

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**

APPLICATION FOR  
WELL WORKOVER PROJECT

**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

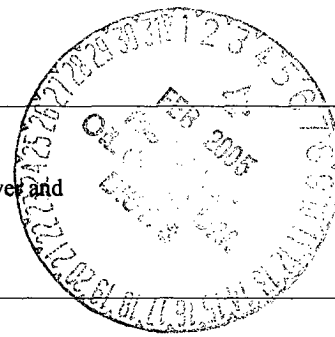
**I. Operator and Well**

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>SAN JUAN 28-5 UNIT</b>			Well Number <b>17</b>		API Number <b>3003907364</b>	
UL <b>K</b>	Section <b>20</b>	Township <b>28 N</b>	Range <b>5 W</b>	Feet From The <b>1475 FSL</b>	Feet From The <b>1825 FWL</b>	County <b>RIO ARRIBA</b>

**II. Workover**

Date Workover Commence <b>6/2/2004</b>	Previous Producing Pool(s) (Prior to Workover): <b>BLANCO MESAVERDE</b>
Date Workover Completed: <b>6/9/2004</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>2/2/05</u>
SUBSCRIBED AND SWORN TO before me this <u>2nd</u> day of <u>February</u> 2005	
My Commission expires: <u>September 22, 2008</u> <u>Nancy Oltmann</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 6-9, 2004.

Signature District Supervisor <u>Chad Herr</u>	OCD District <u>AZTEC III</u>	Date <u>02-07-2005</u>
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**VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:**

## BLANCO MESAVERDE

REG\_DTL\_D

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6/1/2003	4536
7/1/2003	4396
8/1/2003	4270
9/1/2003	4125
10/1/2003	4405
11/1/2003	4383
12/1/2003	4436
1/1/2004	4149
2/1/2004	2177
3/1/2004	4729
4/1/2004	4081
5/1/2004	3540
6/1/2004	2789
7/1/2004	5812
8/1/2004	5477
9/1/2004	5112

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## Operations Summary Report

Legal Well Name: SAN JUAN 28-5 UNIT #17  
Common Well Name: SAN JUAN 28-5 UNIT #17  
Event Name: CAP WORKOVER  
Contractor Name: AZTEC WELL SERVICE  
Rig Name: AZTEC

Spud Date: 05/15/1957  
Start: 06/02/2004 End: 06/09/2004  
Rig Release: 06/09/2004 Group:  
Rig Number: 449

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
06/03/2004	06:00 - 08:00	2.00	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 . CREW WAS LATE DUE TO HAVING TO WAIT ON WELDER & POWERWASHER TO FOLLOW TO LOC .
	08:00 - 08:30	0.50	MIMO	a	MIRU	ROAD RIG FROM SJ 28-6 # 94 TO SJ 28-5 # 17 .
	08:30 - 13:00	4.50	RRSR	a	OBJECT	WELD FALL ARREST ON DERRICK , TRY TO FIX LEAK ON HYDROMATIC TANK , WASH DERRICK , PUT RIG ON RAMP .
	13:00 - 14:00	1.00	RURD	a	OBJECT	STAND UP DERRICK & TIGHTEN GUY WIRES .
	14:00 - 16:30	2.50	RURD	a	OBJECT	RU REST OF EQUIP , LAY FLOWLINES , CSG HAD 120 PSI , TBG HAD 80 PSI , BH WAS DEAD .
	16:30 - 17:00	0.50	NUND	a	OBJECT	ND TREE , NU BOP .
	17:00 - 19:30	2.50	TRIP	a	OBJECT	TOOH W/ TBG , TALLY SAME . TBG WAS IN GOOD SHAPE BUT HAD THIN LAYER SCALE ON FIRST 22 STANDS .
06/04/2004	19:30 - 20:00	0.50	SHDN	a	OBJECT	SHUT & LOCK BLINDS , ND STRIPPING HEAD , PU TOOLS & LOC , FUEL UP RIG , SDFD .
	06:00 - 07:00	1.00	SAFE	a	OBJECT	TRAV TO LOC , START RIG , HOLD SAFETY MEETING ON RU WL , RIG CREW , WL HANDS , CONSULTANT WERE PRESENT .
	07:00 - 09:00	2.00	CASE	a	OBJECT	RU WIRELINE , RIH W/ GR/CCL TO CORRELATE W/ 2" INDUCTION LOG , LOG FROM 5117' TO 4400' , POOH , RIH & SET 5 1/2" CIBP @ 5130' , POOH .
	09:00 - 10:00	1.00	WAIT	a	OBJECT	WAIT ON ACID PUMP , THEY WERE LOST .
	10:00 - 11:00	1.00	SPOT	a	OBJECT	RU PUMPLINE , PUMP 500 GALS 15% HCL , RD PUMPLINE .
	11:00 - 12:00	1.00	PUMP	a	OBJECT	LOAD HOLE W/ 140 BBLS OF 2% KCL .
	11:00 - 13:30	2.50	WAIT	a	OBJECT	WENT TO PRESS TEST , BLINDS WOULD NOT HOLD , WENT TO CHANGE OUT INSERTS , CREW HAD WRONG INSERTS , HAD TO CHANGE OUT PIPE RAM INSERTS ALSO .
06/05/2004	13:30 - 14:00	0.50	PRES	a	OBJECT	MU PUP JT W/ COLLAR , SHUT COLLAR UNDER PIPE RAMS , SHUT & LOCK PIPE RAMS , PRESS TEST CSG TO 3000 PSI , TESTED GOOD .
	14:00 - 14:45	0.75	PERF	a	OBJECT	RIH W/ 3 1/8 HSC CSG GUN LOADED W/ TITAN 321T 10 GM CHARGES , PERF LEWIS @ 4552',58',62',74',78',4693',4703',05',09',4826',29',38',40',94',98',4936',43',51',58',66',76',82',5018',21',32',35', @ 1 SPF , FOR A TOTAL OF 26 HOLES .
	14:45 - 16:00	1.25	NUND	a	OBJECT	CHANGE OUT SLIPS , ELEV , RAMS TO 2 7/8" , PU & MU 5 1/2" FULLBORE PKR , 2 JTS OF 2 7/8" TBG , FRAC MANDERAL , SET PKR @ 65' , NU FRAC MANDERAL , MU FRAC VALVE & FRAC - Y .
	16:00 - 16:30	0.50	PUMP	a	OBJECT	BREAKDOWN PERFS @ 650 PSI @ 3 BPM , INJ RATE OF 750 PSI @ 6 BPM . SHUT IN FRAC VALVE , SDFD .
	06:00 - 15:00	9.00	WAIT	a	OBJECT	WAIT ON FRAC CREW .
	15:00 - 17:45	2.75	RURD	a	OBJECT	SPOT IN FRAC EQUIP , RU FRAC LINE , PRESS TEST LINES TO 4000 PSI , TESTED GOOD , HQLD SAFETY MEETING ON FRACING , RIG CREW , FRAC CREW , PKR HAND , FRAC CONSULTANT , CONSULTANT WERE PRESENT .
	17:45 - 18:45	1.00	FRAC	a	OBJECT	SPEARHEAD 420 GALS OF 15% HCL , PUMP 10,000 GAL 75 QUALITY 20# LINEAR GEL PAD @ 30 TO 40 BPM @ 2400 TO 2720 PSI , PUMPED APPROX 200,000# 20/40 BRADY SAND @ 1 TO 3 PPG SAND CONC @ 2400 TO 3010 PSI @ 49 TO 42 BPM , DISPLACE W/ 28 FLUID BBLS & 57,300 SCF N2 , ISIP 1673 PSI , TOTAL FLUID TO RECOVER 635 BBLS , AVG RATE 45 BPM , MAX 49 , MIN 30 , AVG PRESS 2890 , MAX 3010 , MIN 2400 PSI .
	18:45 - 19:45	1.00	RURD	a	OBJECT	RD FRAC LINE & EQUIP , RU FLOWLINE , PRESS TEST LINE W/

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## Operations Summary Report

Legal Well Name: SAN JUAN 28-5 UNIT #17

Common Well Name: SAN JUAN 28-5 UNIT #17

Event Name: CAP WORKOVER

Contractor Name: AZTEC WELL SERVICE

Rig Name: AZTEC

Start: 06/02/2004

Rig Release: 06/09/2004

Rig Number: 449

Spud Date: 05/15/1957

End: 06/09/2004

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
06/05/2004	18:45 - 19:45 19:45 - 06:00	1.00 10.25	RURD FLOW	a a	OBJECT CLEAN	WELL PRESS, TESTED GOOD. FLOW FRAC BACK THRU CHOKE MANIFOLD. 8/64" CHOKE, MAKING HEAVY MIST, NO SAND @ 1400 PSI. 01:00, 10/64" CHOKE, MAKING HEAVY MIST, NO SAND @ 1200 PSI. 03:00, 12/64" CHOKE, MAKING HEAVY MIST, NO SAND @ 1150 PSI. 05:00, 14/64" CHOKE, MAKING HEAVY MIST, LIGHT SAND @ 1000 PSI.
06/06/2004	06:00 - 06:00	24.00	FLOW	a	CLEAN	FLOW FRAC BACK THRU CHOKE MANIFOLD. 14/64" CHOKE, MAKING HEAVY MIST, LIGHT SAND @ 900 PSI. 11:00, 16/64" CHOKE, MAKING HEAVY MIST, TRACE OF SAND @ 850 PSI. 13:00, 18/64" CHOKE, MAKING HEAVY MIST, NO SAND @ 800 PSI. 15:00, 20/64" CHOKE, MAKING HEAVY MIST, NO SAND @ 750 PSI. 17:00, 22/64" CHOKE, MAKING HEAVY MIST, MEDIUM TO HEAVY SAND @ 750 PSI, DROPPED BACK TO 20/64" CHOKE UNTIL SAND CLEANED UP. 04:00, 24/64" CHOKE, MAKING HEAVY MIST, MEDIUM TO LIGHT SAND, TO NO SAND @ 525 PSI.
06/07/2004	06:00 - 06:00	24.00	FLOW	a	CLEAN	FLOW FRAC BACK THRU CHOKE MANIFOLD. 32/64" CHOKE, MAKING HEAVY MIST, NO SAND @ 200 PSI. 10:00, 48/64" CHOKE, MAKING HEAVY TO MODERATE MIST, NO SAND @ 75 PSI. 02:00, FULL 2", SLUGGING 2 TO 3 BBLS EVERY 1 TO 3 MIN, LIGHT SAND, MODERATE GAS.
06/08/2004	06:00 - 07:00	1.00	SAFE	a	OBJECT	TRAV TO LOC, START RIG, HOLD SAFETY MEETING ON ND FRAC EQUIP, RIG CREW, AIR HAND, PKR HAND, CONSULTANT WERE PRESENT.
	07:00 - 07:30	0.50	NUND	a	OBJECT	KILL WELL W/ 10 BBLS OF 2% KCL, ND FRAC VALVE FRAC MANDERL, UNSET PKR, LAY DOWN 2 JTS OF 2 7/8" TBG & 5 1/2" FULLBORE PKR.
	07:30 - 08:00	0.50	RURD	a	OBJECT	CHANGE OUT SLIPS, ELEV, RAMS TO 2 3/8".
	08:00 - 08:45	0.75	TRIP	a	OBJECT	TIH W/ 4 3/4" JUNK MILL TO TOP PERF @ 4552'.
	08:45 - 13:00	4.25	BLOW	a	CLEAN	UNLOAD & BLOW W/ AIR MIST, MAKING 6 TO 8 BPH OF H2O, 1/2 TO 2 CUPS OF SAND.
	13:00 - 13:15	0.25	TRIP	a	OBJECT	SHORT TIH, TAG UP @ 4950', CIBP @ 5130', HAD 180' OF FILL.
	13:15 - 18:00	4.75	COUT	a	CLEAN	CO TO TOP OF CIBP W/ AIR MIST, MAKING 6 TO 10 BPH OF H2O, 1/2 TO 3 CUPS OF SAND.
	18:00 - 20:00	2.00	BLOW	a	CLEAN	BLOW W/ AIR MIST, MAKING 4 TO 6 BPH OF H2O, 1/8 CUP OF SAND.
	20:00 - 22:00	2.00	FLOW	a	CLEAN	FLOW WELL NATURAL, MAKING 2 TO 3 BPH OF H2O, TRACE OF SAND.
	22:00 - 00:00	2.00	BLOW	a	CLEAN	BLOW W/ AIR MIST, MAKING 4 TO 5 BPH OF H2O, 1/8 TO 1 CUP OF SAND.
	00:00 - 02:00	2.00	FLOW	a	CLEAN	FLOW WELL NATURAL, MAKING 2 TO 3 BPH OF H2O, TRACE TO 1/8 CUP OF SAND.
	02:00 - 04:00	2.00	BLOW	a	CLEAN	BLOW W/ AIR MIST, MAKING 4 TO 5 BPH OF H2O, 1/8 TO 1/2 CUP OF SAND.
	04:00 - 06:00	2.00	FLOW	a	CLEAN	FLOW WELL NATURAL, MAKING 2 TO 3 BPH OF H2O, TRACE TO 1/8 CUP OF SAND.
06/09/2004	06:00 - 07:00	1.00	SAFE	a	OBJECT	TRAV TO LOC, START RIG, HOLD SAFETY MEETING ON MO CIBP

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Common Well Name: SAN JUAN 28-5 UNIT #17

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Rig Name: AZTEC

Start: 06/02/2004

Rig Release: 06/09/2004

Rig Number: 449

Spud Date: 05/15/1957

End: 06/09/2004

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
06/09/2004	06:00 - 07:00	1.00	SAFE	a	OBJECT	, RIG CREW , AIR HAND , CONSULTANT WERE PRESENT .
	07:00 - 07:15	0.25	TRIP	a	OBJECT	SHORT TIH , TAG UP @ 5125' , CIBP @ 5130' , HAD 5' OF FILL .
	07:15 - 08:15	1.00	MILL	a	CLEAN	PU & MU SWIVEL , CO TO TOP OF CIBP W/ AIR MIST , EST 14 BPH MIST RATE , MO CIBP @ 5130' .
	08:15 - 09:15	1.00	BLOW	a	CLEAN	BLOW W/ AIR MIST , MAKING 4 TO 6 BPH OF H2O , 1/8 TO 1 CUP OF SAND .
	09:15 - 10:00	0.75	TRIP	a	OBJECT	HANG SWIVEL BACK , SHORT TIH , TAG UP @ 5850' , PBTD @ 5880' .
	10:00 - 15:00	5.00	BLOW	a	CLEAN	CO TO PBTD W/ AIR MIST , MAKING 4 TO 5 BPH OF H2O , 1/8 TO TRACE OF SAND .
	15:00 - 16:00	1.00	FLOW	a	CLEAN	FLOW WELL NATURAL , MAKING 4 BPH OF H2O , TRACE OF SAND .
	16:00 - 18:00	2.00	BLOW	a	CLEAN	SHORT TIH , TAG UP @ 5880' , HAD NO FILL , BLOW W/ AIR MIST , MAKING 3 TO 4 BPH OF H2O , TRACE OF SAND .
	18:00 - 22:00	4.00	FLOW	a	CLEAN	FLOW WELL NATURAL , MAKING 3 BPH OF H2O , TRACE OF SAND .
	22:00 - 23:00	1.00	BLOW	a	CLEAN	BLOW W/ AIR MIST , MAKING 3 BPH OF H2O , TRACE OF SAND .
	23:00 - 03:00	4.00	FLOW	a	CLEAN	FLOW WELL NATURAL , MAKING 3 BPH OF H2O , TRACE TO NO SAND .
	03:00 - 04:00	1.00	BLOW	a	CLEAN	BLOW W/ AIR MIST , MAKING 3 BPH OF H2O , NO SAND .
	04:00 - 06:00	2.00	FLOW	a	CLEAN	FLOW WELL NATURAL , MAKING 2 TO 3 BPH OF H2O , NO SAND .
	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 .
06/10/2004	07:00 - 08:00	1.00	TRIP	a	OBJECT	TOOH W/ 4 3/4" MILL .
	08:00 - 09:30	1.50	TRIP	a	OBJECT	TIH W/ EXC , 1 JT OF 2 3/8" TBG , 1.78" ID SEAT NIPPLE REST OF TBG , RABBIT SAME IN HOLE . TAG UP @ 5880' , HAD NO FILL .
	09:30 - 13:00	3.50	BLOW	a	CLEAN	BLOW W/ AIR MIST , MAKING 2 TO 3 BPH OF H2O , TRACE TO NO SAND .
	13:00 - 13:30	0.50	BRCH	a	OBJECT	BROACH TBG TO SEAT NIPPLE .
	13:30 - 14:00	0.50	NUND	a	OBJECT	LAND ORIGINAL TBG IN ORIGINAL SPOT @ 5841' , ND BOP , NU TREE .
	14:00 - 16:00	2.00	PRES	a	OBJECT	PRESS TEST TBG TO 500 PSI , TESTED GOOD , PUMP OFF EXC @ 700 PSI , REV UP TBG .
	16:00 - 17:00	1.00	RURD	a	RDMO	RD RIG & EQUIP , ROAD RIG FROM SJ 28-5 # 17 TO SJ 28-5 # 17A .
						SUMMARY , MOL , RU RIG & EQUIP , ND TREE , NU BOP , TOOH W/ TBG , RU WL , RIH & SET CIBP , SPOT ACID & PRESS TEST CSG , TESTED GOOD , RIH PERF LEWIS , FOAM FRAC LEWIS , FLOW FRAC BACK , TIH W/ MILL , CO LEWIS , MO CIBP , CO TO PBTD , TOOH W/ MILL , TIH W/ EXC , BROACH & LAND TBG , ND BOP NU TREE , PUMP OFF EXC , REV UP TBG , RD RIG & EQUIP , MOL .
	17:00 - 18:00	1.00	TEST	a	OBJECT	TAKE PITOT READING , 15 MIN 2 OZ , 30 MIN 2 OZ , 45 MIN 3 OZ , 60 MIN 3 OZ = 254 MCF ON 2" LINE .