

New Mexico
Energy Minerals and Natural Resources Department

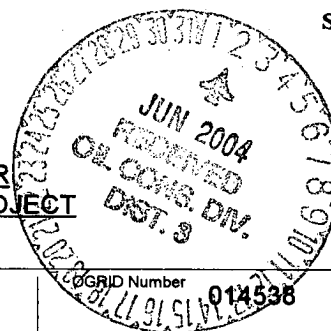
Form C-140
Revised 06/99

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. LP Box 4289, Farmington, NM 87499						GRID Number 014538
Contact Party Leslie D. White						Phone 505/326-9700
Property Name HANCOCK				Well Number 3A		API Number 3004526464
UL F	Section 22	Township 28 N	Range 9 W	Feet From The 1430 FNL	Feet From The 1365 FWL	County SAN JUAN

II. Workover

Date Workover Commence 10/13/2003	Previous Producing Pool(s) (Prior to Workover): BLANCO MESAVERDE
Date Workover Completed: 10/21/2003	

- 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>6-1-04</u>
SUBSCRIBED AND SWORN TO before me this <u>1st</u> day of <u>June</u> , <u>2004</u> .	
My Commission expires: <u>September 15, 2004</u>	
Notary Public <u>Nancy Oltmanns</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 10/21/03 27.8

Signature District Supervisor	SUPERVISOR DISTRICT #3	Date
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

HANCOCK 3A**3004526464****72319****82329****REG_DTL_DT GAS_PROD GAS_PROD**

01-Oct-02	4480	
01-Nov-02	4261	
01-Dec-02	4430	
01-Jan-03	4029	
01-Feb-03	3762	
01-Mar-03	4290	
01-Apr-03	4075	
01-May-03	4319	
01-Jun-03	3876	
01-Jul-03	4086	
01-Aug-03	4076	
01-Sep-03	3942	
01-Oct-03	1346	
01-Nov-03	3909	3907
01-Dec-03	6284	6283
01-Jan-04	4287	4286

BURLINGTON RESOURCES DIVISIONS

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Operations Summary Report

Legal Well Name: HANCOCK #3A
 Common Well Name: HANCOCK #3A
 Event Name: CAP WORKOVER
 Contractor Name: AZTEC WELL SERVICE
 Rig Name: AZTEC

Spud Date: 07/18/1985
 Start: 10/13/2003 End: 10/21/2003
 Rig Release: 10/21/2003 Group:
 Rig Number: 485

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
10/14/2003	10:00 - 10:30	0.50	MIMO	a	PREWRK	ROAD RIG FROM HANCOCK # 4A.
	10:30 - 13:30	3.00	MIMO	a	PREWRK	MOVE IN & SPOT EQUIPMENT. NIPPLE UP FLOW LINE, SHUT IN TBG & CSG PRESS - 130 PSI, BRAIDEN HEAD PRESS - 0 PSI. BLED TO PIT
	13:30 - 15:00	1.50	RURD	a	OBJECT	RIG UP AZTEC 485. (REPAIR RAISING RAM)
	15:00 - 16:30	1.50	NUND	a	OBJECT	NIPPLE DOWN TREE, NIPPLE UP BOP, RIG UP FLOOR.
	16:30 - 17:45	1.25	TRIP	a	OBJECT	TRIP OUT W/ 156 JTS 2-3/8" 4.7# J-55 8rd EUE TBG
10/15/2003	17:45 - 18:00	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, 1 BURLINGTON, 3 BLUE JET. TOPIC - WIRELINE UNDER PRESS.
	07:30 - 08:45	1.25	CASE	a	OBJECT	MOVE IN & RIG UP BLUE JET, RUN IN W/ 3.9" OD GAUGE RING TO 4,100', RUN IN HOLE W/ 4-1/2" CIBP & SET @ 4,050'. CORRELATE W/ GEARHART CCL/GR LOG DATED 8/17/85.
	08:45 - 10:00	1.25	CIRC	a	OBJECT	LOAD HOLE W/ 126 BBLs 2% KCL. RIG UP AMERICAN ENERGY, TEST CASING W/ 3,000 PSI. 30 MIN TEST - OK.
	10:00 - 13:30	3.50	CASE	a	OBJECT	RUN IN HOLE W/ CCL/GR/CBL, TOOLS FAILED, PULL OUT, REPAIR ROPE SOCKET, RUN IN HOLE, LOG 4,049' TO 1,000'.
	13:30 - 14:30	1.00	TRIP	a	OBJECT	STRAP & TRIP IN W/ 124 JTS 2-3/8" 4.7# J-55 8rd EUE TBG
	14:30 - 15:00	0.50	SPOT	a	OBJECT	RIG UP AMERICAN ENERGY, SPOT 100 GALS 15% HCL ACROSS CHACRA @ 3,400' TO 3,595'. RIG DOWN AMERICAN ENERGY.
	15:00 - 16:45	1.75	WAIT	a	OBJECT	FAX LOGS TO OFFICE, WAIT ON PERF DEPTHS.
10/16/2003	16:45 - 18:00	1.25	PERF	a	OBJECT	PERF CHACRA W/ 3-1/8" HSC CASING GUNS LOADED W/ .32" DIA 10 GRAM OWEN 302 CHARGES @ 1 SPF @ 3,407', 09', 11', 39', 41', 53', 55', 3,511', 13', 17', 19', 23', 25', 27', 55', 57', 59', 61', 63', 65', 75', 89', 91', 93', & 95'. RIG DOWN BLUE JET.
	18:00 - 18:45	0.75	NUND	a	OBJECT	NIPPLE DOWN STRIPPER HEAD, PICK UP 2-7/8" 6.5# N-80 8rd EUE TBG W/ BAKER 7" TENSION PACKER. SET PACKER @ 20'. NIPPLE UP FRAC MANDREL & FRAC VALVE.
	18:45 - 19:00	0.25	SHDN	a	OBJECT	SHUT WELL IN, SECURE LOCATION.DRAIN PUMP & LINES, 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, 1 BURLINGTON, TOPIC - FRAC SAFETY
	07:30 - 11:30	4.00	FRAC	a	OBJECT	FRAC WATER 1.02 SP GR, 3-1/2% KCL. MOVE IN & SPOT SCHLUMBERGER FRAC EQUIP, RIG UP, SAFETY MEETING, (24 PEOPLE ON LOCATION) TEST LINES TO 4,000 PSI - OK, FRAC CHACRA W/ 637 BBLs 75 QUALITY FOAM, 20# LINEAR GEL, 200,000# 20/40 ARIZONA SAND 1 PPG TO 3 PPG W/ 1,166,200 SCF N2, FLUSH W/ 37 FLUID BBLs W/ 26,100 SCF N2, MAX PRESS - 2,079 PSI, MIN PRESS - 1,854 PSI, AVRG PRESS - 1,980 PSI, MAX RATE - 56 BBL/MIN, MIN RATE - 50 BBL/MIN, AVRG RATE - 53 BBL/MIN. ISDP - 1,505 PSI. 674 BBLs TO RECOVER. RIG DOWN SCHLUMBERGER.
	11:30 - 06:00	18.50	FLOW	a	OBJECT	FLOW BACK FRAC:
						TIME CHOKE PRESS FLUID SAND GAS
						11:30 8/64" 1450 WTR 0 N2
					14:00 8/64" 1400 WTR 0 N2	
					18:00 10/64" 1000 WTR 0 N2	
					00:00 12/64" 900 WTR 0 N2	
					02:00 14/64" 900 WTR 0 N2	

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Operations Summary Report

Legal Well Name: HANCOCK #3A
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 Contractor Name: AZTEC WELL SERVICE
 Rig Name: AZTEC

Start: 10/13/2003
 Rig Release: 10/21/2003
 Rig Number: 485

Spud Date: 07/18/1985
 End: 10/21/2003
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
10/16/2003	11:30 - 06:00	18.50	FLOW	a	OBJECT	03:00 18/64" 1000 WTR HVY N2 SAND CUT OUT CHOKE & CHOKE NIPPLE 04:00 14/64" 1000 WTR 0 N2 05:00 14/64" 800 0 0 N2
10/17/2003	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, 1 ENERGY AIR. TOPIC - CHANGING CHOKES & FIRE SAFETY
	11:30 - 06:00	18.50	FLOW	a	OBJECT	FLOW BACK FRAC: TIME CHOKES PRESS FLUID SAND GAS 05:00 14/64" 800 0 0 N2 08:00 14/64" 890 WTR TRC N2 11:00 16/64" 1050 WTR 0 N2 12:00 18/64" 1000 WTR 0 N2 13:00 20/64" 840 WTR TRC N2 18:00 24/64" 780 WTR TRC N2 00:00 24/64" 750 WTR 0 N2 03:00 32/64" 675 WTR 0 N2 05:00 32/64" 300 WTR 0 N2
10/18/2003	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, 1 ENERGY AIR. TOPIC - WELL CONTROL
	11:30 - 06:00	18.50	FLOW	a	OBJECT	FLOW BACK FRAC: TIME CHOKES PRESS FLUID SAND GAS 05:00 32/64" 300 WTR 0 N2 06:00 48/64" 350 WTR TRC N2 08:00 2" 400 WTR TRC N2 10:00 2" 250 WTR TRC N2 KILL W/ 15 BBLS 2% KCL, STAYED DEAD 2 MIN, UNLOADED ALL 10 BBLS. 12:00 2" 350 WTR 0 N2 13:00 2" 275 WTR 0 N2 16:00 2" 300 WTR HVY N2 17:00 2" 350 WTR TRC N2 20:00 2" 300 WTR 0 N2 00:00 2" 250 WTR 0 N2 06:00 2" 200 WTR 0 N2
10/19/2003	06:00 - 06:00	24.00	FLOW	a	OBJECT	FLOW BACK FRAC: TIME CHOKES PRESS FLUID SAND GAS 06:00 2" 100 WTR 0 N2 & GAS
10/20/2003	06:00 - 06:00	24.00	FLOW	a	OBJECT	FLOW BACK FRAC: TIME CHOKES PRESS FLUID SAND GAS 06:00 2" 60 0 0 N2 & GAS
10/21/2003	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, 1 ENERGY AIR. TOPIC - WATCH STEP
	07:30 - 08:00	0.50	KILL	a	OBJECT	NIPPLE DOWN FLOW LINE, NIPPLE UPPUMP LINE, KILL W/ 2% KCL WATER.
	08:00 - 08:30	0.50	PCKR	a	OBJECT	NIPPLE DOWN FRAC VALVE, RELEASE & PULL PCKR.
	08:30 - 09:30	1.00	TRIP	a	OBJECT	PICK UP 3-7/8" 4 BLADED SUPER MILL, BIT SUB W/ FLOAT & 122 JTS 2-3/8" 4.7# J-55 8RD EUE TBG. TAG SAND @ 3,855'.

Operations Summary Report

Legal Well Name: HANCOCK #3A
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 Event Name: CAP WORKOVER
 Contractor Name: AZTEC WELL SERVICE
 Rig Name: AZTEC

Start: 10/13/2003
 Rig Release: 10/21/2003
 Rig Number: 485

Spud Date: 07/18/1985
 End: 10/21/2003
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
10/21/2003	09:30 - 10:00	0.50	NUND	a	OBJECT	PICK UP & NIPPLE UP POWER SWIVEL.
	10:00 - 12:30	2.50	COUT	a	OBJECT	BREAK CIRC W/ 850 SCF/M AIR MIST @ 12 BBLS/HR, CLEAN OUT SAND FROM 3,855' TO CIBP @ 4,050'.
	12:30 - 15:15	2.75	BLOW	a	OBJECT	BLOW W/ 850 SCF/M AIR MIST @ 10 BBLS/HR. INITIAL SAND @ 4 GALS/HR, FINAL SAND - TRACE.
	15:15 - 17:15	2.00	MILL	a	OBJECT	MILL CIBP @ 4,050' W/ 850 SCF/M AIR MIST @ 12 BBLS/HR, CIRC 5 BBL SWEEP.
	17:15 - 17:30	0.25	TRIP	a	OBJECT	TRIP IN TO 5,115'.
	17:30 - 18:00	0.50	COUT	a	OBJECT	CLEAN OUT FILL 5,115' TO PBTD @ 5,135' W/ 850 SCF/M AIR MIST @ 12 BBLS HR, CIRC 5 BBL SWEEP.
	18:00 - 18:30	0.50	TRIP	a	OBJECT	TRIP OUT WITH 60 JTS 2-3/8" 4.7# J-55 8rd EUE TBG. SHUT WELL IN, SECURE LOCATION, SHUT DOWN FOR NIGHT.
10/22/2003	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, 1 ENERGY AIR. TOPIC - TRIPPING W/ PRESS.
	07:30 - 08:30	1.00	FLOW	a	OBJECT	SHUT IN CASING PRESS - 400 PSI, SHUT IN TBG PRESS - 0 PSI. (TBG HAS FLOAT). BLEED DOWN TO PIT ON 2" OPEN LINE.
	08:30 - 09:00	0.50	TRIP	a	OBJECT	TRIP OUT W/ 128 JTS 4.7# J-55 8rd EUE TBG, BIT SUB & 3-7/8" MILL.
	09:00 - 10:15	1.25	TRIP	a	OBJECT	TRIP IN W/ 155 JTS 2-3/8" 4.7# J-55 8rd EUE TBG. LAND TBG W/ 1 - 2-3/8" EXPEDABLE CHECK @ 5,036.70'.
						1 - JT 2-3/8" 4.7# J-55 8rd EUE TBG.
						1 - 2-3/8" X 1.78" ID SEATING NIPPLE @ 5,002.54'.
						152 - JTS 2-3/8" 4.7# J-55 8rd EUE TBG.
	10:15 - 12:30	2.25	NUND	a	OBJECT	RIG DOWN FLOOR, NIPPLE DOWN BOP, NIPPLE UP TREE. PUMP OFF EXPENDABLE CHECK @ 450 PSI & CIRC BOTTOMS UP W/ 850 SCF/M AIR..
	12:30 - 13:00	0.50	RURD	a	OBJECT	RIG DOWN AZTEC 485. RELEASE RIG @ 13:00 HRS 10/21/2003. FINAL PITOT @ 2039 MCF/D.
						NOTE: TRANSFER 35 JTS 2-3/8" 4.7# J-55 8rd EUE TBG TO BR STOCK