

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

**APPLICATION FOR
WELL WORKOVER PROJECT**



**SUBMIT ORIGINAL
PLUS 2 COPIES
TO APPROPRIATE
DISTRICT OFFICE**

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 HUERFANITO UNIT				Well Number 77		
API Number 3004506358						
UL	Section	Township	Range	Feet From The	Feet From The	County
K	24	27N	9W	1850 FSL	1850 FWL	San Juan

II. Workover

Date Workover Commence 12/20/02	Previous Producing Pool(s) (Prior to Workover): OTERO CHACRA (GAS)
Date Workover Completed: 2/3/03	

- 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>10/22/03</u>
SUBSCRIBED AND SWORN TO before me this <u>22</u> day of <u>October</u> , <u>2003</u> .		
Notary Public		
My Commission expires: <u>September 15, 2004</u>		
<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 2/3/03.

Signature District Supervisor <u>[Signature]</u>	OCD District <u>3</u>	Date <u>12/6/03</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

HUERFANITO UNIT 77**3004506358****82329****72439****REG DTL DT GAS PROD GAS PROD**

01-Nov-00	936	
01-Dec-00	885	
01-Jan-01	809	
01-Feb-01	710	
01-Mar-01	569	
01-Apr-01	961	
01-May-01	996	
01-Jun-01	813	
01-Jul-01	937	
01-Aug-01	939	
01-Sep-01	932	
01-Oct-01	1142	
01-Nov-01	915	
01-Dec-01	1063	
01-Jan-02	805	
01-Feb-02	712	
01-Mar-02	672	
01-Apr-02	721	
01-May-02	648	
01-Jun-02	600	
01-Jul-02	602	
01-Aug-02	769	
01-Sep-02	749	
01-Oct-02	630	
01-Nov-02	782	
01-Dec-02	503	
01-Jan-03	0	
01-Feb-03	0	3924
01-Mar-03	0	3929
01-Apr-03	0	2313
01-May-03	0	2278

BURLINGTON RESOURCES O & G CO

Operations Summary Report

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Legal Well Name: HUERFANITO UNIT #77
 Common Well Name: HUERFANITO UNIT #77
 Event Name: CAP WORKOVER
 Contractor Name: AZTEC WELL SERVICE
 Rig Name: AZTEC

Start: 12/20/2002 Spud Date: 09/18/1962
 Rig Release: 02/03/2003 End: 02/03/2003
 Group:
 Rig Number: 448

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/21/2002	11:00 - 12:00	1.00	MIMO	a	PREWRK	ROAD RIG TO HUERFANITO # 77, SPOT RIG.
	12:00 - 14:00	2.00	RURD	a	PREWRK	RU PU AND ASSOCIATED EQUIPMENT.
	14:00 - 14:30	0.50	BLOW	a	OBJECT	260 PSI ON CSG, 180 PSI ON TBG, 0 PSI ON BRADENHEAD, BWD TO PIT.
	14:30 - 15:30	1.00	NUND	a	OBJECT	ND WH, NU BOP.
	15:30 - 16:00	0.50	RURD	a	OBJECT	RU PU FLOOR, TONGS AND ETC.
	16:00 - 16:45	0.75	TRIP	a	OBJECT	TOH STAND BACK 35 STDS 2 3/8" J-55 TBG, LD 24 JTS 2 3/8" J-55 TBG.
	16:45 - 17:00	0.25	SHDN	a	OBJECT	SECURED LOCATION, SIW, SDFD. DID NOT RUN AIR PACKAGE, NO FUEL USED.
12/22/2002	06:00 - 07:15	1.25	SRIG	a	PREWRK	ROAD CREW TO LOCATION, SERVICE AND START RIG.
	07:15 - 07:30	0.25	SAFE	a	PREWRK	SAFETY MEETING ON WORKING AROUND HIGH PRESSURE LINES, RIG CREW, AIR HAND AND RIG SUPERVISOR WERE ALL PRESENT.
	07:30 - 08:00	0.50	RURD	a	PREWRK	MIRU BASIN WIRELINE UNIT.
	08:00 - 08:30	0.50	PCKR	a	OBJECT	RIH W/ WIRELINE, SET CIBP @ 2900', POOH W/ WIRELINE.
	08:30 - 09:00	0.50	CASE	a	OBJECT	RIH W/ WIRELINE, RAN GR/CCL FROM 2200' TO 2000', POOH W/ WIRELINE.
	09:00 - 09:30	0.50	PCKR	a	OBJECT	RIH W/ WIRELINE, SET CIBP @ 2204', POOH W/ WIRELINE.
	09:30 - 10:30	1.00	NUND	a	OBJECT	ND BOP & OLD 3000 PSI WELLHEAD, NU NEW 5000 PSI WELLHEAD.
	10:30 - 11:00	0.50	PRES	a	OBJECT	LOAD CSG W/ 35 BBLS H2O, TEST CSG TO 3700 PSI, HELD.
	11:00 - 11:30	0.50	NUND	a	OBJECT	ND FLANGED OFF TOP OF WELLHEAD, NU BOP.
	11:30 - 11:45	0.25	RURD	a	OBJECT	RU BASIN WIRELINE.
	11:45 - 12:30	0.75	SPOT	a	OBJECT	RIH W/ WIRELINE BAILER, SPOT 30 GALS 28% HCL FROM 2070' TO 2110', POOH W/ WIRELINE.
	12:30 - 13:30	1.00	PERF	a	OBJECT	RIH W/ WIRELINE, PERFORATE PC FROM 2070' TO 2110' W/ 4 SPF ON 90 DEGREE PHASE FOR A TOTAL OF 160 HOLES, POOH W/ WIRELINE.
	13:30 - 13:45	0.25	RURD	a	OBJECT	RD, RELEASE BASIN WIRELINE.
	13:45 - 14:15	0.50	TRIP	a	OBJECT	TIH W/ 35 STDS 2 3/8" J-55 TBG, TAGGED CIBP @ 2204'.
	14:15 - 15:00	0.75	CIRC	a	OBJECT	CIRC W/ AIR, UNLOAD AND DRY OUT WELLBORE.
01/08/2003	15:00 - 15:45	0.75	PULD	a	OBJECT	TOH, LD 70 JTS 2 3/8" J-55 TBG, FOR A TOTAL OF 94 JTS TBG.
	15:45 - 16:15	0.50	NUND	a	OBJECT	ND BOP, NU FRANGE W/ 5000 PSI VALVE, SIW.
	16:15 - 17:00	0.75	RURD	a	OBJECT	RD, RELEASED RIG @ 17:00 HRS, TRANSFERRED 94 JTS USE 2 3/8" J-55 TBG TO BR YARD.
						FUEL METER READING START 1169 GALS FUEL METER READING END 1189
						USED 20 GALS FUEL, RAN ONE AND ONE W/ NO MIST PUMP.
	09:00 - 10:00	1.00	RURD	a	OBJECT	SPOT & R/U SCHLUMBERGER DOWELL. TEST LINES, PRIME PUMPS,
	10:00 - 10:30	0.50	SAFE	a	OBJECT	SAFETY MEETING 2/ 22 PEOPLE ON LOCATION, DISCUSS FRAC PROCEDURE, POINT OUT SAFE AREAS, ASSIGN POSITIONS.
	10:30 - 11:30	1.00	FRAC	a	OBJECT	BRK DOWN @ 1349 @ 6.2 BPM, INC RATES, 10# LINEAR GEL, PUMPED 85,000# 20/40 BRADY & 15,000# 12/20 BRADY @ MAX RATE 50 BPM, MIN 48, AVG 50, MAX PSI 1831, AVG 1680, MIN 1094, TOT N2 301,300 SCF, FRAC LOAD 312 BBLS, FLUSH 12 BBLS, TOT LOAD 324, ISIP 1122,
	11:30 - 12:30	1.00	RURD	a	OBJECT	R/D DOWELL
	12:30 - 06:00	17.50	FLOW	a	OBJECT	TIME—CHOKE—PSI—SAND—FLUID 13:00—12/64—1000—N,S—H,M 15:00—14/64—800—N,S—H,M 18:00—18/64—600—N,S—H,M

BURLINGTON RESOURCES O & G CO

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 Rig Name: AZTEC

Spud Date: 09/18/1962
 Start: 12/20/2002 End: 02/03/2003
 Rig Release: 02/03/2003 Group:
 Rig Number: 448

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
01/08/2003	12:30 - 06:00	17.50	FLOW	a	OBJECT	21:00 — 20/64 — 400 — N,S — H,F 23:00 — 22/64 — 300 — N,S — H,F 01:00 — 24/64 — 200 — N,S — M,F 03:00 — 28/64 — 160 — N,S — M,F 05:00 — 32/64 — 160 — N,S — M,F
01/10/2003	06:00 - 06:00	24.00	FLOW	a	OBJECT	TIME — CHOKE — PSI — SAND — FLUID 06:00 — 22/64 — 140 — N,S — H,M 10:00 — 24/64 — 120 — N,S — H,M 15:00 — 32/64 — 95 — H,S — H,M 20:00 — 24/64 — 110 — L,S — M,M 01:00 — 32/64 — 85 — L,S — M,M 05:00 — 32/64 — 65 — N,S — M,M
01/11/2003	06:00 - 06:00	24.00	FLOW	a	OBJECT	TIME — CHOKE — PSI — SAND — FLUID 06:00 — 32/64 — 50 — N,S — L,M, 12:00 — 38/64 — 40 — N,S — L,M 21:00 — 48/64 — 34 — N,S — (0) FLOWED @ 34# NO SAND INTERMITENET MIST, FOR NEXT 9 HRS, FLARE WELL, CLOSE WELL IN @ 6:00 HRS 1/11/2003, APPROX 499 MCF.
02/01/2003	06:00 - 07:00	1.00	MIMO	a	MIRU	TRAVEL TO LOC. WARM UP UNIT.
	07:00 - 09:30	2.50	MIMO	a	MIRU	ROAD RIG TO LOC. MIRU AWS #448.
	09:30 - 10:30	1.00	NUND	a	PREWRK	SICP- 200 PSI. BLEED DOWN WELL. ND FRAC VALVE. NU BOP. BUILD BLOOE LINE.
	10:30 - 12:30	2.00	PULD	a	OBJECT	PU 2 3/8" EXP CHECK. STRAP, RABBIT, & PU 2 3/8" TBG OFF FLOAT. TAG FILL @ 2123'.
	12:30 - 14:30	2.00	BLOW	a	OBJECT	CO FILL W/ STRAIGHT AIR (NO MIST) TO CIBP @ 2204'.
	14:30 - 17:00	2.50	BLOW	a	OBJECT	CONT' BLOW CLEAN W/ 1 & 1. RETURNING LT SAND W/ NO FLUID.
	17:00 - 06:00	13.00	FLOW	a	OBJECT	ALTERNATE BETWEEN 4 HR NATURAL FLOW & 1 HR UNLOAD * BLOW CLEAN. ON NATURAL FLOW - 15' FLARE, TRACE SAND- NO FLUID. UNLOADING NO FLUID W/ AIR ON.
02/02/2003	06:00 - 06:00	24.00	FLOW	a	CLEAN	CONT' FLOW WELL CLEAN. RETURNING TRACE SAND NO FLUID.
02/03/2003	06:00 - 06:00	24.00	FLOW	a	CLEAN	CONT' FLOW WELL CLEAN THRU WEEKEND. RETURNING TRACE SAND. NO FLUID.
02/04/2003	06:00 - 06:45	0.75	MIMO	a	OBJECT	ROAD CREW TO LOCATION
	06:45 - 07:00	0.25	SAFE	a	OBJECT	SAFETY MEETING - TRIPPING PIPE - 4 MAN RIG CREW, AIR HAND & CONSULTANT
	07:00 - 08:00	1.00	TRIP	a	OBJECT	TOH W/ 71 JTS 2-3/8" TBG & EXP CK
	08:00 - 08:15	0.25	PCKR	a	OBJECT	PU 4-1/2" RBP & SET @ 30'
	08:15 - 08:45	0.50	NUND	a	OBJECT	ND BOP'S, ND 5000# WELL HEAD, NU 3000# WELL HEAD & NU BOP'S
	08:45 - 09:00	0.25	PCKR	a	OBJECT	LD 4-1/2" RBP
	09:00 - 10:15	1.25	TRIP	a	OBJECT	BROACH IN HOLE W/ 2-3/8" MS SUB, SN, 1 JT 2-3/8" TBG, 2-3/8" TBG SUB & 70 JTS 2-3/8" TBG, NO FILL
	10:15 - 11:00	0.75	NUND	a	OBJECT	LD 5 JTS 2-3/8" TBG, ND BOP'S, NU TBG HEAD, LAND TBG @ 2064.54', TBG BREAKDOWN AS FOLLOWS: 1 - 2-3/8" MULE SHOE SUB 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 31.36' 1 - 2-3/8" 4.7# EUE 8RD J-55 TBG SUB 2.12' 65 JTS - 2-3/8" 4.7# EUE 8RD J-55 TBG 2019.53' K.B. 10.00' TOTAL 2064.54'
						S.N. @ 2063.01'

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Contractor Name: AZTEC WELL SERVICE
Rig Name: AZTEC

Spud Date: 09/18/1962
Start: 12/20/2002 End: 02/03/2003
Rig Release: 02/03/2003 Group:
Rig Number: 448

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
02/04/2003	11:00 - 12:00	1.00	RURD	a	OBJECT	RD AZTEC #448, RELEASED RIG @ 12:00 02/03/2003, PITOT GAUGE - 309 MCF BR YARD SENT 71 JTS 2-3/8" TBG TO WELL SENT 5 JTS 2-3/8" TBG TO BR YARD WELL SUMMARY MI&RU AZTEC #448, SICP - 200#, BLED PRESS OF WELL, ND FRAC VALVE, NU BOP'S, PU 68 JTS 2-3/8" TBG, C/O FILL F/ 2123'- 2204', BLOW & FLOW WELL, TOH W/ TBG, RUN RBP, X-O WELL HEAD, TIH W/ TBG, NO FILL, ND BOP'S, NU TBG HEAD, RD AZTEC #448, PITOT - 309 MCF