

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

Sundry Notices and Reports on Wells

1. Type of Well GAS	DHC-2302	API # (assigned by OCD) 30-039-20228
		5. Lease Number
2. Name of Operator <b>BURLINGTON RESOURCES</b> OIL & GAS COMPANY		6. State Oil&Gas Lease # E-290-19
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		7. Lease Name/Unit Name  San Juan 27-5 Unit
4. Location of Well, Footage, Sec., T, R, M 1840' FSL, 800' FWL, Sec. 16, T-27-N, R-5-W, NMPM, Rio Arriba County		8. Well No. 40
		9. Pool Name or Wildcat Blanco MV/Basin DK
		10. Elevation:

Type of Submission	Type of Action	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other -	

13. Describe Proposed or Completed Operations

It is intended to sidetrack the subject well according to the attached procedure.  
The well will then down hole commingled. DHC-2302 is in place for the commingling.



SIGNATURE Nancy Olthman for (LNMVIM) Regulatory Supervisor June 15, 2001

no

(This space for State Use)

ORIGINAL SIGNED BY CHARLES T. PERROW

DEPUTY OIL & GAS INSPECTOR, DIST. 3

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date JUN 14 2001

K

## Sundry Notice Submittal

Well: San Juan 27-5 Unit #40  
Unit L, Sec. 16, T27N, R05W

It is intended to sidetrack the existing wellbore to the Dakota interval. The existing wellbore is unrecoverable from 5189' to 7741' due to a downhole fire in 1999. A completion rig will MIRU, pull tubing, cut and retrieve 4-1/2" casing and plug back the existing wellbore. The pluback will consist of setting a CIBP above the top of fish at +/- 4737' and abandoning the wellbore with 150' of cement on top of the CIBP. Several plugs will be set to isolate the appropriate zones, and a CBL will be run to determine TOC. A drilling rig will then MIRU, set a whipstock and mill a window in the 7" casing at approximately 3070'. The well will be sidetracked to a total depth of +/- 7741'. A longstring of 4-1/2" casing will be run from TD to surface and cemented in place.

If the well is successfully sidetracked, the Mesaverde and Dakota intervals will be perforated and fracture stimulated. Their production will be commingled through one string of 2-3/8" tubing.

Approved: Bruce W. Buzi  
Drilling Superintendent

6-14-01  
Date

Approved: Nancy Oltmanns  
Regulatory *Sundry required*

6-16-01  
Date

# **BURLINGTON RESOURCES**

## **PLUG BACK PROCEDURE**

### **San Juan 27-5 #40**

**1840' FSL, 800' FWL  
Unit L, Section 16, T27N, R05W  
Rio Arriba County, New Mexico  
LAT: 36° 34.26'    LONG: 107° 22.20'  
Blanco Mesaverde/Basin Dakota**

LLN:	<u>Laure M. Fitzgerald</u>	Prepare / Production Engineer
WSS:	<u>Wayne Fletcher 6/27/01</u>	Approve / Regional Engineer
JCA:	<u>Bruce W. Boyer 6-27-01</u>	Approve / Drilling
DLA:	_____	Distribution

---

#### Distribution:

*Well File (Original)  
Field File (2 Copies)  
Originator (1 Copy)  
Stimulation Company (1 Copy)  
Wireline Company (1 Copy)  
Laura Tucker (1 Copy)  
Superintendent (1 Copy)*

---

### **DIRECTIONS TO LOCATION:**

From Bloomfield, NM, travel east on US Hwy 64 to Gobernador School. Turn right (S) and go for 12.7 miles to Cottonwood Crossing. Continue east and go for 2.0 miles. Turn right (S) on Forest Service Road #315 and go for 2.0 miles. Turn left (NE) and continue for 1.0 miles to new location.

### **PROJECT OBJECTIVE:**

- The SJ 27-5 #40 is currently a non-producing Mesaverde/Dakota well. The Mesaverde was added to the Dakota interval in 1999. During the payadd operations, the well was lost due to a downhole fire. Due to fish, cannot get below 5299'. There is a CIBP at 5350' isolating the Point Lookout interval and one at 6000' isolating the Dakota interval. It is intended to plug back the current wellbore, sidetrack to the Dakota, and complete the Lewis, Cliffhouse, Menefee, Point Lookout and Dakota intervals.
- **Maximum pressure: 3590 psi (~75% of Burst of 4-1/2", 10.5#, J-55 casing)**
- **4-1/2" TOC is located at 3152' (per CBL dated 7/14/99).**

Deliver to location the following equipment:

1.	One (1) – 400 bbl frac tank filled with fresh water
2.	One (1) 7", 20# CIBP, One (1) 7" cement retainer
3.	500' of 2-3/8", 4.7#, J-55, EUE tubing to reach PBTD
4.	4-1/2" casing scraper
5.	6-1/4" bit/mill and bit sub
6.	Two (2) 4-1/2", 10.5# CIBPs

### **WELL SITE PREPARATION:**

1. Hold pre-job meeting with rig supervisors, rig personnel and key vendors to review procedure.
2. Record and report SI pressure on tubing, casing, and bradenhead.
3. MIRU pulling unit. Comply with all NMOCD, BLM and BR regulations. Conduct daily safety meetings for all personnel on location. Notify BR regulatory (Peggy Cole 326-9727) and the appropriate regulatory agency prior to pumping any cement job and after CBL is run. If an unplanned cement job is required, approval from the governing regulatory agency is required before the job can be pumped. If verbal approval is obtained for any squeeze, document the approval in DIMS. Allow adequate notice prior to pump time for the agency to witness the cementing operation.
4. Lay blowdown line. Blow well down and kill with water if necessary. NU 7-1/16" 3000 psi BOP. Pressure test BOP. NU blooie line and 2-7/8" relief line.
5. TOOH with 2-3/8", 4.7#, J-55 Mesaverde production string set @ 5256'. If tubing is stuck, freepoint and chemical cut tubing at a point below 4000'. If tubing is not free below 4000' call for instructions. Visually inspect tubing when pulled from well. If tubing does not pass visual inspection, replace with workstring.

**\*\*NOTE:** Dakota perforations are isolated by CIBPs at 6000' and 5350'. Point Lookout perforations are isolated by the CIBP at 5350'. In addition, these zones are further isolated by the downhole fire debris at 5299'.

6. MIRU wireline company. RIH with gauge ring and junk basket to 5299'. POOH. [If gauge ring fails to reach 5299', TIH with casing scraper and clean casing to 5299'. POOH.]
7. **Plug #1 (Cliffhouse/Lewis perforations, 4030' - 3930')**: Set 4-1/2", 10.5# CIBP at 4030'. Mix 12 sx of Class "B" cement and spot a balanced plug of Class "B" cement to isolate the Cliffhouse and Lewis intervals.
8. **Plug #2 (7" shoe and 4-1/2" casing, 3460' - 3360')**: TIH open-ended. Mix 29 sx (150 linear feet) of Class "B" cement and spot a balanced plug inside the 7" casing to casing shoe. TOOH.
9. MIRU wireline company. ND BOP and tubing head. Weld slip on collar on 4-1/2" casing. MIRU Wireline Specialties. Determine where to jet cut the 4-1/2" casing by stretch calculation. TOC is located at +/-3152' (per CBL). If a stretch or freepoint calculation cannot be performed, call the production engineer/drilling superintendent and confirm the cutting depth prior to cutting. Refer to CBL dated 7/14/99 for TOC information. RD Wireline Specialties. TOOH laying down 4-1/2" casing. Use thread protectors. Send 4-1/2" casing to town for inspection. Change pipe rams to 2-3/8".
10. TIH w/ tubing and circulate hole clean. Load hole with fluid in preparation for cased-hole logging run. TOOH
11. Run CBL/CCL/GR from new PBTD (+/- 3360') to TOC. Set CIBP 3' above casing collar closest to 4-1/2" casing stub. If the 7" TOC is not at surface, shoot 2 squeeze holes at TOC and proceed with steps 10a through 10f. If 7" TOC is at surface, proceed to step 12. POOH.
  - a. TIH w/ 7" cement retainer on tubing. Set cement retainer 100' above squeeze holes (3' above a casing collar). POOH.
  - b. Load hole with water. Pressure test tubing to 1500 psi for 15 minutes.
  - c. Squeeze 55 sx of Class B cement below cement retainer and into casing and casing annulus. Maximum squeeze pressure is 1500 psi.
  - d. Sting out of cement retainer. Reverse circulate 1-1/2 tubing volumes to pit.
  - e. PU 6-1/4" bit on 2-3/8" workstring and TIH. Drill out to CIBP. DO NOT drill through CIBP. Circulate wellbore clean and TOOH.
  - f. NU wireline. RIH with CBL/GR/CCL and log from CIBP to TOC. POOH. ND and release wireline company. If Ojo Alamo is not covered, fax copy of log to BR office and wait for squeeze instructions.
12. Pressure test casing to 1500 psi with rig pump for 15 minutes. If rig pump cannot achieve 1500 psi then go to maximum pressure achievable. Record pressure test information on DIMS report. If casing does not pressure test, call for instructions.
13. If all is OK, LD tubing. ND BOP. RDMO location. NU wellhead. SIW.

<b>Engineers</b>						
<b>James Erlandson</b>		<b>Sean Corrigan</b>		<b>Laura Nofziger</b>		
Office	599-4010	Office	326-9812	Office	326-9765	
Home	327-9182	Home	324-2028	Home	326-1790	
Pager	949-2642	Pager	324-4208	Pager	327-8667	

<b>VENDORS:</b>		<b>SERVICE COMPANY</b>	<b>PHONE NUMBER</b>
<b>CASED HOLE:</b>		Black Warrior	326-6669
<b>STIMULATION:</b>		Dowell	325-5096
<b>FRAC VALVE:</b>		District Tools	
<b>FREEPOINT/STRING SHOT:</b>		Wireline Specialties	327-7141
<b>TRACER SURVEY:</b>			