

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

Sundry Notices and Reports on Wells

<p>1. Type of Well GAS</p> <hr/> <p>2. Name of Operator <b>BURLINGTON RESOURCES</b> OIL &amp; GAS COMPANY</p> <hr/> <p>3. Address &amp; Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700</p> <hr/> <p>4. Location of Well, Footage, Sec., T, R, M 890' FSL 1615' FEL, <b>Sec. 30, T-27-N, R-5-W</b>, NMPM, Rio Arriba County</p>	<p>API # (assigned by OCD) 30-039-25775</p> <p>5. Lease Number Fee</p> <p>6. State Oil&amp;Gas Lease #</p> <p>7. Lease Name/Unit Name San Juan 27-5 Unit</p> <p>8. Well No. 164M</p> <p>9. Pool Name or Wildcat Blanco MV/Basin DK</p> <p>10. Elevation:</p>
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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 run a spinner survey on the subject well according to the attached procedure and wellbore diagram.

**RECEIVED**  
DEC 23 1998  
**OIL CON. DIV.**  
DIST. 3

SIGNATURE  (MQ) Regulatory Administrator December 22, 1998

TLW

(This space for State Use)

ORIGINAL SIGNED BY CHARLES T. PERMAN

DEPUTY OIL & GAS INSPECTOR, DIST. #3

DEC 23 1998

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

## **San Juan 27-5 Unit #164M**

Blanco Mesaverde/Basin Dakota  
Unit P, Section 30, T27N, R05W  
Rio Arriba County, New Mexico  
Elevation 6388' GL  
LAT: 36.540000' Long : 107.397000'

### **Summary:**

The San Juan 27-5 Unit #164M was spudded March 23, 1998 and was originally completed in the Dakota, Point Lookout, Menefee, Cliff House, and the Lewis in four stages. By running the spinner flowmeter, the percent contribution of the Lewis and of the individual zones within the Lewis can be determined. The data gathered in this spinner survey will be combined with the spinner data gathered in the spring of 1998 to help determine the ideal stimulation design for the Lewis Shale.

### **Procedure:**

1. Comply with all NMOCD, BLM, and BR regulations. Conduct daily safety meetings for all personnel on location.

**DO NOT KILL WELL. ANY FLUIDS USED IN WELLBORE WILL INVALIDATE DATA NEEDED. IF FLUIDS ARE REQUIRED, CONTACT MICHELE QUISEL OR KEN COLLINS TO DISCUSS ALTERNATIVES.**

2. Inspect location and wellhead and install rig anchors prior to rig move if needed.
3. MOL, hold safety meeting and RU slickline unit. SI Master valve. ND bullplug on flowtee. RU full lubricator and test to 1500 psi. Open master valve. RIH w/slickline and set tubing choke in FN @ 7437' (1.81" I.D. bore). RD slickline unit. SI master valve.
4. RU workover unit. Check all safety equipment to insure proper location and working order. ND wellhead and NU 7-1/16" 3000 BOP, spool, stripping head and blooie line to pit. Continue to flow well through casing valve. Flow well through casing valve and blow well through blooie line to pit.
5. Strip 242 jts. 2-3/8" 4.7# J-55 tubing through stripping head and stand back. ND stripping head. SI rams on BOP.

**THE WELL WILL REMAIN ON PRODUCTION DURING THE ENTIRE SPINNER SURVEY.**

6. RU Schlumberger. RU full lubricator and test to 1500 psi. Open rams on BOP and RIH w/ spinner flowmeter tool/GR/CCL. Correlate depth to GR/CCL logs provided by the engineer on location.
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## **San Juan 27-5 Unit #164M**

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7. Take spinner survey readings at the following stations:

- Station #1            **3646'** Top of Navajo City Chacra
- Station #2            **4040'** Top of Otero Chacra
- Station #3            **4190'** Top of Middle Bench of Otero Chacra
- Station #4            **4600'** Top of Mesaverde/Dakota

8. Tag bottom w/ spinner tool. POOH w/ spinner flowmeter tool/GR/CCL and SI rams on BOP. RD full lubricator. RD and release Schlumberger.

9A. If fill, TIH w/ 3-7/8" bit and CO to PBTD. TOOH.

9. NU stripping head. Open rams on BOP. Strip 242 jts. 2-3/8" 4.7# J-55 tubing w/ expendable check and seating nipple one joint off bottom and land tubing @ 7469'. Pump off expendable check. ND stripping head, BOP, and blooie line. NU wellhead. RD and release rig.

10. NU bullplug and flowtee. Open master valve and put well on production.

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Unit P, Section 30, T27N, R05W

Rio Arriba County, New Mexico

Elevation 6388' GL

LAT: 36.540000' Long : 107.397000'

Recommend: Michele S. Quisel 11-4-98 Approve: Bruce W. Bayer 11-10-98  
Production Engineer Drilling Superintendent

Approve: [Signature] 11/6/98  
Team Leader

## Vendors:

Wireline:	Schlumberger	328-5006
Slickline:	Tefteller Inc.	325-1731

Michele Quisel	Office: 324-6162	Pager: 326-8196	Home: 564-9097
Ken Collins	Office: 326-9718	Pager: 326-7468	Home: 325-9597

# San Juan 27-5 Unit #164M

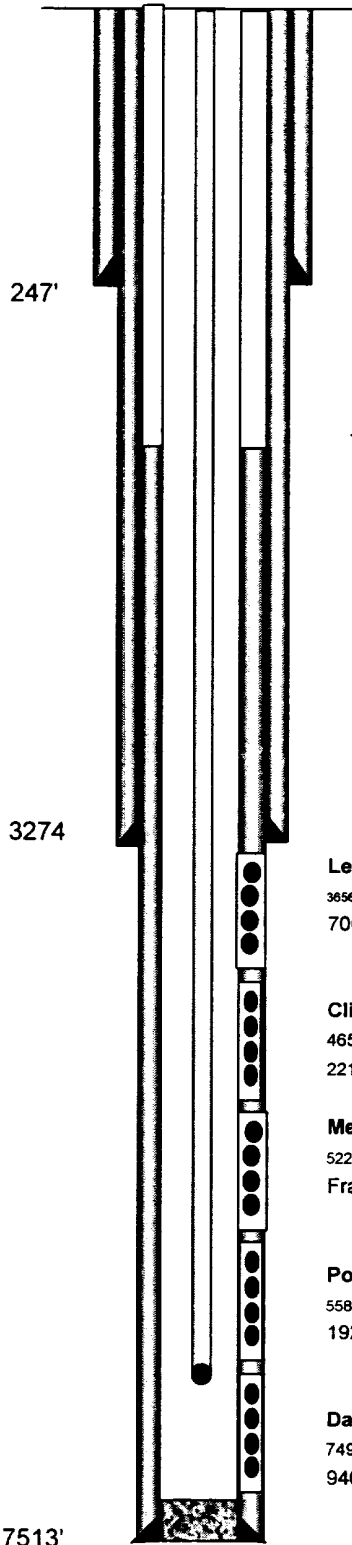
890' FSL, 1615' FEL  
Unit P Sec. 30, T-27 R-5W  
Rio Arriba County, New Mexico  
KB 6400 GL 6388

9-5/8" 32.3# H-40  
325 sx TOC circ

8-3/4" Hole  
7" 20# J-55

6-1/4" Hole  
4-1/2" 10.5# J-55  
0  
467 sx

Tubing: 2-3/8" 4.7# J-55  
@ 7469'



Formation Tops	
Ojo Alamo	2350
Kirtland	2445
Fruitland	2698
Pictured Cliffs	3076
Lewis	3152
Huer. Bent.	3588
Chacra	3862
Upper Cliff House	4625
Massive Cliff House	4718
Menefee	4858
Point Lookout	5285
Mancos	5736
Gallup	6712
Greenhorn	7200
Graneros	7274
Dakota	7405

TOC 2080' CBL

## Lewis:

3656', 3714', 3806', 65', 3908', 62', 4008', 53', 72', 98', 4140', 4203', 15', 35', 70', 4344', 80', 4427', 43', 75', 96', 4530'  
70Q Foam, 200,000# 20/40 sand 702 bbl 25# Linear Gel

## Cliffhouse:

4652', 7420', 27', 38', 45', 56', 62', 76', 4803', 10', 28', 38'  
2218 bbl SW, 100,000# 20/40 sand

## Menefee:

5223', 5197', 92', 26', 5078', 73', 64', 43', 35', 12', 5005', 4983', 56', 49', 28', 4888', 56'  
Frac'd w/ Cliff House and the Point Lookout

## Point Lookout:

5588', 80', 52', 31', 06', 5488', 64', 51', 42', 25', 18', 04', 5390', 82', 66', 56', 40', 33', 07', 5298', 89'  
1928 bbl SW, 100,000# 20/40 sand

## Dakota

7496', 90', 74', 66', 60', 048', 28', 020', 10', 7386', 76', 32', 20', 10' -- 32 Holes  
946 bbl, 25# X-Link Gel, 90,000# 20/40 LC Sand

7513'

TD = 7513'  
PBD = 7511'

MSQ  
11/3/98