

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 CANYON LARGO UNIT				Well Number 278		API Number 3003920889	
UL K	Section 11	Township 25 N	Range 6 W	Feet From The 1960 FSL	Feet From The 1820 FWL	County RIO ARRIBA	

II. Workover

Date Workover Commence 08/04/2003	Previous Producing Pool(s) (Prior to Workover): BASIN DAKOTA
Date Workover Completed: 08/13/2003	

- 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>) <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 Winsatt</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 8-13, 2003.

Signature District Supervisor <u>Charles H.</u>	OCD District <u>AZTEC III</u>	Date <u>4-16-2004</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

CANYO LARGO UNIT 278

3003920889

71599

82329

REG_DTL_DT	GAS_PROD	GAS_PROD
01-Aug-02	1534	
01-Sep-02	1453	
01-Oct-02	1412	
01-Nov-02	1415	
01-Dec-02	1458	
01-Jan-03	1334	
01-Feb-03	1337	
01-Mar-03	1343	
01-Apr-03	1256	
01-May-03	1606	
01-Jun-03	1630	
01-Jul-03	1581	
01-Aug-03	907	907
01-Sep-03	3169	3169
01-Oct-03	2915	2915
01-Nov-03	2773	2773

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Operations Summary Report

Legal Well Name: CANYON LARGO UNIT #278

Common Well Name: CANYON LARGO UNIT #278

Event Name: CAP WORKOVER

Start: 08/04/2003

Spud Date:

End: 08/13/2003

Contractor Name: AZTEC WELL SERVICE

Rig Release: 08/13/2003

Group:

Rig Name: AZTEC

Rig Number: 521

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
08/06/2003	06:00 - 07:00	1.00	SRIG	a	OBJECT	TRAVEL TO LOCATION, SERVICE & START RIG
	07:00 - 07:15	0.25	SAFE	a	OBJECT	HSM, DRIVING IN MUDDY CONDITIONS, RIG CREW PRESENT
	07:15 - 08:00	0.75	MIMO	a	OBJECT	ROAD RIG TO LOCATION, SPOT RIG
	08:00 - 08:30	0.50	RURD	a	OBJECT	RU RIG, NU 2" BLOW LINE TO PIT
	08:30 - 09:00	0.50	BLOW	a	OBJECT	SITP 160 PSI, SICP 60 PSI, BH OPEN, BLOW WELL TO PIT
	09:00 - 09:15	0.25	KILL	a	OBJECT	KILL TBG W 20 BBLs 2% KCL
	09:15 - 10:30	1.25	NUND	a	OBJECT	UNSEAT TBG HANGER, PU TO 30,000#, STRING WEIGHT 20, 000#, PU TO 35,000#, PACKER WILL NOT RELEASE, BY PASS NOT OPENING ON PACKER, CALL FOR WIRELINE SPECIALTIES TO FREE POINT
	10:30 - 11:45	1.25	WAIT	a	OBJECT	WAIT ON WIRELINE TO FREE POINT
	11:45 - 13:00	1.25	WIRE	a	OBJECT	RU WIRELINE SPECIALTIES, TIH W FREE POINT TOOL, HIT PARAFFIN @ 430', POOH W TOOLS, CALL FOR HOT OIL TRUCK
	13:00 - 15:00	2.00	WAIT	a	OBJECT	WAIT ON HOT OIL TRUCK
	15:00 - 16:30	1.50	HOTO	a	OBJECT	CLEAN INSIDE TBG W HOT KCL
	16:30 - 19:30	3.00	WIRE	a	OBJECT	RUN FREE POINT, FOUND PIPE FREE TO TOP OF PACKER, NO MOVEMENT BELOW PACKER, CUT TBG 6' ABOVE PACKER, RD WIRELINE, SECURE LOCATION, SDFN
08/07/2003	06:00 - 07:00	1.00	SRIG	a	OBJECT	TRAVEL TO LOCATION, SERVICE & START RIG
	07:00 - 07:15	0.25	SAFE	a	OBJECT	HSM, LAYING DOWN & PICKING UP TBG, RIG CREW PRESENT, SIWHP 0 PSI
	07:15 - 11:00	3.75	TRIP	a	OBJECT	TOOH & LD 224 JTS 1.5" TBG
	11:00 - 12:30	1.50	PULD	a	OBJECT	PU OVERSHOT ASSY DRESSED W 1.9" GRAPPLE, JARS, FOUR DRILL COLLARS & INTENSIFIER
	12:30 - 17:00	4.50	TRIP	a	OBJECT	TALLY, PU, RABBIT & TIH W 218 JTS 2.375" J-55 4.7 PPF EUE 8 RD TBG, STAGED @ 4000' & 6000', TAG & ENGAGE FISH @ 6900'
	17:00 - 17:30	0.50	CIRC	a	OBJECT	EST CIRC W 1400 CFM AIR
	17:30 - 18:30	1.00	FISH	a	OBJECT	JAR FISH LOOSE
	18:30 - 20:00	1.50	TRIP	a	OBJECT	TOOH W OVERSHOT ASSY W 7' SECTION OF 1.5" TBG, SECURE LOCATION, SDFN
08/08/2003	06:00 - 07:00	1.00	SRIG	a	OBJECT	TRAVEL TO LOCATION, SERVICE & START RIG
	07:00 - 07:15	0.25	SAFE	a	OBJECT	HSM, SAFETY DURING FISHING OPERATIONS, RIG CREW PRESENT, SIWHP 0 PSI
	07:15 - 07:45	0.50	PULD	a	OBJECT	PU SHORT CATCH OVERSHOT ASSY W 2.5" GRAPPLE, JARS, FOUR DRILL COLLARS & INTENSIFIER
	07:45 - 09:15	1.50	TRIP	a	OBJECT	TIH W OVERSHOT ASSY ON 218 JTS TBG
	09:15 - 09:45	0.50	CIRC	a	OBJECT	EST CIRC W 1400 CFM AIR & 4 BPH MIST
	09:45 - 10:30	0.75	FISH	a	OBJECT	ATTEMPT TO ENGAGE FISH
	10:30 - 13:30	3.00	TRIP	a	OBJECT	TOOH W OVERSHOT ASSY, GRAPPLE BROKEN ON BOTTOM EDGE, APPEARS FISH TOO LARGE DIAMETER TO GO IN GRAPPLE
	13:30 - 16:00	2.50	TRIP	a	OBJECT	TIH W SHORT CATCH OVERSHOT W 2.625" GRAPPLE, JARS, FOUR DRILL COLLARS & INTENSIFIER ON 218 JTS TBG
	16:00 - 16:30	0.50	BLOW	a	OBJECT	EST CIRC W 1400 CFM AIR & 4 BPH MIST
	16:30 - 16:45	0.25	FISH	a	OBJECT	ENGAGE FISH, JAR @ 50,000# (16,000# OVER), JAR PACKER LOOSE
08/09/2003	16:45 - 19:30	2.75	TRIP	a	OBJECT	TOOH & LD OVERSHOT ASSY & FISH, SECURE LOCATION, SDFN
	06:00 - 07:00	1.00	SRIG	a	OBJECT	TRAVEL TO LOCATION, SERVICE & START RIG
	07:00 - 07:15	0.25	SAFE	a	OBJECT	HSM, RUNNING CIBP & PACKERS, RIG CREW PRESENT, SIWHP 60 PSI
	07:15 - 08:00	0.75	PULD	a	OBJECT	LD 4 DRILL COLLARS
	08:00 - 09:00	1.00	TRIP	a	OBJECT	PU & TIH W 4 1/2" CIBP ON 132 JTS TBG, SET CIBP @ 4100'
	09:00 - 09:30	0.50	PUMP	a	OBJECT	LOAD CSG W 60 BBLs 2% KCL
	09:30 - 10:00	0.50	PRES	a	OBJECT	CLOSE PIPE RAMS, PRESSURE TEST TO 1000 PSI, TEST OK

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Operations Summary Report

Legal Well Name: CANYON LARGO UNIT #278

Common Well Name: CANYON LARGO UNIT #278

Event Name: CAP WORKOVER

Start: 08/04/2003

Spud Date:

End: 08/13/2003

Contractor Name: AZTEC WELL SERVICE

Rig Release: 08/13/2003

Group:

Rig Name: AZTEC

Rig Number: 521

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
08/09/2003	10:00 - 10:15	0.25	SPOT	a	OBJECT	SPOT 500 GALS 15% KCL TRIPLE INHIBITED FROM 3250' TO 4000', DISPLACE W 12 BBLS 2% KCL
	10:15 - 11:00	0.75	TRIP	a	OBJECT	TOOH W 66 STDS TBG & SETTING TOOL
	11:00 - 14:00	3.00	CASE	a	OBJECT	RU BWWC, RUN GR-CCL-CBL FROM 4100' TO 2100', STILL IN CEMENT, DID NOT LOG TO CEMENT TOP
	14:00 - 14:30	0.50	PRES	a	OBJECT	TIH W PACKER TO 30', PRESSURE TEST CSG & CIBP TO 3000 PSI, TEST OK, TOOH W PACKER, SECURE LOCATION, SDFN
08/12/2003	06:00 - 07:00	1.00	SRIG	a	OBJECT	TRAVEL TO LOCATION, SERVICE & START RIG
	07:00 - 07:15	0.25	SAFE	a	OBJECT	HSM, WORKING AROUND HIGH PRESSURE EQUIPMENT, RIG CREW PRESENT, SIWHP 0 PSI
	07:15 - 09:00	1.75	PERF	a	OBJECT	RU BWWC, PERF CHACRA W 25 SHOTS, 1 SPF, 0.33" DIAMETER, 25.89" PENETRATION, 12 GRAM CHARGE (GOEX XII-GM) @ 3867, 3853, 3835, 3826, 3763, 3747, 3720, 3716, 3704, 3699, 3687, 3655, 3643, 3632, 3631, 3624, 3622, 3620, 3616, 3564, 3500, 3462, 3254, 3176, 3174, ALL SHOT FIRED
	09:00 - 09:30	0.50	NUND	a	OBJECT	TIH W 4G 1/2" PACKER ON 2-10' x 2.875" N-80 PUP JT, SET PACKER @ 28', NU FRAC MANDREL, FRAC VALVE & FRAC Y
	09:30 - 10:00	0.50	RURD	a	OBJECT	RU DOWELL FRAC CREW
	10:00 - 10:30	0.50	SAFE	a	OBJECT	HOLD PREJOB SAFETY MEETING, 28 PEOPLE ON LOCATION
	10:30 - 11:30	1.00	FRAC	a	OBJECT	20# LINEAR 75% N2 FOAM BREAKDOWN CHACRA @ 1038 PSI @ 3 BPM FRAC LOAD 609 BBLS, FLUSH 16 BBLS, TOTAL LOAD 625 BBLS MAX RATE 40 BPM, MIN RATE 38 BPM, AVE RATE 39 BPM MAX PSI 3000, MIN PSI 2832, AVE PSI 2877 TOTAL N2 1,256,400 SCF, 20/40 BRADY 200,000# ISIP 1952 PSI
	11:30 - 14:00	2.50	RURD	a	OBJECT	RD DOWELL, RU FLOW BACK LINES
	14:00 - 06:00	16.00	FLOW	a	OBJECT	1400 HRS, 2100 PSI SHUT IN PRESSURE, OPEN ON 14/64 CHOKE 1500 HRS, 1400 PSI, CHANGE TO 12/64 CHOKE, HM, LF, HS 1700 HRS, 1660 PSI, CHANGE TO 14/64 CHOKE, HM, LF, LS 1800 HRS, 1550 PSI, CHANGE TO 16/64 CHOKE, HM, HF, LS 2000 HRS, 1300 PSI, CHANGE TO 20/64 CHOKE, HM, HF, LS 2200 HRS, 950 PSI, CHANGE TO 24/64 CHOKE, HM, HF, TS 0100 HRS, 560 PSI, CHANGE TO 32/64 CHOKE, HM, HF, TS 0300 HRS, 290 PSI, CHANGE TO 48/64 CHOKE, HM, HF, TS 0400 HRS, 140 PSI, OPEN ON 32/64 & 48/64 CHOKE, HM, HF, TS 0500 HRS, 50 PSI, OPEN ON 2", HM, HF, TS
						TRAVEL TO LOCATION, SERVICE & START RIG
08/13/2003	06:00 - 07:00	1.00	SRIG	a	OBJECT	HSM, CLEANING OUT W AIR, RIG CREW PRESENT
	07:00 - 07:15	0.25	SAFE	a	OBJECT	KILL WELL W 20 BBLS 2% KCL
	07:15 - 07:45	0.50	KILL	a	OBJECT	ND FRAC VALVE, RELEASE PACKER, ND FRAC MANDREL
	07:45 - 08:30	0.75	NUND	a	OBJECT	TIH W 3.875" MILL ON 126 JTS TBG & TAG FILL @ 3920'
	08:30 - 09:30	1.00	TRIP	a	OBJECT	PU POWER SWIVEL, RU AIR, CO W 1400 CFM & 4 BPH MIST TO CIBP @ 4100'
	09:30 - 11:15	1.75	COUT	a	OBJECT	MILL CIBP @ 4100' W 1400 CFM AIR & 15 BPH MIST, MIILL PLUG IN 20 MINS
	11:15 - 11:45	0.50	MILL	a	OBJECT	SET BACK POWER SWIVEL TIH TO PBTD
	11:45 - 12:15	0.50	TRIP	a	OBJECT	BLOW WELL W 1400 CFM AIR & 4 BPH MIST
	12:15 - 13:00	0.75	BLOW	a	OBJECT	TOOH W MILL ASSY, TIH W PRODUCTION TBG TO BPTD, BROACH FIRST HALF TBG STRING, PU OFF BTM 4 JTS
	13:00 - 17:00	4.00	TRIP	a	OBJECT	BLOW WELL W 2 BOOSTER & 1 COMPR
	17:00 - 06:00	13.00	BLOW	a	OBJECT	1700 HRS, COMPR 2-1, NO MIST, 500 PSI, 1.5 BPH WTR, NO SAND 1800 HRS, COMPR 2-1, NO MIST, 400 PSI, .9 BPH WTR, NO SAND

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Operations Summary Report

Legal Well Name: CANYON LARGO UNIT #278
 Common Well Name: CANYON LARGO UNIT #278
 Event Name: CAP WORKOVER
 Contractor Name: AZTEC WELL SERVICE
 Rig Name: AZTEC

Spud Date: 08/13/2003
 Start: 08/04/2003 End: 08/13/2003
 Rig Release: 08/13/2003 Group:
 Rig Number: 521

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
08/13/2003	17:00 - 06:00	13.00	BLOW	a	OBJECT	2000 HRS, COMPR 1-1, NO MIST, 220 PSI, .8 BPH WTR, NO SAND 2400 HRS, COMPR 1-1, NO MIST, 225 PSI, .7 BPH WTR, NO SAND 0500 HRS, COMPR 1-1, NO MIST, 220 PSI, .8 BPH WTR, NO SAND
08/14/2003	06:00 - 07:00	1.00	MIMO	a	OBJECT	TRAVEL TO LOCATION, SERVICE & START RIG
	07:00 - 07:15	0.25	SAFE	a	OBJECT	HSM, RIGGING DOWN EQUIPMENT, RIG CREW PRESENT, SIWHP 500 PSI, BLOW WELL TO PIT
	07:15 - 08:00	0.75	TRIP	a	OBJECT	TIH W TBG, TAG FILL @ 7190', 50' FILL, CO TO PBTD
	08:00 - 10:00	2.00	FLOW	a	OBJECT	FLOW WELL NATURAL
	10:00 - 10:30	0.50	TRIP	a	OBJECT	TIH W TBG, TAG PBTD, NO FILL
	10:30 - 11:00	0.50	BRCH	a	OBJECT	BROACH TOP HALF OF TBG
	10:00 - 11:03	1.05	FLOW	a	OBJECT	LAND 229 JTS 2.375" TBG @ 7151.33' W X-CHECK ON BTM & SEATING NIPPLE 1 JTS OFF BTM
	11:30 - 12:00	0.50	BLOW	a	OBJECT	ND BOP, NU WELLHEAD
	12:00 - 13:00	1.00	PUMP	a	OBJECT	DROP BALL & PUMP EXPENDABLE CHECK @ 500 PSI, REVERSE FLOW UP TBG
	13:00 - 14:00	1.00	TEST	a	OBJECT	PITOT WELL ON 2" LINE @ 1065 MCFD WET
	14:00 - 15:00	1.00	RURD	a	OBJECT	RD RIG & EQUIPMENT
						SUMMARY: MIRU, NDWH, NU BOP, FOUND PACKER STUCK, FREE POINT & CUT TBG ABOVE PACKER, TOO H & LD 226 JTS 1.5" TBG, PU & TIH W OVERSHOT ASSY ON 2.375" TBG, TOO H & LD PACKER W REMAINING TBG, TIH & SET CIBP @ 4100', PRESSURE TEST CSG TO 1000 PSI, SPOT ACID, TOO H W SETTING TOOL, RU WIRELINE, RUN GR/CCL/CBL FROM 4100' TO 2100', PRESSURE TEST CSG TO 3000 PSI, PERFORATE CHACRA W 25 HOLES, TIH & SET 4 1/2" PACKER ON 2 - 10' x 2.875" N-80 PUP JTS, SET PACKER @ 28', NU FRAC MANDREL, FRAC VALVE & FRAC Y, RU DOWELL & FRAC CHACRA, FLOW BACK AS PER PROCEDURE, ND FRAC VALVE & FRAC Y, RELEASE & TOO H W PACKER, TIH W 3.875" MILL, CO TO CIBP @ 4100', MILL CIBP, TIH & CO TO PBTD, TOO H & LD MILL ASSY, TIH W PRODUCTION TBG, BROACH TBG, CO TO PBTD, LAND TBG @ 7151.33' W 229 JTS TBG W X-CHECK ON BTM & SEATING NIPPLE 1 JT OFF BTM OF TBG, PUMP X-CHECK @ 500 PSI, GAUGE WELL UP TBG @ 1065 MCFD WET, RD RIG & EQUIPMENT
						TBG SUMMARY: AS FOUND, WELL 236 JTS 1.5" TBG, 225 JTS 2.375" TBG FROM BR YD, 15 JTS 2.375" RIG STOCK, TOTAL 240 JTS 2.375" TBG AS LEFT, 236 JTS 1.5" TBG TO BR YD, WELL 229 JTS 2.375" TBG, RIG STOCK 11 JTS 2.375" TBG, TOTAL 240 JTS 2.375" TBG