

New Mexico
Energy Minerals and Natural Resources Department

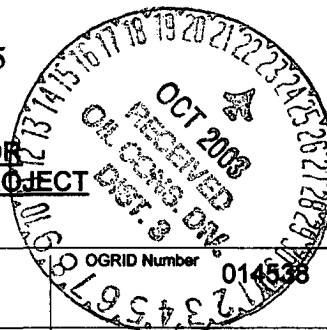
Form C-140
Revised 06/99

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 ZACHRY				Well Number 45		API Number 3004525629
UL O	Section 33	Township 29 N	Range 10 W	Feet From The 825 FSL	Feet From The 1980 FEL	County SAN JUAN

II. Workover

Date Workover Commence 12/21/2002	Previous Producing Pool(s) (Prior to Workover): ARMENTA GALLUP BLANCO MESAVERDE
Date Workover Completed: 2/7/2003	

- 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>10/20/03</u>
SUBSCRIBED AND SWORN TO before me this <u>22nd</u> day of <u>October</u> , <u>2003</u> .		
My Commission expires: <u>September 15, 2004</u>		Notary Public <u>Nancy Olthman</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 4/2/03.

Signature District Supervisor <u>SS. J.</u>	OCD District <u>3</u>	Date <u>12/06/03</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

ZACHRY	45	3004525629	02290	72319	71280
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REG	DTL	DT	GAS PROD	GAS PROD	GAS PROD
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01-Dec-01	0	192	
01-Jan-02	0	46	
01-Feb-02	0	11	
01-Mar-02	0	0	
01-Apr-02	0	93	
01-May-02	0	145	
01-Jun-02	0	282	
01-Jul-02	0	139	
01-Aug-02	0	153	
01-Sep-02	0	266	
01-Oct-02	0	660	
01-Nov-02	0	133	
01-Dec-02	0	88	
01-Jan-03	0	0	
01-Feb-03	0	0	1666
01-Mar-03	0	0	4900
01-Apr-03	0	0	6533
01-May-03	0	0	2561

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Operations Summary Report

Legal Well Name: ZACHRY #45
 Common Well Name: ZACHRY #45
 Event Name: CAP WORKOVER
 Contractor Name: AZTEC WELL SERVICE
 Rig Name: AZTEC

Spud Date: 04/21/1983
 Start: 12/21/2002 End: 02/07/2003
 Rig Release: 02/07/2003 Group:
 Rig Number: 448

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/22/2002	12:00 - 13:30	1.50	MIMO	a	MIRU	ROAD RIG TO LOCATION, SPOT RIG
	13:30 - 16:00	2.50	RURD	a	MIRU	RU RIG & EQUIPMENT, SDFWE
12/24/2002	06:00 - 07:00	1.00	MIMO	a	MIRU	TRAVEL TO LOCATION
	07:00 - 07:15	0.25	SAFE	a	OBJECT	HSM, TOPIC: GENERAL SAFETY, COMMUNICATIONS, RIG CREW PRESENT
	07:15 - 07:30	0.25	NUND	a	OBJECT	NU BLOW LINE TO PIT, SICP 160 PSI, SITP 30 PSI, BH 15 PSI, BLOW WELL TO TANK
	07:30 - 09:15	1.75	HOTO	a	OBJECT	RU HOT OIL TRUCK, CLEAN RODS & PUMP
	09:15 - 11:00	1.75	TRIP	a	OBJECT	TOOH WITH 156-5/8" RODS, 26-3/4" RODS, 1-4', 2-2' PONIES AND PUMP
	11:00 - 12:00	1.00	NUND	a	OBJECT	ND WH, NU BOP, RU TO PULL TBG, PULL UP & FOUND SLIMHOLE COUPLING ON TBB
	12:30 - 13:15	0.75	WAIT	a	OBJECT	WAIT ON SLIP GRIP ELEVATORS
	13:15 - 14:30	1.25	TRIP	a	OBJECT	TOOH, STANDBACK & TALLY 34 STDS TBG (2030'), TOOH & LD 51 JTS, SEATING NIPPLE & 1 CUT JT, 150 JTS TOTAL, FOUND SPLIT IN JT 145
	14:30 - 14:45	0.25	WIRE	a	OBJECT	RU WIRELINE, RIH & SET BAKER 7" MODEL N-1 TOP VENT CIBP @ 2100', POOH W SETTING TOOL, RIH W GR/CCL & LOG CORRELATION STRIP FROM 2100' TO 1900'
	14:45 - 15:00	0.25	PUMP	a	OBJECT	LOAD CSG W 83 BBLS WATER
	15:00 - 16:00	1.00	NUND	a	OBJECT	ND BOP & TBG HEAD, NU FRAC HEAD & VALVE
	16:00 - 16:30	0.50	PRES	a	OBJECT	PRESSURE TEST CSG TO 3700 PSI, TEST OK
	16:30 - 16:45	0.25	NUND	a	OBJECT	ND FRAC VALVE, NU BOP
	16:45 - 17:00	0.25	TRIP	a	OBJECT	TIH W 68 JTS TBG TO 2030', SDFN
12/25/2002	06:00 - 07:30	1.50	MIMO	a	MIRU	TRAVEL TO LOCATION
	07:30 - 07:45	0.25	SAFE	a	OBJECT	HSM, TOPIC: WORKING IN WINTER CONDITIONS, RIG CREW PRESENT
	07:45 - 08:15	0.50	SPOT	a	OBJECT	SPOT 75 GAL 28% HCL ACROSS PERF INTERVAL FROM 2030' TO 2000'
	08:15 - 08:45	0.50	TRIP	a	OBJECT	TOOH W TBG
	08:45 - 09:30	0.75	PERF	a	OBJECT	PERFORATE PICTURED CLIFF 4 SPF FROM 2000' TO 2030'
	09:30 - 10:00	0.50	TRIP	a	OBJECT	TIH W TBG TO CIBP @ 2100'
	10:00 - 10:30	0.50	BLOW	a	OBJECT	BLOW WELL DRY W 1400 CFM AIR
	10:30 - 11:00	0.50	TRIP	a	OBJECT	TOOH & LD REMAINING TBG
	11:00 - 13:00	2.00	RURD	a	RDMO	RD RIG & EQUIP, READY TO MOVE TO NEXT LOCATION
						SUMMARY: MIRU, TOOH W RODS & PUMP, ND WH NU BOP, TOOH W 150 JTS 2.375" TBG, RU WIRELINE, SET 7" CIBP @ 2100', LOAD CSG W WATER, CHANGE OUT WELLHEAD TO 5000 PSI, PRES TEST RBP & CSG TO 3700 PSI, TEST OK, SPOT 75 GAL 28% HCL ACROSS PERF INTERVAL FROM 2000' TO 2100', PERFORATE 4 SPF FROM 2000' TO 2100', TIH W TBG, UNLOAD HOLE, TOOH & LD TBG, ND BOP, NU 3000 SPI FLANGE 2 GATE VALVE AS HOLE COVER, RD RIG & EQUIP
01/22/2003	06:00 - 09:00	3.00	RURD	a	OBJECT	SPOT & R/U B.J. SERVICES FOR STIMULATION.
	09:00 - 09:30	0.50	SAFE	a	OBJECT	SAFETY MEETING W/ 30 PEOPLE ON LOCATION, DISCUSS FRAC PROCEDURE, DISCUSS SAFETY OUTLETS EMERGENCY RESPONSE,
	09:30 - 10:00	0.50	FRAC	a	OBJECT	COOL DOWN PUMPS, LINES, TEST LINES.
	10:00 - 10:30	0.50	FRAC	a	OBJECT	START FLUID THEN CO2, BRK DOWN 1500#, 38 BPM, F.G. .43, AVG F.G. .58, PUMPED 40,000# 12/20 BRADY W/ 10# LINEAR GEL, 21 TONS CO2, TOT FLUID 175 BBLS RATE AVG 50 BPM, MAX 58 BPM,

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Operations Summary Report

Legal Well Name: ZACHRY #45
 Common Well Name: ZACHRY #45
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 Contractor Name: AZTEC WELL SERVICE
 Rig Name: AZTEC

Start: 12/21/2002 Spud Date: 04/21/1983
 End: 02/07/2003
 Rig Release: 02/07/2003 Group:
 Rig Number: 448

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
01/22/2003	10:00 - 10:30	0.50	FRAC	a	OBJECT	MIN 35 BPM, AVG PSI 600, MAX 1500, MIN 300, CO2 AVG 8.1 MAX 11.4 MIN 7.6. PUMPED 7,000 GAL 80 Q CO2 PAD @ 30 TO 50 BPM, 1500 TO 650 PSI. SAND CONC 1 TO 2 PPG. AVG 50 BPM.DISP W/ 9 FLUID & 2 TONS CO2.
	10:30 - 12:00	1.50	RURD	a	OBJECT	R/D B.J.
	12:00 - 13:00	1.00	NUND	a	OBJECT	N/U FLOW LINE.
	13:00 - 02:00	13.00	FLOW	a	OBJECT	OPEN WELL 545 PSI, 12/64 CHOKE FLOWING H,F CO2 20;30 HRS, 80# PSI, CO2 FOA, NO SAND, 02:00 HRS 48/64 CHOKE, WELL DEAD.
02/06/2003	09:00 - 10:45	1.75	MIMO	a	MIRU	ROAD RIG F/ HUEFANO #227 TO LOCATION
	10:45 - 11:00	0.25	SAFE	a	MIRU	SAFETY MEETING - RIGGING UP - 4 MAN RIG CREW, AIR HAND, TOOL PUSHER & CONSULTANT
	11:00 - 12:00	1.00	RRSR	a	MIRU	RU AZTEC #448
	12:00 - 12:30	0.50	RURD	a	OBJECT	SICP - 75#, RU 2" BLOW DOWN LINES & BLED PRESSURE OFF WELL
	12:30 - 13:45	1.25	NUND	a	OBJECT	ND FRAC VALVE & 5000# WELL HEAD, NU 2000# WELL HEAD & BOP'S, RU FLOOR & TBG TONGS
	13:45 - 15:15	1.50	PULD	a	OBJECT	TALLY, PU & RABBIT 2-3/8" CHECK BODY, SN, 1 JT 2-3/8" TBG, 2-3/8" TBG SUB & 56 JTS 2-3/8" TBG, TAG FILL @ 1771', 329' OF FILL
	15:15 - 18:00	2.75	COUT	a	OBJECT	CLEAN OUT FILL F/ 1771'- 2100' W/ 1500 CFM AIR
	18:00 - 06:00	12.00	BLOW	a	OBJECT	BLOW WELL W/ 750 CFM AIR
						TIME-----WATER-----SAND
						20:00 HVY MIST HEAVY
02/07/2003	06:00 - 06:30	0.50	MIMO	a	OBJECT	ROAD CREW TO LOCATION
	06:30 - 06:45	0.25	SAFE	a	OBJECT	SAFETY MEETING - BLEEDING AIR OFF TBG - 4 MAN RIG CREW, AIR HAND & CONSULTANT
	06:45 - 07:15	0.50	TRIP	a	OBJECT	TOH W/ 20 JTS 2-3/8" TBG
	07:15 - 08:30	1.25	FLOW	a	OBJECT	FLOW WELL TO PIT, 10' FLARE
	08:30 - 08:45	0.25	TRIP	a	OBJECT	TIH W/ 18 JTS 2-3/8" TBG, TAG FILL @ 2047', 53' OF FILL
	08:45 - 09:30	0.75	COUT	a	OBJECT	CLEAN OUT FILL F/ 2047'- 2100' W/ 1500 CFM AIR
	09:30 - 11:00	1.50	BLOW	a	OBJECT	BLOW WELL W/ 750 CFM AIR, MAKING MEDIUM MIST & LIGHT SAND
	11:00 - 11:15	0.25	TRIP	a	OBJECT	TOH W/ 20 JTS 2-3/8" TBG
	11:15 - 12:30	1.25	FLOW	a	OBJECT	FLOW WELL TO PIT, 10' FLARE
	12:30 - 12:45	0.25	TRIP	a	OBJECT	TIH W/ 20 JTS 2-3/8" TBG, TAG FILL @ 2074', 26' OF FILL
	12:45 - 13:15	0.50	COUT	a	OBJECT	CLEAN OUT FILL F/ 2074'- 2100' W/ 1500 CFM AIR
	13:15 - 14:00	0.75	BLOW	a	OBJECT	BLOW WELL W/ 750 CFM AIR, MAKING LIGHT MIST & LIGHT SAND
	14:00 - 14:15	0.25	TRIP	a	OBJECT	TOH W/ 20 JTS 2-3/8" TBG
	14:15 - 15:30	1.25	FLOW	a	OBJECT	FLOW WELL TO PIT, 10' FLARE
	15:30 - 15:45	0.25	TRIP	a	OBJECT	TIH W/ 20 JTS 2-3/8" TBG, TAG FILL @ 2097', 3' OF FILL
	15:45 - 16:15	0.50	COUT	a	OBJECT	CLEAN OUT FILL F/ 2094'- 2100' W/ 1500 CFM AIR
	16:15 - 17:00	0.75	BLOW	a	OBJECT	BLOW WELL W/ 750 CFM AIR, MAKING LIGHT MIST & TRACE OF SAND
	17:00 - 06:00	13.00	FLOW	a	OBJECT	PU TBG 55', FLOW WELL OVERNITE, PITOT - 247 MCF
02/08/2003	06:00 - 06:30	0.50	MIMO	a	OBJECT	ROAD CREW TO LOCATION
	06:30 - 06:45	0.25	SAFE	a	OBJECT	SAFETY MEETING - ND BOP'S - 4 MAN RIG CREW, AIR HAND &

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 Rig Release: 02/07/2003 Group:
 Rig Number: 448

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
02/08/2003	06:30 - 06:45	0.25	SAFE	a	OBJECT	CONSULTANT
	06:45 - 08:00	1.25	NUND	a	OBJECT	LOWERED TBG 55', NO FILL, LD 3 JTS 2-3/8" TBG, ND BOP'S, NU TBG HEAD, LAND TBG @ 2001.07', TBG BREAKDOWN AS FOLLOWS: 1 - 2-3/8" CHECK BODY 0.75' 1 - 2-3/8" SEATING NIPPLE W/ 1.78" ID 0.78' 1 JT - 2-3/8" 4.7# EUE 8RD J-55 TBG 31.00' 1 - 2-3/8" 4.7# EUE 8RD J-55 TBG SUB 2.14' 63 JTS - 2-3/8" 4.7# EUE 8RD J-55 TBG 1956.40' K.B. 10.00' TOTAL 2001.07'
	08:00 - 09:00	1.00	RURD	a	OBJECT	S.N. @ 1999.54' RD AZTEC #448, RELEASED RIG @ 09:00 02/07/2003, PITOT WELL - 247 MCF BR YARD SENT 71 JTS 2-3/8" YELLOW BAND TBG TO WELL SENT 7 JTS 2-3/8" YELLOW BAND TBG TO BR YARD WELL SUMMARY MI&RU AZTEC #448, SICP - 75#, BLED PRESS OF WELL, ND FRAC VALVE & WH, NU WH & BOP'S, PU 57 JTS 2-3/8" TBG, C/O FILL F/ 1771'- 2100', BLOW & FLOW WELL, ND BOP'S, NU TBG HEAD, RD AZTEC #448, PITOT - 247 MCF