

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

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

APPLICATION FOR
WELL WORKOVER PROJECT

I. Operator and Well

Operator name address Burlington Resources Oil and Gas Co. LPPO Box 4289, Farmington, NM 87499					OGRID Number 014538	
Contact Party Peggy Cole					Phone 505/326-9700	
Property Name GRENIER			Well Number 12		API Number 3004510673	
UL P	Section 13	Township 31 N	Range 12 W	Feet From The 790 FSL	Feet From The 790 FEL	County SAN JUAN

II. Workover

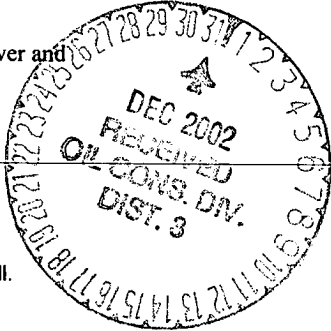
Date Workover Commenced 2/20/2002	Previous Producing Pool(s) (Prior to Workover): BASIN DAKOTA
Date Workover Completed: 3/4/2002	

- 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 12-27-02
SUBSCRIBED AND SWORN TO before me this 27th day of December 2002

My Commission expires: September 15, 2004 Notary Public *Nancy Olthmann*



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 03-04, 2002.

Signature District Supervisor <u><i>Charles Thorne</i></u>	OCD District <u><i>AZTEC III</i></u>	Date <u>01-10-2003</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

REG_DTL_D	BASIN DAKOTA	BLANCO MESAVERDE
1/1/2001	1486	
2/1/2001	1708	
3/1/2001	2865	
4/1/2001	0	
5/1/2001	3961	
6/1/2001	3388	
7/1/2001	3280	
8/1/2001	3402	
9/1/2001	2874	
10/1/2001	3141	
11/1/2001	2049	
12/1/2001	3248	
1/1/2002	2699	
2/1/2002	1398	
3/1/2002	2826	11304
4/1/2002	2922	11688
5/1/2002	2744	10977
6/1/2002	2019	8076

Operations Summary Report

Legal Well Name: GRENIER #12
 Common Well Name: GRENIER #12
 Event Name: CAP WORKOVER
 Contractor Name: DRAKE WELL SERVICE
 Rig Name: DRAKE

Start: 2/20/2002
 Rig Release: 3/4/2002
 Rig Number: 29

Spud Date: 7/15/1962
 End: 3/4/2002
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/21/2002	06:00 - 12:00	6.00	MIMO	a	PREWRK	ROAD RIG TO LOCATION, CSG PSI = 190#, TBG = 170#
	12:00 - 15:00	3.00	RURD	a	PREWRK	RIG UP ASSOCIATED EQUIPMENT AS IT ARRIVED ON LOCATION, LAY BLOW DOWN LINE, BLOW WELL DOWN
	15:00 - 16:00	1.00	NUND	a	OBJECT	ND WELLHEAD, NU BOP
	16:00 - 16:30	0.50	RURD	a	OBJECT	RIG UP FLOOR TO PULL TBG, JAR HANGER OUT OF WELLHEAD, LD HANGER
2/22/2002	16:30 - 18:00	1.50	TRIP	a	OBJECT	POOH W/ 148 JTS 2-3/8" TBG, SLM
	05:30 - 07:00	1.50	SRIG	a	OBJECT	ROAD CREW TO LOCATION, SERVICE RIG
	07:00 - 07:15	0.25	SAFE	a	OBJECT	SAFETY MEETING W/ CREW { RIGGING UP WIRELINE }
	07:15 - 07:45	0.50	WAIT	a	OBJECT	WAIT ON ELEVATORS { 2-3/8" ELEVATORS STOLEN FROM RIG OVERNIGHT }
	07:45 - 08:30	0.75	TRIP	a	OBJECT	FINISH POOH W/ 2-3/8" TBG, SLM
	08:30 - 08:45	0.25	RURD	a	OBJECT	RIG UP BASIN WLS
	08:45 - 09:45	1.00	CASE	a	OBJECT	SET CIBP IN 4-1/2" CSG @ 7004'
	09:45 - 10:45	1.00	CIRC	a	OBJECT	LOAD HOLE W/ 2% KCL
	10:45 - 12:00	1.25	CASE	a	OBJECT	RUN CCL/GR/CBL 5507' - 3380', TOC @ 3380'
	12:00 - 13:30	1.50	TRIP	a	OBJECT	PICK UP 4-1/2" BAKER PKR, TIH TO 3600'
	13:30 - 14:00	0.50	PRES	a	OBJECT	PRESSURE TEST CSG 3600' - 7004', CIBP TO 3000 PSI
	14:00 - 15:30	1.50	TRIP	a	OBJECT	POOH W/ TBG, PKR, LAY DOWN PKR
2/23/2002	15:30 - 16:00	0.50	SRIG	a	OBJECT	DRAIN PUMP. WINTERIZE RIG, SDFD
	05:30 - 07:00	1.50	SRIG	a	OBJECT	ROAD CREW TO LOCATION, SERVICE RIG
	07:00 - 07:15	0.25	SAFE	a	OBJECT	SAFETY MEETING W/ CREW { PERFORATING }
	07:15 - 08:45	1.50	PERF	a	OBJECT	RIG UP BASIN PERFORATORS, PERF LWMN/PTLO 2-SPF 5034' - 5174, 1-SPF 5002' - 4576' W/ 3-1/8" CGS GUN W/ OWEN - 302 CHARGES 10 GRAM CHARGES @ 120 DEGREE PHASING FOR A TOTAL OF 36 HOLES
2/26/2002	08:45 - 09:00	0.25	RURD	a	OBJECT	RIG DOWN BASIN
	09:00 - 09:30	0.50	PULD	a	OBJECT	PICK UP TOOLS TO RUN 2-7/8" TBG
	09:30 - 10:00	0.50	NUND	a	OBJECT	CHANGE RAMS IN BOP TO 2-7/8"
	10:00 - 13:00	3.00	PULD	a	OBJECT	PICK UP 4-1/2" PKR, 115 JTS 2-7/8" N-80 BUTTRUSS TBG, TIH TO 3600', SDFWE
	05:30 - 07:30	2.00	RURD	a	OBJECT	RIG UP HOWCO FRAC EQUIPMENT
	07:30 - 07:45	0.25	STIM	a	OBJECT	BREAK DOWN PTLO/MEN @ 834# @ 3.4 BPM, ESTABLISH INJECTION RATE OF 15 BPM @ 3350#, ISIP = VAC
	07:45 - 08:00	0.25	SAFE	a	OBJECT	SAFETY MEETING W/ ALL PERSONEL ON LOCATION { FRAC PROCEDURE }
	08:00 - 08:30	0.50	RURD	a	OBJECT	RIG UP FRAC VALVE & 5M FLANGE TO BOP, LOAD ANNULUS, SET PKR @ 3598'
	08:30 - 08:45	0.25	PRES	a	OBJECT	TEST LINES TO 7000 PSI
	08:45 - 10:30	1.75	FRAC	a	OBJECT	FRAC PTLO/MEN AS FOLLOWS, BULLHEAD 20 BBLs 15% HCL TO PERFS AHEAD OF FRAC, FRAC W/ SLICKWATER & 100,000# 20/40 BRADY SAND @ 43 BPM & AVG PSI = 4446#, ISIP = 396#, 15 MIN = 270#
	10:30 - 11:15	0.75	RURD	a	OBJECT	BLEED DOWN PRESSURE, RIG DOWN FRAC VALVE & FLANGE
	11:15 - 12:00	0.75	TRIP	a	OBJECT	RELEASE PKR, POOH W/ TBG
	12:00 - 12:30	0.50	CASE	a	OBJECT	RU BASIN, SET CIBP IN 4-1/2" CSG @ 3900'
	12:30 - 13:30	1.00	CASE	a	OBJECT	PERF LEWIS SHALE 3836' - 3390' W/ 3-1/8" CSG GUN W/ 10 GRAM CHARGES { OWEN 302 }
	13:30 - 14:30	1.00	TRIP	a	OBJECT	TIH W/ PKR TO 3876', SET PKR
	14:30 - 14:45	0.25	WAIT	a	OBJECT	TEST CIBP TO 3000#
	14:45 - 15:00	0.25	PULD	a	OBJECT	PUH, LAY DOWN 18 JTS 2-7/8" TBG, SET PKR @ 3282'
	15:00 - 15:15	0.25	RURD	a	OBJECT	RIG UP FRAC VALVE, BOLT FLANGE TO BOP
	15:15 - 15:30	0.25	PRES	a	OBJECT	TEST LINES TO 7000#

Operations Summary Report

Legal Well Name: GRENIER #12

Common Well Name: GRENIER #12

Event Name: CAP WORKOVER

Contractor Name: DRAKE WELL SERVICE

Rig Name: DRAKE

Start: 2/20/2002

Rig Release: 3/4/2002

Rig Number: 29

Spud Date: 7/15/1962

End: 3/4/2002

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/26/2002	15:30 - 15:45	0.25	STIM	a	OBJECT	BREAK DOWN LEWIS @ 2038 PSI @ 4.7 BPM, ISIP = 640 PSI, ESTABLISH INJECTION RATE OF 8 BPM @ 2373 PSI, ACIDIZE W/ 20, BBLS 15% HCL & 80 7/8" RCN BALL SEALERS @ 6 BPM @ 1977 PSI, FLUSH @ 9 BPM @ 2197 PSI - 2285 PSI
	15:45 - 16:30	0.75	STIM	a	OBJECT	COOL DOWN, WAIT ON BIO-BALLS TO DISSOLVE
	16:30 - 17:45	1.25	FRAC	a	OBJECT	FRAC LEWIS W/ FOAM FRAC & 90,000# 20/40 BRADY SAND @ 41 BPM @ 4303 PSI, FLUSH W/ N2 AFTER LOOSING PRIME, ISIP = 2021 PSI
	17:45 - 19:45	2.00	RURD	a	OBJECT	RIG DOWN HALLIBURTON, FRAC VALVE LOCKED OUT UNTIL ALL HOWCO EQUIPMENT OFF LOCATION
	19:45 - 05:30	9.75	FLOW	a	OBJECT	FLOW WELL BACK ON CHOKE SCHEDULE AS FOLLOWS TIME---PSI---CHK---SND---WTR 1930 1900 10 0 MM 2100 1500 12 0 HM 2300 1500 14 0 HM-MF 0100 1400 16 0 MF 0300 1300 18 0 HM-MF 0500 1150 20 0 HM-MF
2/27/2002	05:30 - 13:00	7.50	FLOW	a	OBJECT	FLOW BACK ON CHOKE SCHEDULE TM---PSI---CHK---SND---WTR 0700 900 28 0 HM 0900 550 30 0 HM 1000 430 34 0 HM-LF 1100 300 38 0 LM-LF 1300 200 2" 0 LM
	13:00 - 16:00	3.00	TRIP	a	OBJECT	KILL WELL W/ 30 BBLS 2% KCL, RELEASE PKR, POOH, LAY DOWN PKR
	16:00 - 17:15	1.25	TEST	a	OBJECT	PICK UP 3-7/8" MILL, TIH, TAG SAND FILL @ 3550'
	17:15 - 17:30	0.25	PULD	a	OBJECT	RIG UP POWER SWIVEL
	17:30 - 18:00	0.50	CIRC	a	OBJECT	ESTABLISH CIRCULATION W/ 1350 SCFM AIR, 12-14 BBLS/HR MIST, WELL UNLOADING 15 BW/HR & LITE SAND
	18:00 - 18:30	0.50	TRIP	a	OBJECT	PUH TO 3350', CIR & BLOW WELL OVERNIGHT, WATER DECREASED TO 4.5 BBLS/HR W/ TRACE OF SAND
	18:00 - 18:30	0.50	TRIP	a	OBJECT	ROAD CREW TO LOCATION, SERVICE RIG, CONTINUE TO BLOW WELL, MAKING 3 BWPH W/ TRACE OF SAND
2/28/2002	05:30 - 07:00	1.50	SRIG	a	OBJECT	SAFETY MEETING W/ CREW { TRIPPING PIPE } LAY DOWN POWER SWIVEL
	07:00 - 07:15	0.25	SAFE	a	OBJECT	TIH, TAG SAND @ 3866'
	07:15 - 07:30	0.25	PULD	a	OBJECT	CLEAN OUT SAND TO 3900', MILL OUT CIBP, SWEEP HOLE
	07:30 - 07:45	0.25	TRIP	a	OBJECT	LAY DOWN POWER SWIVEL
	07:45 - 08:45	1.00	MILL	a	OBJECT	TIH, TAG SAND @ 6570'
	08:45 - 09:00	0.25	RURD	a	OBJECT	PICK UP POWER SWIVEL
	09:00 - 09:45	0.75	TRIP	a	OBJECT	REPAIR CLUTCH
	09:45 - 10:00	0.25	PULD	a	OBJECT	CLEAN OUT SAND 6570' - 7008'
	10:00 - 10:15	0.25	RRSR	a	OBJECT	MILL OUT CIBP @ 7008'
	10:15 - 15:00	4.75	COUT	a	OBJECT	MILL OVER JUNK, CLEAN OUT TO PBTD
	15:00 - 16:30	1.50	MILL	a	OBJECT	PUH ABOVE PERFS, BLOW W/ AIR OVERNIGHT
	16:30 - 17:30	1.00	COUT	a	OBJECT	BLOW WELL W/ AIR, IST OVERNIGHT, MAKING 9.5 BWPH W/ 3/4 CUP SAND, DECREASING TO 7.5 BWPH W/ 1/2 CUP SAND
	17:30 - 18:00	0.50	TRIP	a	OBJECT	ROAD CREW TO LOCATION, SERVICE RIG, CONTINUE TO BLOW W/ AIR/MIST, MAKING 8-1/2 BWPH W/ 1/2 CUP SAND
	18:00 - 05:00	11.00	BLOW	a	OBJECT	SAFETY MEETING W/ CREW { PICKING UP SWIVEL } CLEAN OUT TO PBTD, SWEEP HOLE { 20' FILL }, BLOW WELL W, 1
3/1/2002	05:30 - 07:00	1.50	SRIG	a	OBJECT	
	07:00 - 07:15	0.25	SAFE	a	OBJECT	
	07:15 - 08:00	0.75	COUT	a	OBJECT	

Operations Summary Report

Legal Well Name: GRENIER #12
 Common Well Name: GRENIER #12
 Event Name: CAP WORKOVER
 Contractor Name: DRAKE WELL SERVICE
 Rig Name: DRAKE

Spud Date: 7/15/1962
 Start: 2/20/2002 End: 3/4/2002
 Rig Release: 3/4/2002 Group:
 Rig Number: 29

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/1/2002	07:15 - 08:00	0.75	COUT	a	OBJECT	& 1
	08:00 - 05:00	21.00	BLOW	a	OBJECT	BLOW WELL W/ 1 & 1 TO CLEAN UP, SWEEP HOLE W/ 3 BBLS FOAM, WELL MAKING 7.2 BBLS/HR WATER, 1/2 CUP SAND
3/2/2002	05:30 - 07:00	1.50	BLOW	a	OBJECT	DECRWASING TO 6.5 BWPH W/ TABLESPOON OF SAND
	07:00 - 07:15	0.25	SAFE	a	OBJECT	ROAD CREW TO LOCATION, SERVICE RIG, BLOW W/ AIR/MIST, WELL MAKING 7 BWPH W/ 1/2 CUP SAND
	07:15 - 07:30	0.25	TRIP	a	OBJECT	SAFETY MEETING { BLEEDING OFF PRESSURE }
	07:30 - 08:00	0.50	COUT	a	OBJECT	RIH, TAG 34' FILL
	08:00 - 12:00	4.00	FLOW	a	OBJECT	CLEAN OUT TO PBTD, SWEEP HOLE
	12:00 - 13:00	1.00	COUT	a	OBJECT	PUH 60', FLOW NATURAL, WELL MAKING 7 BWPH W/ 1/4 CUP SAND
	13:00 - 05:00	16.00	COUT	a	OBJECT	RIH, TAG 8' SAND, CLEAN OUT W/ AIR MIST, WELL MAKING 8-1/2 BWPH W/ 1/4 CUP SAND W/ AIR ON HOLE
3/3/2002	05:30 - 05:30	24.00	FLOW	a	OBJECT	PUH 120', FLOW NATURAL, BLOW W/ AIR-MIST OVERNIGHT, WELL MAKING 8-1/2 BWPH & 1/4 CUP SAND DECREASING TO 6 BWPH W/ TABLESPOON SAND
3/4/2002	05:30 - 05:30	24.00	FLOW	a	OBJECT	FLOW NATURAL, BLOW W/ AIR MIST TO UNLOAD HOLE, WELL MAKING 6 BWPH & TABLESPOON OF SAND DECREASING TO 4.6 BWPH W/ TRACE OF SAND
3/5/2002	05:30 - 07:00	1.50	SRIG	a	OBJECT	BLOW W. AIR MIST & FLOW NATURAL TO CLEAN UP SAND & WTR, WELL MAKING 4.6 BWPH W/ TRACE OF SAND DECREASING TO 3.2 BWPH W/ TRACE OF SAND
	07:00 - 07:15	0.25	SAFE	a	OBJECT	ROAD CREW TO LOCATION, SERVICE RIG, CONTINUE TO FLOW NATURAL
	07:15 - 08:00	0.75	TRIP	a	OBJECT	SAFETY MEETING W/ CREW { TRIPPING PIPE }
	08:00 - 08:30	0.50	COUT	a	OBJECT	TIH, TAG 36' FILL
	08:30 - 09:00	0.50	CIRC	a	OBJECT	CLEAN OUT SAND TO 7298'
	09:00 - 11:00	2.00	TRIP	a	OBJECT	SWEEP HOLE, DRY UP WELLBORE
	11:00 - 14:15	3.25	TRIP	a	OBJECT	POOH, LAY DOWN MILL
	14:15 - 14:45	0.50	NUND	a	OBJECT	TIH W/ EXPENDABLE CHECK, TAIL JT, SEATING NIPPLE, 129 JTS
	14:45 - 15:30	0.75	PUMP	a	OBJECT	2-3/8" EUE 8 RD 4.6# TBG TO 7183' { BROACH TBG ON TIH }, LAND
	15:30 - 16:00	0.50	RURD	a	OBJECT	END OF TBG @ 7183', SEATING NIPPLE @ 7152'
						NIPPLE DOWN BOP, NU WELLHEAD
						PUMP OFF CHECK,W/ WATER, BOOSTER ON AIR PACKAGE
						DOWN, UNABLE TO PUMP OFF W/ AIR
						RIG DOWN RIG EQUIPMENT