

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 Burlington Resources Oil and Gas Co. LP Box 4289, Farmington, NM 87499					OGRID Number 014538		
Contact Party Leslie D. White					Phone 505/326-9700		
Property Name HAMILTON STATE				Well Number 3		API Number 3003906467	
UL	Section	Township	Range	Feet From The	Feet From The	County	
J	16	26 N	7 W	1840 FSL	1500 FEL	RIO ARRIBA	

II. Workover

Date Workover Commence At 08/21/2003	Previous Producing Pool(s) (Prior to Workover): BLANCO P. C. SOUTH (PRORATED GAS)
Date Workover Completed: 09/11/2003	

- 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>)		
Leslie D. White, 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>4-14-04</u>
SUBSCRIBED AND SWORN TO before me this <u>14</u> day of <u>April</u> , <u>2004</u> .		
My Commission expires: <u>9-15-04</u>		Notary Public <u>Tamatha Wimsatt</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 9-11, 2003.

Signature District Supervisor <u>Charles H. [Signature]</u>	OCD District <u>AZTEC III</u>	Date <u>4-16-2004</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

REG_DTL_D

BLANCO P. C. SOUTH
(PRORATED G

09/01/2002	574
10/01/2002	625
11/01/2002	724
12/01/2002	612
01/01/2003	319
02/01/2003	135
03/01/2003	523
04/01/2003	298
05/01/2003	302
06/01/2003	117
07/01/2003	174
08/01/2003	108
09/01/2003	1766
10/01/2003	4809
11/01/2003	5962
12/01/2003	9973

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Operations Summary Report

Legal Well Name: HAMILTON STATE #3
 Common Well Name: HAMILTON STATE #3
 Event Name: CAP WORKOVER
 Contractor Name: RIGLESS WORKOVER
 Rig Name: RIGLESS

Spud Date: 10/19/1953
 Start: 08/21/2003 End: 09/11/2003
 Rig Release: 09/11/2003 Group:
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
08/22/2003	06:00 - 07:15	1.25	SRIG	a	MIRU	ROAD RIG CREW T/LOCATION, START, WARM UP & SERVICE RIG
	07:15 - 07:30	0.25	SAFE	a	MIRU	SAFETY MEETING: N/U & N/D BOP STACK SAFELY
	07:30 - 08:00	0.50	MIMO	a	MIRU	MOVE RIG F/HAMILTON STATE #5 T/HAMILTON STATE #3 VIA TRIPLE S TRUCKING
	08:00 - 10:00	2.00	RURD	a	MIRU	SPOT IN & RIG UP WORKOVER RIG, PMP/PIT, WORK TANK, TBG FLOATS & AIR PKG
	10:00 - 11:30	1.50	NUND	a	OBJECT	N/D X-TREE, N/U BOP STACK, STRIPPING HEAD, LOWER RIG FLOOR, R/U AIR SLIPS & POWER TONGS, P/U 1" TOOLS, INSTALL 1" PIPE RAMS
	11:30 - 12:30	1.00	PULD	a	OBJECT	TOH, L/D 124-JTS 1.315"-1.70# LINE PIPE TBG
	12:30 - 14:00	1.50	NUND	a	OBJECT	N/D BOP STACK & OLD TBG HEAD, N/U NEW TBG HEAD & BOP STACK
	14:00 - 16:00	2.00	PULD	a	OBJECT	P/U & STRAP IN HOLE W/4.75" OHR MILLTOOTH BIT, 3.75" BIT SUB W/FLOAT, X-OVER, 6-3.125" DC'S & 2.875" WORKSTRING & TAG 30' FILL ON BTM F/2721' T/2751' (TD)
	16:00 - 16:30	0.50	RURD	a	OBJECT	SPOT IN TBG FLOAT, LAY & R/U BLOOE LINE T/BLOW PIT
	16:30 - 19:30	3.00	DRLG	a	OBJECT	BREAK CIRC W/1500 CFM AIR & 15 BPH FOAM MIST & C/O 30' FILL F/2721' T/2751' & DRL NEW 4.75" OPENHOLE F/2751' T/2902' W/1500 CFM AIR & 15 BPH FOAM MIST, CIRC HOLE CLEAN
	19:30 - 20:00	0.50	TRIP	a	OBJECT	SHORT TRIP 5-STD'S T/2682', S.I. WELL, SDFN **NOTE** CALLED & LEFT MESSAGE W/BLM ON CMT JOB @ 20:00 HRS 8/21/2003
08/23/2003	06:00 - 07:15	1.25	SRIG	a	OBJECT	ROAD RIG CREW T/LOCATION, START, WARM UP & SERVICE RIG
	07:15 - 07:30	0.25	SAFE	a	OBJECT	SAFETY MEETING: ALWAYS WEAR PPE WHEN ON LOC
	07:30 - 07:45	0.25	TRIP	a	OBJECT	LOWER BIT & TAG 10' FILL ON BTM
	07:45 - 09:00	1.25	COUT	a	OBJECT	C/O 10' FILL F/2892' T/2902' & DRL 4.75" OPENHOLE F/2902' T/2933.19' W/1500 CFM AIR & 15 BPH FOAM MIST, CIRC & CONDITION HOLE ON BTM
	09:00 - 10:00	1.00	TRIP	a	OBJECT	TOH, L/D 4.75" MILLTOOTH BIT, 3.75" BIT SUB W/FLOAT, 3.75" X-OVER & 6-3.125" DC'S
	10:00 - 11:00	1.00	TRIP	a	OBJECT	P/U & RIH W/2.875" SAWTOOTH COLLAR, 2.875" X 3.80' FLOAT JT W/OMEGA INSERT BAFFLE IN TOP OF FLOAT JT @ 2892.44', 8-JTS 2.875" PROD CSG, 2.875" X 9.77' MARKER JT, TOP OF MARKER JT @ 2631.81' & 84-JTS 2.875"-6.5#-J-55-8RD EUE PROD CSG LANDED @ 2896.64', TOP OF 2.875" X 3.80' FLOAT JT @ 2892.44' (PBTD) **NOTE** LANDED 2.875" PROD CSG ON CSG HANGER W/18,763 LBS STRING WEIGHT
	11:00 - 11:45	0.75	NUND	a	OBJECT	N/D BOP STACK, N/U X-TREE, N/U 2-2" RETURN LINES F/CSG VALVES T/BLOW PIT
	11:45 - 12:00	0.25	SAFE	a	OBJECT	CMT SAFETY MEETING W/ALL PERSONNEL ON LOC (10 PEOPLE) DISCUSSED CMT PUMPING SAFETY
	12:00 - 13:30	1.50	CEMT	a	OBJECT	R/U BJ SERVICES & PMP 10 BBLS GELLED WTR W/RED DYE, 10 BBLS GELLED WTR, 3 BBLS FRESH WTR PRE-FLUSH & CMT W/300 SKS (107 BBLS SLURRY) PREMIUM LITE HIGH STRENGTH FM TUPE III CMT W/0.25 LBS/SK CELLO FLAKE (LCM) 0.2% BWOC CD-32 (DISPERSANT) 5 LBS/SK LCM SLURRY EXTENDER, 0.7% BWOC FL-52 (FLUID LOSS) 2% BWOW KCL & 100% FRESH WTR, SLURRY WT: 12.5 PPG, YIELD: 2.01 FT3/SK w/100% RTNS THROUGH OUT CMT JOB, CIRC 10 BBLS GOOD CMT T/SURFACE, WASH PMPS & LINES, DISPLACE W/16.7 BBLS FRESH WTR & BUMPED PLUG @ 13:15 HRS 8/20/2003, RIG DN BJ SERVICES, CMT EQUIPMENT
	13:30 - 14:30	1.00	RURD	a	OBJECT	RIG DN, REL RIG @ 14:30 HRS 8/22/2003

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 Contractor Name: RIGLESS WORKOVER
 Rig Name: RIGLESS

Spud Date: 10/19/1953
 Start: 08/21/2003 End: 09/11/2003
 Rig Release: 09/11/2003 Group:
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
08/23/2003	13:30 - 14:30	1.00	RURD	a	OBJECT	TOTAL 2.875" CSG ON LOC: 106-JTS TOTAL 2.875" CSG RUN IN WELL: 92-JTS TOTAL 2.875" CSG SENT T/BR PIPE YARD VIA TRIPLE S TRUCKING: 14-JTS WELL SUMMARY: L/D 124-JTS 1" TBG STRING, MILL OUT 4-JTS 1" TBG, DRL NEW 4.75" OPENHOLE F/2751' T/2933' (TD), RUN & CMT 92-JTS 2.875"-6.5#-J-55-8RD EUE PROD CSG LANDED @ 2896.64', TOP OF FLOAT JT @ 2892.44' (PBD) TOP OF 2.875" MARKER JT @ 2631.81', CIRC 10 BBLs GOOD CMT T/SURFACE, PLUG DN @ 13:05 HRS 8/22/2003, RIG DN, REL RIG @ 14:30 HRS 8/22/2003, MOVE RIG T/HAMILTON COM "D" #71 VIA TRIPLE S TRUCKING, NO ACCIDENTS.
08/26/2003	11:00 - 11:30	0.50	RURD	a	OBJECT	MCNEAL
	11:30 - 12:30	1.00	CASE	a	OBJECT	RU BLACK WARRIOR WIRELINE
	12:30 - 13:00	0.50	RURD	a	OBJECT	BWWC RAN GR/ CCL LOG F/ 2882' TO SURF
	13:00 - 13:15	0.25	PRES	a	OBJECT	RD BWWC & RU THREE RIVERS PUMP TRUCK
	13:15 - 13:30	0.25	RURD	a	OBJECT	PRESS TEST CSG TO 5000#, HELD OK
08/27/2003	10:30 - 11:30	1.00	PERF	a	OBJECT	RD THREE RIVERS PUMP TRUCK
	11:30 - 12:45	1.25	RURD	a	OBJECT	BWWC RIH W/ 1-11/16" OWEN STP-1687-401NT STRIP GUN W/ 9 GRAM CHARGES, MADE 2 RUNS & PERF PICTURED CLIFFS W/ 1 SPF AS FOLLOWS: 2694'- 2730'
	12:45 - 13:00	0.25	SAFE	a	OBJECT	TOTAL 37 HOLES, ALL SHOTS FIRED
	13:00 - 13:15	0.25	STIM	a	OBJECT	RU DOWELL FRAC EQUIPMENT
	13:15 - 13:45	0.50	FRAC	a	OBJECT	SAFETY MEETING - 16 DOWELL, 3 BWWC & 2 BR REPS DOWELL BROKE DOWN PICTURED CLIFFS 5.3 BPM @ 2491#, EST INJ RATE 5.2 BPM @ 1965# W/ 10 BBLs WTR DOWELL FRACED PICTURED CLIFFS W/ 222 BBLs 20# LINEAR GEL, 353 MSCF N2 & 100,000# 20/40 ARIZONA SAND IN 5 STAGES AS FOLLOWS: STAGE---BBLs---MSCF N2---FOAM Q---SAND---START RATE---START PSI---END RATE---END PSI PAD 22 35 70% NONE 30.0 BPM 3063# 30.0 BPM 3114# 1.00# 7 12 70% 1000# 31.0 BPM 3101# 31.0 BPM 3470# 2.00# 11 17 70% 3000# 33.0 BPM 3525# 33.0 BPM 3615# 3.00# 60 97 70% 25000# 34.0 BPM 3675# 34.0 BPM 3825# 4.00# 122 192 70% 71000# 35.0 BPM 4477# 34.0 BPM 4384# FLUSH W/ 7 BBLs & 3 MSCF N2, ISIP - 1165#, TOTAL LOAD TO RECOVER - 239 BBLs
	13:45 - 15:00	1.25	RURD	a	OBJECT	RD DOWELL FRAC EQUIP, RU 2" FLOW BACK LINE W/ DUAL CHOKE MANIFOLD
	15:00 - 06:00	15.00	FLOW	a	OBJECT	SICP - 880#, OPEN WELL ON 8/64 CHOKE, FLOW WELL BACK AS FOLLOWS: TIME-----PRESS-----CHOKE-----WATER-----SAND

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Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
08/27/2003	15:00 - 06:00	15.00	FLOW	a	OBJECT	16:00 690# 8/64 HVY MIST NONE 19:00 450# 10/64 HVY MIST LIGHT 22:00 300# 12/64 HVY MIST LIGHT 01:00 220# 14/64 HVY MIST LIGHT 06:00 190# 18/64 HVY MIST LIGHT
08/28/2003	10:30 - 11:30	1.00	PERF	a	OBJECT	BWWC RIH W/ 1-11/16" OWEN STP-1687-401NT STRIP GUN W/ 9 GRAM CHARGES, MADE 2 RUNS & PERF PICTURED CLIFFS W/ 1 SPF AS FOLLOWS: 2694'- 2730' TOTAL 37 HOLES, ALL SHOTS FIRED
	11:30 - 12:45	1.25	RURD	a	OBJECT	RU DOWELL FRAC EQUIPMENT
	12:45 - 13:00	0.25	SAFE	a	OBJECT	SAFETY MEETING - 16 DOWELL, 3 BWWC & 2 BR REPS
	13:00 - 13:15	0.25	STIM	a	OBJECT	DOWELL BROKE DOWN PICTURED CLIFFS 5.3 BPM @ 2491#, EST INJ RATE 5.2 BPM @ 1965# W/ 10 BBLS WTR
	13:15 - 13:45	0.50	FRAC	a	OBJECT	DOWELL FRACED PICTURED CLIFFS W/ 222 BBLS 20# LINEAR GEL, 353 MSCF N2 & 100,000# 20/40 ARIZONA SAND IN 5 STAGES AS FOLLOWS: STAGE---BBLS---MSCF N2---FOAM Q---SAND---START RATE---START PSI---END RATE---END PSI PAD 22 35 70% NONE 30.0 BPM 3063# 30.0 BPM 3114# 1.00# 7 12 70% 1000# 31.0 BPM 3101# 31.0 BPM 3470# 2.00# 11 17 70% 3000# 33.0 BPM 3525# 33.0 BPM 3615# 3.00# 60 97 70% 25000# 34.0 BPM 3675# 34.0 BPM 3825# 4.00# 122 192 70% 71000# 35.0 BPM 4477# 34.0 BPM 4384# FLUSH W/ 7 BBLS & 3 MSCF N2, ISIP - 1165#, TOTAL LOAD TO RECOVER - 239 BBLS
	15:00 - 06:00	15.00	FLOW	a	OBJECT	FLOW WELL BACK AS FOLLOWS: TIME---PRESS---CHOKE---WATER---SAND 08:00 190# 18/64 MED MIST NONE 10:00 160# 24/64 MED MIST NONE 12:00 110# 32/64 MED MIST NONE 22:00 80# 48/64 LT MIST NONE 06:00 50# 48/64 DRY GAS, NO SAND, MAKING 951 MCF/ DAY
09/05/2003	10:00 - 11:00	1.00	RURD	a	OBJECT	R/U SANJEL COIL TBG UNIT, N/U FLOW LINE
	11:00 - 13:00	2.00	TRIP	a	OBJECT	320# SHUT IN PRESSRE, BLOW WELL DOWN.
	13:00 - 17:00	4.00	COUT	a	OBJECT	TIH W/ 1-1/4 TBG, TAG FILL @ 2800' PBTD 2882, C/O TO PBTD, HEAVY FLUID RETURNS, HEAVY SAND RETURNS, SWSD, CONTINUE C/O A.M.
09/06/2003	07:00 - 08:00	1.00	BLOW	a	OBJECT	320# PSI ON CSG, BLOW WELL DOWN.
	08:00 - 10:00	2.00	COUT	a	OBJECT	TIH W/ 1-1/4 COIL TBG, NO SAND FILL,
	10:00 - 18:00	8.00	BLOW	a	OBJECT	BLOW WELL FROM PBTD, RETURNS 2-3 BPH, TRACE OF SAND, FLUID RETURNS DROP TO 1 TO 1-1/2 BPH, NO SAND, CLOSE WELL IN SHUT DOWN FOR WEEKEND,
09/12/2003	07:00 - 16:00	9.00	MIMO	a	OBJECT	ROAD WASH OUT, REPAIR & ROAD COIL TUB. UNIT TO BLANCO WASH