

New Mexico
Energy Minerals and Natural Resources Department

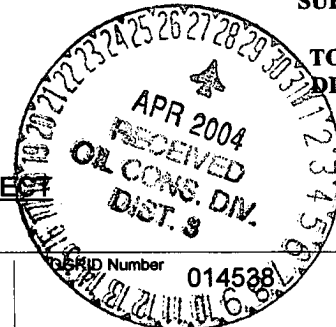
Form C-140
Revised 06/99

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

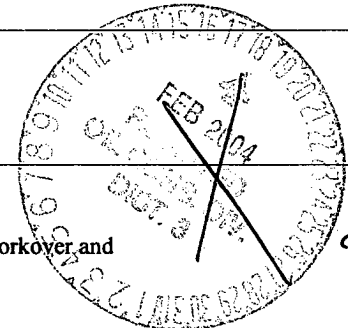


I. Operator and Well

Operator name address Burlington Resources Oil and Gas Co. LP Box 4289, Farmington, NM 87499						Well ID Number 0145381
Contact Party Leslie D. White						Phone 505/326-9700
Property Name HARDIE E				Well Number 1A		API Number 3004523720
UL I	Section 16	Township 28 N	Range 8 W	Feet From The 1800 FSL	Feet From The 1110 FEL	County SAN JUAN

II. Workover

Date Workover Commence 4/8/2003	Previous Producing Pool(s) (Prior to Workover): BLANCO MESAVERDE
Date Workover Completed: 4/14/2003	



- 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> SUBSCRIBED AND SWORN TO before me this <u>17th</u> day of <u>February</u> <u>2004</u> .	Title <u>Sr. Accountant</u> Date <u>2/17/04</u> Notary Public <u>Nancy Olthmann</u>
My Commission expires: <u>September 15, 2004</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 4/14, 03.

Signature District Supervisor <u>37.8</u>	SUPERVISOR DISTRICT #3	Date
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

APR 28 2004
Seh 18 se

HARDIE E 1A**3004523720****72319****82329**

API	LEASE_CD	REG_DTL_DT	GAS_PROD	GAS_PROD
		01-Apr-02	3473	
		01-May-02	3567	
		01-Jun-02	2734	
		01-Jul-02	3452	
		01-Aug-02	3246	
		01-Sep-02	3277	
		01-Oct-02	3252	
		01-Nov-02	3127	
		01-Dec-02	3168	
		01-Jan-03	3204	
		01-Feb-03	2832	
		01-Mar-03	3305	
		01-Apr-03	1663	1663
		01-May-03	3085	3086
		01-Jun-03	2585	2585
		01-Jul-03	2701	2701

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Operations Summary Report

Legal Well Name: HARDIE E #1A
 Common Well Name: HARDIE E #1A
 Event Name: CAP WORKOVER
 Contractor Name: AZTEC WELL SERVICE
 Rig Name: AZTEC

Start: 04/08/2003 End: 04/14/2003
 Rig Release: 04/14/2003 Group:
 Rig Number: 521

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
04/09/2003	14:00 - 15:00	1.00	MIMO	a	MIRU	ROAD RIG TO LOCATION, SPOT
	15:00 - 16:15	1.25	RURD	a	OBJECT	RIG UP RIG & EQUIPMENT, SDFN
	16:15 - 16:45	0.50	BLOW	a	OBJECT	SICP 200 PSI, SITP 200 PSI, BH 0 PSI, BLOW CSG TO PIT
	16:45 - 17:00	0.25	KILL	a	OBJECT	KILL TBG W 10 BBLs 2% KCL
	17:00 - 18:00	1.00	NUND	a	OBJECT	UNSEAT TBG HANGER, PU & REMOVE TBG HANGER, NU STRIPPER HEAD, PU 2 JTS & TAG 47' IN, SECURE LOCATION, SDFN
04/10/2003	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 - 09:00	1.50	TRIP	a	OBJECT	TOOH & TALLY 155 JTS 2.375" TBG, SEATING NIPPLE, 1 JT OFF BTM
	09:00 - 10:30	1.50	TRIP	a	OBJECT	PU & TIH W 4 1/2" CIBP ON 120 JTS 2.375" TBG, SET BP @ 3743'
	10:30 - 11:45	1.25	PUMP	a	OBJECT	LOAD CSG W 125 BBLs 2% KCL
	11:45 - 12:30	0.75	TRIP	a	OBJECT	PU & TIH W 7" PACKER, PRESSURE TEST CSG TO 3000 PSI, TEST OK, RELEASE PACKER
	12:30 - 13:00	0.50	PRES	a	OBJECT	PRESSURE TEST CIBP & CSG TO 1000 PSI, TEST OK
	13:00 - 13:45	0.75	SPOT	a	OBJECT	SPOT 500 GALS 15% HCL TRIPLE INHIBITED ACID ACROSS PERF INTERVAL FROM 3700 TO 3274', DISPLACE W 11 BBLs 2% KCL
	13:45 - 15:00	1.25	TRIP	a	OBJECT	TOOH W TBG & SETTING TOOL
	15:00 - 16:00	1.00	CASE	a	OBJECT	RIH & RUN GR-CCL-CBL FROM 3743' TO LINER TOP @ 2520', TOP OF CEMENT @ 3180'
04/11/2003	16:00 - 17:15	1.25	PERF	a	OBJECT	RU BWWC, PERF CHACRA W 26 SHOTS, 1 SPF, 0.32" DIAMETER, 14.3" PENETRATION, 10 GRAM CHARGE @ 3274, 3277, 3280, 3285, 3290, 3292, 3315, 3321, 3330, 3390, 3398, 3402, 3407, 3427, 3430, 3452, 3455, 3496, 3526, 3536, 3597, 3600, 3603, 3653, 3656, 3700, ALL SHOT FIRED
	17:15 - 18:00	0.75	NUND	a	OBJECT	TIH W 7" PACKER, SET @ 50', NU SAFETY MANDREL, FRAC VALVE & FRAC Y, SDFN
	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, WORKING AROUND HIGH PRESSURE LINES, RIG CREW PRESENT
	07:15 - 08:30	1.25	RURD	a	OBJECT	RU DOWELL FRAC EQUIPMENT
	08:30 - 08:45	0.25	SAFE	a	OBJECT	HOLD PREJOB SAFETY MEETING, 26 PEOPLE ON LOCATION
	08:45 - 09:00	0.25	PRES	a	OBJECT	PRESSURE TEST SURFACE LINES TO 4000 PSI
	09:00 - 10:00	1.00	FRAC	a	OBJECT	20# LINEAR 70 QUALITY N2 FOAM BREAKDOWN CHACRA @ 685 PSI @ 3 BPM FRAC LOAD 611 BBLs, FLUSH 37 BBLs, TOTAL LOAD 648 BBLs MAX RATE 56 BPM, MIN RATE 50 BPM, AVE RATE 53 BPM MAX PSI 2050, MIN PSI 2020, AVE PSI 2065 200,000# 20/40 BRADY SAND 1,144,300 SCF N2 FLUSH TO 200' ABOVE TOP PERF ISIP 1413
	10:00 - 11:00	1.00	RURD	a	OBJECT	RD DOWELL FRAC EQUIPMENT, RU FLOW BACK LINE
	11:00 - 06:00	19.00	FLOW	a	OBJECT	1160 PSI SHUT IN PRESSURE, FLOW BACK WELL AS PER SCHEDULE 1130 HRS, 10/64 CHOKE, 1120 PSI, HM, HF, LS 1330 HRS, 14/64 CHOKE, 1300 PSI, HM, HF, LS 1530 HRS, 18/64 CHOKE, 1270 PSI, HM, HF, MS 1630 HRS, 32/64 CHOKE, 1210 PSI, HM, HF, MS 1930 HRS, 48/64 CHOKE, 460 PSI, HM, MF, LS

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Operations Summary Report

Legal Well Name: HARDIE E #1A
 Common Well Name: HARDIE E #1A
 Event Name: CAP WORKOVER
 Contractor Name: AZTEC WELL SERVICE
 Rig Name: AZTEC

Spud Date: 04/14/2003
 Start: 04/08/2003 End: 04/14/2003
 Rig Release: 04/14/2003 Group:
 Rig Number: 521

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
04/11/2003	11:00 - 06:00	19.00	FLOW	a	OBJECT	2330 HRS, 48/64 CHOKE, 160 PSI, HM, MF, LS 0230 HRS, 2" LINE, 80 PSI, HM, SURGING FLUID, LS 0500 HRS, 2" LINE, 10-15 PSI, SURGING FLUID, LS
04/12/2003	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, USING SAFETY OBSERVATIONS, RIG CREW PRESENT
	07:15 - 08:00	0.75	KILL	a	OBJECT	KILL WELL W 20 BBLs 2% KCL
	08:00 - 09:30	1.50	NUND	a	OBJECT	ND FRAC Y, FRAC VALVE & WELL HEAD SAFETY MANDREL, TOO H & LD 7" PACKER, NU BLOOIE LINE TO PIT
	09:30 - 11:30	2.00	TRIP	a	OBJECT	PU & TIH W 3.875" MILL ON 2.375" TBG, TAG FILL @ 3650', (93' FILL ON CIBP)
	11:30 - 12:45	1.25	COUT	a	OBJECT	PU POWER SWIVEL & CO W 1400 CFM AIR & 3-5 BPH MIST, CO TO CIBP @ 3743'
	12:45 - 13:30	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
	13:30 - 14:00	0.50	TRIP	a	OBJECT	ND POWER SWIVEL, TIH W MILL ASSY TO PBTD
	14:00 - 14:45	0.75	COUT	a	OBJECT	CO @ PBTD W 1400 CFM AIR & 12 BPH MIST, PUMP SWEEP
	14:45 - 17:00	2.25	TRIP	a	OBJECT	TOOH W MILL ASSY, TIH W PROD TBG TO PBTD
	17:00 - 06:00	13.00	BLOW	a	OBJECT	ALTERNATE BLOW W AIR & FLOW WELL NATURAL TO PIT, 5-6 BPH WTR & LITE SAND DOWN TO 2-3 BPH & LITE SAND
04/13/2003	06:00 - 12:00	6.00	BLOW	a	OBJECT	FLOW WELL NATURAL TO PIT, 2-3 BPH WTR & LITE SAND DOWN TO 1-2 BPH & NO SAND, SDFWE
04/15/2003	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 OFF FLOOR DURING SAND LINE OPERATIONS, RIG CREW PRESENT, SIWHP 260 PSI
	07:15 - 08:00	0.75	BRCH	a	OBJECT	RIH W BROACH TO SEATING NIPPLE
	08:00 - 08:30	0.50	COUT	a	OBJECT	TIH W 2 JTS & CO W 1400 CFM TO PBTD
	08:30 - 09:15	0.75	NUND	a	OBJECT	LD2 JTS & LAND 155 TBG @ 4878.80', ND BOP, NU WH
	09:15 - 09:45	0.50	PUMP	a	OBJECT	DROP BALL & PUMP EXPENDABLE CHECK @ 440 PSI, REVERSE FLOW UP TBG
	09:45 - 11:00	1.25	TEST	a	OBJECT	GAUGE WELL UP TBG @ 634 MCFD
	11:00 - 12:00	1.00	RURD	a	OBJECT	RD RIG & EQUIPMENT, MOVE HOWELL 2A
						SUMMARY: MIRU, NDWH, NU BOP, TOO H W 155 JTS 2.375" TBG, TIH W 120 JTS TBG & SET CIBP @ 3743', LOAD CSG W 2% KCL, PU 7" PACKER & PRES TEST CSG TO 3000 PSI, SPOT 500 GALS 15% HCL ACROSS PERF INTERVAL, TOO H W TBG, RIH & RUN GR/CCL/CBL LOG FROM 3743' TO LINER TOP @ 2520', CEMENT TOP @ 3180', RU WIRELINE, 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 @ 3743', TIH & CO TO PBTD, TOO H & LD MILL ASSY, TIH W PRODUCTION TBG, BROACH TBG, CO TO PBTD, LAND TBG @ 4878.80' W 155 JTS TBG', PUMP X-CHECK @ 440 PSI, GAUGE WELL UP TBG @ 634 MCFD, RD RIG & EQUIPMENT, MOVE TO HOWELL 2A
						TBG SUMMARY: AS FOUND, RIG STOCK 14 JTS, WELL 155 JTS, TOTAL 169 JTS AS LEFT, RIG STOCK 14 JTS, WELL 155 JTS, TOTAL 169 JTS