

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**

**APPLICATION FOR
WELL WORKOVER PROJECT**

II. Workover

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:

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 7-24, 2002.

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

SAN JUAN 29-7 UNIT

92R

3003925342

REG_DTL_D	BLANCO MESAVERDE	BASIN FRUITLAND COAL (GAS)
7/1/2001	16512	
8/1/2001	16343	
9/1/2001	14954	
10/1/2001	15302	
11/1/2001	10272	
12/1/2001	15367	
1/1/2002	14622	
2/1/2002	13428	
3/1/2002	14826	
4/1/2002	14531	
5/1/2002	15036	
6/1/2002	11526	
7/1/2002	6546	6546
8/1/2002	10385	10385
9/1/2002	8623	8623
10/1/2002	7581	7581

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Operations Summary Report

Legal Well Name: SAN JUAN 29-7 UNIT #92R

Common Well Name: SAN JUAN 29-7 UNIT #92R

Event Name: CAP WORKOVER

Contractor Name: AZTEC WELL SERVICE

Rig Name: AZTEC

Spud Date: 05/31/1994

Start: 07/18/2002 End: 07/24/2002

Rig Release: 07/24/2002 Group:

Rig Number: 521

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
07/19/2002	09:00 - 10:30	1.50	MIMO	a	PREWRK	ROAD RIG TO LOCATION, TBG 190 PSI, CSG 220 PSI
	10:30 - 13:45	3.25	RURD	a	PREWRK	RU RIG & EQUIPMENT
	13:45 - 14:30	0.75	BLOW	a	OBJECT	NU BLOW LINE TO PIT, BLOW WELL DOWN, KILL TBG W 15 BBL WATER
	14:30 - 15:00	0.50	NUND	a	OBJECT	NDWH, NUBOP, UNSEAT TBG HANGER
	15:00 - 16:45	1.75	TRIP	a	OBJECT	TOOH W 178 JTS 2.375" J-55 EUE 8RD TBG W SEATING NIPPLE 1 JT OFF BTM & X-CHECK ON BTM
	16:45 - 18:00	1.25	WIRE	a	OBJECT	RU BASIN RIH W 7" RBP & SET @ 3150', POOH
	18:00 - 19:00	1.00	NUND	a	OBJECT	NU FRAC VALVE W ISOLATION SUB
	19:00 - 19:30	0.50	PUMP	a	OBJECT	LOAD CSG W 127 BBLs WTR
	19:30 - 20:00	0.50	PRES	a	OBJECT	PRESSURE TEST CSG & RBP TO 3200 PSI FOR 15 MINS, HELD OK, SECURE LOCATION, SDFN
07/20/2002	06:30 - 07:00	0.50	SRIG	a	PREWRK	ROAD CREW TO LOCATION, SERVICE & START RIG
	07:00 - 07:30	0.50	SAFE	a	PREWRK	HSM, TOPIC: WORKING AROUND PERFORATING EQUIPMENT, RIG CREW PRESENT
	07:30 - 08:30	1.00	PERF	a	OBJECT	RU WIRELINE, RIH & PERF FT COAL 2 SPF, 90 DEG PHASING @ 3096-3098, 3084-3094, 3056-3058, 3015-3022, 2885-2888, (48 SHOTS) 2 GUN RUNS, ALL SHOTS FIRED
	08:30 - 10:30	2.00	RURD	a	OBJECT	RU DOWELL
	10:30 - 10:45	0.25	SAFE	a	OBJECT	HOLD PREJOB SAFETY MEETING, 27 PEOPLE ON LOCATION
	10:45 - 11:30	0.75	FRAC	a	OBJECT	BREAK DOWN W 2% KCL & SPEARHEAD 1000 GAL 15% HCL PUMP 5000 GAL 25# X-LINK GEL PREPAD @ 25 BPM @ 1614 TO 1800 PSI
						PUMP 20,00 GAL 25# X-LINK GEL FOAM PAD @ 70 QUALITY FOAM @ 55 BPM @ 1940 TO 2440 PSI
						PUMP APPROX 90,000# 20/40 ARIZONA SAND @ .25 TO 4 PPG SAND CONC @ 68 TO 71 QUALITY FOAM 25# LINEAR GEL @ 55 TO 51 BPM @ 2200 TO 3060 PSI
						DISPLACE W 33 FLUID BBL & 44,800 SCF N2 POST FRAC ISIP 2084
07/21/2002	11:30 - 13:00	1.50	RURD	a	OBJECT	RD DOWELL & RU FLOW BACK CHOKE MANIFOLD
	13:00 - 05:30	16.50	FLOW	a	OBJECT	FLOW BACK FRUITLAND COAL
						1300 HRS, 1700 PSI SIP, OPEN ON 8/64 CHOKE
						1330 HRS, 1425 PSI, DRY, CHANGE TO 10/64
						1400 HRS, 1300 PSI, DRY, CHANGE TO 12/64
						1430 HRS, 1050 PSI, DRY, CHANGE TO 14/64
						1500 HRS, 920 PSI, DRY CHANGE TO 16/64
						1530 HRS, 900 PSI, HM, NF, NS, 16/64
						1900 HRS, 750 PSI, HM, LF, NS, 16/64
07/22/2002	05:30 - 05:30	24.00	FLOW	a	OBJECT	2200 HRS, 700 PSI, HM, NF, NS, 16/64
						0300 HRS, 620 PSI, HM, NF, NS, 16/64
						0530 HRS, 590 PSI, HM, NF, NS, 16/64
						FLOW BACK FRUITLAND COAL
						0900 HRS, 535 PSI, MM, NF, FS, 16/64
						1300 HRS, 500 PSI, MM, NF, NS, 16/64
						1700 HRS, 475 PSI, MM, NF, NS, 16/64
						2100 HRS, 365 PSI, MM, NF, NS, 16/64
						2300 HRS, 345 PSI, DRY, NS, CHANGE TO 18/64
07/22/2002	13:00 - 05:30	16.50	FLOW	a	OBJECT	2400 HRS, 305 PSI, HM, LF, NS, 18/64
						0200 HRS, 220 PSI, DRY, NS, CHANGE TO 32/64
						0300 HRS, 200 PSI, MM, LF, NS, 32/64
						0500 HRS, 120 PSI, MM, LF, NS, 32/64
						FLOW BACK FRUITLAND COAL

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Common Well Name: SAN JUAN 29-7 UNIT #92R

Event Name: CAP WORKOVER

Contractor Name: AZTEC WELL SERVICE

Rig Name: AZTEC

Start: 07/18/2002

Rig Release: 07/24/2002

Rig Number: 521

Spud Date: 05/31/1994

End: 07/24/2002

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
07/22/2002	13:00 - 05:30	16.50	FLOW	a	OBJECT	0600 HRS, 110 PSI, MM, NF, NS, 32/64 0700 HRS, 80 PSI, MM, NF, NS, 36/64 0900 HRS, 70 PSI, MM, NF, NS, 40/64 1100 HRS, 60 PSI, MM, LF, NS, 44/64 1300 HRS, 55 PSI, MM, LF, NS, 48/64 1500 HRS, 41 PSI, DRY, NF, NS, 48/64 1700 HRS, 34 PSI, DRY, NF, NS, 48/64 1800 HRS, 38 PSI, SURGING, LM, NF, NS, 48/64 2100 HRS, 34 PSI, DRY, NF, NS, 48/64 2400 HRS, 32 PSI, SURGING, LM, NF, NS, 48/64 0200 HRS, 36 PSI, DRY, NF, NS, 48/64 0500 HRS, 28 PSI, DRY, NF, NS, 48/64
07/23/2002	05:00 - 06:30	1.50	FLOW	a	OBJECT	FLOW WELL BACK
	06:30 - 07:00	0.50	SRIG	a	PREWRK	ROAD CREW TO LOCATION, SERVICE & START RIG
	07:00 - 07:30	0.50	SAFE	a	PREWRK	HSM, TOPIC: EMERGENCY COMMUNICATIONS, MAINTAIN PHONE COMMUNICATION, RIG CREW PRESENT
	07:30 - 07:45	0.25	KILL	a	OBJECT	KILL WELL W 25 BBL WTR
	07:45 - 10:00	2.25	NUND	a	OBJECT	ND FRAC VALVE, FRAC Y & ISOLATION SUB, NU BLOOIE LINE TO PIT
	10:00 - 10:45	0.75	TRIP	a	OBJECT	TIH W RETRIEVING HEAD ON 2.375" TBG, TAG SAND @ 2958', PIPE STUCK
	10:45 - 12:00	1.25	STUK	a	OBJECT	WORK STUCK PIPE FREE, CLEAN HEAVY DOWN TO LITE SAND W HEAVY MIST FOR 45 MINS
	12:00 - 15:00	3.00	COUT	a	OBJECT	CO TO & LATCH ON TO RBP @ 3150', CO LITE TO NO SAND W HEAVY MIST
	15:00 - 16:00	1.00	TRIP	a	OBJECT	TOOH & LD 7" RBP
	16:00 - 17:00	1.00	TRIP	a	OBJECT	TIH W X-CHECK, 1 JT 2.375" TBG, SEATING NIPPLE, & 102 JTS 2.375" TBG TO TOP OF LINER
	17:00 - 05:00	12.00	FLOW	a	OBJECT	FLOW WELL NATURAL ON 5.5" BLOOIE LINE W TBG @ LINER TOP 1700 HRS, HEAVY MIST, NO SAND 1900 HRE, HEAVY MIST, NO SAND 2300 HRS, HEAVY MIST, NO SAND 0100 HRS, MODERATE MIST, NO SAND 0500 HRS, MODERATE MIST, NO SAND
07/24/2002	05:00 - 06:30	1.50	FLOW	a	OBJECT	FLOW WELL BACK
	06:30 - 07:30	1.00	SRIG	a	PREWRK	ROAD CREW TO LOCATION, SERVICE & START RIG
	07:30 - 08:00	0.50	SAFE	a	PREWRK	HSM, TOPIC: HOUSEKEEPING, PICK UP ALL TRASH INTO & OUT OF LOCATIONS, RIG CREW PRESENT
	08:00 - 09:00	1.00	TRIP	a	OBJECT	TIH W PRODUCTION STRING & TAG FILL @ 5640'
	09:00 - 11:30	2.50	COUT	a	OBJECT	CO TP PBTD (5703') W 1400 CFM AIR & 5 BPH MIST
	11:30 - 13:00	1.50	FLOW	a	OBJECT	TOOH W 3 STDS, FLOW WELL NATURAL FOR 90 MINS, BROACH PROD TBG TO SEATING NIPPLE,
	13:00 - 14:00	1.00	COUT	a	OBJECT	TIH & TAG FILL @ 5670', CO TO PBTD (5703') W 1400 CFM AIR & 4 BPH MIST, SAND HEAVY DOWN TO TRACE
	14:00 - 15:00	1.00	FLOW	a	OBJECT	FLOW WELL NATURAL FOR 1 HRS
	15:00 - 16:30	1.50	COUT	a	OBJECT	TIH & TAG FILL @ 5685', CO TO PBTD W 700 CFM AIR & 4 BPH MIST
	16:30 - 17:00	0.50	TRIP	a	OBJECT	TOOH W 3 STDS, BLOW W 700 CFM AIR & 4 BPH MIST
	17:00 - 05:00	12.00	BLOW	a	OBJECT	ALTERNATE NATURAL FLOW & BLOW WELL W 1 COMPR, 1 BOOSTER & 4 BPH MIST, MODERATE TO LITE MIST, LITE TO TRACE OF SAND
07/25/2002	05:00 - 06:30	1.50	FLOW	a	OBJECT	ALTERNATE FLOW & BLOW WELL

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Start: 07/18/2002 End: 07/24/2002

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Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
07/25/2002	06:30 - 07:00	0.50	SRIG	a	PREWRK	ROAD CREW TO LOCATION, SERVICE & START RIG
	07:00 - 07:15	0.25	SAFE	a	PREWRK	HSM, TOPIC: SAFE DRIVING ON PAVEMENT & DIRT ROADS , RIG CREW PRESENT
	07:15 - 07:30	0.25	TRIP	a	OBJECT	TIH W PRODUCTION STRING & TAG FILL @ 5698' (5' FILL)
	07:30 - 08:15	0.75	COU	a	OBJECT	CO TP PBTD (5703') W 1400 CFM AIR & 5 BPH MIST
	08:15 - 09:15	1.00	TEST	a	OBJECT	PITOT CSG ON 2" LINE AS FOLLOWS: 15 MINS, 18 PSI, 2684 MCFD, DRY 30 MINS, 17 PSI, 2595 MCFD, DRY 45 MINS, 16 PSI, 2506 MCFD, DRY 60 MINS, 16 PSI, 2506 MCFD, DRY
	09:15 - 10:00	0.75			OBJECT	LD 4 JTS 2-3/8" TBG, LAND TBG @ 5597.13', ND BOP'S & NU TBG HEAD, TBG BREAK DOWN AS FOLLOWS: 1 - 2-3/8" EXPENDABLE CHECK 0.86' 1 JT - 2-3/8" 4.7# EUE 8RD J-55 TBG 31.39' 1 - 2-3/8" SEATING NIPPLE W/ 1.78" ID 1.10' 177 JTS - 2-3/8" 4.7# EUE 8RD J-55 TBG 5584.13' K.B. 13. TOTAL 5597.13'
	10:00 - 10:45	0.75	PUMP	a	OBJECT	S.N. @ 5563.78' PUMP OFF EXPENDABLE CHECK @ 1080 PSI, REVERSE CIRC UP TBG
	10:45 - 12:00	1.25	TEST	a	OBJECT	RUN 1 HR PITOT ON MV, LEWIS & FT COAL THRU 2" LINE 15 MINS, 3.5 PSI, 1150 MCFD, LITE MIST 30 MINS, 3.0 PSI, 1065 MCFD, LITE MIST 45 MINS, 2.5 PSI, 970 MCFD, LITE MIST 60 MINS, 2.5 PSI, 970 MCFD, LITE MIST
						RD RIG & EQUIPMENT, MOVE TO MANZANARES WATER WELL #1
						WELL SUMMARY: MIRU RIG & EQUIP, TOH W TBG, RU BASIN PERFORATORS, RIH W RBP & SET @ 3150, PRES TEST CSG TO 3200 PSI, PERF FT COAL W 48 HOLES, RU DOWELL & FRAC FT COAL, FLOW BACK FRAC AS PER SCHEDULE, TIH & RETRIEVE RBP, CLEAN OUT TO PBTD, LAND PRODUCTION TBG @ 5597', PITOT MV & FT COAL ON CSG @ 2506 MCFD, PUMP EXPENDABLE CHECK, PITOT MV & FT COAL ON TBG @ 1756 MCF, RDMO RIG & EQUIPMENT