

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

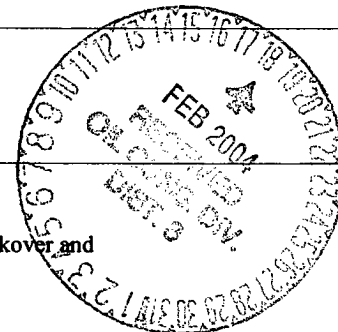
APPLICATION FOR
WELL WORKOVER PROJECT

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				HOWELL		Well Number	2A
API Number				3004526383			
UL	Section	Township	Range	Feet From The	Feet From The	County	
E	26	28 N	8 W	1450 FNL	790 FWL	SAN JUAN	

II. Workover

Date Workover Commence	4/14/2003	Previous Producing Pool(s) (Prior to Workover): BLANCO MESAVERDE
Date Workover Completed:	4/17/2003	



- 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 New Mexico)
County of San Juan) ss.
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 Leslie D. White Title Sr. Accountant Date 2/17/04
SUBSCRIBED AND SWORN TO before me this 17th day of February, 2004.
My Commission expires: September 15, 2004
Notary Public Nancy Altman

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 4/17/03.

Signature District Supervisor	<u>[Signature]</u>	OCD District	<u>3</u>	Date	<u>2/18/04</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

HOWELL

2A

3004526383

REG_DTL_D

BLANCO MESAVERDE

4/1/2002	2307
5/1/2002	2394
6/1/2002	1767
7/1/2002	2270
8/1/2002	2275
9/1/2002	2556
10/1/2002	2521
11/1/2002	2390
12/1/2002	2447
1/1/2003	2122
2/1/2003	2069
3/1/2003	2368
4/1/2003	1748
5/1/2003	3671
6/1/2003	2590
7/1/2003	2385

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Operations Summary Report

Legal Well Name: HOWELL #2A
Common Well Name: HOWELL #2A
Event Name: CAP WORKOVER
Contractor Name: AZTEC WELL SERVICE
Rig Name: AZTEC

Spud Date: 04/14/2003
End: 04/17/2003
Rig Release: 04/17/2003
Group:
Rig Number: 521

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
04/15/2003	12:00 - 13:00	1.00	MIMO	a	MIRU	ROAD RIG TO LOCATION, SPOT
	13:00 - 15:00	2.00	RURD	a	OBJECT	RIG UP RIG & EQUIPMENT, NU 2" BLOW LINE & BLOOIE LINE TO PIT
	15:00 - 16:30	1.50	BLOW	a	OBJECT	SICP 220 PSI, SITP 190 PSI, BH 0 PSI, BLOW CSG TO PIT
	16:30 - 17:00	0.50	NUND	a	OBJECT	UNSEAT TBG HANGER, PU & REMOVE TBG HANGER, NU STRIPPER HEAD, PU 2 JTS & TAG 55' I
04/16/2003	17:00 - 19:00	2.00	TRIP	a	OBJECT	TOOH & TALLY 153 JTS 2.375" TBG, SECURE LOCATION, SDFN
	06:00 - 07:00	1.00	SRIG	a	OBJECT	TRAVEL TO LOCATION, SERVICE & STAR RIG
	07:00 - 07:30	0.50	SAFE	a	OBJECT	HSM, TOPIC: PPE, USE IT TO PROTECT YOUR SELF, PINCH POINTS, RIG CREW PRESENT
	07:30 - 07:45	0.25	BLOW	a	OBJECT	SIWHP 210 PSI, BLOW WELL TO PIT
	07:45 - 08:45	1.00	TRIP	a	OBJECT	PU & TIH W 4 1/2" CIBP ON 122 JTS 2.375" TBG, SET BP @ 3953'
	08:45 - 09:45	1.00	PUMP	a	OBJECT	LOAD CSG W 125 BBLs 2 % KCL
	09:45 - 10:15	0.50	PRES	a	OBJECT	PU & TIH W 7" PACKER, PRESSURE TEST CSG TO 3000 PSI, TEST OK, RELEASE PACKER
	10:15 - 10:30	0.25	SPOT	a	OBJECT	SPOT 650 GALS 15% HCL TRIPLE INHIBITED ACID ACROSS PERF INTERVAL FROM 3700 TO 3274', DISPLACE W 11 BBLs 2% KCL
	10:30 - 11:30	1.00	TRIP	a	OBJECT	TOOH W TBG & SETTING TOOL
	11:30 - 12:00	0.50	CASE	a	OBJECT	RIH & RUN GR-CCL FROM 3953' TO LINER TOP @ 2436', CORRELATE W ATTACHED GR LOG
	12:00 - 13:15	1.25	PERF	a	OBJECT	RU BWWC, PERF CHACRA W 26 SHOTS, 1 SPF, 0.33" DIAMETER, 25.89" PENETRATION, 12 GRAM CHARGE (GOEX XII-GM) @ 2991, 3027, 3074, 3076, 3181, 3291, 3297, 3302, 3306, 3313, 3321, 3338, 3347, 3421, 3424, 3436, 3442, 3451, 3461, 3487, 3489, 3723, 3764, 3766, 3841, 3927, ALL SHOT FIRED
	13:15 - 14:00	0.75	NUND	a	OBJECT	TIH W 7" PACKER, SET @ 50', NU FRAC SAFETY MANDREL, FRAC VALVE & FRAC Y
	14:00 - 15:00	1.00	RURD	a	OBJECT	RU DOWELL FRAC EQUIPMENT
	15:00 - 15:15	0.25	SAFE	a	OBJECT	HOLD PREJOB SAFETY MEETING, 28 PEOPLE ON LOCATION
	15:15 - 15:30	0.25	PRES	a	OBJECT	PRESSURE TEST SURFACE LINES TO 4000 PSI
	15:30 - 17:00	1.50	FRAC	a	OBJECT	FRAC CHACRA W 20 # LINEAR GEL PUMP 11000 GAL 75 QUALITY FOAM PAD @ 50 BPM @ 2460 PSI TO 2500 PSI PUMP APPROX 200,000# 20/40 BRADY SAND @ 1-3 PPG SAND CONC @ 52 TO 56 BPM @ 2560 PSI TO 2051 PSI, 75 QUALITY FOAM, 20# LINEAR GEL DISPLACE W 26 FLUID BBLs & 45,100 SCF N2, ISIP 1470 MAX RATE 56 BPM, MIN RATE 50 BPM, AVG RATE 54 BPM MAX PSI 2560, MIN PSI 2051, AVG PSI 2480 1,288,300 SCF N2, 654 BBLs WATER, 200,000# 20/40 BRADY
04/17/2003	17:00 - 18:00	1.00	NUND	a	OBJECT	ND DOWELL, NU FLOW BACK LINES
	18:00 - 06:00	12.00	FLOW	a	OBJECT	1380 PSI SHUT IN PRESSURE, FLOW BACK WELL AS PER SCHEDULE 1800 HRS, 10/64 CHOKE, 1390 PSI, HM, HF, NS 2000 HRS, 14/64 CHOKE, 1200 PSI, HM, HF, LS 2200 HRS, 18/64 CHOKE, 1220 PSI, HM, HF, MS 0000 HRS, 32/64 CHOKE, 1100 PSI, HM, LF, MS 0300 HRS, 48/64 CHOKE, 670 PSI, HM, MF, MS 0500 HRS, 48/64 CHOKE, 260 PSI, HM, MF, LS TRAVEL TO LOCATION, SERVICE & STAR RIG

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Operations Summary Report

Legal Well Name: HOWELL #2A
 Common Well Name: HOWELL #2A
 Event Name: CAP WORKOVER
 Contractor Name: AZTEC WELL SERVICE
 Rig Name: AZTEC

Spud Date: 04/17/2003
 Start: 04/14/2003 End: 04/17/2003
 Rig Release: 04/17/2003 Group:
 Rig Number: 521

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
04/17/2003	07:00 - 07:15	0.25	SAFE	a	OBJECT	HSM, SLIPS, TRIPS & FALLS, ALWAYS WATCH YOUR STEP , RIG CREW PRESENT
	07:15 - 10:00	2.75	FLOW	a	OBJECT	CONTINUE TO FLOW WELL BACK TO PIT ON 2" LINE, 110 PSI, HM, HF, LS DOWN TO 80 PSI, HM, HF, LS
	10:00 - 10:30	0.50	KILL	a	OBJECT	KILL WELL W 45 BBLs 2% KCL
	10:30 - 12:00	1.50	NUND	a	OBJECT	ND FRAC Y, FRAC VALVE & WELL HEAD SAFETY MANDREL, TOO H & LD 7" PACKER, NU BLOOIE LINE TO PIT
	12:00 - 13:00	1.00	TRIP	a	OBJECT	PU & TIH W 3.875" MILL ON 2.375" TBG, TAG FILL @ 3850', (103' FILL ON CIBP)
	13:00 - 14:45	1.75	COUT	a	OBJECT	PU POWER SWIVEL & CO W 1400 CFM AIR & 3-5 BPH MIST, CO TO CIBP @ 3953'
	14:45 - 15:30	0.75	MILL	a	OBJECT	MILL 4 1/2" CIBP @ 3743' W 1400 CFM AIR & 12-15 BPH MIST, MILL PLUG IN 30 MINS, PUMP 3 BBL SWEEP
	15:30 - 15:45	0.25	TRIP	a	OBJECT	ND POWER SWIVEL, TIH W MILL ASSY TO PBTD
	15:45 - 16:30	0.75	COUT	a	OBJECT	CO @ PBTD W 1400 CFM AIR & 12 BPH MIST, PUMP SWEEP
	16:30 - 19:00	2.50	TRIP	a	OBJECT	TOOH W MILL ASSY, TIH W PROD TBG TO PBTD
	19:00 - 06:00	11.00	BLOW	a	OBJECT	ALTERNATE BLOW W AIR & FLOW WELL NATURAL TO PIT, 2-3 BPH WTR & NO SAND DOWN TO 1-2 BPH & NO SAND
04/18/2003	06:00 - 07:00	1.00	SRIG	a	OBJECT	TRAVEL TO LOCATION, SERVICE & STAR RIG
	07:00 - 07:15	0.25	SAFE	a	OBJECT	HSM, TOPIC: WORK AREA HAZARDS, STAY AWAY FROM MOVING EQUIPMENT, RIG CREW PRESENT
	07:15 - 08:00	0.75	BRCH	a	OBJECT	RIH W BROACH TO SEATING NIPPLE
	08:00 - 11:00	3.00	COUT	a	OBJECT	TIH W 2 JTS & CO W 1400 CFM TO PBTD BLOW WELL W 1400 CFM AIR & 5 BPH MIST, PUMP THREE 3 BBLs SWEEPS, NO SAND IN LAST SWEEP
	11:00 - 12:00	1.00	NUND	a	OBJECT	LD2 JTS & LAND 153 TBG @ 4960.68', ND BOP, NU WH
	12:00 - 12:45	0.75	PUMP	a	OBJECT	DROP BALL & PUMP EXPENDABLE CHECK @ 420 PSI, REVERSE FLOW UP TBG
	12:45 - 14:30	1.75	TEST	a	OBJECT	GAUGE WELL UP TBG @ 1236 MCFD
	14:30 - 15:00	0.50	RURD	a	OBJECT	RD RIG & EQUIPMENT
						SUMMARY: MIRU, NDWH, NU BOP, TOO H W 153 JTS 2.375" TBG, TIH W 121 JTS TBG & SET CIBP @ 3953', LOAD CSG W 2% KCL, PU 7" PACKER & PRES TEST CSG TO 3000 PSI, SPOT 650 GALS 15% HCL ACROSS PERF INTERVAL, TOO H W TBG, RU WIRELINE UNIT, RIH & RUN GR/CCL LOG FROM 3953' TO LINER TOP @ 2436', CORRELATE TO LOG, PERFORATE CHACRA W 26 HOLES, TIH W 7" PACKER TO 50', RU DOWELL TO FRAC CHACRA, FRAC CHACRA, FLOW BACK AS PER SCHEDULE, ND FRAC VALVE & FRAC Y, RELEASE & TOO H W PACKER, TIH W 3.875" MILL, MILL CIBP @ 3953', TIH & CO TO PBTD, TOO H & LD MILL ASSY, TIH W PRODUCTION TBG, BROACH TBG, CO TO PBTD, LAND TBG @ 4960.68' W 153 JTS TBG, PUMP X-CHECK @ 420 PSI, GAUGE WELL UP TBG @ 1236 MCFD, RD RIG & EQUIPMENT
						TBG SUMMARY:
						AS FOUND, RIG STOCK 14 JTS, WELL 153 JTS, TOTAL 167 JTS AS LEFT, RIG STOCK 14 JTS, WELL 153 5TS, TOTAL 167 JTS