

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

210 DEC 20 PM 1:16

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

2170'FNL, 1890'FWL, Sec.6, T-31-N, R-11-W, NMPM

5. Lease Number

SF-078115

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number

Dusenberry #1B

9. API Well No.

30-045-30005

10. Field and Pool

Blanco MV

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

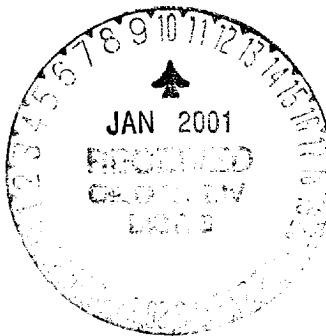
☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to squeeze and add Lewis pay to the subject well according to the attached procedure.



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

Signed [Signature] Title Regulatory Supervisor Date 12/20/00

TLW

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date 1/8/01

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

Dusenberry #1B

Lewis Payadd

2170' FNL, 1890' FWL

F - 6 - 31N - 11W

San Juan County, New Mexico

LAT: 36 DEG 55.1'

LONG: 108 DEG 2.0'

Summary:

Lewis pay is going to be added to the existing Menefee and Point Lookout production. The Lewis will be hydraulically fracture stimulated in one stage with 200,000# 20/40 sand and a 75 quality 20# linear gel foam. Foam is used to limit the fluid damage to the Lewis by reducing liquid volumes and by aiding in the liquid recovery during the flowback.

- Comply with all BLM, NMOCD, and BR rules and regulations.
- Hold safety meetings.
- Place fire safety equipment in strategic locations.
- Inspect location and test rig anchors.
- Dig flowback pit or set flowback tank.
- Set and fill 3-400 BBL Frac tanks w/ 2% KCl water. Test and filter if necessary.

Equipment Needed:

3 -- Frac Tanks with 2% KCl water	2350 gals Acetic Acid (650 spot, 1700 breakdown)
1 -- 4-1/2" CIBP	50 sax Class B Cement
1 -- 4-1/2" Packer w/ Bypass	1 -- 4-1/2" packer for squeezing
1 -- 4-1/2" RBP	

PROCEDURE:

1. MIRU. Record and report SI pressures on tubing, casing, and bradenhead. Lay blowdown line and blow well down. Kill well with 2% KCl water. ND WH, NU BOP. Test and record operation of rams. NU blooie line and 2-7/8" relief line. Redress production wellhead as needed.
2. TOOH w/ 2-3/8" tubing set at +/- **5,463'** and stand back. Inspect tubing and replace bad tubing as necessary. (If existing tbg. is scaled-up, contact production engineer to determine an acid treatment.)
3. PU 4-1/2" CIBP on 2-3/8" tubing. TIH and set CIBP @ **4,520'**. Load hole w/ 2% KCl water. TOOH. Pressure Test casing and CIBP to **3000** psi.
4. RU wireline. Correlate to CBL/CCL/GR and perforate **2** squeeze holes w/ 3125-302T at **3770'**. POOH.
5. PU 4-1/2" Packer and TIH. Set Packer @ **3400'**.
6. RU Cementing company. Establish an injection rate down the tubing into the squeeze perforations. Once an acceptable rate has been established, pump 100 sx of Class B Neat Cement with 2% CaCl. Displace cement to 150' below packer or until squeeze is obtained. Release packer reverse 1.5 volumes of tubing. Pull minimum of 5 stands. Install valve and pressure up to 1500 psi. Shut in overnight.
7. TOOH.

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8. PU 3-7/8" blade bit and TIH to TOC. Drill out cement and clean out to the CIBP @ 4,520'
Spot 15 BBLs of Acetic Acid** from the CIBP @ \pm 4,520' to above the top perf. TOOH w/ tubing.

** All Acid to contain the following additives/ 1000 gal:

1000 gal	10%	Acetic Acid
2 gal	MSA II	corrosion inhibitor
5%	NH ₄ CL	clay control

9. RU wireline. Correlate to CBL/CCL/GR. RIH w/ CBL/CCL/GR and log from 3900' to 200' above cement. Send logs to production engineer and drilling to evaluate to ensure isolation for frac.
10. Correlate to CBL/CCL/GR and then perforate the Lower Lewis Shale interval with 3-1/8" HSC w/ 3125-306T charges. These are 12 gram charges with a 0.30" hole and 17.5" penetration. Shoot 60 holes top down @ 1 shot per 2 feet at 120° Phase in Acetic Acid at the following depths:

**3812-22, 3836-46, 3910-20, 4034-44,
4168-78, 4210-20, 4273-83, 4302-12,
4393-4403, 4439-49**

RD wireline.

11. TIH with 4-1/2" RBP, on/off tool and 4-1/2" packer w/ a bypass on 2-3/8" tubing. Set RBP at RBP setting depth. PUH + 10 ft and set Packer. RU stimulation company and pressure test RBP and lines to 3,000 psi. Release packer, and reset packer at Packer Setting Depth. Open the bypass and circulate the acid to the top of the packer. Close the bypass. Breakdown perforations and establish an injection rate between 8 and 10 BPM with 333 gals of Acetic Acid + 5% NH₄Cl **. Breakdown to the Max pressure of 3,000 psi. Release packer and RBP. Repeat for the remaining intervals.

RBP Setting Depth	Packer Setting Depth	Perforation Interval
4,490'	4,350'	4393-4403, 4439-49
4,360'	4,240'	4273-83, 4302-12
4,260'	4,120'	4168-78, 4210-20
4,070'	3,870'	3910-20, 4034-44
3,880'	3,780'	3812-22, 3836-46

12. TOOH w/ RBP, Packer, and 2-3/8" tubing and stand back.
13. NU appropriate wellhead isolation tool and stim co. pressure test lines to 4,000 psi. Fracture stimulate in 1.0 to 3.0 ppg stages @ 40 BPM constant downhole rate with 75Q N₂ foamed 20# linear gel and 200,000 lbs. 20/40 mesh sand. When sand concentration begins to drop, call flush. Flush to 100' above top perf with 75Q foam. **Frac is to be tagged with 3 RA Tracers.** Refer to frac schedule enclosed. Maximum treating pressure is 3,000 psi.

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14. Record ISIP, 5, 10 and 15 min. shut-in pressure. Shut-in frac valve. RD stimulation company. Install flowback line above frac valve. Lay flowback line to dual-choke-manifold and pit. Begin flowback after stimulation company has rigged down from frac valve. Open well to pit in accordance with the flowback schedule listed in the table below. Do not shut well in during flowback. When schedule dictates a larger choke size, open ball valve upstream of adjustable choke and open adjustable choke on manifold to pre-determined size listed in table and begin flowing through adjustable choke. Close ball valve upstream of positive flow bean and change out flow bean to next larger size in table. Open ball valve upstream of positive flow bean and begin flowing. Close ball valve upstream of adjustable choke and close adjustable choke.

10/64" Choke	Approximately 2 hrs.
12/64" Choke	Approximately 2 hrs.
14/64" Choke	Approximately 2 hrs.
16/64" Choke	Approximately 3 hrs.
18/64" Choke	Approximately 3 hrs.
20/64" Choke	Approximately 3 hrs.
22/64" Choke	Approximately 3 hrs.
24/64" Choke	Approximately 3 hrs.
32/64" Choke	Approximately 3 hrs.

NOTE: Follow this schedule to utilize a 24+ hour flowback. If well begins to slug or make large amounts of sand to surface, drop to next lower choke size. If well begins to taper off in liquid production (mostly N2), change to next larger choke size before time schedule dictates.

15. PU and TIH w/ 3-7/8" flat mill on 2-3/8" 4.7# J-55 tubing and CO to CIBP @ +/- 4,520' with air/mist. When well is sufficiently clean, gauge the Lewis interval for one hour. Obtain an accurate pitot gauge for the Lewis interval. DO CIBP @ +/- 4,520' w/ 3-7/8" flat mill on 2-3/8" tubing w/ air/mist and a **minimum rate of 12 BPH mist.**
16. CO to PBTD. TOOH w/ 3-7/8" mill and 2-3/8" 4.7# J-55 tubing.
17. TIH w/ 2-3/8" 4.7# J-55 production tubing. Broach in tubing on sandline. TIH w/ one joint of 2-3/8" 4.7# J-55 tubing w/ expendable check, seating nipple, then remaining 2-3/8" production tubing. Land tubing @ +/- 5,550'
18. ND BOP's, NU wellhead. Pump off expendable check. Obtain a final pitot up tubing. If well will not flow on it's own, make swab run to seating nipple. If swab run is not necessary, RD and MOL.
19. RU Pro-Technics. Run After Frac Log across Lewis. RD Pro-Technics.

Approve: R. D. C. 11/29/00
Team Manager

Approve: Bruce D. Boyz 11-30-00
Drilling Manager

Recommend: Michele Quisel 11-28-00
Production Engineer

Approve: Deanna Calk 11-30-00
Regulatory

Michele Quisel

Work: 324-6162

Pager: 324-7617

Home: 564-9097

Sundry required for survey