

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>HAMILTON COM D</b>			Well Number <b>7</b>		API Number <b>3003906259</b>	
UL	Section	Township	Range	Feet From The	Feet From The	County
<b>C</b>	<b>32</b>	<b>26 N</b>	<b>7 W</b>	<b>993 FNL</b>	<b>1600 FWL</b>	<b>RIO ARRIBA</b>

**II. Workover**

Date Workover Commence <b>08/12/2003</b>	Previous Producing Pool(s) (Prior to Workover): <b>BALLARD PICTURED CLIFFS (GAS)</b>
Date Workover Completed: <b>08/27/2003</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>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 8-27-2003.

Signature District Supervisor <u>Charlie Dean</u>	OCD District <u>AZTEC III</u>	Date <u>4-20-2004</u>
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**VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:**

REG_DTL_D	BALLARD PICTURED CLIFFS (GAS)
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08/01/2002	613
09/01/2002	777
10/01/2002	844
11/01/2002	841
12/01/2002	700
01/01/2003	641
02/01/2003	704
03/01/2003	844
04/01/2003	671
05/01/2003	683
06/01/2003	637
07/01/2003	715
08/01/2003	242
09/01/2003	2273
10/01/2003	1873
11/01/2003	1361

## BURLINGTON RESOURCES DIVISIONS

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## Operations Summary Report

Legal Well Name: HAMILTON COM D #7  
 Common Well Name: HAMILTON COM D #7  
 Event Name: CAP WORKOVER  
 Contractor Name: AZTEC WELL SERVICE  
 Rig Name: AZTEC

Start: 08/12/2003 Spud Date: 09/14/1955  
 Rig Release: 08/27/2003 End: 08/27/2003  
 Group:  
 Rig Number: 485

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
08/13/2003	09:00 - 11:00	2.00	MIMO	a	OBJECT	ROAD RIG TO LOCATION.
	11:00 - 12:00	1.00	RURD	a	OBJECT	RIG UP AZTEC 485, SHUT IN TBG & CASING PRESS - 95 PSI, BRAIDEN HEAD PRESS - 0 PSI.
	12:00 - 15:45	3.75	MIMO	a	OBJECT	MOVE IN & SPOT CAT WALK, PUMP, TANK, 400 BBL TANK, & AIR PACKAGE.
	15:45 - 16:45	1.00	NUND	a	OBJECT	NIPPLE DOWN RUSTED WELL HEAD, NIPPLE UP BOP, RIG UP FLOOR, CHANGE PIPE RAMS & TBG TOOLS TO 1"
	16:45 - 17:45	1.00	PULD	a	OBJECT	LAY DOWN 141 JTS 1" TBG.
	17:45 - 18:00	0.25	SHDN	a	OBJECT	SHUT WELL IN, SECURE LOCATION, SHUT DOWN FOR NIGHT. (MOVE IN WATER)
08/14/2003	06:00 - 07:00	1.00	MIMO	a	OBJECT	CREW TRAVEL TO LOCATION.
	07:00 - 07:15	0.25	SRIG	a	OBJECT	SERVICE & START RIG.
	07:15 - 07:30	0.25	SAFE	a	OBJECT	SAFETY MEETING, 4 AZTEC WELL SERV, 1 ENERGY AIR, - TOPIC - LIFTING.
	07:30 - 08:00	0.50	NUND	a	OBJECT	NIPPLE UP BLOOIE LINE.
	08:00 - 09:00	1.00	MIMO	a	OBJECT	MOVE IN 2-7/8" TBG. SPOT FLOAT.
	09:00 - 09:30	0.50	PCKR	a	OBJECT	PICK UP 6-1/4" MILL TOOTH BIT, BIT SUB & 6 - 3-1/2" OD DRILL COLLARS.
	09:30 - 11:00	1.50	PULD	a	OBJECT	STRAP, DRIFT & PICK UP, 90 JTS 2-7/8" 6.5# J-55 8rd EUE TBG, TAG TIGHT HOLE @ 2,890'.
	11:00 - 11:30	0.50	PULD	a	OBJECT	PICK UP & NIPPLE UP POWER SWIVEL.
	11:30 - 12:15	0.75	BLOW	a	OBJECT	BREAK CIRC W/ 850 SCF/M AIR MIST @ 10 BBLS/HR. REAM TIGHT HOLE 2,890' TO 2,943', TAG PBD @ 2,970'.
	12:15 - 17:15	5.00	DRLG	a	OBJECT	DRILL 6-1/4" HOLE FROM 2,970' TO 3,180' W/ 450 SCF/M AIR MIST @ 14 BBLS HR. P-RATE @ 42 FT/HR.
	17:15 - 17:45	0.50	BLOW	a	OBJECT	CIRC HOLE CLEAN W/ 450 SCF/M AIR MIST.
	17:45 - 18:00	0.25	TRIP	a	OBJECT	TRIP OUT W/ 6 JTS 2-7/8" 6.5# TBG TO 2,940'. TIGHT HOLE
	18:00 - 19:00	1.00	STUK	a	OBJECT	WORK STUCK, TIED BACK TO 4 LINES, SPOT SOAP W/ 20 BBLS 2% KCL, WORK PIPE FREE.
	19:00 - 19:15	0.25	TRIP	a	OBJECT	TRIP OUT W/ 8 JTS 2-7/8" 6.5# J-55 8rd EUE TBG TO 2,772'. CSG SHOE @ 2,896'.
08/15/2003	19:15 - 19:30	0.25	SHDN	a	OBJECT	SHUT WELL IN, SECURE LOCATION, SHUT DOWN FOR NIGHT.
	06:00 - 07:00	1.00	MIMO	a	OBJECT	CREW TRAVEL TO LOCATION.
	07:00 - 07:15	0.25	SRIG	a	OBJECT	SERVICE & START RIG.
	07:15 - 07:30	0.25	SAFE	a	OBJECT	SAFETY MEETING, 4 AZTEC WELL SERV, 1 ENERGY AIR, TOPIC LAY DOWN TBG & DRILL COLLARS.
	07:30 - 07:45	0.25	TRIP	a	OBJECT	TRIP IN W/ 12 JTS 6.5# J-55 8rd EUE TBG, TAG FILL @ 3,140'.
	07:45 - 08:00	0.25	NUND	a	OBJECT	PICK UP & NIPPLE UP POWER SWIVEL.
	08:00 - 09:30	1.50	COUT	a	OBJECT	BREAK CIRC W/ 850 SCF/M AIR MIST, CLEAN OUT FILL FROM 3,140' TO TD @ 3,180'. CIRC HOLE CLEAN, SPOT 10 BBLS WATER W/ SOAP OVER OPEN HOLE.
	09:30 - 09:45	0.25	NUND	a	OBJECT	NIPPLE DOWN & LAY DOWN POWER SWIVEL.
	09:45 - 10:00	0.25	PULD	a	OBJECT	LAY DOWN 20 JTS 6.5# J-55 8rd EUE TBG. POWER TONGS FAILED.
	10:00 - 15:00	5.00	WAIT	a	OBJECT	WAIT ON NEW TONGS & RIG UP
	15:00 - 16:00	1.00	PULD	a	OBJECT	LAY DOWN 77 JTS 2-7/8" 6.5# J-55 8rd EUE TBG, & 6 - 3-1/2" DRILL COLLARS.
	16:00 - 16:30	0.50	PULD	a	OBJECT	RIG UP SAN JUAN CASING.
	16:30 - 19:00	2.50	PULD	a	OBJECT	PICK UP 4-1/2" CASING & LAND AS FOLLOWS: 1 - 4-1/2" J-55 STC SAW TOOTH COLLAR @ 3,156.16' 1 - 4-1/2" X 5' 10.5# J-55 STC SHOE JOINT W/ BAFFLE @ 3,150.71' 9 - JTS 4-1/2" 10.5# J-55 STC CASING 1 - 4-1/2" X 12' 10.5# J-55 STC MARKER JT @ 2,753.21' 64 - JTS 4-1/2" 10.5# J-55 STC CASING.

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Legal Well Name: HAMILTON COM D #7  
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 Event Name: CAP WORKOVER  
 Contractor Name: AZTEC WELL SERVICE  
 Rig Name: AZTEC

Spud Date: 09/14/1955  
 Start: 08/12/2003 End: 08/27/2003  
 Rig Release: 08/27/2003 Group:  
 Rig Number: 485

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
08/15/2003	19:00 - 21:30	2.50	CEMT	a	OBJECT	RIG DOWN CASING TOOLS, RIG UP BJ, SAFETY MEETING, TEST LINES W/ 3,500 PSI, PUMP 10 BBLs DYED GELL WATER, 5 BBLs GELLED WATER & 3 BBLs FRESH WATER AHEAD, MIX & PUMP 300 SX PREM LITE CEMENT W/ ADDITIVES, MIXED @ 12.5 PPB, 107 BBL SLURRY W/ 2.01 YIELD. MAX PRESS 1080, MIN PRESS 100 PSI, MAX RATE @ 5 BPM, AVRG RATE @ 3.5 BPM, SHUT DOWN, WASH UP, DROP PLUG & DISPLACE W/ 50.1 BBLs FRESH WATER. PLUG DOWN & HELD W/ 1,754 PSI @ 20:24 HRS 8/14/2003. 100 % RETURNS THROUGH OUT JOB, CIRC 30 BBLs GOOD CEMENT TO SURFACE.
	21:30 - 22:00	0.50	NUND	a	OBJECT	NIPPLE DOWN CEMENT HEAD, NIPPLE UP FRAC VALVE, SHUT WELL IN, SHUT DOWN FOR NIGHT.
08/16/2003	06:00 - 07:00	1.00	MIMO	a	OBJECT	CREW TRAVEL TO LOCATION.
	07:00 - 07:15	0.25	SRIG	a	OBJECT	SERVICE & START RIG.
	07:15 - 07:30	0.25	SAFE	a	OBJECT	SAFETY MEETING, 4 AZTEC WELL SERV, 1 ENERGY AIR, TOPIC RIG MOVE
08/19/2003	07:30 - 09:00	1.50	RURD	a	OBJECT	RIG DOWN, NIPPLE DOWN BLOOE LINE & FLOW LINE.
	07:00 - 08:00	1.00	PERF	a	OBJECT	R/U BWWC PERFORATE P/C WS/ 3-1/8 HSC SELECT FIRE CSG GUN. OWEN 302 CHARGES, .32 DIA, 14.3 PENETRATION, 1SPF @ 2964-2973, 2902-2932, ALL SHOTS FIRED
	08:00 - 10:00	2.00	RURD	a	OBJECT	SPOT & R/U SCHLUMBERGER DOWELL, PRIME PUMPS TEST LINES, HOLD SAFETY MEETING W/ 17 DOWELL, 2 B.R, DISCUSS PROCEDURE, POINT OUT SAFETY PROCEDURES, EMERGENCY RESPONSE,
	10:00 - 11:00	1.00	FRAC	a	OBJECT	BRK DOWN 2148 @ 2.6 BPM, HYD PRESSURE 909, START F.G. .7, AVG F.G. .78, HYD HP, 975, TYPE OF FLUID 20# LINEAR GEL, AMT 241 BBLs, PUMPED 100,000# 20/40 ARIZ SAND @ CONC OF 1 TO 4 PPG, @ 36 TO 41 BPM, 70Q FOAM 20# LINEAR GEL, PUMPED 3100 GAL OF 70Q FOAM 20# LINEAR GEL PAD, AVG RATE 39 BPM, MAX 41, MIN 35, AVG PSI 2200, MAX 2256, MIN 2075, AVG N2 18,000, MAX 18,300, MIN 17,800 SCF/MIN. ISIP 1367, DISP W/ 14 FLUID BBLs, 16,000 SCF N2,
	11:00 - 12:30	1.50	RURD	a	OBJECT	R/D DOWELL,
08/23/2003	12:30 - 06:00	17.50	FLOW	a	OBJECT	TIME-----CHOKE-----PSI-----SAND-----FLUID 1200-----8/64-----1300-----N,S-----N2 1700-----12/64-----450-----N,S-----N,2 2000-----18/64-----200-----N,S-----N,2,H,F 2200-----48/64-----100-----N,S-----N,2 0100-----48/64-----8#-----N,S-----DRY GAS. NO FLUID, SHUT WELL IN RELEASE FLOW BACK CREW.
	14:30 - 15:30	1.00	MIMO	a	MIRU	MOVE RIG & EQUIPMENT F/HAMILTON STATE #3 T/HAMILTON COM "D" #7 VIA TRIPLE "S" TRUCKING
	15:30 - 17:30	2.00	SAFE	a	MIRU	SPOT IN PMP, PIT, CATWALK, ACCUMULATOR, AIR PKG, TBG FLOAT, SET & FILL WORK TANK, S.I. WELL, SDFW
	06:00 - 07:00	1.00	MIMO	a	OBJECT	CREW TRAV TO LOCATION.
	07:00 - 07:15	0.25	SRIG	a	OBJECT	SERVICE & START RIG.
08/26/2003	07:15 - 07:30	0.25	SAFE	a	OBJECT	SAFETY MEETING. 4 AZTEC WELL SERV. TOPIC - FIRE DRILL.
	07:30 - 09:45	2.25	WAIT	a	OBJECT	WAIT ON WELL HEAD, SHUT IN CASING PRESS - 100 PSI. BLEED WELL DOWN.
	09:45 - 11:30	1.75	NUND	a	OBJECT	NIPPLE DOWN FRAC VALVE, NIPPLE UP BOP, (4-1/2" CSG NIPPLE THREADED CROOKED), NIPPLE DOWN BOP, CHANGE 4-1/2" NIPPLE, NIPPLE UP BOP, RIG UP FLOOR. CHANGE TBG TOOLS

## BURLINGTON RESOURCES DIVISIONS

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 Rig Name: AZTEC

Spud Date: 09/14/1955  
 Start: 08/12/2003 End: 08/27/2003  
 Rig Release: 08/27/2003 Group:  
 Rig Number: 485

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
08/26/2003	09:45 - 11:30	1.75	NUND	a	OBJECT	FOR 2-3/8".
	11:30 - 13:00	1.50	PULD	a	OBJECT	STRAP, DRIFT & PICK UP 2-3/8" SAW TOOTH COLLAR, 2-3/8" X 1.78" ID SEATING NIPPLE, 1 JT 2-3/8" 4.7# J-55 8rd EUE TBG, 1 2-3/8" X 2' 4.7# J-55 8rd EUE PUP JT, & 102 JTS 2-3/8" 4.7# J-55 8rd EUE TBG. TAG SAND @ 3,011'.
	13:00 - 15:00	2.00	COUT	a	OBJECT	NIPPLE UP AIR LINES, BREAK CIRC W/ 850 SCF/M AIR, CLEAN OUT SAND FROM 3,011' TO PBD @ 3,150'.
	15:00 - 06:00	15.00	BLOW	a	OBJECT	BLOW W/ 350 SCF/M AIR, INITIAL SAND @ 3 GAL/HR, INITIAL WATER @ 15 BBL/HR, FINAL SAND @ TRACE, WATER @ 05:00 HRS @ 5 BBL/HR.
08/27/2003	06:00 - 07:00	1.00	SAFE	a	OBJECT	AZTEC WELL SERV MONTHLY SAFETY MEETING
	07:00 - 08:00	1.00	MIMO	a	OBJECT	CREW TRAV TO LOCATION.
	08:00 - 08:15	0.25	SRIG	a	OBJECT	SERVICE & START RIG.
	08:15 - 06:00	21.75	BLOW	a	OBJECT	ALTERNATE FLOW & BLOW. BLOW W/ 350 SCF/M AIR, UNLOADS 15+/- BBL DURING 1 HR BLOW. FLOWS @ 2+/- BBL WTR/HR FOR 45 MIN, THEN LOADS UP, FLOWING 2 BBL WTR/HR & 80% +/- GAS @ 05:00. TO WET TO PITOT.
08/28/2003	06:00 - 07:00	1.00	MIMO	a	OBJECT	CREW TRAV TO LOCATION.
	07:00 - 07:15	0.25	SRIG	a	OBJECT	SERVICE & START RIG.
	07:15 - 07:30	0.25	SAFE	a	OBJECT	SAFETY MEETING. 4 AZTEC WELL SERV, 1 ENERGY AIR. TOPIC - LIGHTING FLARE.
	07:30 - 15:00	7.50	BLOW	a	OBJECT	ALTERNATE FLOW & BLOW. BLOW W/ 350 SCF/M AIR, UNLOADS 3+/- BBL WATER AFTER 3 HR FLOW. FLOWS W/ TRACE OF WATER. PITOT @ 112 MCF/D.
	15:00 - 15:15	0.25	TRIP	a	OBJECT	LAY DOWN 8 JTS TBG, LAND TBG AS FOLLOWS: 1 - 2-3/8" 8rd EUE SAW TOOTH COLLAR @ 2,935.06' 1 - 2-3/8" X 1.78" ID 8rd EUE SEATING NIPPLE @ 2,933.69'. 1 - JT 2-3/8" 4.7# J-55 8rd EUE TBG. 1 - 2-3/8" X 2' 4.7# J-55 8rd EUE PUP JT @ 2,901.90' 98 - JTS 2-3/8" 4.7# J-55 8rd EUE TBG.
	15:15 - 16:15	1.00	NUND	a	OBJECT	RIG DOWN FLOOR, NIPPLE DOWN BOP, NIPPLE UP TREE.
	16:15 - 17:15	1.00	RURD	a	OBJECT	RIG DOWN AZTEC 485.
	17:15 - 18:00	0.75	MIMO	a	OBJECT	ROAD RIG TO HIGHWAY 550. COULD NOT GET TO HUERFANO NP # 216 DUE TO MUD. RELEASE RIG @ 18:00 HRS 8/27/2003.
						TRANSFER 10 JTS 2-3/8" 4.7# J-55 8rd EUE TBG TO HUERFANO NP # 216.