with 2-3/8" Mesa Verde tubing. There should be 34 joints below the packer and 139 joints above the packer. Visually inspect tubing and replace joints as necessary. If the seal assembly will not release, then chemical cut the tubing above the packer and jar the tubing out of hole.
4. Pick up a rotary shoe, packer retrieval spear (plucker), bumper sub, jars and collars on 2-3/8" tubing. RIH and mill out Baker Model D packer at 4374' using air/mist. **NOTE: When using air/mist, minimum mist rate is 12 bph.** POOH with tools and packer.
5. RIH with a watermelon mill for 7" 23# casing to the top of the 4-1/2" liner at 4587', POOH. RIH with a 7" RBP and set at approximately 4550'. Bail sand on top of RBP. RIH with a cement retainer (cement retainer used because of the probable casing holes above us) on 2-3/8" tubing to 3180' (collars at 3158' and 3198') and set retainer. Establish pump-in rate into PC perforations with water and squeeze with 100 sxs of cement. Displace to retainer, sting out and reverse out to clean up tubulars. POOH with tubing. WOC and pressure test 7" casing to confirm casing leak above PC squeeze.
6. RIH with 6-1/4" bit and drill out retainer and cement. POOH. RIH with packer and RBP retrieving tool. Set packer at 3180' and pressure test PC squeeze to 500 psi and re-squeeze if necessary. Circulate sand off of RBP and release RBP. If the casing above the PC squeeze did not test (from step #5), then pull up and reset RBP at approximately 3180'. POOH with the tubing and bail sand on the RBP.

7. RIH with packer for 7" casing and set above RBP and pressure test the RBP to 500 psi. Isolate casing holes and establish a pump-in rate and pressure. Contact Operations Engineer for a squeeze procedure and squeeze cement the casing holes according to design. WOC, drill out, and pressure test the 7" casing to 500 psi. Re-squeeze if necessary. If the casing is corroded over a long interval, then we will tie back to the Burns liner hanger with 4-1/2" casing and cement the 4-1/2" casing to surface. Contact Baker for tie-back equipment. RIH with RBP retrieving tool. Circulate sand off RBP, release RBP and POOH.
8. RIH with a 3-7/8" bit and a watermelon mill on 2-3/8" tubing and clean out to PBTD (assumed to be 5491' which is the float collar) with air. POOH. **NOTE: When using air/mist, minimum mist rate is 12 bph.**
9. Rabbit tubing in derrick. RIH with 2 3/8" production tubing as follows: Expendable check, one joint tubing, SN and 2 3/8" tubing. Hang tubing at approximately 5400'. Broach all tubing to ensure that plunger will travel. ND BOP, NU well head. Pump off check and blow well in. RDMO PU.
10. Production Operations will install plunger lift.

Recommended:

KL Midkiff 7/14/98  
Operations Engineer

Approval:

Bruce D. Boyer 7-14-98  
Drilling Superintendent

**Contacts:** Operations Engineer

Kevin Midkiff

326-9807 (Office)  
564-1653 (Pager)

Production Foreman

Ward Arnold

326-9846 (Office)  
326-8340 (Pager)

1st Delivered: 11/08/56  
Elevation: 6539' GL  
6549' KB

**Workovers:**

12/54 (During original completion) - Frac OH from 4800'-5000' with 9800 gal oil & 6000# sand, Frac OH from 5253'-5525' with 9757 gal oil and 93000# sand.

9/61 - Ran 4-1/2" csg, perf & frac Mesa Verde, Perf and frac Pictured cliffs. Set Guiberson packer at 4435'.

8/65 - Changed out wellhead and milled out Guiberson packer. Ran Baker Model D and set at 4374'.

## San Juan 27-5 Unit No. 8

**Current: 6/29/98**

DPNO:53346A / 53346B

Mesa Verde/ Pictured Cliffs Dual

1650' FSL, 1090' FWL

Unit L. Sec. 32, T27N, R05W, Rio Arriba County, NM

Lat/Long: 36°31.6791', 107°23.2269'

