

New Mexico
Energy Minerals and Natural Resources Department

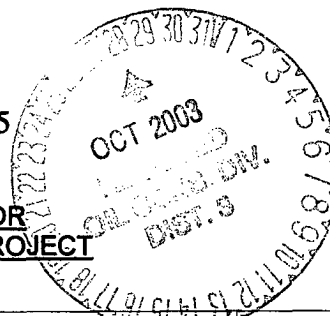
Form C-140
Revised 06/99

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 HARDIE D			Well Number 2A		API Number 3004523925	
UL	Section	Township	Range	Feet From The	Feet From The	County
F	14	28 N	8 W	1790 FNL	1850 FWL	SAN JUAN

II. Workover

Date Workover Commence 3/14/2003	Previous Producing Pool(s) (Prior to Workover): BLANCO MESAVERDE
Date Workover Completed: 3/25/2003	

- 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.	
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 <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 Winsatt</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 3/25/03.

Signature District Supervisor <u>SS. S</u>	OCD District <u>3</u>	Date <u>12/6/05</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

HARDIE D

2A

3004523925

REG_DTL_D	BLANCO MESAVERDE	OTERO CHACRA (GAS)
3/1/2002	4252	
4/1/2002	4233	
5/1/2002	4198	
6/1/2002	3304	
7/1/2002	4220	
8/1/2002	4044	
9/1/2002	4222	
10/1/2002	4222	
11/1/2002	3743	
12/1/2002	3916	
1/1/2003	4413	
2/1/2003	3644	
3/1/2003	1684	1684
4/1/2003	5068	5067
5/1/2003	4682	4681
6/1/2003	3760	3761

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Operations Summary Report

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

Start: 03/14/2003 Spud Date: 03/25/2003
 Rig Release: 03/25/2003 Group:
 Rig Number: 521

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
03/15/2003	15:00 - 15:30	0.50	MIMO	a	MIRU	ROAD RIG TO LOCATION, SPOT
	15:30 - 17:00	1.50	RURD	a	OBJECT	RIG UP RIG & EQUIPMENT
03/16/2003	06:00 - 07:00	1.00	SRIG	a	MIRU	TRAVEL TO LOCATION, SERVICE & STAR RIG
	07:00 - 07:15	0.25	SAFE	a	MIRU	HSM, TOPIC: NU BOP EQUIPMENT, RIG CREW PRESENT
	07:15 - 07:30	0.25	NUND	a	OBJECT	SICP 210 PSI, SITP 180 PSI, BH 40 PSI, NU BLOW LINE TO PIT
	07:30 - 08:30	1.00	BLOW	a	OBJECT	BLOW WELL TO PIT
	08:30 - 09:00	0.50	KILL	a	OBJECT	KILL WELL W 20 BBLS 2% KCL
	09:00 - 09:30	0.50	NUND	a	OBJECT	UNSEAT TBG HANGER, PU & REMOVE TBG HANGER, NU STRIPPER HEAD, NU BLOOE LINE TO PIT
	09:30 - 11:00	1.50	NUND	a	OBJECT	PU 1 JTS, TAG 30' IN, TOO H & TALLY 172 JTS 2.375" TBG, SEATING NIPPLE 1 JT OFF BTM, X-CHECK ON BTM
	11:00 - 13:15	2.25	CASE	a	OBJECT	RU BWWC, RUN GR-CCL FROM 4500' TO 2800', POOH W GR-CCL, RIH W 4 1/2" CIBP, CORRELATE & SET BP @ 4225', POOH W SETTING TOOL
	13:15 - 14:15	1.00	PUMP	a	OBJECT	LOAD CSG W 142 BBLS 2% KCL
	14:15 - 14:30	0.25	NUND	a	OBJECT	NU WELL HEAD ISOLATION TOOL
	14:30 - 14:45	0.25	PRES	a	OBJECT	PRESSURE TEST CIBP & CSG TO 3000 PSI, TEST OK
	14:45 - 15:30	0.75	PERF	a	OBJECT	RU BWWC, PERF CHACRA W 25 SHOTS, 1 SPF, 0.32" DIAMETER, 14.3" PENETRATION, 10 GRAM CHARGE @ 3376, 3410, 3473, 3491, 3520, 3535, 3618, 3625, 3695, 3708, 3713, 3723, 3727, 3754, 3760, 3763, 3832, 3841, 3865, 3883, 3890, 3927, 3956, 4013, 4030, ALL SHOTS FIRED, SECURE LOCATION, SDFWE
03/22/2003	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: WORKING AS A TEAM, RIG CREW PRESENT, SICP 0 PSI
	07:15 - 08:00	0.75	NUND	a	OBJECT	ND WELL HEAD ISOLATION TOOL, NU STRIPPER HEAD
	08:00 - 10:00	2.00	TRIP	a	OBJECT	TIH W 131 JTS TBG TO 4010'
	10:00 - 14:30	4.50	WAIT	a	OBJECT	WAIT ON FRAC CREW, ACID & SAND
	14:30 - 14:45	0.25	SAFE	a	OBJECT	HELD PREJOB SAFETY MEETING TO SPOT ACID
	14:45 - 15:00	0.25	PRES	a	OBJECT	PRESSURE TEST SURFACE LINES TO 2000 PSI
	15:00 - 15:15	0.25	SPOT	a	OBJECT	SPOT 500 GALS 15% HCL FROM 4010' TO 3250'
	15:15 - 16:30	1.25	TRIP	a	OBJECT	TOOH W 131 JTS TBG
	16:30 - 17:00	0.50	NUND	a	OBJECT	ND STRIPPER HEAD, NU ISOLATION TOOL, SECURE LOCATION, SAND CHIEF IS BEING LOADED TONIGHT, SDFN
03/23/2003	06:00 - 07:00	1.00	SRIG	a	OBJECT	TRAVEL TO LOCATION, SERVICE & STAR RIG
	07:00 - 08:00	1.00	SAFE	a	OBJECT	HSM, TOPIC: WORKING WITH FRAC CREW DURING RIG UP, RIG CREW PRESENT, SIWHP 0 PSI
	08:00 - 13:00	5.00	RRSR	a	OBJECT	SERVICE RIG ENGINE & GEAR BOXES
	13:00 - 15:30	2.50	RURD	a	OBJECT	RU DOWELL FRAC CREW
	15:30 - 15:45	0.25	SAFE	a	OBJECT	HELD PREJOB SAFETY MEETING, 30 PEOPLE ON LOCATION
	15:45 - 16:00	0.25	PRES	a	OBJECT	PRESSURE TEST SURFACE LINES TO 4000 PSI
	16:00 - 17:15	1.25	FRAC	a	OBJECT	PUMP 10,000 GAL 75 QUALITY FOAM PAD @ 50 BPM @ 2300 TO 2339 PSI, 20# LINEAR GEL PUMP APPROX 200,000# 20/40 ARIZONA SAND @ 1 TO 3 PPG SAND CONCENTRATION @ 52 TO 56 BPM @ 2339 TO 1863 PSI 75 QUALITY FOAM, 20# LINEAR GEL DISPLACE W 35 FLUID BBLS & 58,000 SCF N2 TO APPROX 100' ABOVE TOP PERF, 1405 ISIP
	17:15 - 18:00	0.75	RURD	a	OBJECT	RD DOWELL FRAC EQUIPMENT, RU BLOW LINE TO PIT
	18:00 - 06:00	12.00	FLOW	a	OBJECT	1150 PSI SHUT IN PRESSURE, FLOW BACK WELL AS PER SCHEDULE
						1800 HRS, 10/64 CHOKE, 1150 PSI, HM, LF, NS

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Operations Summary Report

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

Spud Date: 03/25/2003
 Start: 03/14/2003 End: 03/25/2003
 Rig Release: 03/25/2003 Group:
 Rig Number: 521

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
03/23/2003	18:00 - 06:00	12.00	FLOW	a	OBJECT	2000 HRS, 14/64 CHOKE, 1060 PSI, HM, HF, MS 2200 HRS, 18/64 CHOKE, 900 PSI, HM, MF, MS 0100 HRS, 32/64 CHOKE, 950 PSI, HM, HF, MS 0400 HRS, 48/64 CHOKE, 310 PSI, HM, MF, LS 0500 HRS, 48/64 CHOKE, 200 PSI, HM, MF, LS
03/24/2003	06:00 - 06:00	24.00	FLOW	a	OBJECT	FLOW BACK WELL AS PER SCHEDULE 0700 HRS, 2" LINE, 200 PSI, HM, MF, NS 1000 HRS, 2" LINE, 75 PSI, SURGING H TO M MIST, NS 1300 HRS, 2" LINE, 60 PSI, SURGING M TO L MIST, NS 1600 HRS, 2" LINE, 50 PSI, SURGING LM, NS 2100 HRS, 2" LINE, 40-45 PSI, SURGING LM, NS 0100 HRS, 2" LINE, 35-40 PSI, SURGING LM, NS 0500 HRS, 2" LINE, 30-35 PSI, SURGING LM, NS
03/25/2003	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: WORKING WITH NEW CREW MEMBER DURING MILLING OPERATIONS, RIG CREW PRESENT
	07:15 - 07:45	0.50	KILL	a	OBJECT	PUMP 20 BBLs 2% KCL TO KILL WELL
	07:45 - 09:00	1.25	NUND	a	OBJECT	ND FRAC Y, FRAC VALVE & WELL HEAD ISOLATION TOOL, NU BLOOIE LINE TO PIT
	09:00 - 10:15	1.25	TRIP	a	OBJECT	PU & TIH W 3.875" MILL ON 2.375" TBG, TAG FILL @ 4190', (30' FILL ON CIBP)
	10:15 - 11:15	1.00	COUT	a	OBJECT	PU POWER SWIVEL & CO W 1400 CFM AIR & 3-5 BPH MIST, CO TO CIBP @ 4225'
	11:15 - 12:00	0.75	MILL	a	OBJECT	MILL 4 1/2" CIBP @ 4225' W 1400 CFM AIR & 12-15 BPH MIST, MILL PLUG IN 25 MINS
	12:00 - 12:30	0.50	TRIP	a	OBJECT	ND POWER SWIVEL, TIH W MILL ASSY TO PBTD
	12:30 - 13:30	1.00	COUT	a	OBJECT	CO @ PBTD W 1400 CFM AIR & 12 BPH MIST, PUMP 2 SWEEPS
	13:30 - 17:00	3.50	TRIP	a	OBJECT	PULL UP HOLE W MILL ASSY, PU & TIH W SAW TOOTH COLLAR, EXPENDABLE CHECK, 1 JT 2.375" TBG, SEATING NIPPLE & 172 JTS TBG, TAG PBTD @ 5385'
03/26/2003	17:00 - 06:00	13.00	FLOW	a	OBJECT	FLOW WELL NATURAL TO PIT, 2-5 BPH WTR DOWN TO 1-2 BPH, NO SD
	06:00 - 07:00	1.00	SAFE	a	OBJECT	AZTEC WELL SERVICE MONTHLY SAFETY MEETING
	07:00 - 08:00	1.00	SRIG	a	OBJECT	TRAVEL TO LOCATION, SERVICE & STAR RIG
	08:00 - 08:15	0.25	SAFE	a	OBJECT	HSM, TOPIC: PPE REQUIRED ON LOCATION, RIG CREW PRESENT
	08:15 - 09:00	0.75	COUT	a	OBJECT	TIH & CO @ PBTD W 1400 CFM AIR & 5 BPH MIST
	09:00 - 09:30	0.50	NUND	a	OBJECT	LD 1 JT & LAND 172 TBG @ 5364.34', ND BOP, NU WH
	09:30 - 10:00	0.50	PUMP	a	OBJECT	DROP BALL & PUMP EXPENDABLE CHECK @ 450 PSI, REVERSE FLOW UP TBG
	10:00 - 11:30	1.50	TEST	a	OBJECT	GAUGE WELL UP TBG @ 850 MCFD WET
	11:30 - 12:00	0.50	RURD	a	OBJECT	RD RIG & EQUIPMENT, PREP TO MOVE RIDDLE A-2A
						SUMMARY: MIRU, NDWH, NU BOP, TOOH W 172 JTS 2.375" TBG, RIH & RUN GR/CCL LOG FROM 4500' TO 2500', LOAD CSG W 2% KCL, NU WELL HEAD ISOLATION TOOL, PRESSURE TEST CSG & RBP TO 3000 PSI, RU WIRELINE, CORRELATE TO LOG, PERFORATE CHACRA W 25 HOLES, TIH & SPOT 500 GALS 15 % HCL ACROSS PERF ZONE, TOOH W TBG, RU DOWELL TO FRAC CHACRA, FRAC CHACRA, FLOW BACK AS PER SCHEDULE, RD WELL HEAD ISOLATION TOOL, TIH W 3.875" MILL, MILL CIBP @ 4225', TIH & CO TO PBTD, TOOH & LD MILL ASSY, TIH W PRODUCTION TBG, CO TO PBTD, LAND TBG @ 5364.34' W 172 JTS TBG, PUMP X-CHECK @ 450 PSI, GAUGE WELL UP TBG @ 850

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Operations Summary Report

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

Start: 03/14/2003
Rig Release: 03/25/2003
Rig Number: 521

Spud Date: 03/25/2003
End: 03/25/2003
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
03/26/2003	11:30 - 12:00	0.50	RURD	a	OBJECT	MCFD WET, RD RIG & EQUIPMENT, MOVE TO RIDDLE A-2A TBG SUMMARY: LANDED TBG W SAME NUMBER JTS, 1 DAMAGED JT SENT TO BR YD, 6 JTS ON RIG