

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

950' FSL, 940' FEL, Sec. 15, T-32-N, R-12-W, NMPM, San Juan County

API # (assigned by OCD)

30-045-22858

5. Lease Number

Fee

6. State Oil & Gas Lease #

7. Lease Name/Unit Name

Hubbard

8. Well No.

#4A

9. Pool Name or Wildcat

Blanco Mesaverde

10. Elevation:

Type of Submission

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other - Squeeze Cliffhouse & Menefee formations

☐ Change of Plans

☐ New Construction

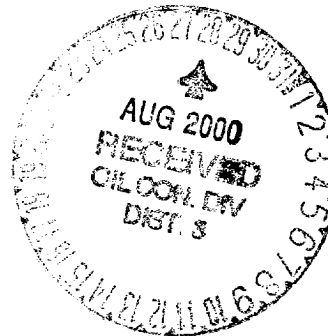
☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to squeeze the Cliffhouse and Menefee formations of the subject well according to the attached procedure.



SIGNATURE

[Signature]

Regulatory Supervisor August 25, 2000

TLW

(This space for State Use)

APPROVED BY **ORIGINAL SIGNED BY CHARLIE T. PERDUE**

Title

DEPUTY OIL & GAS INSPECTOR, DIST. 3

Date

AUG 28 2000

Hubbard #4A
Mesaverde
950' FSL, 940' FEL
Unit P, Section 15, T-32-N, R-12-W
Latitude / Longitude: 36° 58.896' / 108° 4.5942'
DPNO: 2990201


Plug Cliffhouse/Menefee Interval Procedure – CAUTION CLIFFHOUSE PRODUCES H2S

Summary/Recommendation:

Hubbard #4A was drilled in 1978 and completed as a MV producer. The Point Lookout and Cliffhouse intervals were originally completed. In 1995, the bradenhead was repaired, a Menefee payadd was completed, and the Cliffhouse was refraced. The large Cliffhouse stimulation created a highly conductive path for water migration. Hubbard #4A was on the fringe of the wet Cliffhouse waterline. As a result of the stimulation, the well made 25-30 Bwpd after the workover. Wellsite compression was removed in 1999 and the well has not produced since due to high water volumes. During the workover, the Cliffhouse/Menefee will be squeezed, and facilities will be installed. Anticipated uplift is 100 Mcfd.

1. Hold safety meeting. Comply with all NMOCD, BLM and Burlington safety and environmental regulations. Test rig anchors and build blow pit prior to moving in rig. **Notify BROG Regulatory (Peggy Cole 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 workover rig. Obtain and record all wellhead pressures. NU relief line. Blow well down and kill with 2% KCL water if necessary. ND WH and NU BOP with stripping head. Test and record operation of BOP rams. Have wellhead and valves serviced as necessary. Test secondary seal and replace/install as necessary.
3. Mesaverde, 2-3/8", 4.7# tubing is set at 5298'. Release donut, pick up on tubing. TOOH with tubing. Visually inspect tubing for corrosion and replace any bad joints. Check tubing for scale build up and notify Operations Engineer.
4. PU and TIH with 4-1/2" CIBP and packer on the 2-3/8" tubing string. Set CIBP at 4900'. PUH and set packer just above CIBP (closest perforation at 4837'). Pressure test CIBP to 1000 psi. Bleed off pressure and release packer. TOOH.
5. TIH with 4-1/2" cement retainer on 2-3/8" tubing and set at \pm 4200' (Top Cliffhouse perforation at 4300').
6. RU cement company. PU tubing to test position on the retainer. Pressure test tubing to 2500 psi. Set down on tubing to open check and establish an injection rate with water.
7. Squeeze Cliffhouse/Menefee perforations below retainer to 1000 psi with 125 sx of neat Class B cement with 0.3% fluid loss followed by 125 sx of Class B cement with 3 pps gilsonite and 0.3% fluid loss. Displace cement with 15.5 Bbls of water (under displace by 1 Bbl.). Sting out of retainer and spot remaining cement on the cement retainer. TOOH with 2-3/8" tubing and cement retainer stinger. WOC for a minimum of 18 hours.
8. TIH with 3-7/8" bit, 3-1/8" drill collars (if necessary) and 2-3/8" tubing. Drill out retainer and cement. Pressure test squeeze to 500 psi for 15 minutes. If test is not successful, note leak off rate and contact Operations Engineer.
9. CO to CIBP set at 4900'. Drill CIBP and push to bottom, cleaning out with air/mist. **NOTE: When using air/mist, minimum mist rate is 12 bph.** If scale is present, contact Operations Engineer to determine methodology for removing scale from casing and perforations.
10. TIH with an expendable check, one joint of 2-3/8" tubing, a seating nipple and then 1/2 of the 2-3/8" production tubing. Run a broach on sandline to insure the tubing is clear. TIH with remaining 2-3/8" tubing and then broach this tubing. Replace any bad joints. CO to PBTD with air/mist. Alternate blow and flow periods, making short trips for clean up as necessary.
11. Land tubing at \pm 4950'. ND BOP and NU WH. Pump off expendable check. Connect to casing and circulate air to assure the expendable check has pumped off. Obtain pitot gauge up the tubing. If well will not flow up the tubing, make swab run to SN. RD and MOL. Return well to production.

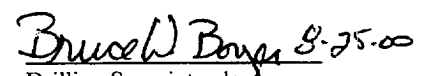
Recommended:


Operations Engineer

Jennifer L. Dobson:

Office - (599-4026)
Home - (564-3244)
Pager - (324-2461)


Approved:


Drilling Superintendent

Sundry Required:

YES **NO**

Approved:


Regulatory