

New Mexico  
Energy Minerals and Natural Resources Department

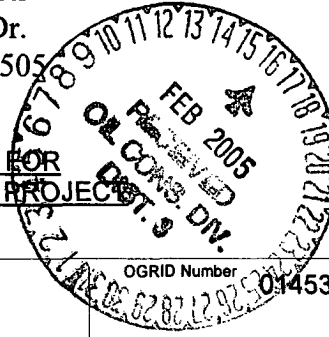
Form C-140  
Revised 06/99

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

SUBMIT ORIGINAL  
PLUS 2 COPIES  
TO APPROPRIATE  
DISTRICT OFFICE

**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

APPLICATION FOR  
WELL WORKOVER PROJECT



I. Operator and Well

Operator name address <b>Burlington Resources Oil and Gas Co. LP Box 4289, Farmington, NM 87499</b>							OGRID Number <b>014538</b>
Contact Party <b>Leslie D. White</b>						Phone <b>505/326-9700</b>	
Property Name <b>MCCLANAHAN</b>				Well Number <b>20</b>		API Number <b>3004507418</b>	
UL	Section	Township	Range	Feet From The	Feet From The	County	
N	13	28 N	10 W	800 FSL	1800 FWL	SAN JUAN	

II. Workover

Date Workover Commenced <b>07/28/2004</b>	Previous Producing Pool(s) (Prior to Workover): <b>BASIN DAKOTA</b>
Date Workover Completed: <b>08/04/2004</b>	

- 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>2/15/05</u>
SUBSCRIBED AND SWORN TO before me this <u>15<sup>th</sup></u> day of <u>February</u> 2005.	
Notary Public	
My Commission expires: <u>September 22, 2008</u> <u>Nancy Oltrammas</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 08-04-2004.

Signature District Supervisor <u>Chad Kern</u>	OCD District <u>AZTEC III</u>	Date <u>02-17-2005</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

MCCLANAHAN 20 3004507418 71599 82329

REG	DTL	DT	GAS PROD	GAS PROD
		01-Aug-03	1700	
		01-Sep-03	1364	
		01-Oct-03	1360	
		01-Nov-03	839	
		01-Dec-03	1450	
		01-Jan-04	1603	
		01-Feb-04	1431	
		01-Mar-04	1867	
		01-Apr-04	1649	
		01-May-04	1094	
		01-Jun-04	1377	
		01-Jul-04	1445	
		01-Aug-04	2822	2604
		01-Sep-04	4212	4099
		01-Oct-04	3501	3411
		01-Nov-04	3172	3045

# BURLINGTON RESOURCES O & G CO

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## Operations Summary Report

Legal Well Name: MCCLANAHAN #20  
Common Well Name: MCCLANAHAN #20  
Event Name: CAP WORKOVER  
Contractor Name: AZTEC WELL SERVICE  
Rig Name: AZTEC

Spud Date: 08/18/1960  
Start: 07/28/2004 End: 08/04/2004  
Rig Release: 08/04/2004 Group:  
Rig Number: 449

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
07/29/2004	06:00 - 07:00	1.00	SAFE	a	OBJECT	TRAV TO LOC , START RIG , HOLD SAFETY MEETING ON MOVING & RU RIG & EQUIP , RIG CREW , AIR HANDS , RU DRIVERS & PUSHER , CONSULTANT WERE PRESENT .
	07:00 - 09:30	2.50	MIMO	a	MIRU	ROAD RIG FROM SOUTHEAST CHA CHA # 38 TO MCCLANAHAN # 20 .
	09:30 - 11:00	1.50	RURD	a	MIRU	SPOT IN RIG RAMP , PUT RIG ON RAMP & STAND UP DERRICK .
	11:00 - 13:00	2.00	RURD	a	MIRU	SPOT IN & RU REST OF EQUIP , LAY FLOWLINES , TBG HAD 200 PSI , CSG HAD 240 PSI , BH WAS DEAD .
	13:00 - 13:45	0.75	NUND	a	MIRU	KILL TBG W/ 10 BBLs OF H2O , ND TREE , NU BOP .
	13:45 - 15:00	1.25	TRIP	a	OBJECT	TOOH W/ TBG , TBG LOOKED GOOD , TALLY SAME .
	15:00 - 15:45	0.75	CASE	a	OBJECT	RU WIRELINE , RIH & SET 4 1/2" CIBP @ 6180' , POOH .
	15:45 - 16:45	1.00	PUMP	a	OBJECT	LOAD HOLE W/ 97 BBLs OF H2O .
	16:45 - 19:00	2.25	CASE	a	OBJECT	RIH W/ GR/CCL/CBL , TRY TO LOG FROM 3300' TO 1900' , HAD TO MUCH TRAPPED AIR TO LOG , POOH .
	19:00 - 19:30	0.50	PRES	a	OBJECT	PRESS TEST CSG TO 500 PSI & HOLD FOR 15 MIN , TESTED GOOD .
	19:30 - 20:00	0.50	SHDN	a	OBJECT	LOCK BLINDS , PU TOOLS & LOC , FUEL UP RIG , SDFD .
07/30/2004	06:00 - 07:00	1.00	SAFE	a	OBJECT	TRAV TO LOC , START RIG , HOLD SAFETY MEETING ON WIRELINING , RIG CREW , WL HANDS , CONSULTANT WERE PRESENT .
	07:00 - 08:30	1.50	CASE	a	OBJECT	RIH W/ GR/CCL/CBL & LOG FROM 3300' TO 1900' , POOH , RIH & SHOOT SQUEEZE HOLES @ 3150' , POOH , RD WL .
	08:30 - 08:45	0.25	PUMP	a	OBJECT	BREAKDOWN SQUEEZE HOLES @ 600 PSI @ 1/2 BPM INJ RATE OF 3/4 BPM @ 400 PSI .
	08:45 - 09:00	0.25	PULD	a	OBJECT	PU & MU 4 1/2" CEMENT RETAINER , TIH W/ 2 STANDS NEW HAND OPENED ELEVATORS & DROPPED TBG & RETAINER .
	09:00 - 13:00	4.00	FISH	a	FISH	WAIT ON OVERSHOT FROM TOWN , TIH W/ OVERSHOT , LATCH FISH @ 6050' , TOOH W/ FISH , LAY DOWN OS , LAY DOWN RETAINER .
	13:00 - 14:00	1.00	TRIP	a	OBJECT	PU & MU NEW 4 1/2" RETAINER , TIH & SET @ 3130' .
	14:00 - 15:15	1.25	CEMT	a	OBJECT	RU PUMPLINE , HOLD SAFETY MEETING ON CEMENTING W/ PERSONAL ON LOC , PRESS TEST LINES TO 3500 PSI , TESTED GOOD , PUT 500 PSI ON ANNULUS , PRESS TEST TBG TO 1000 PSI , TESTED GOOD , GET INJ RATE OF 2 BPM @ 870 PSI , PUMP 37 BBLs OF TYPE 3 NEAT 14.5# CEMENT @ 2 BPM @ 690 PSI , DISPLACE W/ 12 BBLs OF H2O @ 2 BPM @ 480 PSI , STING OUT OF RETAINER , LEFT 480 PSI UNDER RETAINER , REV OUT TBG .
	15:15 - 15:45	0.50	TRIP	a	OBJECT	TOOH W/ STINGER .
	15:45 - 16:15	0.50	TRIP	a	OBJECT	PU & MU 4 1/2" PKR , TIH TO 2050' & SET PKR .
	16:15 - 16:30	0.25	PRES	a	OBJECT	PRESS TEST CSG & RETAINER TO 3000 PSI & HOLD FOR 15 MIN , TESTED GOOD .
	16:30 - 17:00	0.50	TRIP	a	OBJECT	TOOH W/ PKR .
	17:00 - 17:30	0.50	PERF	a	OBJECT	RU WIRELINE , RIH & SHOOT 2 SQUEEZE HOLES @ 2437' , POOH & RD WIRELINE .
	17:30 - 17:45	0.25	PUMP	a	OBJECT	BREAKDOWN SQUEEZE HOLES @ 550 PSI @ 1 BPM , INJ RATE OF 1 BPM @ 350 PSI .
	17:45 - 18:15	0.50	TRIP	a	OBJECT	PU & MU 4 1/2" CEMENT RETAINER , TIH & SET @ 2407' .
	18:15 - 19:30	1.25	CEMT	a	OBJECT	RU PUMPLINE , HOLD SAFETY MEETING , TEST TBG TO 1000 PSI , TESTED GOOD , PUT 500 PSI ON ANNULUS , GET INJ RATE OF 2 BPM @ 1000 PSI , PUMP 37 BBLs OF TYPE 3 NEAT 14.5# CEMENT @ 2 BPM @ 930 PSI , DISPLACE W/ 9 BBLs OF H2O @ 2 BPM @ 870 PSI , STING OUT OF RETAINER , LEFT 870 PSI UNDER RETAINER , REV OUT , RD PUMPLINE .

# BURLINGTON RESOURCES O & G CO

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## Operations Summary Report

Legal Well Name: MCCLANAHAN #20  
Common Well Name: MCCLANAHAN #20  
Event Name: CAP WORKOVER  
Contractor Name: AZTEC WELL SERVICE  
Rig Name: AZTEC

Spud Date: 08/18/1960  
Start: 07/28/2004 End: 08/04/2004  
Rig Release: 08/04/2004 Group:  
Rig Number: 449

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
07/30/2004	19:30 - 20:00	0.50	TRIP	a	OBJECT	TOOH W/ STINGER .
	20:00 - 20:30	0.50	SHDN	a	OBJECT	SHUT & LOCK BLINDS , LAY DOWN STINGER , PU TOOLS & LOC , FUEL UP RIG , SDFD .
07/31/2004	06:00 - 07:00	1.00	SAFE	a	OBJECT	TRAV TO LOC , START RIG , HOLD SAFETY MEETING ON MO CEMENT , RIG CREW , CONSULTANT WERE PRESENT .
	07:00 - 07:30	0.50	TRIP	a	OBJECT	TIH W/ 3 3/4" MILL , TAG CEMENT @ 2376' , RETAINER @ 2407' , SQUEEZE HOLE @ 2437' .
	07:30 - 13:00	5.50	MILL	a	CLEAN	MILL OUT CEMENT & RETAINER FROM 2376' TO 2440' , SHORT TIH TO 3130' , CIRCULATE HOLE CLEAN .
	13:00 - 13:30	0.50	SPOT	a	CLEAN	SPOT 750 GALS OF 15% HCL .
	13:30 - 14:00	0.50	TRIP	a	OBJECT	TOOH W/ MILL .
	14:00 - 16:30	2.50	PERF	a	OBJECT	RIH W/ GR/CCL/CBL , LOG FROM 3121' TO 2350' , HAD GOOD BOND ALL THE WAY TO 2350' , POOH , RIH W/ 3 1/8 HSC CSG GUN PERF CHACRA FROM 2442' , 44' , 46' , 56' , 58' , 72' , 2504' , 06' , 48' , 50' , 2855' , 57' , 59' , 2937' , 39' , 42' , 44' , 54' , 56' , 58' , 77' , 83' , 86' , 3001' , 08' , @ 1 SPF , FOR A TOTAL OF 25 HOLES , POOH , RD WL .
	16:30 - 18:30	2.00	TRIP	a	OBJECT	CHANGE OUT SLIPS , ELEV , RAMS TO 2 7/8" , RIH W/ 4 1/2" FULLBORE PKR & 2 7/8" FRAC STRING TO 2067' , SET PKR , NU FRAC MANDERAL & FRAC VALVE , PUT 500 PSI ON ANNULUS .
	18:30 - 19:00	0.50	RURD	a	OBJECT	RU FRAC LINE .
	19:00 - 20:30	1.50	FRAC	a	OBJECT	BREAKDOWN PERFS @ 1402 PSI @ 5 BPM , BULLHEAD 750 GALS OF 15% HCL IN FRONT OF FRAC , FRAC LOAD OF 670 BBLS , FLUSH W/ 6 BBLS , TOTAL LOAD OF 676 , FLUSH W/ 82,233 SCF , TOTAL N2 827,513 SCF , MAX PSI 4934 , MIN 3022 , AVG 4168 PSI , MAX RATE 55 BPM , MIN 40 , AVG 55 BPM , 200,000# 20/40 ARIZONA SAND , ISIP 2200 PSI .
	20:30 - 22:00	1.50	RURD	a	OBJECT	WASH UP PUMPS , RD FRAC LINE , RU FLOW LINE & PRESS TEST W/ WELL PRESS , TESTED GOOD . WAIT FOR FRAC CREW TO LEAVE LOC , TO BEGIN FLOWBACK .
	22:00 - 06:00	8.00	FLOW	a	CLEAN	FLOW FRAC BACK THRU CHOKE . 10/64" CHOKE , MAKING HEAVY MIST , MODERATE SAND @ 1200 PSI . 23:00 , 8/64" CHOKE , MAKING HEAVY MIST , MODERATE TO LIGHT SAND @ 1200 PSI . 05:00 , 10/64" CHOKE , MAKING HEAVY MIST , LIGHT SAND @ 1200 PSI .
	08/01/2004	24.00	FLOW	a	CLEAN	FLOW FRAC BACK THRU CHOKE . 10/64" CHOKE , MAKING HEAVY MIST , TRACE OF SAND @ 1200 PSI . 07:00 , 12/64" CHOKE , MAKING HEAVY MIST , TRACE OF SAND @ 1000 PSI . 10:00 , 14/64" CHOKE , MAKING HEAVY MIST , NO SAND @ 1000 PSI . 14:00 , 16/64" CHOKE , MAKING HEAVY MIST , NO SAND @ 1000 PSI . 18:00 , 18/64" CHOKE , MAKING HEAVY MIST , NO SAND @ 1000 PSI . 22:00 , 20/64" CHOKE , MAKING HEAVY MIST , NO SAND @ 800 PSI . 02:00 , 22/64" CHOKE , MAKING HEAVY MIST , NO SAND @ 700 PSI . 05:00 , 24/64" CHOKE , MAKING HEAVY MIST , NO SAND @ 550 PSI .
						FLOW FRAC BACK THRU CHOKE . 24/64" CHOKE , MAKING HEAVY MIST , NO SAND @ 500 PSI .
08/02/2004	06:00 - 06:00	24.00	FLOW	a	CLEAN	

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## Operations Summary Report

Legal Well Name: MCCLANAHAN #20  
 Common Well Name: MCCLANAHAN #20  
 Event Name: CAP WORKOVER  
 Contractor Name: AZTEC WELL SERVICE  
 Rig Name: AZTEC

Spud Date: 08/18/1960  
 Start: 07/28/2004 End: 08/04/2004  
 Rig Release: 08/04/2004 Group:  
 Rig Number: 449

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
08/02/2004	06:00 - 06:00	24.00	FLOW	a	CLEAN	08:00 , 32/64" CHOKE , MAKING HEAVY TO MODERATE MIST , NO SAND @ 300 PSI . 16:00 , 48/64" CHOKE , MAKING MODERATE TO LIGHT MIST , GAS , NO SAND @ 175 PSI . 23:00 , FULL 2" LINE , MAKING LIGHT MIST , NO SAND , GAS @ 20 PSI .
08/03/2004	06:00 - 07:00	1.00	SAFE	a	OBJECT	TRAV TO LOC , START RIG , HOLD SAFETY MEETING ON LAYING DOWN TBG , RIG CREW , AIR HAND , CONSULTANT WERE PRESENT .
	07:00 - 08:00	1.00	NUND	a	OBJECT	KILL WELL W/ 20 BBLS OF 2% KCL , ND FRAC EQUIP .
	08:00 - 10:00	2.00	TRIP	a	OBJECT	UNSET PKR , POOH W/ 2 7/8" FRAC STRING & 4 1/2" FULLBORE PKR .
	10:00 - 11:00	1.00	TRIP	a	OBJECT	CHANGE SLIPS , ELEV , RAMS TO 2 3/8" , TIH W/ 3 3/4" JUNK MILL , TAG UP @ 3060' , RETAINER @ 3130' , HAD 90' OF FILL .
	11:00 - 14:00	3.00	FLOW	a	CLEAN	FLOW WELL NATURAL , MAKING 15 TO 5 BPH OF H2O 2 TO 1/2 CUP OF SAND .
	14:00 - 20:00	6.00	BLOW	a	CLEAN	CO TO TOP OF RETAINER W/ AIR MIST , MAKING 7 TO 4 BPH OF H2O , 1/2 GALLON TO 1 CUP OF SAND .
	20:00 - 22:00	2.00	FLOW	a	CLEAN	FLOW WELL NATURAL , MAKING 4 TO 3 BPH OF H2O , 1 CUP OF SAND .
	22:00 - 00:00	2.00	BLOW	a	CLEAN	BLOW W/ AIR MIST , MAKING 4 TO 3 BPH OF H2O , 1 TO 1/2 CUP OF SAND .
	00:00 - 04:00	4.00	FLOW	a	CLEAN	FLOW WELL NATURAL , MAKING 3 BPH OF H2O , 1/2 TO 1/8 CUP OF SAND .
	04:00 - 06:00	2.00	BLOW	a	CLEAN	BLOW W/ AIR MIST , MAKING 4 TO 3 BPH OF H2O , 1/2 TO 1/8 CUP OF SAND .
08/04/2004	06:00 - 07:00	1.00	SAFE	a	OBJECT	TRAV TO LOC , START RIG , HOLD SAFETY MEETING ON MO PLUGS , RIG CREW , AIR HAND , CONSULTANT WERE PRESENT .
	07:00 - 09:00	2.00	COUT	a	CLEAN	SHORT TIH , TAG UP @ 3040' , RETAINER @ 3130' , HAD 90' OF FILL , CO TO TOP OF RETAINER W/ AIR MIST , PU SWIVEL & EST 12 BPH OF MIST RATE .
	09:00 - 13:00	4.00	MILL	a	CLEAN	MILL OUT RETAINER W/ AIR MIST , RETAINER WAS SPINNING , MILL OUT CEMENT FROM 3134' TO 3160' .
	13:00 - 14:00	1.00	TRIP	a	OBJECT	HANG BACK SWIVEL , TIH TO TOP OF CIBP @ 6180' .
	14:00 - 18:00	4.00	MILL	a	CLEAN	PU SWIVEL , EST 12 BPH MIST RATE , MO CIBP @ 6180' , CHASE TO PBTD @ 6376' .
	18:00 - 20:00	2.00	BLOW	a	CLEAN	BLOW W/ AIR MIST , MAKING 5 TO 3 BPH OF H2O , 1 TO 1/8 CUP OF SAND .
	20:00 - 00:00	4.00	FLOW	a	CLEAN	FLOW WELL NATURAL , MAKING 3 BPH OF H2O , 1/8 TO TRACE OF SAND .
	00:00 - 02:00	2.00	BLOW	a	CLEAN	BLOW W/ AIR MIST , MAKING 4 TO 3 BPH OF H2O , 1/8 TO TRACE OF SAND .
	02:00 - 06:00	4.00	FLOW	a	CLEAN	FLOW WELL NATURAL , MAKING 3 BPH OF H2O , TRACE OF SAND .
08/05/2004	06:00 - 07:00	1.00	SAFE	a	OBJECT	TRAV TO LOC , START RIG , HOLD SAFETY MEETING ON RD RIG & EQUIP , RIG CREW , AIR HAND , CONSULTANT WERE PRESENT .
	07:00 - 08:30	1.50	TRIP	a	OBJECT	TOOH W/ MILL .
	08:30 - 11:00	2.50	TRIP	a	OBJECT	TIH W/ EXC , 1.78" ID SEAT NIPPLE , 1 JT OF 2 3/8" TBG 2' PUP JT , REST OF TBG , TAG UP @ 6376' , PBTD @ 6376' , HAD NO FILL .
	11:00 - 15:00	4.00	BLOW	a	CLEAN	RABBIT SAME . BLOW W/ AIR MIST , MAKING 3 TO 2 BPH OF H2O , TRACE TO NO SAND .
	15:00 - 15:30	0.50	BRCH	a	OBJECT	BROACH TBG TO SEAT NIPPLE .

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## Operations Summary Report

Legal Well Name: MCCLANAHAN #20  
 Common Well Name: MCCLANAHAN #20  
 Event Name: CAP WORKOVER  
 Contractor Name: AZTEC WELL SERVICE  
 Rig Name: AZTEC

Spud Date: 08/18/1960  
 Start: 07/28/2004 End: 08/04/2004  
 Rig Release: 08/04/2004 Group:  
 Rig Number: 449

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
08/05/2004	15:30 - 16:00	0.50	NUND	a	OBJECT	LAND ORIGINAL TBG IN ORIGINAL SPOT OF 6321' W/ 200 JTS OF 2.375", 4.7#, J-55, EUE, 8RD TBG.
	16:00 - 17:00	1.00	PRES	a	OBJECT	PRESS TEST TBG TO 500 PSSI, TESTED GOOD, PUMP OFF EXC @ 700 PSI, REV UP TBG.
	17:00 - 18:00	1.00	RURD	a	RDMO	RD RIG & EQUIP. TAKE PITOT READING, 15min 5 oz, 30 min 7 oz, 45 min 7 oz, 60 min 7 oz = 404 mcf ON 2" LINE. SUMMARY, MOL, RU RIG & EQUIP, ND TREE, NU BOP, TOOH W/ TBG, RU WL, RIH & SET CIBP, LOAD HOLE, LOG, RIH SHOOT SQUEEZE HOLE, TIH W/ CR & SET, BLOCK SQUEEZE, TOOH W/ STINGER, TIH W/ PKR, TEST CSG & CR, GOOD TEST, TOOH, RIH & SHOOT TOP SQUEEZE HOLE, TIH W/ CR, BLOCK SQUEEZE, TOOH, TIH W/ MILL, MO CR & CEMENT, TOOH, RIH & LOG, RIH & PERF CHACRA, RIH & PKR & FS, FOAM FRAC CHACRA, FLOW FRAC BACK, POOH W/ FS & PKR, TIH W/ MILL, CO CHACRA, MO CR & CEMENT, TIH, MO CIBP, CO TO PBD, TOOH W/ MILL, TIH W/ EXC, BROACH TBG, LAND TBG, ND BOP, NU TREE, PUMP OFF EXC, REV UP TBG, RD, MOL.  NOTE SENT 7 JTS OF 2 3/8" TBG & 2 7/8" FRAC STRING TO BR ON M&R TRUCKING.