

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

Sundry Notices and Reports on Wells

2004 APR 30 PM 1:42

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

1650' FSL, 1550' FEL, Sec.15, T28N, R10W, NMPM

5. Lease Number

NMSF-080781

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number

Cain #6

9. API Well No.

30-045-07447

10. Field and Pool

Aztec Pictured Cliffs

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 - Stimulated the pictured cliffs

13. Describe Proposed or Completed Operations

Burlington Resources stimulated the Pictured Cliffs formation as per the attached operations summary.

ACCEPTED FOR RECORD

MAY 05 2004

FARMINGTON FIELD OFFICE

BY MS

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.

NMOCD

Operations Summary Report

Legal Well Name: CAIN #6
 Common Well Name: CAIN #6
 Event Name: CAP WORKOVER
 Contractor Name: AZTEC WELL SERVICE
 Rig Name: AZTEC

Start: 3/12/2004
 Rig Release: 3/22/2004
 Rig Number: 521

Spud Date: 10/7/1959
 End: 3/22/2004
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/13/2004	15:00 - 16:00	1.00	MIMO	a	OBJECT	ROAD RIG TO CAIN 6, SPOT RIG & EQUIPMENT
	16:00 - 18:00	2.00	RURD	a	OBJECT	RU RIG & EQUIPMENT, SDFN
3/16/2004	06:00 - 06:30	0.50	MIMO	a	OBJECT	CREW TRAVEL TO LOCATION, SERVICE & START RIG
	06:30 - 07:00	0.50	SAFE	a	OBJECT	HSM. TOPIC: SHUT-IN PIPELINE & BLEEDING DOWN WELL HEAD
	07:00 - 08:15	1.25	NUND	a	OBJECT	SITP 60 PSI, SICP 140 PSI, BRADENHEAD OPEN, LAY BLOW LINE TO PIT, ND WH, NU BOP, RU FLOOR, UNSEAT TBG HANGER
	08:15 - 09:30	1.25	TRIP	a	OBJECT	TOOH & LD 81 JTS & 1 PERFORATED JT 1" TBG
	09:30 - 10:00	0.50	NUND	a	OBJECT	CHANGE OVER TO 2.375" HANDLING TOOLS, SPOT TRAILER W NEW 2.375" TBG
	10:00 - 10:45	0.75	TRIP	a	OBJECT	TALLY, RABBIT & TIH W 4 1/2" RBP ON 66 JTS 2.375" TBG, TAG FILL @ 2057', 35' FILL & 23' OF PERFORATIONS COVERED, PU & SET RBP @ 2020'
	10:45 - 11:00	0.25	PUMP	a	OBJECT	LOAD CSG W 30 BBLS 2% KCL
	11:00 - 11:15	0.25	PCKR	a	OBJECT	PU & TIH W 4 1/2" PACKER, SET @ 30'
	11:15 - 11:45	0.50	TEST	a	OBJECT	PRESSURE TEST CSG TO 2500 PSI, TEST OK
	11:45 - 12:45	1.00	TRIP	a	OBJECT	TOOH & LD PACKER & RBP
	12:45 - 13:15	0.50	TRIP	a	OBJECT	TIH W 3.875" BIT TO FILL @ 2057'
	13:15 - 15:00	1.75	COUT	a	OBJECT	CO TO PBTD W 1250 CFM AIR & 5 BPH MIST
	15:00 - 16:00	1.00	TRIP	a	OBJECT	TOOH W BIT ASSY
	16:00 - 17:00	1.00	NUND	a	OBJECT	TIH & SET PACKER @ 25', NU FRAC MANDREL, FRAC VALVE & FRAC Y, SECURE LOCATION, SDFN
3/17/2004	06:00 - 06:30	0.50	MIMO	a	OBJECT	CREW TRAVEL TO LOCATION, SERVICE & START RIG, DOWELL ON LOCATION RIGGING UP
	06:30 - 06:45	0.25	SAFE	a	OBJECT	HSM. TOPIC: WORKING W FRAC CREWS DURING RIG UP OPERATIONS
	06:45 - 07:00	0.25	RURD	a	OBJECT	COMPLETE DOWELL RU
	07:00 - 07:15	0.25	SAFE	a	OBJECT	HOLD SAFETY MEETING W 20 PEOPLE, DISCUSS SAFETY REGULATIONS, REVIEW EMERGENCY RESPONSE
	07:15 - 08:00	0.75	STIM	a	OBJECT	RESTIM PICURED CLIFF W 20# LINEAR & 70% N2 FOAM
						FRAC LOAD 301 BBLS, FLUSH 9 BBLS, TOTAL LOAD 310 BBLS
						FLUSH 8,900 SCF, TOTAL N2 348,900 SCF, 100,000# BRADY
						MAX 2095 PSI, MIN 1180 PSI, AVE 1950 PSI
						MAX RATE 45, MIN RATE 40, AVE RATE 43
						ISIP 1260 PSI
	08:00 - 09:15	1.25	RURD	a	OBJECT	RD DOWELL, RU FLOW BACK LINES
	09:15 - 13:00	3.75	FLOW	a	OBJECT	0915 HRS, SHUT IN WELLHEAD 800 PSI, OPEN ON 10/64 CHOKE
						0930 HRS, 510 PSI, LITE MIST, CHANGE TO 16/64 CHOKE
						0945 HRS, 500 PSI, MOD MIST, NO SD, CHANGE TO 20/64 CHOKE
						1000 HRS, 440 PSI, HEAVY MIST, NO SD, CHANGE 22/64 CHOKE
						1015 HRS, 390 PSI, HEAVY NIST, NO SD, CHANGE 24/64 CHOKE
						1030 HRS, 320 PSI, HEAVY NIST, NO SD, CHANGE 28/64 CHOKE
						1045 HRS, 275 PSI, HEAVY NIST, NO SD, CHANGE 32/64 CHOKE
						1100 HRS, 150 PSI, HEAVY MIST, LITE SD
						1130 HRS, 50 PSI, HEAVY MIST, MODERATE SD
						1200 HRS, 10 PSI, HEAVY MIST, MODERATE SD, OPEN ON 2"
						1230 HRS, 4 PSI, SURGING FLUID, MODERATE SD
						1300 HRS, 0 PSI, SURGING FLUID, MODERATE SD
	13:00 - 13:30	0.50	NUND	a	OBJECT	ND FLOW BACK LINE, FRAC VALVE & FRAC MANDREL
	13:30 - 14:15	0.75	TRIP	a	OBJECT	TIH W 66 JTS 2.375" TBG, TAG FILL @ 2045'
	14:15 - 15:00	0.75	COUT	a	OBJECT	RU AIR, EST CIRC W 1250 CFM AIR & 5 BPH MIST, CO W 67 JTS 2.375" TBG TO 2085'
	15:00 - 06:00	15.00	BLOW	a	OBJECT	1500 HRS, 1250 CFM, NO MIST, 1.5 CP SD, 24 BPH RTN
						1800 HRS, 700 CFM, 3 BPH MIST, 2 TBS SD, 14 BPH RTN

Operations Summary Report

Legal Well Name: CAIN #6

Common Well Name: CAIN #6

Event Name: CAP WORKOVER

Contractor Name: AZTEC WELL SERVICE

Rig Name: AZTEC

Start: 3/12/2004

Rig Release: 3/22/2004

Rig Number: 521

Spud Date: 10/7/1959

End: 3/22/2004

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/17/2004	15:00 - 06:00	15.00	BLOW	a	OBJECT	2400 HRS, 700 CFM, 3 BPH MIST, 1 TBS SD, 6 BPH RTN
3/18/2004	06:00 - 06:30	0.50	MIMO	a	OBJECT	0500 HRS, 700 CFM, 3 BPH MIST, 1 TBS SD, 5 BPH RTN
	06:30 - 06:45	0.25	SAFE	a	OBJECT	CREW TRAVEL TO LOCATION, SERVICE & START RIG
						HSM, TOPIC: DEFENSIVE DRIVING. WATCH OUT FOR OTHER DRIVERS & ROAD CONDITIONS
	06:45 - 07:00	0.25	FLOW	a	OBJECT	TAG 12' SD, CO TO PBTD
	07:00 - 11:00	4.00	COUT	a	OBJECT	0800 HRS, 775 CFM, 3 BPH MIST, 1/2 CP SD, 5 BPH RTN
						0900 HRS, 775 CFM, 3 BPH MIST, 1/4 CP SD, 5 BPH RTN
						1000 HRS, 775 CFM, 3 BPH MIST, 2 TBS SD, 5 BPH RTN
	11:00 - 13:00	2.00	FLOW	a	OBJECT	PU & FLOW WELL NATURAL
	13:00 - 17:00	4.00	COUT	a	OBJECT	TIH & TAG NO FILL, UNLOAD 3-4 BBL FOAMY WTR
						1400 HRS, 775 CFM, 3 BPH MIST, 1/4 CP SD, 6 BPH RTN
3/19/2004	17:00 - 06:00	13.00	BLOW	a	OBJECT	1500 HRS, 775 CFM, 3 BPH MIST, 2 TBS SD, 5 BPH RTN
						1600 HRS, 775 CFM, 3 BPM MIST, 1 TBS SD, 5 BPH RTN
						1700 HRS, 775 CFM, 3 BPM MIST, 1 TBS SD, 5 BPH RTN
						PU 60', ALTERNATE NATURAL FLOW & BLOW W 775 CFM AIR & 3 BPH MIST, RT WTR RATES AVE 4-5 BPH, SAND AVE 1 TBS SD/5 GAL RETURNS
	06:00 - 06:30	0.50	MIMO	a	OBJECT	CREW TRAVEL TO LOCATION, SERVICE & START RIG
	06:30 - 06:45	0.25	SAFE	a	OBJECT	HSM, TOPIC: DEFENSIVE DRIVING. WATCH OUT FOR OTHER DRIVERS & ROAD CONDITIONS
	06:45 - 10:00	3.25	FLOW	a	OBJECT	FLOW WELL FROM 0500 HRS TO 1000 HRS, TAG 20' FILL
	10:00 - 14:00	4.00	COUT	a	OBJECT	CO W 775 CFM & 3 BPH MIST TO PBTD, HEAVY SAND & 2-3 BPH WTR RTNS
	14:00 - 16:30	2.50	FLOW	a	OBJECT	FLOW WELL NATURAL, TAG 6' FILL
	16:30 - 17:00	0.50	COUT	a	OBJECT	CO W 775 CFM & 3 BPH MIST TO PBTD, HEAVY SAND & 2-3 BPH WTR RTNS
3/20/2004	17:00 - 06:00	13.00	BLOW	a	OBJECT	PU 60', ALTERNATE NATURAL FLOW for 2 HR & BLOW W 775 CFM AIR MIST FOR 1 HR, RT WTR RATES AVE 1-2 BPH, SAND AVE TRACE IN GAL RETURNS
	06:00 - 06:30	0.50	MIMO	a	OBJECT	CREW TRAVEL TO LOCATION, SERVICE & START RIG
	06:30 - 06:45	0.25	SAFE	a	OBJECT	HSM, TOPIC: CHECK ALL FALL PROTECTION EACH DAY, RIG CREW PRESENT
	06:45 - 07:00	0.25	FLOW	a	OBJECT	TIH & TAG 42' FILL
	07:00 - 08:30	1.50	COUT	a	OBJECT	CO W 775 CFM & 3 BPH MIST TO PBTD, HEAVY SAND & 2-3 BPH WTR RTNS
	08:30 - 09:15	0.75	TRIP	a	OBJECT	TOOH W TBG
	09:15 - 10:30	1.25	COUT	a	OBJECT	RIH W BAILER, BAIL 12 GALS SAND (18') IN 7 RUNS
	10:30 - 11:30	1.00	FLOW	a	OBJECT	FLOW WELL NATURAL
	11:30 - 13:30	2.00	COUT	a	OBJECT	RIH W BAILER, BAIL 21 GALS SAND (31') IN 9 RUNS
	13:30 - 14:30	1.00	FLOW	a	OBJECT	FLOW WELL NATURAL
3/21/2004	14:30 - 16:30	2.00	COUT	a	OBJECT	RIH W BAILER, BAIL 26 GALS SAND (42') IN 11 RUNS
	16:30 - 17:00	0.50	FLOW	a	OBJECT	FLOW WELL NATURAL
	17:00 - 18:00	1.00	COUT	a	OBJECT	RIH W BAILER, BAIL 15 GALS SAND (22') IN 6 RUNS
	18:00 - 06:00	12.00	FLOW	a	OBJECT	FLOW WELL NATURAL ON 2" LINE, LIGHT SAND, LESS THAN 1 BPH WTR, 12'-15' FLARE,
	06:00 - 06:30	0.50	MIMO	a	OBJECT	CREW TRAVEL TO LOCATION, SERVICE & START RIG
	06:30 - 06:45	0.25	SAFE	a	OBJECT	HSM, TOPIC: HOT WORK PERMIT, LEL METERS
	06:45 - 07:00	0.25	FLOW	a	OBJECT	TIH & TAG 42' FILL
	07:00 - 08:30	1.50	COUT	a	OBJECT	CO W 1250 CFM & 5 BPH MIST TO PBTD, HEAVY SAND & 2-3 BPH WTR RTNS
	08:30 - 12:00	3.50	BLOW	a	OBJECT	BLOW WELL ON BTM W 775 CFM AIR & 5 BPH MIST, MODERATE SAND & 6-7 BPH RTNS

Operations Summary Report

Legal Well Name: CAIN #6

Common Well Name: CAIN #6

Event Name: CAP WORKOVER

Contractor Name: AZTEC WELL SERVICE

Rig Name: AZTEC

Start: 3/12/2004

Rig Release: 3/22/2004

Rig Number: 521

Spud Date: 10/7/1959

End: 3/22/2004

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/21/2004	12:00 - 12:30	0.50	BLOW	a	OBJECT	BLOW WELL ON BTM W 1250 CFM AIR & 5 BPH MIST, HEAVY TO MODERATE SAND, SLUG 5 BBL FOAMY WTR THEN 6-7 BPH RTNS
	12:30 - 14:00	1.50	BLOW	a	OBJECT	BLOW WELL ON BTM W 775 CFM AIR & 5 BPH MIST, LIGHT SAND & 5-6 BPH RTNS
	14:00 - 06:00	16.00	BLOW	a	OBJECT	BLOW 2 HR @ 775 CFM & 5 BPH MIST & 1 HR @ 1250 CFM & 5 BPH MIST, RTNS LESS THAN 1 BPH OVER INJECTED MIST W MODERATE TO LIGHT SAND
3/22/2004	06:00 - 06:00	24.00	BLOW	a	OBJECT	BLOW 2 HR @ 775 CFM & 5 BPH MIST & 1 HR @ 1250 CFM & 5 BPH MIST, RTNS LESS THAN 1 BPH OVER INJECTED MIST W SAND LIGHT TO TRACE
3/23/2004	06:00 - 06:30	0.50	MIMO	a	OBJECT	CREW TRAVEL TO LOCATION, SERVICE & START RIG
	06:30 - 06:45	0.25	SAFE	a	OBJECT	HSM, TOPIC: FALL PROTECTION REQUIRED 6' ABOVE GROUND, RIG CREW PRESENT
	06:45 - 07:00	0.25	TRIP	a	OBJECT	TIH & TAG PBTD, NO FILL
	07:00 - 09:00	2.00	FLOW	a	OBJECT	FLOW WELL NATURAL
	09:00 - 09:30	0.50	TRIP	a	OBJECT	TIH & TAG 4' FILL, TOO H W TBG
	09:30 - 11:00	1.50	COUT	a	OBJECT	RIH W BAILER, BAIL 5 GALS SAND (7') IN 7 RUNS
	11:00 - 11:30	0.50	FLOW	a	OBJECT	FLOW WELL NATURAL
	11:30 - 12:00	0.50	COUT	a	OBJECT	RIH W BAILER, BAIL 5 GALS SAND (7') IN 5 RUNS
	12:00 - 12:30	0.50	FLOW	a	OBJECT	FLOW WELL NATURAL
	12:30 - 13:00	0.50	COUT	a	OBJECT	RIH W BAILER, BAIL 2 GALS SAND (3') IN 2 RUNS
	13:00 - 13:30	0.50	FLOW	a	OBJECT	FLOW WELL NATURAL
	13:30 - 14:00	0.50	COUT	a	OBJECT	RIH W BAILER, BAIL 2 GALS SAND (3') IN 2 RUNS
	14:00 - 14:45	0.75	TRIP	a	OBJECT	TIH W 67 JTS TBG, TAG PBTD
	14:45 - 15:00	0.25	BRCH	a	OBJECT	BROACH TBG TO SEATING NIPPLE
	15:00 - 15:30	0.50	NUND	a	OBJECT	LAND TBG AS FOLLOWS: EXPENDABLECHECK, SEATING NIPPLE, 1 JT 2.375" J-55 TBG, 2.09' X 2.375" J-55 PUP JT & 65 JTS 2.375" J-55 TBG @ 2063.44' (66 JTS TBG TOTAL), ND BOP, NU WH
	15:30 - 16:15	0.75	PUMP	a	OBJECT	DROP BALL & PUMP EXPENDABLE CHECK @ 700 PSI, REVERSE FLOW UP TBG
	16:15 - 17:30	1.25	TEST	a	OBJECT	PITOT TBG @ 264 MCFD WET
	17:30 - 18:00	0.50	RURD	a	OBJECT	RD RIG & EQUIPMENT
	18:00 - 06:00	12.00	FLOW	a	OBJECT	FLOW WELL ON TBG, 8'-10' FLARE, SMALL STREAM WATER
						POOH & LD 82 JTS 1" TBG, DEL TO BR YD 68 JTS 2.375" TBG FROM BR YD, 10 RIG STOCK, 78 TOTAL 66 JTS TBG LANDED, 12 RIG STOCK, 78 TOTAL
						SUMMARY: MIRU, LD 82 JT 1" TBG, TIH W 2.375" TBG TO PBTD, TOO H W TBG, TIH W 4 1/2" RBP & SET @ 2020', LOAD CSG W 2% KCL, TIH & SET 4 1/2" PACKER @ 30', PRES TEST CSG TO 2500 PSI, TOO H W PACKER & RBP, TIH W TBG & CO TO BPTD, RESTIMULATE PC W DOWELL, RD DOWELL, PU & TIH W X-CHECK, SEATING NIPPLE, 1 JT 2.375" TBG, 2' X 2.375" PUP JT & 67 JTS 2.375" TBG, CO TO PBTD, TOO H W TBG, CO W SAND BAILER TO PBTD, TIH W PROD TBG, BROACH TBG, LD 1 JT TBG, LAND 66 JTS TBG @ 2063.44", ND BOP, NU WH, PUMP OFF X-CHECK @ 700 PSI, REVERSE CIRC UP TBG, PITOT TBG @ 264 MCFD WET, RD EQUIPMENT, READY TO MOVE TO NEXT LOCATION