

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' FNL, 1500' FEL, Sec. 16, T-28-N, R-5-W, NMPM

5. Lease Number
SF-079250

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

San Juan 28-5 Unit

Well Name & Number

San Juan 28-5 U #75

API Well No.

30-039-20108

10. Field and Pool

Munoz Canyon Gallup

Basin Dakota

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 - Commingle

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to add the Gallup formation to the existing Dakota formation of the subject well according to the attached procedure and wellbore diagram. The Gallup will be tested for approximately six months. After testing, the well will be commingled. A down-hole commingle application will be made.

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

Signed [Signature] (BGOpps) Title Regulatory Administrator Date 6/16/99

no

(This space for Federal or State Office use)

APPROVED BY [Signature] Title [Signature] Date 6/23/99

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.

NMOCD

☐ AMENDED REPORT

OK (3)

San Juan 28-5 Unit # 75
Mancos (Gallup) Recompletion Procedure
Unit g, Section 17, T28N, R05W
Lat: 36°- 39.83'/Long: 107 ° – 22.68'

Summary:

This well is currently completed in the Dakota. Cumulative production from the DK is 1447 MMCF and is currently producing at 55 MCFD. It is intended to recomplete the Mancos interval, produce Mancos only for 6-9 months, run production logs and pressure build-up tests, and eventually commingle the Mancos/Dakota production. The Mancos will be stimulated in two stages using a total of 200,000 lbs 20/40 Tempered LC sand in a 65-70 Quality foam and 25# Linear gel system.

1. Inspect location and test rig anchors. Comply with all NMOCD, BLM, Forestry & BR rules and regulations. Dig flowback pit. Haul to location 2000', 2-3/8" 4.7# J-55 work string, 8000' 2-7/8" buttress frac string, and 8-400 bbl frac tanks.
2. MIRU. Fill 400 bbl tanks w/ 3# biocide/tank & 2% KCL water. Put one load of fresh water in each tank before adding 20% concentrated KCL water. Run fluid tests on water. Filter water based upon stimulation company water analysis. Record and report SI pressures on tubing, casing and bradenhead. Lay blowdown line. Blow well down and kill with 2% KCL water as necessary. ND WH and NU BOP, offset spool, and offset rams with flow tee and stripping head. Test operation of rams. NU blooie line and 2-7/8" relief line. Redress production wellhead as needed.
3. TOOH with 2-3/8" 4.7 lb/ft J-55 EUE Dakota string set at 7882' and standback. Visually inspect tubing, replace any bad joints. Note and report any scale in/on tubing.
4. PU and RIH with a 3-7/8" bit, 4-1/2" (10.5 lb/ft) casing scraper on the 2-3/8" 4.7# J-55 production string. Clean out to PBTD (~7930') with air/mist. TOOH.
5. TIH with **tubing set** 4-1/2" CIBP on 2-3/8" 4.7# J-55 tubing. Set CIBP at 7700'. Release from CIBP and fill casing with ~ 122 bbls 2% KCL. TOOH.
6. RU wireline company. Run GR-CBL-CCL from 7700' to 200' above clean top of cement under 1000 psi. Evaluate CBL. Good cement bond must exist from 7700' to 6250' to continue with the procedure. ND wireline company.
7. TIH with 4-1/2" packer and 2 joints of 2-7/8", buttress frac string. Set packer for wellhead isolation. Pressure test CIBP and casing to 3800 psi (80% of burst on 4-1/2" 10.5# J55 csg). Bleed off pressure. Release packer and TOOH. LD packer and stand back 2-7/8" buttress joints.
8. TIH with open ended 2-3/8" 4.7# J-55 tubing. In stages, blow casing dry to 7700'. RU stimulation company. Spot 10 bbls 10% Acetic + 5% NH₄CL across Lower Mancos perf interval (7225'-7666'). RD stimulation company. TOOH.
9. NU wireline. Correlate openhole Schlumberger Induction Log (9/12/68) to GR-CBL-CCL. Perforate (**Top Down**) Lower Mancos interval as follows using select fire HSC guns loaded with Owens HSC-3125-306T 12 gram charges set at **1 SPF** (Av. perf diameter - 0.30", Av. pen. -17.48" in concrete). **7225', 7235', 7245', 7322', 7329', 7336', 7490', 7500', 7510', 7520', 7530', 7540', 7550', 7560', 7570', 7580', 7590', 7620', 7630', 7635', 7640', 7650', 7660', 7666'** (24 holes total) ND wireline company.

10. TIH with 4-1/2" pkr / RBP combo on 2-7/8" N80 buttress tbg. Set packer and RBP at the depths listed below. Perform breakdown with Acetic Acid on each interval.


Setting #	Packer Depth	RBP Depth	Perf Interval
1	7600'	7680'	7620'- 7666' (7 perfs)
2	7470'	7600'	7490'- 7590' (11 perfs)
3	7200'	7350'	7225'- 7336' (6 perfs)

11. RU stimulation company. Test surface lines to 7200 psi. **Max surface pressure = 6200 psi at 8 BPM. Max static pressure = 6200 psi.** Break down each setting interval with 200 gallons 10% Acetic Acid. Pump at 8 BPM until breakdown is achieved and start on flush. Pump 1 tbg volume of 2% KCl and shut down. Record ISIP for each setting. Release pressure, release pkr, and TIH to RBP. Latch on to RBP and move to next setting depth. Continue this process for both setting depths. TOOH.
12. TIH with 4-1/2" pkr on 2 jts 2-3/8" tbg and 2-7/8" 6.5# N80 buttress tbg set at 7000'. RU stimulation company. Test surface lines to 7200 psi. **Max surface pressure = 6200 psi.** Fracture stimulate the first stage w/ 100,000# 20/40 Tempered LC sand with 25# Delta Frac at 25 BPM. See attached frac schedule for details. Frac will be tagged with radioactive tracers. (4 frac tanks needed)
13. Record ISIP, 5, 10 and 15 minute shut-in pressures. Shut-in frac valve. RD stimulation company. Flowback to pit. TOOH.
14. TIH with 4-1/2" CIBP and packer on 2-3/8" 4.7# J-55 tubing. Set CIBP at 6950'. Release from CIBP and PUH with packer. Set packer just above CIBP and pressure test to 3800 psi. Bleed off pressure. Release packer. Blow hole dry of any fluid to 6950'.
15. Spot 15 bbls 10% Acetic + 5% NH₄CL across Upper Mancos perf interval (6310'-6896'). RD stimulation company. TOOH.
16. NU wireline. Correlate openhole Schlumberger Induction Log (9/12/68) to GR-CBL-CCL. Perforate (**Top Down**) Upper Mancos interval as follows using select fire HSC guns loaded with Owens HSC-3125-306T 12 gram charges set at 1 SPF (Av. perf diameter - 0.30", Av. pen. -17.48" in concrete). **6310', 6325', 6340', 6355', 6370', 6385', 6400', 6415', 6430', 6640', 6655', 6670', 6685', 6700', 6715', 6730', 6760', 6775', 6790', 6805', 6820', 6835', 6850', 6888', 6896' (25 holes total)** ND wireline company.
17. TIH with 4-1/2" pkr / RBP combo on 2-7/8" N80 buttress tbg. Set packer and RBP at the depths listed below. Perform breakdown with Acetic Acid on each interval.

Setting #	Packer Depth	RBP Depth	Perf Interval
1	6740'	6910'	6760'- 6896' (9 perfs)
2	6620'	6740'	6640'- 6730' (7 perfs)
3	6290'	6450'	6310'- 6430' (9 perfs)

18. RU stimulation company. Test surface lines to 7200 psi. **Max surface pressure = 6200 psi at 8 BPM. Max static pressure = 6200 psi.** Break down each setting interval with 200 gallons 10% Acetic Acid. Pump at 8 BPM until breakdown is achieved and start on flush. Pump 1 tbg volume of 2% KCl and shut down. Record ISIP for each setting. Release pressure, release pkr, and TIH to RBP. Latch on to RBP and move to next setting depth. Continue this process for both setting depths. TOOH.

19. TIH with 4-1/2" pkr on 2-7/8" 6.5# N80 buttress tbg set at 6100'. ^{OR IN GOOD CEMENT} RU stimulation company. Test surface lines to 7200 psi. **Max surface pressure = 6200 psi.** Fracture stimulate the first stage w/ 100,000# 20/40 Tempered LC sand with 25# Delta Frac at 25 BPM. See attached frac schedule for details. Frac will be tagged with radioactive tracers (0.4 mCi Ir-192, 0.3 mCi Sb-124, and 0.3 mCi Sc-46). (4 frac tanks needed)
20. Record ISIP, 5, 10 and 15 minute shut-in pressures. Shut-in frac valve. RD stimulation company. Flowback to pit.
21. TOOH and laydown 2-7/8" N80 buttress tbg and 4-1/2" pkr.
22. TIH with 3-7/8" bit on 2-3/8" 4.7# J-55 tubing and clean out to 6950'. Alternate between blow and natural flow stages until water rates are less than 1 BPH. **Take an Upper Mancos pitot gauge.** Drill out CIBP at 6950'. Use a 10-12 BPH mist rate while drilling CIBP.
23. Continue to clean out well to 7700'. Alternate between blow and natural flow stages until water rates are less than 1 BPH. Take a total Mancos pitot gauge. TOOH.
24. TIH with an expendable check, one 2-3/8" joint, standard SN and remaining 2-3/8" tubing. Broach tubing while running in hole. CO with air/mist to PBTD again, if necessary. **Obtain final Mancos pitot gauge.** Land tubing at 7670'. ND BOP. NU WH. Pump off expendable check. RDMO. Contact Production Operations for well tie-in.
25. RU Pro-Technics. Run After-Frac log across Mancos (6290-7670'). RD Pro-Technics
26. CIBP above the Dakota perms will remain for 6-9 months for accurate testing of the Mancos zone. After this period, post frac injection tests will be performed on the Mancos and production logs will be run. Finally the well will be placed on commingled production.

Recommend: 
Production Engineer 5-13-99

Approved:  5/22/99
Drilling Superintendent

Approved:  5/14/99
Team Leader

VENDORS:

Wireline:	Schlumberger	325-5006
Stimulation:	Halliburton	325-3575

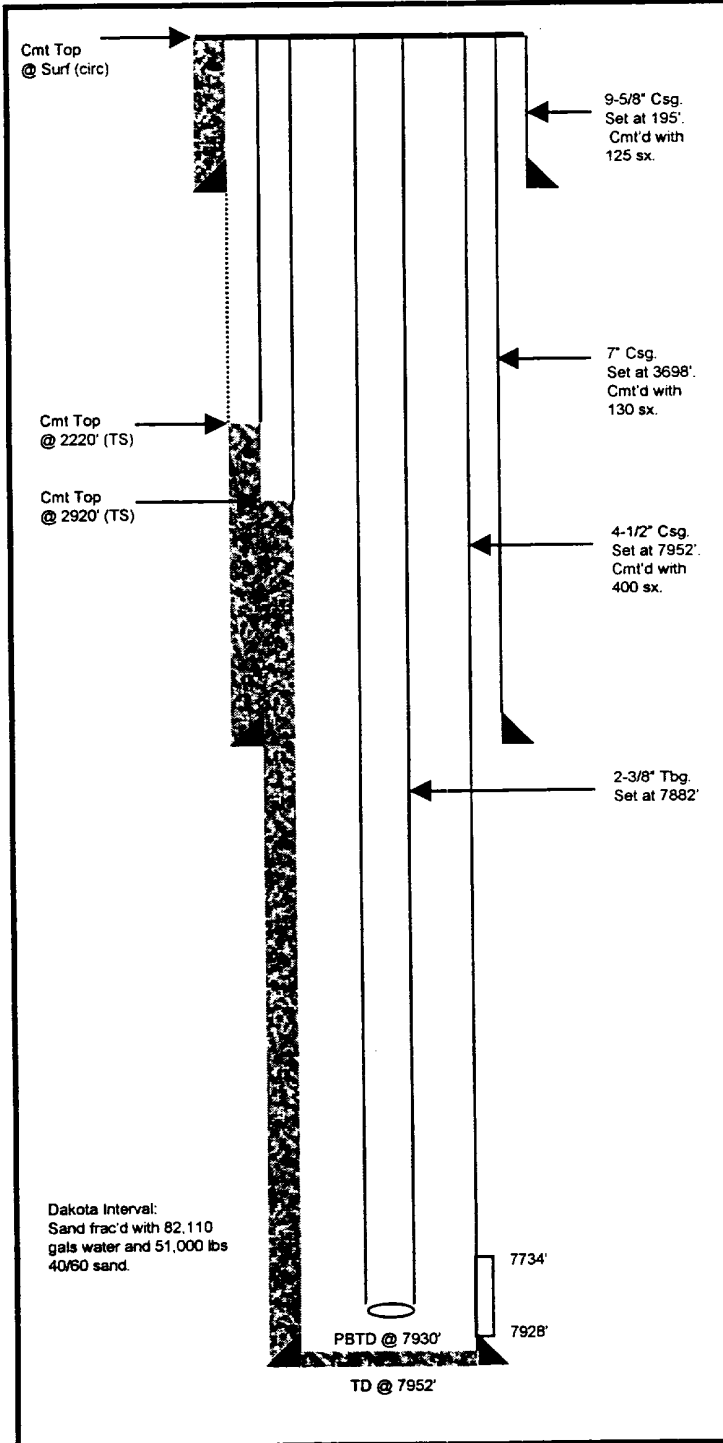
Contact:

Bobby Goodwin	326-9713 (work)	599-0992 (home)	564-7096 (pager)
Neale Roberts	326-9856 (work)		

San Juan 28-5 Unit #75

Unit G, Section 17, T28N, R5W
 Lat: 36°- 39.82908' / Long: 107°-22.68036'
 Rio Arriba County, NM

Current Schematic



Proposed Schematic

