

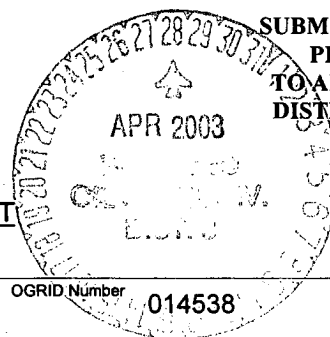
New Mexico
Energy Minerals and Natural Resources Department

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



I. Operator and Well

Operator name address	Burlington Resources Oil and Gas Co. LP Box 4289, Farmington, NM 87499	OGRID Number	014538
Contact Party	Peggy Cole	Phone	505/326-9700

Property Name				Well Number		API Number	
MCCLANAHAN				22		3004525696	
UL	Section	Township	Range	Feet From The	Feet From The	County	
G	14	28 N	10 W	1635 FNL	1640 FEL	SAN JUAN	

II. Workover

Date Workover Commenced	4-18-02	Previous Producing Pool(s) (Prior to Workover):	OTERO CHACRA (GAS) BASIN FRUITLAND COAL (GAS)
Date Workover Completed:	5-14-02		

- 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 New Mexico)
County of San Juan) ss.
Peggy Cole, 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 Peggy Cole Title Regulatory Administrator Date 4-24-03
SUBSCRIBED AND SWORN TO before me this 24 day of April, 2003.
My Commission expires: September 15, 2004 Notary Public Tamatha Wimsatt

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 5-14, 2002.

Signature District Supervisor	OCD District	Date
<u>Charlie T. Perrin</u>	<u>AZTEC #11</u>	<u>4-29-2003</u>

VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

MCCLANAHAN 22 3004525696 82329 71629

REG	DTL	DT	GAS_PROD	GAS_PROD
		01-May-01	1157	
		01-Jun-01	1125	
		01-Jul-01	1225	
		01-Aug-01	1157	
		01-Sep-01	1066	
		01-Oct-01	1171	
		01-Nov-01	1075	
		01-Dec-01	1041	
		01-Jan-02	964	
		01-Feb-02	850	
		01-Mar-02	963	
		01-Apr-02	536	
		01-May-02	947	947
		01-Jun-02	1782	1782
		01-Jul-02	1532	1533
		01-Aug-02	1338	1338

Operations Summary Report

Legal Well Name: MCCLANAHAN #22
 Common Well Name: MCCLANAHAN #22
 Event Name: CAP WORKOVER
 Contractor Name: TJR WELL SERVICE
 Rig Name: TJR

Spud Date: 9/20/2002
 Start: 9/16/2002
 End: 9/20/2002
 Rig Release: 9/20/2002
 Group:
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
4/18/2002	07:00 - 08:00 08:00 - 10:00	1.00 2.00	NUND TEST	a a	OBJECT OBJECT	ND WELL HEAD, NU FRAC VALVE. RU COBRA SLICKLINE, NU THREE RIVERS PUMP TRUCK, PUMP 4 BBLS KCL AHEAD, TIH W/ GUAGE RING TO 2960, 14' FILL, 62' BELOW BOTTOM PERF. TOOH, TIH W/ TBG PLUG SET @ 2750' LOAD & TEST CSG TO 5000# WATCH FOR 15 MIN, (NO LEAK OFF) PULL TBG PLUG RD COBRA SLICKLINE & THREE RIVERS, MOVE TO MC CLANAHAN #21,
5/2/2002	08:00 - 12:30	4.50	PERF	a	OBJECT	MIRU BLUEJET W/L, & SCHLUMBERGR PUMP TRUCK. RIH W/ 2 7/8" W/L SET HALIB. COMP-PLG, SET @ 1870'. POH, LD SET TOOL, RU SCHL P-TRUCK, LOAD & TST 2 7/8" C-PLG @ 5100 PSI., RELEASE PSI, RD P-TRUCK. RIH W/ STRIP GUNS, PERF FRC PAY; 1676'-1795', 2 SPF, 4 INTERVALS, 22' PAY, 44 HOLES. SIW, RD W/L, MO EQUIP. WAIT ON FRAC EQUIP.
5/3/2002	06:30 - 07:45 07:45 - 08:00 08:00 - 08:30	1.25 0.25 0.50	RURD SAFE FRAC	a a a	OBJECT OBJECT OBJECT	RU DOWELL FRAC EQUIPMENT SAFETY MEETING - 14 DOWELL & 2 BR REPS DOWELL FRACED FRUITLAND COAL PERFS W/ 12 BBLS 15% HCL ACID, 296 BBLS 30# LINEAR GEL, 379 Mscf N2 & 60,000# 20/40 SAND IN 11 STAGES AS FOLLOWS: STAGE---BBLS GEL---FOAM Q---N2 Mscf---SAND---START RATE---START PSI---END RATE---END PSI PRE-PAD 22 BBLS 0% 0 NONE 17.2 BPM 1350# 15.1 BPM 1181# PAD 71 BBLS 70% 83 NONE 30.0 BPM 1982# 40.0 BPM 3593# .25# 7 BBLS 70% 10 375# 40.0 BPM 3676# 40.0 BPM 3708# .50# 10 BBLS 70% 14 750# 40.0 BPM 3740# 40.0 BPM 3804# .75# 11 BBLS 70% 18 1125# 45.0 BPM 4440# 45.0 BPM 4646# 1.0# 43 BBLS 70% 68 6000# 45.0 BPM 4655# 45.0 BPM 3456# 1.5# 10 BBLS 70% 17 2250# 45.0 BPM 3502# 50.0 BPM 3690# 2.0# 14 BBLS 70% 24 6750# 50.0 BPM 3662# 55.0 BPM 3836# 2.5# 34 BBLS 70% 42 11250# 55.0 BPM 3881# 55.0 BPM 4308# 3.0# 33 BBLS 70% 45 13500# 55.0 BPM 4298# 55.0 BPM 4390# 4.0# 39 BBLS 70% 58 18000# 55.0 BPM 4825# 55.0 BPM 4948# FLUSHED W/ 8 BBLS 2% KCL WTR, ISIP - 851#, TOTAL LOAD TO RECOVER - 316 BBLS RD DOWELL FRAC EQUIPMENT, RU 2" FLOW BACK LINE W/ DUAL CHOKE MANIFOLD SICP - 680#, OPEN WELL ON 10/64 CHOKE & FLOW BACK FRAC AS FOLLOWS: TIME---PRESS---CHOKE---WATER---SAND 11:00 480# 10/64 HVY MIST NONE 14:00 300# 12/64 HVY MIST NONE 18:00 180# 14/64 MED MIST TRACE 21:00 90# 18/64 MED MIST TRACE
	10:00 - 11:00	1.00	RURD	a	OBJECT	
	11:00 - 06:00	19.00	FLOW	a	OBJECT	

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5/3/2002	11:00 - 06:00	19.00	FLOW	a	OBJECT	01:00 50# 32/64 MED MIST NONE 06:00 30# 32/64 LT MIST NONE
5/4/2002	06:00 - 15:00	9.00	FLOW	a	OBJECT	FLOW BACK FRAC AS FOLLOWS: TIME-----PRESS-----CHOKE-----WATER-----SAND 08:00 20# 32/64 LT MIST NONE 12:00 10# 32/64 LT MIST NONE 15:00 2# 48/64 LT MIST NONE
5/9/2002	15:00 - 15:30	0.50	NUND	a	OBJECT	CHANGE OUT FRAC VALVE & INSTALL TBG VALVE
	07:00 - 08:00	1.00	MIMO	a	OBJECT	ROAD UNIT TO LOCATION,
	08:00 - 08:30	0.50	SAFE	a	OBJECT	SAFETY MEETING W/ 2 COIL TBG HANDS, SUPERVISOR, TOPIC (PERSONAL PROTECTIVE EQUIPMENT)
	08:30 - 09:00	0.50	RURD	a	OBJECT	RU COIL TBG UNIT, NU FLOW LINE TO PIT
	09:00 - 12:00	3.00	COUT	a	OBJECT	TIH TAG FILL @ 1840' COMP PLUG @ 1870' 30' FILL, (CSG HAD 150# PSI) C/O FILL TO COMP PLUG, LIGHT SAND 3-4 BPH WATER,
	12:00 - 13:00	1.00	TRIP	a	OBJECT	TOOH PU MOTOR W/ MILL,
	13:00 - 15:00	2.00	MILL	a	OBJECT	TIH NU PUMP TRUCK, ADJUST RATE TO 3/4 BPH, START MILLING PLUG, LOSE MOTOR ROTATION, TOOH
5/10/2002	15:00 - 16:00	1.00	PRES	a	OBJECT	CONNECTOR SEAL LEAKING, COIL TBG FLAT, CUT OFF TBG, SHAPE TBG, INSTALL CONNECTOR, NU MOTOR TIH, ADJUST WATER RATE START MILLING.
	16:00 - 18:00	2.00	RRSR	a	OBJECT	MILL ON PLUG, CLUTCH WENT OUT ON PUMP TRUCK, TOOH SWSD.
	06:00 - 07:00	1.00	MIMO	a	OBJECT	ROAD CREW TO LOCATION.
	07:00 - 07:30	0.50	SAFE	a	OBJECT	SAFETY MEETING W/ 2 COIL TBG HANDS, 2 TRK DRIVERS, 1-TOOL HAND, SUPERVISOR. TOPIC, (PUMP PRESSURE)
	07:30 - 08:00	0.50	FLOW	a	OBJECT	150# PSI ON CSG, OPEN WELL FLOW TO PIT, ALLOW WELL TO FLOW DOWN.
	08:00 - 12:00	4.00	MILL	a	OBJECT	TIH W/ MILL TAG PLUG 1847' MILL ON PLUG, CUTTINGS HANGING MILL, CUT APPROX 1', TOOH. ALLOW WELL TO UNLOAD, WATER & CUTTINGS.
	12:00 - 12:30	0.50	MILL	a	OBJECT	TIH W/ MILL, MILL OUT FINISH MILLING OUT COMPOSITE PLUG, CHASE PLUG TO TOP PERF, TOOH
5/11/2002	12:30 - 14:00	1.50	NUND	a	OBJECT	LAY DOWN MOTOR & MILL, PU C/O TOOL TIH CHASE PLUG TO 2835'.
	14:00 - 17:00	3.00	COUT	a	OBJECT	BLOW WELL FROM 2835' TO ABOVE PERFS @ 2770', RETURNS 3-5 BPH WATER 2-3 CUPS SAND. SAND CONCENTRATION DOWN TO 1/4 TO 1/2 CUP EVERY 10 MIN, SWSD.
	06:00 - 07:00	1.00	MIMO	a	OBJECT	ROAD CREW TO LOCATION
	07:00 - 07:30	0.50	SAFE	a	OBJECT	SAFETY MEETING W/ 2-COIL TBG HANDS, 2 DRIVERS, TOOL HAND, SUPERVISOR, TOPIC (FINGER CATCH POINTS)
	07:30 - 08:00	0.50	NUND	a	OBJECT	NU QUICK CONNECT,
	08:00 - 12:00	4.00	COUT	a	OBJECT	NU MOTOR & MILL, TIH TAG FILL @ 2810 20' SAND FILL, TOOH LAY DOWN MOTOR, PU CLEAN OUT TOOL TIH, C/O TO 2840' 58' PERFS COVERED UNABLE TO WORK CLEANING TOOL BELOW 2840', RETURNS 3-4 CUPS SAND, 4-5 BPH WATER.
	12:00 - 17:00	5.00	BLOW	a	OBJECT	CONTINUE TO BLOW WELL FROM PBTD, RETURNS 2-3 CUPS SAND, 4-5 BPH WATER, PULL WATER SAMPLE FOR TESTING.
5/12/2002	17:00 - 06:00	13.00	FLOW	a	OBJECT	FLOW WELL OVERNIGHT, RETURNS REMAIN 4-5 BPH, SAND DROPPING OFF TO 1-2 CUPS AFTER 02:00 HRS. CONTINUE FLOWING. (TAKE SAMPLE TO SCHLUMBERGER DOWELL)
	06:00 - 06:00	24.00	FLOW	a	OBJECT	FLOW WELL BACK FOR C/U, LAST 24 HRS SAND CONCENTRATION DROPPED OFF TO (0) ENTRY, WATER RATE

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5/12/2002	06:00 - 06:00	24.00	FLOW	a	OBJECT	DROP FORM 5-6 BPH TO .9 BPH. GAS INCREASING, FLOWING BACK THROUGH 3" FLOW LINE APPROX 300 MCF. CONTINUE FLOW BACK
5/13/2002	06:00 - 06:00	24.00	FLOW	a	OBJECT	FLOW BACK SUMMARY, WATER RATES DIMINISH FROM 6 TO 7 BPH TO .5 BPH, SAND FROM 3-4 CUPS TO (0). GAS INCREASE FROM TRACE TO APPROX 300 MCF.
5/14/2002	06:00 - 07:00	1.00	MIMO	a	OBJECT	ROAD TO LOCATION
	07:00 - 07:30	0.50	SAFE	a	OBJECT	SAFETY MEETING W/ 2 COIL TBG HANDS, 2 TRK DRIVERS, 1 TOOL HAND, SUPERVISOR, TOPIC (HIGH PRESSURE)
	07:30 - 08:00	0.50	COUT	a	OBJECT	TIH TAG FILL 2830' 15' FILL OVER WEEKEND, C/O TO PLUG 2845' TOOH
	08:00 - 09:30	1.50	RRSR	a	OBJECT	REPAIR WATER LEAK IN INJECTION LINE.
	09:30 - 15:00	5.50	MILL	a	OBJECT	PU MOTOR & MILL TIH TO 2845' ADJUST WATER TO 12 GAL PM. 330 CFM AIR, ATEMPT TO MILL OUT REM OF PLUG, RETURNS GOOD, SOME FRAC SAND, SOME SMALL COAL CUTTINGS UNABLE TO MAKE PROGRESS FROM 2840' . LAY MOTOR DOWN, BLOW WELL FROM 2840'
	15:00 - 16:00	1.00	FLOW	a	OBJECT	FLOW WELL FOR 1-HR, PITOT TEST 5OZs 352 MCF. RD UNIT, (SUMMARY) RU C/O SAND FILL FROM FRAC DOWN TO 2780' TBG PLUG, TOOH PU MOTOR & MILL, MILL OUT TBG PLUG, PUSH DOWN TO 2840' FLOW WELL OVER WEEKEND, RECOVER APPROX 173 BBLS FRAC FLUID, PU MOTOR & MILL UNABLE TO MILL PAST 2840', FLOW WELL 1-HR, PERFORM PITOT TEST, 5 OZs 352 MCF RELEASE COIL. TBG UNIT 16:00 HRS 5-13-2002