

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

1910' FSL, 1180' FEL, Sec.6, T-29-N, R-10-W, NMPM

5. Lease Number  
NMNM03561

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Grenier B #5E

9. API Well No.  
30-045-30086

10. Field and Pool  
Blanco MV/Basin DK

11. County and State  
San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

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 - commingle	

13. Describe Proposed or Completed Operations

It is intended to commingle the subject well according to the attached procedure.  
Order DHC2726 was issued for this well.

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

Signed *[Signature]* Title Regulatory Supervisor Date 8/27/02

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

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

**Grenier B 5E  
Mesaverde / Dakota  
1910' FSL & 1180' FEL  
Unit I, Sec. 06, T29N, R10W  
Latitude / Longitude: 36° 45.14' -107° 55.22'  
AIN: 3390201 MV / 3390202 DK  
08/19/2002 Commingle Procedure**

**Summary/Recommendation:**

The Grenier B 5E was drilled and completed as a Mesaverde / Dakota dual producer in 2000. The Dakota formation has not produced over 5 MCF/D since 02/2002. In order to optimize production it is recommended to remove the packer and produce both zones up 2-3/8" tubing. Currently, the Dakota formation is not producing, and the Mesaverde formation is producing 200 MCF/D. Anticipated uplift is 20 MCF/D from the Mesaverde and 60 MCF/D from the Dakota.

**NOTE: ALL DEPTHS ARE MEASURED FROM KB. KB to GL was 12'.**

1. Comply with all NMOCD, BLM and Burlington safety and environmental regulations. Test rig anchors and build blow pit prior to moving in rig. **Notify BROG Regulatory (Peggy Cole 326-9727) and the appropriate Regulatory Agency prior to pumping any cement job. If an unplanned cement job is required, approval is required before the job can be pumped. If verbal approval is obtained, document approval in DIMS/WIMS.** Allow as much time as possible prior to pump time in case the Agency decides to witness the cement.
2. **Prior to moving rig on, broach tbg and set tbg plug in SN at 6691' on the Dakota string. To ensure the tbg plug is held in place, fill tbg with half of volume with 2% KCL.** MOL and RU workover rig. Obtain and record all wellhead pressures. NU relief line. Blow well down and kill with 2% KCL water if necessary. ND WH and NU BOP with stripping head. Test and record operation of BOP rams. Have wellhead and valves serviced as necessary. (A single-tubing donut and WH for 2-3/8" tubing will be needed.) Test secondary seal and replace/install as necessary.
3. Pick up 1-1/2", 2.75#, J-55, IJ Mesaverde tubing set @ 4717' (bull plug & collar on bottom, 6' perforated sub, & SN @ 4709') and RIH to the top of the packer (~4858') to determine if any fill is present (record depth). TOOH laying down the Mesaverde tubing.
4. Dakota 1-1/2", 2.75#, J-55, IJ tubing is set at 6723' (SN @ 6691'). Release seal assembly from the Model 'D' Packer with straight pickup (no rotation required). If seal assembly will not come free, then cut 1-1/2" tubing above the packer and fish with overshot and jars. TOOH and stand back Dakota tubing. LD seal assembly. Visually inspect tubing for corrosion and replace any bad joints. Check tubing for scale build up and notify Operations Engineer.
5. PU and TIH with Model CK packer retrieval spear (PRS, with holes drilled near rotary shoe), rotary shoe, drain sub, top bushing, bumper sub, jars, and 4-6 drill collars on 2-3/8", 4.7#, J-55, EUE tubing. Mill out Model 'D' packer at 4858' with air/mist. **Note: when using air/mist, the minimum mist rate is 12 bph.** After milling over the packer slips, POOH with tools and packer body.
6. TIH with 4-3/4" bit and watermelon mill on 2-3/8" tubing. Cleanout to PBTD at +/- 7044' with air/mist. PU above the perforations (top perf @ 4120') and flow the well naturally, making short trips for clean up when necessary. **Note: when using air/mist, the minimum mist rate is 12 bph.** If scale is present, contact Operations Engineer and Drilling Manager to determine methodology for removing scale from casing and perforations. TOOH w/ tubing.
7. TIH with an expendable check on bottom, seating nipple, one joint 2-3/8", 2' x 2-3/8" pup joint, then 1/2 of the 2-3/8" tubing. Run a broach on sandline to ensure the tubing is clear. TIH with remaining 2-3/8" tubing and then broach this tubing. Replace bad joints as necessary.

UNITED STATES  
DEPARTMENT OF INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use APPLICATION TO DRILL for permit for such proposals

2002 AUG 23 PM 1:49  
070 FARMINGTON, NM

Lease Designation and Serial No.  
SF-078767

If Indian, Allottee or Tribe Name

SUBMIT IN TRIPPLICATE

1. Type of Well  
Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator  
WILLIAMS PRODUCTION COMPANY

3. Address and Telephone No.  
PO BOX 3102 MS 25-1, TULSA, OK 74101 (918) 573-6254

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
725' FSL & 1235' FEL, SE/4 SE/4 SEC 6-31N-05W

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
ROSA UNIT #171B

9. API Well No.  
30-039-27013

10. Field and Pool, or Exploratory Area  
BLANCO MV

11. County or Parish, State  
RIO ARRIBA, NM

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

Notice of Intent  
☒ Subsequent Report  
Final Abandonment

TYPE OF ACTION

Abandonment  
Recompletion  
Plugging Back  
Casing Repair  
Altering Casing  
Other Drilling Complete

Change of Plans  
New Construction  
Non-Routine Fracturing  
Water Shut-Off  
Conversion to Injection  
Dispose Water  
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

08-03-2002 MIRU, drilled rathole and mousehole. Drilling surface @ report time. Spudded well at 0245 hrs. 8/3/2002

08-04-2002 Drill 12-1/4" surface to 295' KB. Circulate and survey (1° @ 276'). P.O.O.H. RU and ran 6 joints 9-5/8", 36#, K-55, 8 rd., ST&C casing (275.80) set @ 290' KB. RU BJ Services. Held safety meeting with all personnel. Pressure test lines to 1500 psi. Cemented casing as follows: Ran 10 bbls H<sub>2</sub>O spacer. Mixed and pump 140 sx. (198 cu. ft.) Type III cement with 2% CaCl<sub>2</sub> and 0.25% Celloflake, 35 bbls. 14.5 ppg. slurry. Shut down and drop plug. Displaced with 19 bbls H<sub>2</sub>O. Shut down and shut in manifold with 50 psi. Had good circulation throughout the job and circulated 9 bbls. thick cement to surface. W.O.C. Rig repair (bearing on #1 Draw works motor compound shaft). NU BOP's

08-05-2002 Pressure test B.O.P.E. to 400 psi. low and 1500 psi. high. Tested OK. Slip and cut drilling line. Picked up, made up, oriented & tested directional tools. Tripped in with remainder of BHA. Tagged cement at 232' KB. Drilled cement, plug and shoe joint. Drill to KOP @ 600' Orient tools to 215.22° azimuth and begin slide drill to establish a kick off. Pumping polymer sweeps. String weight = 60K-up 45K-down and 57K-rotating

Continue on Back

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

Signed Tracy Ross  
Tracy Ross

Title Production Analyst

Date August 15, 2002

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

ACCEPTED FOR RECORD

SEP 04 2002

FARMINGTON FIELD OFFICE  
BY JC

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

08-06-2002 ROP averaging 58 fph. Pumping polymer sweeps on connections and high viscosity gel sweeps for excessive drag/torque or for any tight hole conditions. String weight = 68K-up, 50K-down, and 58K-rotating. Plans are to begin mud up within the next 8-9 hundred feet or as hole conditions warrant

08-07-2002 ROP averaging 49.6 fph. Began mudding up @ 3,050' MD by transferring and displacing hole w/ stored mud. String weight = 90K-up, 60K-down, and 75K-rotating

08-08-2002 ROP averaging 37 fph. String weight = 110K-up, 70K-down, and 85K-rotating

08-09-2002 Drilled to 3,995' Measured Depth with bit # 2. Circulated bottoms up for bit trip. Tripped out of the hole for bit # 3. Made up rerun bit. (Bit # 3, 8-3/4", HTC, GT-S09C used on the Rosa Unit 171-C) Tripped back in the hole and reamed 165' to bottom. Finished drilling to TD @ 4,228' Measured Depth. Circulated bottoms up and TOH. Laid down directional drilling tools. Made up bit # 3 and TIH to lay down drill string

08-10-2002 TIH to bottom. Washed through bridges at 4031' and 4124'. Circulate bottoms up. POOH & LD 4-1/2" DP, 6-1/4" DC's. and HWDP. RU csg crew and change to 7" rams in BOP. Ran 102 jts (4207.85') of 7", 20#, K-55, 8 rd, ST&C casing. Landed csg @ 4222' KB. Float @ 4175' KB. RU BJ and cement csg as follows. Pumped 10 bbl H<sub>2</sub>O ahead. Lead with 447 sx (929 cu. ft.) of Premium Lite FM 167 bbls of 12.1 ppg slurry w/ 8% gel, 1% CaCl<sub>2</sub> and 1/4 lb/sx Celloflake. Tailed with 235 sx (329 cu. ft.) of Type III 60 bbls 14.5 ppg slurry w/ 1% CaCl<sub>2</sub> and 1/4 lb/sx Celloflake. Displaced plug with 169.2 bbl H<sub>2</sub>O. Bumped plug with 1900 psi. @ 7:15 pm 8-9-02. Plug held ok. Had good returns throughout the job and circulated 69 bbls of cement to surface. WOC (Changing over to air equipment while WOC)

08-11-2002 Strap, PU & TIH w/ 6-1/4" bit, bit sub, 4-3/4" monel DC, 19 each 4-3/4" DC's. Pressure test BOPE to 1500 psi, held ok. Strap & PU 3-1/2" DP. Installed rotating head rubber and unload hole at approx. 2400'. Continued picking up drill string. Tagged top of the cement at 4170' KB. Drill cement, rubber plug and float to 4242' KB. Circulate & blow hole to dry up well. Drill 6-1/4" hole. ROP @ report time approx. 57 fph

08-12-2002 Drill 6-1/4" hole & survey. ROP @ report time is approx. 52 fph

08-13-2002 Drill and survey to TD @ 6388' with bit #4 (6-1/4", HTC, STX09C). Circulate and blow hole clean. Trip for string floats and survey. POOH (Strapped out), RU & log well with Halliburton Wireline Services

08-14-2002 Log well with Halliburton Wireline Services. (6,385' loggers T.D.) First log on bottom @ 0645 hrs. 8-13-02. SLM 6,390', Drillers TD 6388', loggers TD 6385'. Ran High Resolution Induction, Spectral Density, Epithermal Neutron, and Deep Resistivity logs. T.I.H. with D.C.'s and D.P. Trip out and stand 70 stands in the derrick. LD DP and DC's. RU csg crew and run 50 jts (2300.97') of 4-1/2", 10.5#, K-55, 8rd., ST&C csg and 4-1/2" x 7" TIW liner hanger. Run liner in on drill pipe to 7" csg shoe @ 4222' KB. Wait on BJ Services due to a one-vehicle accident on highway 527 near Gobernador. Continued TIH with liner @ 4:00 am to coordinate with estimated time of arrival of bulk cement truck coming out of Farmington. TIH slowly with 4-1/2" liner and drill pipe at report time. BJ cement pump truck on location

08-15-2002 Finished running the liner in the hole on drill pipe. RU cementing swivel & BJ Services equipment. Picked up and set liner hanger. Landed @ 6385' KB. Latch collar @ 6360' KB. Marker joint @ 5774' MD & 5536' TVD. Top of the liner @ 4084' KB. 138' of overlap into the 7". Held safety meeting with all personnel. Cemented casing as follows: Pumped 10 bbls. gel water, 10 bbls. fresh water, 30sx. (95 cu. ft.) 17 bbls. of scavenger slurry @ 11 ppg Premium Lite High Strength FM, 2% KCl<sub>2</sub>, 0.3% CD-32, 1% FL-52. Pumped 50 sx. lead (100 cu. ft.) 15 bbls. of 12.5 ppg Premium Lite High Strength FM, 2% KCl<sub>2</sub>, 0.3% CD-32, 1% FL-52. Tailed with 100 sx. (203 cu. ft.) 32 bbls. of 12.5 ppg Premium Lite High Strength FM, 2% KCl<sub>2</sub>, 0.3% CD-32, 1% FL-52, 1/4 lb. sx. Celloflake, 4% Pheno Seal. Shut down, dropped plug, washed pumps and line. Displaced with 66.5 bbls water. Bumped plug with 1000 psi. Float held. Bled off pressure, set pack off, and circulated out 15 bbls. of cement. LDDP, ND BOPE, rig released at 1500 hrs. 8/14/02

Area 2

8. Land tubing at approximately 6720'. ND BOP and NU single-tubing hanger WH. Pump off expendable check. Obtain final pitot gauge up the tubing. Connect to casing and circulate air to assure that the expendable check has pumped off. If well will not flow on its own, make swab run to seating nipple. **During cleanout operations the reservoir may be charged with air. As a result of excess oxygen levels that may be in the reservoir and/or wellbore, contact the Lease Operator to discuss the need for determining oxygen levels prior to returning the well to production.** RD and MOL. Return well to production.

Recommended: JPM Williams 8/23/02 Approved: Bruce D. Bong 8-26-02  
Operations Engineer Drilling Manager

Jay Paul McWilliams Office: 324-6146  
Cell: 320-2586

Sundry Required: YES / NO

Approved: Jerry Cole 8-27-02  
Regulatory

Lease Operator: Gerald Gonzales  
Specialist: Terry Nelson  
Foreman: Steve Florez

Cell: 320-1667 Pager: 327-8216  
Cell: 320-2503 Pager: 326-8473  
Cell: 320-0029 Pager: 326-8199