

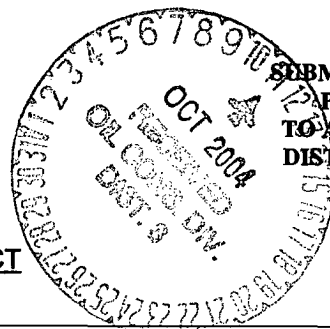
New Mexico
Energy Minerals and Natural Resources Department

Form C-140
Revised 06/99

District I - (505) 393-6161
1625 N. French Dr, Hobbs, NM 88240
District II - (505) 748-1283
1301 W. Grand Avenue, Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road, Aztec, NM 87410
District IV - (505) 476-3440
1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505
(505) 476-3440

APPLICATION FOR
WELL WORKOVER PROJECT



**SUBMIT ORIGINAL
PLUS 2 COPIES
TO APPROPRIATE
DISTRICT OFFICE**

I. Operator and Well

Operator name address Burlington Resources Oil and Gas Co. LP Box 4289, Farmington, NM 87499					OGRID Number 014538 & 33113	
Contact Party Leslie D. White					Phone 505/326-9700	
Property Name CAIN			Well Number 6		API Number 3004507447	
UL J	Section 15	Township 28 N	Range 10 W	Feet From The 1650 FSL	Feet From The 1550 FEL	County SAN JUAN

II. Workover

Date Workover Commenced 03/12/2004	Previous Producing Pool(s) (Prior to Workover): AZTEC PICTURED CLIFFS (GAS)
Date Workover Completed: 03/22/2004	

- III. Attach a description of the Workover Procedures performed to increase production.
- IV. Attach a production decline curve or table showing at least twelve months of production prior to the workover and at least three months of production following the workover reflecting a positive production increase.
- V. **AFFIDAVIT:**

State of <u>New Mexico</u>)	
) ss.	
County of <u>San Juan</u>)	
<u>Leslie D. White</u> , being first duly sworn, upon oath states:	
1. I am the Operator, or authorized representative of the Operator, of the above-referenced Well.	
2. I have made, or caused to be made, a diligent search of the production records reasonably available for this Well.	
3. To the best of my knowledge, this application and the data used to prepare the production curve and/or table for this Well are complete and accurate.	
Signature <u>Leslie D. White</u>	Title <u>Sr. Accountant</u> Date <u>10/7/04</u>
SUBSCRIBED AND SWORN TO before me this <u>7th</u> day of <u>Oct</u> , <u>2004</u> .	
My Commission expires: <u>9/15/08</u>	Notary Public <u>Patricia L. Chugh</u>

FOR OIL CONSERVATION DIVISION USE ONLY:

IV. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a Well Workover Project and the Division hereby verifies the data shows a positive production increase. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project was completed 2/22/04.

Signature District Supervisor <u>SS. S</u>	OCD District <u>3</u>	Date <u>10/11/04</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

REG_DTL_D	AZTEC PICTURED CLIFFS (GAS)
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03/01/2003	1157
04/01/2003	820
05/01/2003	527
06/01/2003	425
07/01/2003	721
08/01/2003	405
09/01/2003	655
10/01/2003	688
11/01/2003	1010
12/01/2003	1393
01/01/2004	1011
02/01/2004	959
03/01/2004	759
04/01/2004	4662
05/01/2004	2897
06/01/2004	4005

BURLINGTON RESOURCES DIVISIONS

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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: 03/12/2004
 Rig Release: 03/22/2004
 Rig Number: 521

Spud Date: 10/07/1959
 End: 03/22/2004
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
03/13/2004	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
03/16/2004	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 PBD 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
03/17/2004	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

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BURLINGTON RESOURCES DIVISIONS

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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: 03/12/2004

Rig Release: 03/22/2004

Rig Number: 521

Spud Date: 10/07/1959

End: 03/22/2004

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
03/17/2004	15:00 - 06:00	15.00	BLOW	a	OBJECT	2400 HRS, 700 CFM, 3 BPH MIST, 1 TBS SD, 6 BPH RTN
03/18/2004	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 & FLOWWELL 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
03/19/2004	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
03/20/2004	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
03/21/2004	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

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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: 03/12/2004

Rig Release: 03/22/2004

Rig Number: 521

Spud Date: 10/07/1959

End: 03/22/2004

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
03/21/2004	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
03/22/2004	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
03/23/2004	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 PBTB, 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, TOOH 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 PBTB
	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 PBTB, TOOH 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, TOOH 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 PBTB, TOOH W TBG, CO W SAND BAILER TO PBTB, 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