

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					OGRID Number 014538	
Contact Party Leslie D. White					Phone 505/326-9700	
Property Name HUGHES			Well Number 11		API Number 3003906334	
UL B	Section 30	Township 26 N	Range 7 W	Feet From The 1165 FNL	Feet From The 1625 FEL	County RIO ARRIBA

II. Workover

Date Workover Commence 7/16/2003	Previous Producing Pool(s) (Prior to Workover): BALLARD PICTURED CLIFFS (GAS)
Date Workover Completed: 7/24/2003	

- 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>) County of <u>San Juan</u>) ss. <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>4/1/04</u> SUBSCRIBED AND SWORN TO before me this <u>1</u> day of <u>April</u> , <u>2004</u> . My Commission expires: <u>September 15, 2004</u> Notary Public <u>Tamatha Wimsatt</u>		
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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 7/24/03.

Signature District Supervisor <u>[Signature]</u>	OCD District <u>3</u>	Date <u>4/2/04</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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7/1/2002	99
8/1/2002	145
9/1/2002	394
10/1/2002	683
11/1/2002	1224
12/1/2002	1256
1/1/2003	330
2/1/2003	717
3/1/2003	1472
4/1/2003	534
5/1/2003	690
6/1/2003	254
7/1/2003	1065
8/1/2003	5686
9/1/2003	4482
10/1/2003	4327

BURLINGTON RESOURCES DIVISIONS

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Operations Summary Report

Legal Well Name: HUGHES #11
 Common Well Name: HUGHES #11
 Event Name: CAP WORKOVER
 Contractor Name: AZTEC WELL SERVICE
 Rig Name: AZTEC

Start: 07/16/2003 End: 07/24/2003
 Rig Release: 07/24/2003 Group:
 Rig Number: 485

Spud Date: 11/30/1956

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
07/17/2003	08:00 - 10:00	2.00	MIMO	a	OBJECT	ROAD RIG TO LOCATION.
	10:00 - 11:00	1.00	RURD	a	OBJECT	RIG UP AZTEC 485, SHUT IN TBG & CASING PRESS - 65 PSI, BRAIDEN HEAD PRESS - 0 PSI.
	11:00 - 15:45	4.75	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 TREE, NIPPLE UP BOP, RIG UP FLOOR, CHANGE PIPE RAMS & TBG TOOLS TO 1-1/4".
	16:45 - 17:45	1.00	PULD	a	OBJECT	LAY DOWN 86 JTS 1-1/4" TBG.
07/18/2003	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 WELL SERV, 1 ENERGY AIR, - TOPIC - LIFTING.
	07:30 - 09:30	2.00	MIMO	a	OBJECT	MOVE IN 2-3/8" TBG. SPOT FLOAT.
	09:30 - 10:30	1.00	PULD	a	OBJECT	STRAP, DRIFT & PICK UP 5-1/2" ARROW RBP, 67 JTS 2-3/8" 4.7# J-55 8rd EUE TBG,
	10:30 - 11:15	0.75	TEST	a	OBJECT	SET 5-1/2" ARROW RBP @ 2,128' KB MEAS, ROLL HOLE W/ 2% KCL, RIG UP AMERICAN ENERGY PUMP TRUCK, PRESS TO 1,200 PSI, ESTABLISH RATE @ 1/2 BBL/MIN @ 1,200 PSI, 1 BBL/MIN @ 1,950 PSI. RESET RBP @ 2,081', ESTAB RATE @ 1 BBL/MIN @ 1,900 PSI.
	11:15 - 12:00	0.75	TRIP	a	OBJECT	TRIP OUT W/ 66 JTS 2-3/8" 4.7# J-55 8rd EUE TBG.
	12:00 - 14:00	2.00	TEST	a	OBJECT	TRIP IN W/ 30 JTS 2-3/8" 4.7# 8rd EUE TBG. SET PACKER @ 937', 320', TEST ABOVE PACKER, ESTAB RAT @ 1 BPM @ 1,950 PSI, TEST BELOW PACKER W/ 3,100 PSI, 30 MIN TEST - OK, SET PACKER @ 260', 200', 140', & 120'. ISOLATE HOLE FROM 300' UP TO 124'. ESTAB RATE @ 1950 PSI @ 300', & 1700 PSI @ 124'. TRIP OUT W/ 4 JTS 2-3/8" TBG.
	14:00 - 16:30	2.50	SPOT	a	OBJECT	SPOT 10 GALS SAND ON TOP OF RBP @ 1,996'. WAIT ON BJ.
07/19/2003	16:30 - 19:45	3.25	CEMT	a	OBJECT	SPOT BJ SERVICES, RIG UP, SQUEEZE CEMENT W/ OPEN ENDED 1 JT 2-3/8" TBG @ 35' W/ 2-3/8" X 4' PUP JT W/ CPLG PULLED UP TO UNDERSIDE OF PIPE RAMS, SQUEEZE W/ 80 SX TYPE III CEMENT MIXED @ 14.6 PPG, 1.37 YIELD, PUMP 2 BBLs CEMENT, CIRC 2 BBLs GOOD CEMENT OUT BRAIDEN HEAD, SHUT IN BRAIDEN HEAD @ SQUEEZE 14 BBLs CEMENT INTO HOLES FROM 124' TO 300'. (TOTAL SLURRY @ 16 BBLs) MAX PRESS 2,200 PSI, MIN PRESS 1,100, DISPLACE W/ 1.5 BBLs FRESH WATER, STAGE @ 1/4 BBL/MIN IN THREE STAGES @ 350 PSI, 430 PSI, & 540 PSI. TOTAL DISPLACEMENT - 2.25 BBLs. INSTANT SHUT DOWN PRESS - 200 PSI, 5 MIN PSI - 150 PSI, SHUT IN W/ 150. WASH UP PUMP & LINES, RIG DOWN BJ.
	19:45 - 20:00	0.25	SHDN	a	OBJECT	SECURE LOCATION, SHUT DOWN FOR NIGHT, WAIT ON CEMENT.
	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 - COMMUNICATION
	07:30 - 08:00	0.50	PULD	a	OBJECT	PICK UP 4-3/4" MILL TOOTH BIT, 2 - 3-1/2" DRILL COLLARS, & 1 JT 2-3/8" 4.7# J-55 8rd EUE TBG, TAG CEMENT @ 98'.
	08:00 - 08:15	0.25	CIRC	a	OBJECT	PICK UP POWER SWIVEL, BREAK CIRC W/ 450 SCF/M AIR MIST @ 14 BPH.
	08:15 - 09:00	0.75	DRLG	a	OBJECT	DRILL CEMENT FROM 98' TO 128', POWER SWIVEL WASH PIPE PACKING WASHED OUT.
	09:00 - 12:30	3.50	RRSR	a	OBJECT	WAIT ON PACKING, REPACK POWER SWIVEL.
	12:30 - 16:00	3.50	DRLG	a	OBJECT	DRILL HARD CEMENT FROM 128' TO 300' W/ 450 SCF/M AIR MIST @

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Operations Summary Report

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Legal Well Name: HUGHES #11
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 Event Name: CAP WORKOVER
 Contractor Name: AZTEC WELL SERVICE
 Rig Name: AZTEC

Spud Date: 11/30/1956
 Start: 07/16/2003
 End: 07/24/2003
 Rig Release: 07/24/2003
 Group:
 Rig Number: 485

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
07/19/2003	12:30 - 16:00	3.50	DRLG	a	OBJECT	14 BBLS/HR
	16:00 - 16:30	0.50	TEST	a	OBJECT	TRIP IN W/ 4 JTS 2-3/8" 4.7# J-55 8rd EUE TBG, NO CEMENT. ROLL HOLE W/ FRESH WATER, PRESS TEST CSG W/ 700 PSI, 15 MIN TEST - OK.
	16:30 - 16:45	0.25	TRIP	a	OBJECT	TRIP OUT W/ 9 JTS 2-3/8" 4.7# J-55 8rd EUE TBG, LAY DOWN 2 JTS 3-1/2" DRILL COLLARS, BIT SUB & BIT.
	16:45 - 17:30	0.75	TRIP	a	OBJECT	TRIP IN W/ 66 JTS 2-3/8" 4.7# J-55 8rd EUE TBG W/ RBP RETREIVING TOOL. TAG SAND.
	17:30 - 18:00	0.50	COUT	a	OBJECT	BREAK CIRC W/ 450 SCF/M AIR MIST @ 5 BBLS/HR, CLEAN OUT SAND. RELEASE RBP.
	18:00 - 18:15	0.25	TRIP	a	OBJECT	TRIP IN & TAG FILL @ 2,200', BOTTOM PERF @ 2,183'.
	18:15 - 19:15	1.00	TRIP	a	OBJECT	LAY DOWN 4 JTS 2-3/8" TBG, TRIP OUT W/ 66 JTS 2-3/8" 4.7# J-55 8rd EUE TBG, LAY DOWN RBP.
07/22/2003	19:15 - 19:30	0.25	SHDN	a	OBJECT	SHUT WELL IN, SECURE LOCATION, SHUT DOWN FOR WEEK END.
	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 - FRAC
	07:30 - 08:00	0.50	PULD	a	OBJECT	PICK UP ARROW TENSION PACKER & 14 JTS 2-7/8" N-80 6.5# J-55 8rd EUE TBG & SET PACKER @ 438'.
	08:00 - 08:30	0.50	NUND	a	OBJECT	NIPPLE UP FRAC MANDREL & FRAC VALVE.
	08:30 - 12:30	4.00	FRAC	a	OBJECT	MOVE IN SCHLUMBERGER & RIG UP, SAFETY MEETING, (23 PEOPLE ON LOCATION) TEST LINES TO 4,100 PSI - OK, FRAC PC W/ 70 QUALITY FOAM 20# LINEAR GEL, 100,000# 20/40 ARIZONA SAND 1 PPG TO 4 PPG W/ 337,520 SCF N2, FLUSH W/ 16 FLUID BBLS W/ 12,500 SCF N2, MAX PRESS - 2,550 PSI, MIN PRESS - 1,962 PSI, AVRG PRESS - 2,200 PSI, MAX RATE - 41 BBL/MIN, MIN RATE - 20 BBL/MIN, AVRG RATE - 38 BBL/MIN. ISDP - 1,390 PSI, 300 BBLS TO RECOVER. RIG DOWN SCHLUMBERGR.
07/23/2003	12:30 - 13:00	0.50	NUND	a	OBJECT	NIPPLE DOWN FRAC-Y, NIPPLE UP FLOW TEE & FLOW LINE.
	13:00 - 06:00	17.00	FLOW	a	OBJECT	FLOW BACK FRAC:
						TIME CHOK PRESS WTR SAND GAS
						13:30 8/64" 1200 5 BPH 0 N2 FOAM
						14:30 8/64" 1000 5 BPH 0 N2 FOAM
						15:30 8/64" 500 5 BPH 0 N2 FOAM
						16:30 8/64" 475 4 BPH 0 N2 FOAM
						18:30 8/64" 280 1 BPH 0 N2 FOAM
						22:30 18/64" 90 1 BPH TRC N2 FOAM
						02:00 18/64" 70 1 BPH MED N2 FOAM
07/23/2003	05:00	32/64"	40	2 BPH	TRC	N2 FOAM
	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 - FIRE RESTRICTIONS
	07:30 - 08:00	0.50	PULD	a	OBJECT	NIPPLE DOWN FRAC VALVE & FLOW TEE.
	08:00 - 08:30	0.50	NUND	a	OBJECT	RELEASE ARROW PACKER, WORK THROUGH TIGHT SPOT. LAY DOWN 14 JTS 2-7/8" 6.5# N-80 8rd EUE TBG, LAY DOWN PACKER, PACKER HAD CEMENT CHUNKS IN UNLOADER & ON TOP OF PACKER.
	08:30 - 09:15	0.75	TRIP	a	OBJECT	TRIP IN HOLE W/ SAW TOOTH COLLAR, SEATING NIPPLE, 1 JT 2-3/8" TBG, 2-3/8" X 4' PUP JT, & 67 JTS 2-3/8" 4.7# J-55 8rd EUE TBG. NIPPLE UP AIR LINE.

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Common Well Name: HUGHES #11	
Event Name: CAP WORKOVER	Start: 07/16/2003 End: 07/24/2003
Contractor Name: AZTEC WELL SERVICE	Rig Release: 07/24/2003 Group:
Rig Name: AZTEC	Rig Number: 485

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
07/23/2003	09:15 - 10:00	0.75	COUT	a	OBJECT	BREAK CIRC W/ 300 SCF/M AIR MIST @ 5 BBLS/HR, CLEAN OUT SAND 2,168' TO PBTD @ 2,204'.
	10:00 - 14:00	4.00	BLOW	a	OBJECT	BLOW W/ 250 SCF/M AIR, INITIAL FRAC FLUID @ 6 BBLS/HR, INITIAL SAND @ 2 GAL/HR, FINAL FRAC FLUID @ 3 BBLS/HR, FINAL SAND @ 1 GAL/HR.
	14:00 - 17:00	3.00	FLOW	a	OBJECT	FLOW ON 2" OPEN LINE, FLOWING 4 BBLS/HR FRAC FLUID W/ TRACE OF GAS.
	17:00 - 06:00	13.00	BLOW	a	OBJECT	ALTERNATE FLOW & BLOW. FLOWING 2 BBLS/HR FRAC FLUID AT 05:30 W/MED GAS, NO SAND. TO WET TO PITOT.
07/24/2003	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 - FIRE RESTRICTIONS
	07:30 - 06:00	22.50	BLOW	a	OBJECT	ALTERNATE FLOW & BLOW. WOULD UNLOAD 6+/- BBLS FLUID AFTER EACH BLOW, FLOWING 2 BBLS/HR FRAC FLUID AT 05:30 W/ GAS, NO SAND. TO WET TO PITOT.
07/25/2003	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 - ENVIRONMENTAL PROCEDURES
	07:30 - 11:30	4.00	FLOW	a	OBJECT	FLOW ON 2" OPEN LINE, FLOWING 2 BBLS/HR FRAC FLUID W/ GAS, NO SAND.
	11:30 - 12:30	1.00	BLOW	a	OBJECT	BLOW W/ 250 SCF/M AIR MIST. UNLOAD 6+/- BBLS FRAC FLUID W/ TRACE OF SAND.
	12:30 - 14:00	1.50	FLOW	a	OBJECT	FLOW UP TBG THROUGH 2" OPEN LINE. NO SAND OR WATER, PITOT @ 190 MCF/D.
	14:00 - 15:00	1.00	BLOW	a	OBJECT	BLOW W/ 250 SCF/M AIR. UNLOAD 3+/- BBLS WATER, NO SAND.
	15:00 - 15:30	0.50	TRIP	a	OBJECT	LAY DOWN 2 JTS 2-3/8" TBG, PICK UP 2-3/8" X 8' PUP JT. LAND TBG AS FOLLOWS: 1 - 2-3/8" 8rd EUE SAW TOOTH COLLAR @ 2,163.61' 1 - 2-3/8" X 1.78" ID SEATING NIPPLE @ 2,162.34' 1 - JT 2-3/8" 4.7# J-55 8rd EUE TBG. 1 - 2-3/8" X 4' 4.7# J-55 8RD EUE PUP JT @ 2,127.59' 65 - JTS 2-3/8" 4.7# J-55 8rd EUE TBG. 1 = 2-3/8" X 8' 4.7# J-55 8rd EUE PUP JT @ 41.32'
	15:30 - 16:30	1.00	NUND	a	OBJECT	RIG DOWN FLOOR & BLOOIE LINE, NIPPLE DOWN BOP, NIPPLE UP TREE.
	16:30 - 17:30	1.00	RURD	a	OBJECT	RIG DOWN AZTEC 485. RELEASE RIG @ 17:30 HRS 7/ 24 / 2003.
						TRANSFER 8 JTS 2-7/8" 6.5# N-80 8rd EUE TBG TO CANYON LARGO UNIT # 49.
						2 JTS 2-3/8" 4.7# J-55 8rd EUE TBG TO CANYON LARGO UNIT # 49.