

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

Sundry Notices and Reports on Wells

2007 AUG 24 PM 4:19

1. Type of Well  
GAS

RECEIVED  
BLM  
210 FARMINGTON NM

5. Lease Number  
NMSF-07519-A  
6. If Indian, All. or  
Tribe Name

2. Name of Operator

**BURLINGTON**

RESOURCES OIL &amp; GAS COMPANY LP

7. Unit Agreement Name

3. Address &amp; Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

8. San Juan 28-5 Unit  
Well Name & Number

San Juan 28-5 Unit 31M

9. API Well No.

30-039-29853

4. Location of Well, Footage, Sec., T, R, M  
Sec., T--N, R--W, NMPM

Unit O (SWSE) 765' FSL &amp; 2335' FEL, Sec. 12, T28N, R5W NMPM

Unit P (SESE) 1175' FSL &amp; 1010' FEL, Sec. 12 T28N, R5W NMPM

10. Field and Pool

Blanco Mesa Verde/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☐ Casing Repair☐ Altering Casing☒ Change of Plans☐ New Construction☐ Non-Routine Fracturing☐ Water Shut off☐ Conversion to Injection☐ Other -

RCVD AUG 29 '07  
OIL CONS. DIV.  
DIST. 3

## 13. Describe Proposed or Completed Operations

ConocoPhillips is requesting the following change on the well design:

We would like to set the intermediate casing shoe at 5551'. Original intermediate casing depth was 5668' TMD.

Please see attached.

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

Signed Tracey N. Monroe

Tracey N. Monroe Title Regulatory Technician Date 8/24/07

(This space for Federal or State Office use)

APPROVED BY [Signature]Title Petr. Eng.Date 8/27/07

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

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Burlington Resources

San Juan 28-5 Unit #31M

T - 28 N  
R - 5 W  
Sec 12

Objective: MV/DK New Drill  
Footages: 765' FSL, 2335' FEL

Rig: AWS #730  
GL: 7305'  
KB: 7320'

BLM Phone #  
505-599-8907  
OCD Phone #  
505-334-6178

API #  
30-039-29853  
Network #  
10159302 (DK)  
10159306 (MV)  
Lease #  
NMSF-079519-A  
Like-Kind  
125 \$/FT  
APD TMD:

APD/BLM:  
2/21/2007  
AFE #  
WAN ZA2 4500 (DK)  
WAN.ZA2 4501 (MV)  
(248) Cost  
1,062,000  
8977'

San Juan Division - Drilling Program

In case of Major Emergency Call 911  
Give the following information to Operator:  
Well Name: San Juan 28-5 Unit #31M  
County: Rio Arriba  
Latitude: 36 degrees, 40.2327 minutes  
State: NM  
Longitude: 107 degrees, 18.465 minutes  
From the Post Office in Blanco, NM, travel east on Hwy 64 for 32.1 miles (milepost 105.6) to Forest Road 314. Turn right (southerly) on Forest Road 314 and travel 5.1 miles. Turn left (northerly) and travel 1.0 miles to the end of the road at the San Juan 28-5 Unit #102E location, on which the 102N will be drilled.

Environmental, Health & Safety

"Opportunities are usually disguised as hard work, so most people don't recognize them." Ann Landers "Nothing is particularly hard if you divide it into small jobs." Henry Ford

	TRIR*	FAT	Restrict'd Duty	OSHA Rec	1st Aid
Goal	1	0	0	0	0
Actual (7/20/07)	2.82	1	6	17	73

\* TRIR - Total Recordable Incident Rate per 200,000 man-hours.

Environmental Goals:

- Zero Spills on Location
- Remove Trash from Roads and Locations

TVD	TMD	Geology	Hydraulics	Drig Fluids	Cement	Materials
0'	0'	San Jose	12 1/4" Retip	Spud Mud	Type III cement with 3% CaCl <sub>2</sub> and 1/4 pps celloflake 280 sks 347.4 cu ft 15.2 ppg 1.28 cu ft/sk 5.77 gal per sk 200%	1 Cameron SSDC wellhead 1 Wellhead fuzz cap 350 feet 9-5/8" 32.3# H-40 STC 1 9-5/8" sawtooth guide shoe 3 Bow Type Centralizers 1 Rubber Plug /displacement
350'	350'	SCP	6 3/4" HCl506Z 6-12" 8-15K WOB 420 GPM 65 RPM	Drill out from under surface w/ Clean Face (Vis. 33-35" WT 8.5-9.9 ppg-WL of 6-8 cc/30 min). Sweep hole with gel/fiber as needed. Don't hesitate to mud hole up!	<b>1-Stage Intermediate Cement Procedure</b> <b>Preflush: 10 bbls FW, 10 bbls MF, 10 bbls FW</b> <b>Scavenger:</b> Premium Lite w/ 3% CaCl <sub>2</sub> , 0.25 pps Cello-Flake, 5 pps LCM-1, 0.4% FL-52 and 0.4% SMS 20 sks 11 ppg 17.89 gal/sk 56.0 cu ft 3.02 cu ft/sk	1 7" Float Shoe (Gemoco) 40 feet Shoe Joint 7" 23.0# L-80 LT&C 1 7" Float Collar (Gemoco) 5511 feet 7" 23.0# L-80 LT&C
3584'	3776'	Kirtland	420 GPM 65 RPM	Drill out from under surface with directional tools	<b>Lead:</b> Premium Lite w/ 3% CaCl <sub>2</sub> , 0.25 pps Cello-Flake, 5 pps LCM-1, 0.4% FL-52 and 0.4% SMS 750 sks 12.1 ppg 11.29 gal per sk 1597.2 cu ft 2.13 cu ft/sk 125%	<b>Intermediate String</b> 44 7" x 8-3/4" Tandem Rise type every 3rd ft from shoe to base of surface casing <b>Totals</b> 5701 feet 7" 23.0# L-80 LT&C w/ 150' extra 44 7" x 8-3/4" Tandem Rise type centralizers
4030'	4234'	Fruitland	420 GPM 65 RPM	Drill out from under surface with directional tools	<b>Tail:</b> Type III cmt w/ 1% CaCl <sub>2</sub> , 0.25 pps Cello-Flake and 0.2% FL-52 130 sks 14.60 ppg 6.64 gal per sk 176 cu ft 1.38 cu ft/sk 0%	<b>Production String</b> 1 4-1/2" Float Shoe (Gemoco) 1 4-1/2" Float Collar w/ Insert and latch in plug 408 feet 4-1/2" 11 6#, L-80 LT&C 10 feet 4-1/2" 11 6#, L-80 LT&C marker jt @ 150' above Graneros 3386 feet 4-1/2" 11 6#, L-80 LT&C @ the Huerfanito Bentonite 10 feet 4-1/2" 11 6#, L-80 LT&C marker jt 5163 feet 4-1/2" 11 6#, L-80 LT&C to surface 20 4-1/2" x 6-1/4" bowspring centralizers, 1 on shoe jt, then 1 every 4th jt /bottom to above Cliffhouse & 1 on jt below 7" shoe <b>Totals</b> 9127 feet 4-1/2" 11 6#, L-80 LT&C w/ 150' extra 20 4-1/2" x 6-1/4" bow type If mud drilled, contact office for new TD.
4234'	4493'	Pictured Cliffs	6 1/2" 7.8 3.0 slg 0.28 rev/gal SDI motor with stabs for build and upper tangent sections	@ TD make short wipeup from TD to depth where stabbed motor was pulled	<b>If losses are incurred during drilling operations contact the office for two-stage cement procedure or an alternate single stage cement procedure.</b> <b>Production Cement Procedure</b> <b>Preflush: 10 bbls Chem Wash, 2 bbls FW</b> <b>Scavenger:</b> Premium Lite HS FM + 0.25pps Cello-Flake, 0.3% CD-32, 6.25pps LCM-1, 1% FL-52. 10 sks 11.0 ppg 17.89 gal/sk 27.0 cu.ft 3.02 cu.ft/sk 40%	<b>Have mudloggers on hole from 8550' TMD to TD. Mudloggers will be Softrock (970-247-8868)</b>  <b>No open hole logs.</b>
4493'	4952'	Lewis	6 1/2" 7.8 3.0 slg 0.28 rev/gal SDI motor with stabs for build and upper tangent sections	@ TD make short wipeup from TD to depth where stabbed motor was pulled	<b>Tail:</b> Premium Lite HS FM + 0.25pps Cello-Flake, 0.3% CD-32, 6.25pps LCM-1, 1% FL-52. 250 sks 12.5 ppg 9.80 gal/sk 477.1 cu.ft 1.98 cu.ft/sk 40%	
4952'	5279'	Huerfanito Bentonite	6 1/2" 7.8 3.0 slg 0.28 rev/gal SDI motor with stabs for build and upper tangent sections	@ TD make short wipeup from TD to depth where stabbed motor was pulled		
5279'	5329'	Chacra	6 1/2" 7.8 3.0 slg 0.28 rev/gal SDI motor with stabs for build and upper tangent sections	@ TD make short wipeup from TD to depth where stabbed motor was pulled		
5329'	5880'	ICP	6 1/2" 7.8 3.0 slg 0.28 rev/gal SDI motor with stabs for build and upper tangent sections	@ TD make short wipeup from TD to depth where stabbed motor was pulled		
5880'	6147'	Massive Cliff House	6 1/2" 7.8 3.0 slg 0.28 rev/gal SDI motor with stabs for build and upper tangent sections	@ TD make short wipeup from TD to depth where stabbed motor was pulled		
6147'	6444'	Menefee	6 1/2" 7.8 3.0 slg 0.28 rev/gal SDI motor with stabs for build and upper tangent sections	@ TD make short wipeup from TD to depth where stabbed motor was pulled		
6444'	6945'	Point Lookout	6 1/2" 7.8 3.0 slg 0.28 rev/gal SDI motor with stabs for build and upper tangent sections	@ TD make short wipeup from TD to depth where stabbed motor was pulled		
6945'	7675'	Mancos	6 1/2" 7.8 3.0 slg 0.28 rev/gal SDI motor with stabs for build and upper tangent sections	@ TD make short wipeup from TD to depth where stabbed motor was pulled		
7675'	8431'	Gallup	6 1/2" 7.8 3.0 slg 0.28 rev/gal SDI motor with stabs for build and upper tangent sections	@ TD make short wipeup from TD to depth where stabbed motor was pulled		
8431'	8497'	Greenhorn	6 1/2" 7.8 3.0 slg 0.28 rev/gal SDI motor with stabs for build and upper tangent sections	@ TD make short wipeup from TD to depth where stabbed motor was pulled		
8497'	8564'	Graneros	6 1/2" 7.8 3.0 slg 0.28 rev/gal SDI motor with stabs for build and upper tangent sections	@ TD make short wipeup from TD to depth where stabbed motor was pulled		
8564'	8617'	Two Wells	6 1/2" 7.8 3.0 slg 0.28 rev/gal SDI motor with stabs for build and upper tangent sections	@ TD make short wipeup from TD to depth where stabbed motor was pulled		
8617'	8670'	Cubero	6 1/2" 7.8 3.0 slg 0.28 rev/gal SDI motor with stabs for build and upper tangent sections	@ TD make short wipeup from TD to depth where stabbed motor was pulled		
8670'	8730'	Lower Cubero	6 1/2" 7.8 3.0 slg 0.28 rev/gal SDI motor with stabs for build and upper tangent sections	@ TD make short wipeup from TD to depth where stabbed motor was pulled		
8730'	8740'	Est. Bottom Perf	6 1/2" 7.8 3.0 slg 0.28 rev/gal SDI motor with stabs for build and upper tangent sections	@ TD make short wipeup from TD to depth where stabbed motor was pulled		
8740'	8977'	Oak Canyon	6 1/2" 7.8 3.0 slg 0.28 rev/gal SDI motor with stabs for build and upper tangent sections	@ TD make short wipeup from TD to depth where stabbed motor was pulled		
8977'	8977'	Total Depth	6 1/2" 7.8 3.0 slg 0.28 rev/gal SDI motor with stabs for build and upper tangent sections	@ TD make short wipeup from TD to depth where stabbed motor was pulled		

C:\Documents and Settings\monroth\Local Settings\Temporary Internet Files\OLK12[SJ 28-5 Unit 31M drillprog.xls]PROG

Offset Summary

**SJ 28-4 #28A (MV/DK, 2006, 1 mi SE):** Drilled 12-1/4" surface hole to 326" Set 9-5/8" shoe at 321 Pumped 55 bbls cmt, circ 22 bbl to surf, 200% excess Drilled 1/326"-4.610" w/ Hughes HC606Z, avg ROP=94.9 fph, max dev =1.0 deg. Ran 7" 23# J-55 LT&C on btm and 20# J-55 ST&C on top, set shoe @ 4,601', DV tool @ 3,911' Pumped 43.4 bbls, 1st stg, circ 9 bbls to surf, pumped 201 bbls 2nd stg, circ 38 bbls to surf 100% excess Drilled 1/4 610"-8.751" w/ Marquis CV-462, avg ROP=120.7 fph Trip for new bit at 8,751' Drilled 1/8,751"-8.810" w/ Hughes STX-20, avg ROP=16.4 fph Ran 4-1/2" 11.6# J-55 on btm, 10 5# ST&C in middle, and 11 6# J-55 LT&C on top, set shoe @ 8,809' Pumped 113 bbls cmt @ 45% excess, 910 ft overlap

**SJ 28-5 #101M (MV/DK, 1998, 3/4 mi SW):** Rig drilled surface to 252' Set 9-5/8" shoe @ 245' Drilled 1/252"-4.565" w/ Hughes GT-09C avg ROP=80.6 fph max dev =1.25 deg Ran 7" 20# J-55 ST&C to 4,559' w/ DV tool @ 2,261' Pumped 122 bbls 1st stg, circ 25 bbls to surf, pumped 59 bbls 2nd stg, circ 40 bbls light cmt to surf, 50% excess? Drilled 1/4,565"-7.918" w/ Hughes STR09, avg ROP=91 fph Hole got wet at 6,571' but they were able to blow it dry Tripped for bit @ 7,918' Drilled 1/7,918"-8.822" w/ Hughes STR09, avg ROP=64.9 fph Ran 4-1/2" 11.6# J-55 on btm, 10 5# ST&C on top, set shoe @ 8,805' Tried to blow last jt to btm of hole, hole pressured up and got wet. Decided to cmt, but pressure went up to 3400 psi during pump job, decided to PU and reciprocate casing, pulled 100,000 lbs and parted casing Ten days of ng time to fix the casing.

**SJ 28-5 #98M (MV/DK, 1998, 3/4 mi SE):** Rig drilled surface to 248' Set 9-5/8" shoe @ 243' Drilled 1/248"-4.610" w/ 8-3/4" Security FM2565 PDC bit, avg ROP=72.4 fph max dev =1.75 deg. Lost circ at 3,854' in Ojo, lost 30 bbls, increased LCM from 0% to 8% and regained circ. Ran 7" 20# J-55 ST&C to 4,605' w/ DV tool @ 2,320' Pumped 124 bbls 1st stg, circ 38 bbls to surf, pumped 124 bbls 2nd stg, circ 21 bbls cmt to surf, 100% excess Drilled 1/4 610"-8.552" w/ Hughes STR09 avg ROP=72.9 fph Tripped for bit @ 8,552' Drilled 1/8,552"-8.847" w/ Hughes ATJ-55A, avg ROP=25.6 fph Dusted to TD. Ran 4-1/2" 11.6# J-55 on btm, 10 5# ST&C on top, set shoe @ 8,846' Pumped 121 bbls cmt, no mention of TOC, 50% excess

Operational Notes

Directional Info

- Drill out surface cmt with directional equipment, drill to KOP of 500'
- A 6 1/2" E-Field MWD tool will be used
- Run an SDI 6 1/2", 7-8, 0.28 rev/gal 3.0 stage motor with stabilizers in build and upper tangent sections Before initiating the drop, TOOH with stabbed motor and RIH with a slick SDI 6 1/2", 7-8, 0.28 rev/gal 3.0 stage motor
- Build at 2 degrees/100' in the azimuth of 72.88 degrees to a depth of 1494' TMD (1474.2' TVD) Hold at 19.88 degrees in azimuth of 72.88 degrees to a depth of 4557.2' TMD (4354.8' TVD) Drop angle at 2 degrees/100' to depth of 5551.2' TMD (5329.9' TVD) where inclination will be 0 degrees If directional plan changes recalculate position and drill to TVD. If deviation at int TD exceeds 5°, call office for further instruction
- At 7" casing point (5551.2' TMD, 5329.9' TVD), TOH with drilling assembly and TIH with insert bit, collar, 8-1/2" 3-pt reamer
- **Target Info**
  - Bottom hole location is 1175' FSL and 1010' FEL (Section 12)
  - Target is 407' N and 1322' E from surface stake
  - BHL is 1383.1' in azimuth of 72.88° from surface location
  - Target size is a 100' radius around the BHL.

Operational Info

- Run 2-6 jts of 5 1/4" spiral dc and 20 jts of 4 1/2" HeviWate pipe for intermediate hole (supplied by Weatherford).
- Run 10 DCs for air BHA; use 20 DCs if mud drilling necessary.
- Caliper everything that goes through the table
- Notify 1st Delivery to stnp location at least five days in advance
- **Pump cement job no greater than 4 BPM.**
- Install drilling head rotating rubber once BHA is burned
- Reserve pits must be lined.
- Well should take an estimated 17 days to drill
- **Have Bloole line rigged up prior to drilling the Kirtland**
- **Estimated bottom of perfs @ 8730' TVD**
- Call both regulatory agencies 24 hours in advance of BOP testing, spud, running csg, or cementing Leave message if after hours

Prepared: 8/22/2007

Prepared: Russell Perkins - Drilling Engineer

Reviewed: Monty Myers - Drilling Engineer

Approved: Jim Fodor - Drilling Superintendent