

New Mexico
Energy Minerals and Natural Resources Department

Form C-140
Revised 06/99

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**

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

**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 Maralene Spawn					Phone 505/326-9700	
Property Name HARVEY A			Well Number 3		API Number 3003908116	
UL 0	Section 32	Township 27N	Range 7W	Feet From The 890 E SL	Feet From The 1650 F EL	County RIO ARriba

II. Workover

Date Workover Commenced 10/5/04	Previous Producing Pool(s) (Prior to Workover): BLANCO MESAVERDE
Date Workover Completed: 10/22/04	

- 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>Maralene Spawn</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>Maralene Spawn</u>	Title <u>Sr. Accountant</u> Date <u>4/13/05</u>
SUBSCRIBED AND SWORN TO before me this <u>15th</u> day of <u>April</u> , <u>2005</u> .	
My Commission expires: <u>March 31, 2006</u>	Notary Public <u>Joan E. Clark</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 10-22-2004.

Signature District Supervisor <u>Charles Hen</u>	OCD District <u>AZTEC III</u>	Date <u>4-20-2005</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

HARVEY A

3

3003908116

REG_DTL_D	BLANCO MESAVERDE	OTERO CHACRA (GAS)
10/01/2003	1378	
11/01/2003	1096	
12/01/2003	1376	
01/01/2004	1634	
02/01/2004	1108	
03/01/2004	1407	
04/01/2004	1364	
05/01/2004	1517	
06/01/2004	1146	
07/01/2004	1183	
08/01/2004	1179	
09/01/2004	1223	
10/01/2004	99	
11/01/2004	1710	1680
12/01/2004	826	796
01/01/2005	2005	1678

Submit 3 Copies To Appropriate District Office
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District III
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District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised March 25, 1999

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-039-08116
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. E-2825-10
7. Lease Name or Unit Agreement Name: Harvey A
8. Well No. 3
9. Pool name or Wildcat Otero Cha/Blanco MV

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-10) FOR SUCH PROPOSALS.)

1. Type of Well:
Oil Well ☐ Gas Well ☒ Other

2. Name of Operator
Burlington Resources Oil & Gas Company LP

3. Address of Operator
PO Box 4289, Farmington, NM 87499

4. Well Location
Unit Letter O : 890 feet from the South line and 1650 feet from the East line
Section 32 Township 27N Range 7W NMPM County Rio Arriba

10. Elevation (Show whether DR, RKB, RT, GR, etc.)
6625 GL

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input checked="" type="checkbox"/>
PLUG AND ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
CHANGE PLANS <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
MULTIPLE COMPLETION <input type="checkbox"/>	OTHER: Remedial work & Recompletion <input checked="" type="checkbox"/>
OTHER: <input type="checkbox"/>	

Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion..

10/5/04 MIRU Aztec #449. ND WH & NU BOP, COOH w/tbg. 10/6/04 RU WL. RIH & set CIBP @ 5110'. RIH w/GR/CCL/CBL from 5110' to 3200'. Well wouldn't load. RIH w/pkr to locate hole. TOH w/pkr.

10/7/04 Bond log indicated not enough cement behind pipe. Received verbal approval from Frank Chavez to squeeze cement to cover zones of interest. RU WL. & RIH & set CIBP @ 5080'. Attempt to test casing. TIH w/RBP & found leak between 354' - 386'. Called & rec'd verbal approval from Frank Chavez to squeeze leak & will circulate cement around back side w/100 sx Type III cement. TOOH w/pkr. RU WL & shoot squeeze hole @ 4748'. RD WL. RIH w/5-1/2" cement retainer & set @ 4728'. Established injection rate. Pumped 150 sx (208 cf - 37 bbl slurry) Type III neat cement. Displaced w/18 bbls H2O. Stung out of retainer & left 1200 psi under retainer. Reversed 2 bbls cement up tubing. TOOH w/stinger. RU WL & shot squeeze hole @ 4010'. COOH w/WL. RIH w/5-1/2" cement retainer & set @ 3975'. Pumped 150 sx (208 cf - 37 bbl slurry) Type III neat cement. Displaced w/17 bbls H2O & left 1200# pressure under retainer. Stung out of retainer & circ. 2 bbls cement. SDFN.

10/8/04 TOOH w/stinger. RU WL & Shot squeeze hole @ 3500'. RD WH. RIH w/5-1/2" Cement retainer & set @ 3477'. Pumped 150 sx (208 cf - 37 bbl slurry) Type 3 Neat Cement & displaced w/13.5 bbls H2O. Stung out of retainer & reversed 1 bbls cement. TOOH w/stinger. TIH & set FBP @ 260'. Preflushed w/3 bbls H2O, had injection through BH. Pumped 104 sx (143 cf - 25.5 bbl slurry) Type III neat cement, the last 15 bbls had 2% CaCl added. Circ. 12 bbls cement to pit. SI BH, squeeze cement away. Pumped 1/2 bbls H2O & pressured up to 500 psi. SI tbg. RD BJ. WOC Bled off tbg. Unset & TOOH w/pkr. Shut & locked blinds & pressured up casing to 500 psi. SD.

12.
I hereby certify that the information above is true and complete to the best of my knowledge and belief

SIGNATURE Patsy Clugston TITLE Sr Specialist, Regulatory DATE 11-12-04

Type or print name Patsy Clugston Telephone No. _____

(This space for State use)

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #1 DATE NOV 16 2004

10/11/04 RIH w/4-3/4" mill & tagged TOC @ 354'. MO cement from 354' - 390'. Circ. hole. TIH & tagged top of retainer @ 3477'. M/O retainer & cement to 3477' to 351'. Blew clean.

10/12/04 Tagged top of retainer @ 3975'. M/O retainer & cement to 4025' (squeeze hole @ 4010'. TIH & tagged retainer @ 4728'. MO retainer & cement to 4763'.

10/13/04. TIH to top of CIBP @ 5080'. Circ. hole. TOOH w/mill. Ran GR/CCL/CBL from 5080' to 3200'. SDFN.

10/14/04 Perforated Menefee @ .34" holes 1 spf @ 4748', 57', 73', 82', 90', 98', 4805', 13', 28', 34', 39', 44', 62', 66', 49-6', 28', 40', 50', 80', 5006', 14', 26', 34', 41', 52' = 25 holes. RU to frac. Pumped 10 bbls 15% HCl & then 12,500 gal 60 Quality Slickwater foam w/73,000# 20/40 AZ sand. Displaced w/104 bbls fluid.

RD flowlines. Flowed back.

10/15/04 Kill well w/50 bbls 2% KCL. ND frac valve & unset & TOOH w/pkr. RU WL, RIH & set 5-1/2" CIPF @ 4120'. RIH & perforated the Chacra w/.34" hole @ = 3717', 25', 33', 40', 48', 56', 66', 76', 96', 3806', 13', 21', 33', 64', 71', 81', 3904', 16', 26', 36', 42', 60', 66', 85' = 25 holes. Acidized perfs w/10 bbls 15% HCl. Frac'd w/10,000 gal 75% Quality foam w/69,000# 20/40 AZ sand & 33,400 scf N2. Flowed back for 2 days.

10/18/04 RD frac valve & unset pkr. POOH w/frac string & pkr. TIH w/4-3/4" mill & C/O fill to CIPF @ 4120'. M/O CIPF @ 4120'. C/O fill.

10/19/04 C/O to CIBP @ 5080'. M/O CIBP @ 5080' & 5110'. Flowed back.

10/20/04 RU & ran separator test. RD separator. TIH w/mill to 5300'. C/O fill.

10/21/04 TOOH w/mill. RIH w/RBP & set @ 4185' (bottom Chacra perf @ 3985'). Ran separator test. RD test unit. C/O to Top of RBP & unseat. COOH w/RBP.

10/22/04 RIH w/2-3/8", 4.73 J-55 tbg & landed @ 5200' (167 jts). ND BOP, NU WH. PT tbg + 500 psi - OK. RD & released rig 10/22/04.