

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

RECEIVED

2004 APR 30 PM 5:4

1. Type of Well  
GAS

Lease Number  
NM-0558144

If Indian, All. or  
Tribe Name

2. Name of Operator

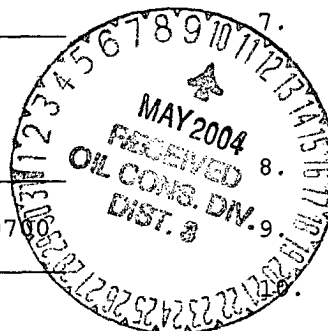
**BURLINGTON**

RESOURCES OIL &amp; GAS COMPANY

Unit Agreement Name

3. Address & Phone No. of Operator

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



8. Well Name & Number

Trail Canyon #104S

9. API Well No.

30-045-31333

4. Location of Well, Footage, Sec., T, R, M

815' FSL, 1620' FEL, Sec. 21, T32N, R8W, NMPM

10. Field and Pool

Basin Fruitland Coal

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

☐ Notice of Intent

☐ Abandonment

☐ Change of Plans

☒ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Final Abandonment

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injection

☒ Other - Cavitate, Set Liner

13. Describe Proposed or Completed Operations

Burlington Resources cavitated this well and set the liner as per the attached operation summary.

ACCEPTED FOR RECORD

MAY 04 2004

FARMINGTON FIELD OFFICE

BY MMJ

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

Signed Tammy Wimsatt Title Regulatory Specialist Date 4/28/04

(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.

NMOC

## Operations Summary Report

Legal Well Name: TRAIL CANYON #104S  
 Common Well Name: TRAIL CANYON #104S  
 Event Name: CAP WORKOVER  
 Contractor Name: AZTEC WELL SERVICE  
 Rig Name: AZTEC

Spud Date: 5/22/2003  
 Start: 10/13/2003 End: 11/8/2003  
 Rig Release: 11/8/2003 Group:  
 Rig Number: 266

| Date       | From - To     | Hours | Code | Sub Code | Phase  | Description of Operations   |
|------------|---------------|-------|------|----------|--------|---|
| 10/14/2003 | 07:00 - 09:30 | 2.50  | RURD | a        | OBJECT | MIRUPU, AZTEC WELL SERVICE, RIG #266.   |
|            | 09:30 - 10:00 | 0.50  | RURD | a        | OBJECT | RU TO PULL RODS.  |
|            | 10:00 - 11:30 | 1.50  | PULD | a        | OBJECT | LD 150 - 3/4" RODS W/ PUMP.   |
|            | 11:30 - 12:00 | 0.50  | RURD | a        | OBJECT | RUN FLOW LINE.  |
|            | 12:00 - 13:15 | 1.25  | NUND | a        | OBJECT | ND WH, NU BOP STACK.  |
|            | 13:15 - 14:30 | 1.25  | RURD | a        | OBJECT | RU 1 - 5" BLOOIE LINE TO PIT.   |
|            | 14:30 - 14:45 | 0.25  | RURD | a        | OBJECT | RU FLOOR.   |
|            | 14:45 - 16:00 | 1.25  | TRIP | a        | OBJECT | POOH & TALLY 123 JTS 2 3/8" TBG, LD BHA.  |
|            | 16:00 - 16:30 | 0.50  | RURD | a        | OBJECT | CHANGE OVER TO 2 7/8".  |
|            | 16:30 - 16:45 | 0.25  | SRIG | a        | OBJECT | CLOSE IN, LOCK RAMS, SDFN.  |
| 10/15/2003 | 07:00 - 07:45 | 0.75  | SRIG | a        | OBJECT | START & SERVICE UNIT.   |
|            | 07:45 - 11:00 | 3.25  | PULD | a        | OBJECT | RU 5 1/2" CSG SPEAR, 4.964" GRAPPLE, PU 2 7/8" AOH DP.  |
|            | 11:00 - 12:00 | 1.00  | FISH | a        | OBJECT | TIE BACK, ENGAGE LINER @ 3438', WORK LINER TO 90,000#, PULL FREE.   |
|            | 12:00 - 13:00 | 1.00  | TRIP | a        | OBJECT | POOH W/ 2 7/8" DP.  |
|            | 13:00 - 13:30 | 0.50  | RURD | a        | OBJECT | RU 5 1/2" TOOLS.  |
|            | 13:30 - 14:30 | 1.00  | PULD | a        | OBJECT | LD BAKER DROP OFF TOOL, LD 13 JTS 5 1/2" LINER, BOTTOM JT W/ 20' OF 1/4" COAL & SHALE.  |
|            | 14:30 - 15:00 | 0.50  | RURD | a        | OBJECT | RD 5 1/2" TOOLS.  |
|            | 15:00 - 15:30 | 0.50  | RURD | a        | OBJECT | RU TO SURGE.  |
|            | 15:30 - 16:00 | 0.50  | SRIG | a        | OBJECT | CLOSE IN, LOCK RAMS, SDFN.  |
|            | 07:00 - 08:45 | 1.75  | SURG | a        | OBJECT | SICP=720 PSI, SURGE TO PIT, RETURNING MOD FINES TO 1/4" COAL FOR 1-2 MIN, LT SPRAY DURING FLOW BACK.  |
| 10/16/2003 | 08:45 - 10:00 | 1.25  | TEST | a        | OBJECT | GAUGE THRU 2.5" ID TBG, 15 MIN @ 4 LBS=1841 MCF, 30 MIN @ 3 LBS=1587 MCF, 45 MIN @ 3 LBS=1587 MCF, 60 MIN @ 3 LBS=1587 MCF, MOD SPRAY, BACK PRESS=11 PSI.                 |
|            | 10:00 - 06:00 | 20.00 | SURG | a        | OBJECT | 10 NATURAL SURGES F/ SURFACE, ONE HOUR SHUT IN PRESS @ 680 PSI, RETURNING MOD TO LT FINES TO 1/4" COAL FOR 1-2 MIN AFTER SURGE, LT SPRAY DURING FLOW BACK.                |
| 10/17/2003 | 06:00 - 06:00 | 24.00 | SURG | a        | OBJECT | 11 NATURAL SURGES F/ SURFACE, ONE HOUR SHUT IN PRESS @ 670 PSI, RETURNING HEAVY 1/4" - 1" COAL & SHALE, 80% COAL, 5-6 MIN COAL RUNS AFTER SURGE, MOD SPRAY.               |
|            |               |       |      |          |        | 3 SURGES W/ AIR, INJ 1-2 BBL MIST, PRESS & SURGE @ 750 PSI, RETURNING HEAVY TO MOD 1" COAL, 80% COAL, 5-6 MIN COAL RUNS AFTER SURGE.                                      |
| 10/18/2003 | 06:00 - 06:00 | 24.00 | SURG | a        | OBJECT | 10 NATURAL SURGES F/ SURFACE, ONE HOUR SHUT IN PRESS @ 660 PSI, RETURNING HEAVY FINES TO 1" COAL & SHALE, 80% COAL, 4-5 MIN COAL RUNS AFTER SURGE.                        |
|            |               |       |      |          |        | 3 AIR SURGES, INJ 1-2 BBL MIST, PRESS & SURGE @ 740 PSI, RETURNING HEAVY 1" COAL FOR 5-6 MIN AFTER SURGE.   |
| 10/19/2003 | 06:00 - 06:00 | 24.00 | SURG | a        | OBJECT | 10 NATURAL SURGES F/ SURFACE, ONE HOUR SHUT IN PRESS @ 650 PSI, RETURNING HEAVY 1" COAL & SHALE, 80% COAL, 4-5 MIN COAL RUNS AFTER SURGE.                                 |
|            |               |       |      |          |        | 3 AIR SURGES @ 740 PSI, RETURNING HEAVY TO MOD 1" COAL, 3-4 MIN COAL RUNS AFTER SURGE, MOD SPRAY DURING FLOW BACK.  |
| 10/20/2003 | 06:00 - 06:00 | 24.00 | SURG | a        | OBJECT | 7 NATURAL SURGES F/ SURFACE, ONE HOUR SHUT IN PRESS @ 650 PSI, RETURNING HEAVY 1/2" COAL & SHALE, 80% COAL, 4-5 MN COAL RUNS AFTER SURGE, FLOWING FINES DURING FLOW BACK. |
|            |               |       |      |          |        | 5 SURGES W/ AIR, INJ 1-2 BBL MIST, PRESS & SURGE @ 780 PSI, RETURNING HEAVY TO MOD 1/2" COAL FOR 3-4 MIN AFTER SURGE, FLOWING 1/2" STREAM OF BLACK WATER W/ FINES         |

## Operations Summary Report

Legal Well Name: TRAIL CANYON #104S  
 Common Well Name: TRAIL CANYON #104S  
 Event Name: CAP WORKOVER  
 Contractor Name: AZTEC WELL SERVICE  
 Rig Name: AZTEC

Spud Date: 5/22/2003  
 Start: 10/13/2003 End: 11/8/2003  
 Rig Release: 11/8/2003 Group:  
 Rig Number: 266

| Date       | From - To     | Hours | Code | Sub Code | Phase  | Description of Operations  |
|------------|---------------|-------|------|----------|--------|--|
| 10/20/2003 | 06:00 - 06:00 | 24.00 | SURG | a        | OBJECT | DURING BLOW BACK.  |
| 10/21/2003 | 06:00 - 07:00 | 1.00  | SURG | a        | OBJECT | FLOWING BACK AFTER SURGE.  |
|            | 07:00 - 07:30 | 0.50  | PULD | a        | OBJECT | RAN 6 1/4" BIT, PU 15 - 3 1/2" DC'S.   |
|            | 07:30 - 08:15 | 0.75  | TRIP | a        | OBJECT | TIH W/ 2 7/8" DP.  |
|            | 08:15 - 08:45 | 0.50  | RURD | a        | OBJECT | RU POWER SWIVEL, CIRC W/ AIR & FOAM.   |
|            | 08:45 - 12:30 | 3.75  | CIRC | a        | OBJECT | CO MULTIPLE BRIDGES F/ 3855' TO 3855', RETURNING HEAVY 1/2" COAL & SHALE.  |
|            | 12:30 - 13:45 | 1.25  | TRIP | a        | OBJECT | POOH, RU TO SURGE.   |
|            | 13:45 - 14:45 | 1.00  | TEST | a        | OBJECT | GAUGE THRU 2.5" ID TBG, 15 MIN @ 5 LBS=2047 MCF, 30 MIN @ 4.5 LBS=1943 MCF, 45 MIN @ 4 LBS=1841 MCF, 60 MIN @ 4 LBS=1841 MCF, LT SPRAY, BACK PRESS @ 12 PSI.                                   |
|            | 14:45 - 06:00 | 15.25 | SURG | a        | OBJECT | 8 NATURAL SURGES @ 620 PSI, RETURNING HEAVY FINES TO 1/2" COAL COAL, 80% COAL, 5-6 MIN COAL RUNS AFTER SURGE, FLOWING 1/2" STREAM OF BLACK WATER W/ FINES DURING FLOW BACK.                    |
| 10/22/2003 | 06:00 - 06:00 | 24.00 | SURG | a        | OBJECT | 9 NATURAL SURGES F/ SURFACE, ONE HOUR SHUT IN PRESS @ 650 PSI, RETURNING HEAVY 1" COAL & SHALE, 80% COAL, 4-5 MIN COAL RUNS AFTER SURGE.   |
|            |               |       |      |          |        | 5 SURGES W/ AIR, INJ 1-2 BBL MIST, PRESS & SURGE @ 720 PSI, RETURNING HEAVY TO MOD 1" COAL, 3-5 MIN COAL RUNS AFTER SURGE, FLOWING 1/2" STREAM OF BLACK WATER W/ HEAVY FINES DURING FLOW BACK. |
| 10/23/2003 | 06:00 - 07:15 | 1.25  | SURG | a        | OBJECT | FLOWING BACK AFTER SURGE.  |
|            | 07:15 - 08:15 | 1.00  | TRIP | a        | OBJECT | TIH W/ 6 1/4" BIT, 15 - 3 1/2" DC'S, ON 2 7/8" DP.   |
|            | 08:15 - 08:45 | 0.50  | RURD | a        | OBJECT | RU POWER SWIVEL, CIRC W/ AIR & FOAM.   |
|            | 08:45 - 12:30 | 3.75  | CIRC | a        | OBJECT | CIRC & CO TO 3855', RETURNING HEAVY 1/2" COAL & SHALE.   |
|            | 12:30 - 13:30 | 1.00  | TRIP | a        | OBJECT | POOH, RU TO SURGE.   |
|            | 13:30 - 14:30 | 1.00  | TEST | a        | OBJECT | GAUGE THRU 2.5" ID TBG, 15 MIN @ 6 LBS=2264 MCF, 30 MIN @ 5.5 LBS=2167 MCF, 45 IN @ 5 LBS=2047 MCF, 60 MIN @ 5 LBS=2047 MCF, MOD SPRAY, BACK PRESS=14 PSI.                                     |
|            | 14:30 - 06:00 | 15.50 | SURG | a        | OBJECT | 6 NATURAL SURGES @ 630 PSI, RETURNING HEAVY 1" COAL & SHALE, 80% COAL, 8-10 MIN COAL RUNS AFTER SURGE.   |
|            |               |       |      |          |        | 2 SURGES W/ AIR, IN 1-2 BBL MIST, PRESS & SURGE @ 740 PSI, RETURNING HEAVY 1" COAL FOR 7-8 MIN, FLOWING 1/2" STREAM OF BLACK WATER W/ FINES DURING FLOW BACK.                                  |
| 10/24/2003 | 06:00 - 06:00 | 24.00 | SURG | a        | OBJECT | 7 NATURAL SURGES F/ SURFACE, ONE HOUR SHUT IN PRESS @ 630 SPI, RETURNING HEAVY FINES TO 1/2" COAL & SHALE, 80% COAL, 8-10 MIN COAL RUNS AFTER SURGE.   |
|            |               |       |      |          |        | 6 SURGES W/ AIR, INJ 1-2 BBL MIST, PRESS & SURGE @ 720 PSI, RETURNING HEAVY 1/2" COAL FOR 5-6 MIN AFTER SURGE, FLOWING 1/2" STREAM OF BLACK WATER W/ FINES DURING FLOW BACK.                   |
| 10/25/2003 | 06:00 - 06:00 | 24.00 | SURG | a        | OBJECT | 8 NATURAL SURGES F/ SURFACE, ONE HOUR SHUT IN PRESS @ 630 PSI, RETURNING HEAVY 1/2" COAL & SHALE, 80% COAL, 10 MIN COAL RUNS AFTER SURGE, 15-20 MIN MOD FINES.                                 |
|            |               |       |      |          |        | 4 SURGES W/ AIR, INJ 1-2 BBL MIST, PRESS & SURGE @ 720 PSI, RETURNING HEAVY FINES TO 1/2" COAL FOR 5-6 MIN, FLOWING 1/2" STREAM OF BLACK WATER W/ FINES DURING FLOW BACK.                      |
| 10/26/2003 | 06:00 - 06:00 | 24.00 | SURG | a        | OBJECT | 7 NATURAL SURGES F/ SURFACE @ 600 PSI, RETURNING HEAVY 1" COAL & SHALE, 80% COAL, 10-12 MIN COAL RUNS AFTER SURGE.   |
|            |               |       |      |          |        | 4 SURGES W/ AIR, INJ 1-2 BBL MIST, PRESS TO 400 PSI, INJ 1 BBL   |

## Operations Summary Report

Legal Well Name: TRAIL CANYON #104S  
 Common Well Name: TRAIL CANYON #104S  
 Event Name: CAP WORKOVER  
 Contractor Name: AZTEC WELL SERVICE  
 Rig Name: AZTEC

Spud Date: 5/22/2003  
 Start: 10/13/2003 End: 11/8/2003  
 Rig Release: 11/8/2003 Group:  
 Rig Number: 266

| Date       | From - To     | Hours | Code | Sub Code | Phase  | Description of Operations  |
|------------|---------------|-------|------|----------|--------|--|
| 10/26/2003 | 06:00 - 06:00 | 24.00 | SURG | a        | OBJECT | MIST, PRESS TO 680 PSI, RETURNING HEAVY 1/2" COAL FOR 5-6 MIN, FLOWING 1/2" STREAM OF BLACK WATER DURING FLOW BACK.  |
| 10/27/2003 | 06:00 - 07:00 | 1.00  | SURG | a        | OBJECT | FLOWING BACK AFTER SURGE.  |
|            | 07:00 - 08:00 | 1.00  | TEST | a        | OBJECT | GAUGE THRU 2.5" ID TBG, 15 MIN @ 7.5 LBS=2536 MCF, 30 MIN @ 7 LBS=2449 MCF, 45 MIN @ 6.6 LBS=2359 MCF, 60 MIN @ 6.5 LBS=2359 MCF, MOD SPRAY W/ FINES, BACK PRESS=15.5 LBS.   |
|            | 08:00 - 06:00 | 22.00 | SURG | a        | OBJECT | 5 NATURAL SURGES F/ SURFACE @ 600 PSI, RETURNING HEAVY 1" COAL & SHALE, 80% COAL, 10-12 MIN COAL RUNS AFTER SURGE.<br>8 SURGES W/ AIR, INJ 1-2 BBL MIST, PRESS TO 400 PSI, INJ 2 BBL MIST, PRESS & SURGE @ 700 PSI, RETURNING HEAVY FINES TO 1/2" COAL, 7-8 MIN COAL RUNS, FLOWING 1/2" STREAM OF BLACK WATER W/ FINES DURING FLOW BACK. |
| 10/28/2003 | 06:00 - 09:00 | 3.00  | SURG | a        | OBJECT | 2 NATURAL SURGES @ 600 PSI, RETURNING HEAVY 1" COAL & SHALE, 80% COAL, 8-10 MIN COAL RUNS AFTER SURGE, FLOWING 1/2" BLACK WATER DURING FLOW BACK.  |
|            | 09:00 - 10:15 | 1.25  | TRIP | a        | OBJECT | TIH W/ 6 1/4" BIT, 6 1/4" STRING MILL, 15 - 3 1/2" DC'S, ON 2 7/8" DP.   |
|            | 10:15 - 10:45 | 0.50  | RURD | a        | OBJECT | RU POWER SWIVEL, CIRC W/ AIR & FOAM.   |
|            | 10:45 - 16:00 | 5.25  | CIRC | a        | OBJECT | CIRC & CO F/ 7" CSG @ 3473' TO 3708', RETURNING HEAVY 1/2" COAL & SHALE.   |
| 10/29/2003 | 16:00 - 16:30 | 0.50  | TRIP | a        | OBJECT | PUIC W/ BIT & STRING MILL.   |
|            | 16:30 - 17:00 | 0.50  | SRIG | a        | OBJECT | CLOSE IN, LOCK RAMS, SDFN.   |
|            | 06:00 - 08:00 | 2.00  | SAFE | a        | OBJECT | AZTEC WELL SERVICE SAFTEY MEETING.   |
|            | 08:00 - 08:30 | 0.50  | SRIG | a        | OBJECT | START & SERVICE UNIT.  |
|            | 08:30 - 08:45 | 0.25  | TRIP | a        | OBJECT | GIH W/ BIT & STRING MILL.  |
|            | 08:45 - 14:30 | 5.75  | CIRC | a        | OBJECT | R&R THRU OPEN HOLE F/ 3473' TO 3725', RETURNING HEAVY 1/2" COAL & SHALE, 80% COAL.   |
|            | 14:30 - 15:45 | 1.25  | TRIP | a        | OBJECT | POOH W/ BIT & STRING MILL.   |
| 10/30/2003 | 15:45 - 16:45 | 1.00  | TEST | a        | OBJECT | GAUGE THRU 2.5" ID TBG, 15 MIN @ 10 LBS=2902 MCF, 30 MIIN @ 9.5 LBS=2857 MCF, 45 MIN @ 9 LBS=2779 MCF, 60 MIN @ 9 LBS=2779 MCF, MOD SPRAY, BACK PRESS=17 PSI.  |
|            | 16:45 - 17:00 | 0.25  | SRIG | a        | OBJECT | CLOSE IN, LOCK RAMS, SDFN.   |
|            | 07:00 - 07:30 | 0.50  | SRIG | a        | OBJECT | START & SERVICE UNIT.  |
|            | 07:30 - 08:30 | 1.00  | TRIP | a        | OBJECT | TIH W/ 6 1/4" BIT, 15 - 3 1/2" DC'S, ON 2 7/8" DP.   |
|            | 08:30 - 09:00 | 0.50  | RURD | a        | OBJECT | RU POWER SWIVEL, CIRC W/ AIR & FOAM.   |
|            | 09:00 - 14:00 | 5.00  | CIRC | a        | OBJECT | CIRC & CO TO 3725', RETURNING HEAVY 1/2" COAL & SHALE.   |
|            | 14:00 - 15:00 | 1.00  | TRIP | a        | OBJECT | POOH W/ BIT, RU TO SURGE.  |
|            | 15:00 - 06:00 | 15.00 | SURG | a        | OBJECT | 7 NATURAL SURGES @ 590 PSI, RETURNING HEAVY 1/2" COAL & SHALE, 80% COAL, 7-8 MIN COAL RUNS AFTER SURGE.  |
|            |               |       |      |          |        | 3 SURGES W/ AIR, INJ 1-2 BBL MIST, PRESS TO 400 PSI, INJ 2 BBL MIST, PRESS & SURGE @ 680 PSI, RETURNING FINES TO 1/2" COAL FOR 5-6 MIN, FLOWING 1/2" STREM OF BLACK WATER W/ FINES DURING FLOW BACK.   |
| 10/31/2003 | 06:00 - 07:00 | 1.00  | SURG | a        | OBJECT | FLOWING BACK AFTER SURGE.  |
|            | 07:00 - 08:00 | 1.00  | TRIP | a        | OBJECT | TIH W/ 6 1/4" BIT, 15 - 3 1/2" DC'S, ON 2 7/8" DP.   |
|            | 08:00 - 08:30 | 0.50  | RURD | a        | OBJECT | RU POWER SWIVEL, CIRC W/ AIR & FOAM.   |
|            | 08:30 - 13:00 | 4.50  | CIRC | a        | OBJECT | CIRC & CO TO 3725', RETURNING HEAVY 1/2" COAL & SHALE.   |
|            | 13:00 - 14:00 | 1.00  | TRIP | a        | OBJECT | POOH W/ BIT, RU TO SURGE.  |
|            | 14:00 - 06:00 | 16.00 | SURG | a        | OBJECT | 5 NATURAL SURGES @ 550 PSI, RETURNING HEAVY TO MOD FINES TO 1/2" COAL FOR 5-6 MIN AFTER SURGE.<br>6 SURGES W/ AIR, INJ 1-2 BBL MIST, PRESS TO 400 PSI, INJ 2 BBL MIST, PRESS & SURGE @ 650 PSI, RETURNING HEAVY 1/2" COAL  |

## Operations Summary Report

Legal Well Name: TRAIL CANYON #104S  
 Common Well Name: TRAIL CANYON #104S  
 Event Name: CAP WORKOVER  
 Contractor Name: AZTEC WELL SERVICE  
 Rig Name: AZTEC

Start: 10/13/2003 Spud Date: 5/22/2003  
 Rig Release: 11/8/2003 End: 11/8/2003  
 Rig Number: 266 Group:

| Date       | From - To     | Hours | Code | Sub Code | Phase  | Description of Operations   |
|------------|---------------|-------|------|----------|--------|---|
| 10/31/2003 | 14:00 - 06:00 | 16.00 | SURG | a        | OBJECT | & SHALE, 80% COAL, 15 MIN COAL RUNS AFTER SURGE.  |
| 11/1/2003  | 06:00 - 06:00 | 24.00 | SURG | a        | OBJECT | 7 SURGES W/ AIR, INJ 1-2 BBL MIST, PRESS TO 400 PSI, INJ 2 BBL MIST, PRESS & SURGE @ 650 PSI, RETURNING HEAVY 1/2" COAL & SHALE, 80% COAL, 12-15 MIN COAL RUNS AFTER SURGE, HEAVY FORMATION WATER.      |
| 11/2/2003  | 06:00 - 06:00 | 24.00 | SURG | a        | OBJECT | 5 NATURAL SURGES, ONE HOUR SHUT IN PRESS @ 560 PSI, RETURNING HEAVY TO MOD FINES TO 1/2" COAL, 5-6 MIN COAL RUNS.   |
| 11/3/2003  | 06:00 - 07:00 | 1.00  | SURG | a        | OBJECT | 7 SURGES F/ SURFACE W/ AIR, INJ 1-2 BBL MIST, PRESS TO 400 PSI, INJ 2 BBL MIST, PRESS & SURGE @ 640 PSI, RETURNING HEAVY 1/4" COAL, 7-8 MIN COAL RUNS AFTER SURGE W/ HEAVY FORMATION WATER.             |
|            | 07:00 - 08:00 | 1.00  | TEST | a        | OBJECT | 5 NATURAL SURGES, ONE HOUR SHUT IN PRESS @ 550 PSI, RETURNING MOD FINES TO 1/4" COAL FOR 3-4 MIN W/ HEAVY SPRAY.  |
|            | 08:00 - 17:00 | 9.00  | SURG | a        | OBJECT | FLOWING BACK AFTER SURGE.<br>GAUGE THRU 2.5" ID TBG, 15 IN @ 11 LBS=3038 MCF, 30 MIN @ 10 LBS=2902 MCF, 45 MIN @ 2902 MCF, 60 MIN @ 10 LBS=2902 MCF, MOD SPRAY W/ FINES DURING TEST, BACK PRESS=20 PSI. |
| 11/4/2003  | 17:00 - 17:15 | 0.25  | SRIG | a        | OBJECT | 3 SURGES W/ AIR, INJ 1-2 BBL MIST, PRESS TO 400 PSI, INJ 2 BBL MIST, PRESS & SURGE @ 630 PSI, RETURNING HEAVY FINES TO 1/4" COAL FOR 6-7 MIN AFTER SURGE, 80% COAL, HEAVY FORMATION WATER.              |
|            | 07:00 - 07:30 | 0.50  | SRIG | a        | OBJECT | 3 NATURAL SURGES, ONE HOUR SHUT IN PRESS @ 530 PSI, RETURNING MOD FINES TO 1/4" COAL FOR 3-4 MIN W/ HEAVY SPRAY.  |
|            | 07:30 - 07:45 | 0.25  | FLOW | a        | OBJECT | CLOSE IN, LOCK RAMS, SDFN.  |
|            | 07:45 - 08:45 | 1.00  | TRIP | a        | OBJECT | START & SERVICE UNIT.   |
|            | 08:45 - 09:15 | 0.50  | RURD | a        | OBJECT | SCIP=700 PSI, BLOW DOWN TO BIT.   |
|            | 09:15 - 15:45 | 6.50  | CIRC | a        | OBJECT | TIH W/ 6 1/4" BIT, 15 - 3 1/2" DC'S, ON 2 7/8" DP.  |
|            | 15:45 - 16:00 | 0.25  | TRIP | a        | OBJECT | RU POWER SWIVEL, CIRC W/ AIR & FOAM.  |
|            | 16:00 - 17:00 | 1.00  | TEST | a        | OBJECT | R&R THRU OPEN HOLE, WORK BRIDGE @ 3635', CO TO 3830', RETURNING HEAVY TO MOD 1/2" COAL & SHALE.   |
| 11/5/2003  | 17:00 - 17:15 | 0.25  | SRIG | a        | OBJECT | PUIC W/ BIT.  |
|            | 07:00 - 07:30 | 0.50  | SRIG | a        | OBJECT | GAUGE THRU 2.5" ID TBG, 15 MIN @ 10 LBS=2902 MCF, 30 MIN @ 10.5 LBS=2967 MCF, 45 MIN @ 11 LBS=3038 MCF, 60 MIN @ 11 LBS=3038 MCF, HEAVY TO MOD SPRAY, BACK PRESS=21 PSI.                                |
|            | 07:30 - 08:00 | 0.50  | FLOW | a        | OBJECT | CLOSE IN, LOCK RAMS, SDFN.  |
|            | 08:00 - 08:15 | 0.25  | TRIP | a        | OBJECT | START & SERVICE UNIT.   |
|            | 08:15 - 10:00 | 1.75  | CIRC | a        | OBJECT | SICP=700 SI, BLOW DOWN TO PIT.  |
|            | 10:00 - 11:00 | 1.00  | TRIP | a        | OBJECT | GIH W/ 6 1/4" BIT, CIRC W/ AIR & FOAM.  |
|            | 11:00 - 12:00 | 1.00  | TEST | a        | OBJECT | WORK & CO BRIDGE @ 3677', CO TO TD @ 3913', RETURNING MOD TO LT 1/4" COAL.  |
|            | 12:00 - 13:15 | 1.25  | TRIP | a        | OBJECT | POOH W/ BIT.  |
|            | 13:15 - 13:45 | 0.50  | RURD | a        | OBJECT | GAUGE THRU 2.5" ID TBG, ALL GAUGES @ 14 LBS=3466 MCF, HEAVY TO MOD SPRAY, BACK PRESS @ 25 PSI.  |
|            | 13:45 - 16:00 | 2.25  | CIRC | a        | OBJECT | TIH W/ 6 1/4" BIT, 6 1/4" STRING MILL, 15 - 3 1/2" DC'S, ON 2 7/8" DP.  |
| 11/6/2003  | 16:00 - 16:30 | 0.50  | TRIP | a        | OBJECT | RU POWER SWIVEL, CIRC W/ AIR & FOAM.  |
|            | 16:30 - 17:00 | 0.50  | SRIG | a        | OBJECT | R&R THRU OPEN HOLE, CO TO 3708', RETURNING MOD 1/2" COAL & SHALE.   |
|            | 07:00 - 07:30 | 0.50  | SRIG | a        | OBJECT | PUIC W/ BIT & STRING MILL.  |
|            |               |       |      |          | OBJECT | CLOSE IN, LOCK RAMS, DRAIN DOWN, SDFN.  |
|            |               |       |      |          | OBJECT | START & SERVICE UNIT.   |

## Operations Summary Report

Legal Well Name: TRAIL CANYON #104S  
 Common Well Name: TRAIL CANYON #104S  
 Event Name: CAP WORKOVER  
 Contractor Name: AZTEC WELL SERVICE  
 Rig Name: AZTEC

Spud Date: 5/22/2003  
 Start: 10/13/2003 End: 11/8/2003  
 Rig Release: 11/8/2003 Group:  
 Rig Number: 266

| Date      | From - To     | Hours | Code | Sub Code | Phase  | Description of Operations   |
|-----------|---------------|-------|------|----------|--------|---|
| 11/6/2003 | 07:30 - 08:00 | 0.50  | FLOW | a        | OBJECT | SICP=700 PSI, BLOW DOWN TO PIT.   |
|           | 08:00 - 08:30 | 0.50  | TRIP | a        | OBJECT | GIH W/ 6 1/4" BIT & STRING MILL, CIRC W/ AIR & FOAM.  |
|           | 08:30 - 16:00 | 7.50  | CIRC | a        | OBJECT | WORK & CO BRIDGE @ 3677', CIRC & CO TO 3755', RETURNING HEAVY FINES TO 1/4" COAL & SHALE, 60% SHALE.  |
| 11/7/2003 | 16:00 - 16:30 | 0.50  | TRIP | a        | OBJECT | PUIC W/ BIT & STRING MILL, NO DRAG.   |
|           | 16:30 - 17:00 | 0.50  | SRIG | a        | OBJECT | CLOSE IN, LOCK RAMS, DRAIN DOWN, SDFN.  |
|           | 07:00 - 07:30 | 0.50  | SRIG | a        | OBJECT | START & SERVICE UNIT.   |
|           | 07:30 - 07:45 | 0.25  | FLOW | a        | OBJECT | SICP=700 PSI, BLOW DOWN TO PIT.   |
|           | 07:45 - 08:00 | 0.25  | TRIP | a        | OBJECT | GIH W/ 6 1/4" BIT & STRING MILL, CIRC W/ AIR & FOAM.  |
|           | 08:00 - 13:30 | 5.50  | CIRC | a        | OBJECT | WOKR TIGHT HOLE @ 3703' & 3735', CO TO TD @ 3913', RETURNING MOD TO LT FINES.   |
|           | 13:30 - 14:30 | 1.00  | TRIP | a        | OBJECT | POOH W/ DP.   |
|           | 14:30 - 15:00 | 0.50  | PULD | a        | OBJECT | LD 3 1/2" DC'S.   |
|           | 15:00 - 15:15 | 0.25  | RURD | a        | OBJECT | CHANGE OVER TO 5 1/2".  |
|           | 15:15 - 15:45 | 0.50  | PULD | a        | OBJECT | RAN 6 1/8" MILL SHOE, (W/ 1.81" ALUM PO PLUG), 13 JTS 5 1/2" 15.5# K-55 LT&C LINER, 5 1/2" DROP OFF TOOL.   |
| 11/8/2003 | 15:45 - 16:00 | 0.25  | RURD | a        | OBJECT | CHANGE OVER TO 2 7/8".  |
|           | 16:00 - 17:00 | 1.00  | TRIP | a        | OBJECT | TIH W/ 2 7/8" DP, NO HOLE PROBLEMS.   |
|           | 17:00 - 17:30 | 0.50  | RURD | a        | OBJECT | RU POWER SWIVEL, PUMP ALUMINUM PO PLUG W/ AIR.  |
|           | 17:30 - 17:45 | 0.25  | PCKR | a        | OBJECT | RELEASE DROP OFF TOOL, SET LINER @ 3913', LINER TOP @ 3444', PERFS F/ 3532'-3639', 3660'-3703', 3744'-65', & 3787'-3830', 2 HPF.  |
|           | 17:45 - 18:00 | 0.25  | RURD | a        | OBJECT | RD SWIVEL, LD 2 JTS DP.   |
|           | 18:00 - 18:30 | 0.50  | SRIG | a        | OBJECT | CLOSE IN, LOCK RAMS, DRAIN DOWN, SDFN.  |
|           | 07:00 - 07:30 | 0.50  | SRIG | a        | OBJECT | START & SERVICE UNIT.   |
|           | 07:30 - 08:00 | 0.50  | FLOW | a        | OBJECT | SICP=690 PSI, BLOW DOWN TO PIT.   |
|           | 08:00 - 10:45 | 2.75  | PULD | a        | OBJECT | LD 2 7/8" DP & SETTING TOOL.  |
|           | 10:45 - 11:15 | 0.50  | RURD | a        | OBJECT | CHANGE OVER TO 2 3/8".  |
| 11/9/2003 | 11:15 - 12:00 | 0.75  | TRIP | a        | OBJECT | TIH W/ 4 3/4" PERF MILL, ON 2 3/8" TBG.   |
|           | 12:00 - 12:30 | 0.50  | RURD | a        | OBJECT | RU POWER SWIVEL, CIRC W/ AIR & FOAM.  |
|           | 12:30 - 13:30 | 1.00  | MILL | a        | OBJECT | MILL ALUMINUM PLUGS F/ 3532'-3639', 3660'-3703', 3744'-65', & 3787'-3830', CO TO PBTD @ 3910'.  |
|           | 13:30 - 14:30 | 1.00  | TRIP | a        | OBJECT | POOH W/ MILL.   |
|           | 14:30 - 15:30 | 1.00  | TRIP | a        | OBJECT | TIH W/ 2 3/8" BULL PLUG, 1- 2 3/8" X 6' TBG SUB, 2 3/8" GAS SEPARATOR, 2 - 2 3/8" X 8' TBG SUBS, SN (1.78" ID), 123 JTS 2 3/8" 4.7# J-55 EUE 8RD TBG.                             |
|           | 15:30 - 16:00 | 0.50  | WIRE | a        | OBJECT | RAN 2 3/8" TBG BROCH.   |
|           | 16:00 - 16:15 | 0.25  | NUND | a        | OBJECT | LAND DONUT, TBG SET @ 3877', SN @ 3859'.  |
|           | 16:15 - 17:00 | 0.75  | NUND | a        | OBJECT | ND BOP, NU B-1 WH.  |
|           | 17:00 - 17:30 | 0.50  | SRIG | a        | OBJECT | CLOSE IN, DRAIN DOWN, SDFN.   |
|           | 07:00 - 07:30 | 0.50  | SRIG | a        | OBJECT | START & SERVICE UNIT.   |
| 11/9/2003 | 07:30 - 08:30 | 1.00  | FLOW | a        | OBJECT | SICP=710 PSI, BLOW DOWN TO PIT THRU FLOW LINE.  |
|           | 08:30 - 10:45 | 2.25  | PULD | a        | OBJECT | RAN 2" X 1 1/4" X 10' X 14' RHAC-Z PUMP, 4 - 1 1/4" SINKER BARS, 149 - 3/4" SUCKER RODS, 1 - 8' PONY ROD, 1 - 6' PONY ROD, 22' POLISH ROD W/ 10' LINER, SPACE OUT ON DOWN STROKE. |
|           | 10:45 - 11:30 | 0.75  | PRES | a        | OBJECT | LOAD TBG W/ 14 BBL COAL WATER, PRESS TO 500 PSI, TEST OK, CHECK PUMP ACTION.  |
|           | 11:30 - 12:30 | 1.00  | TEST | a        | OBJECT | GAUGE THRU 2.5" ID TBG, 15 MIN @ 20 LBS=4266 MCF, 30 MIN @ 18 LBS=3999 MCF, 45 MIN @ 19 LBS=3999 MCF, 60 MIN @ 19 LBS=3999 MCF, MOD SPRAY, BACK PRESS=30 PSI.                     |
|           | 12:30 - 13:30 | 1.00  | RURD | a        | OBJECT | RU PRODUCTION LINES.  |
|           | 13:30 - 15:30 | 2.00  | RURD | a        | OBJECT | RIG DOWN, RELEASE UNIT.<br>*NO CHANGE IN TBG STRING.  |