

District I - (505) 393-6161

P. O. Box 1980  
Hobbs, NM 88241-1980

District II - (505) 748-1283

811 S. First  
Artesia, NM 88210

District III - (505) 334-6778

1000 Rio Brazos Road  
Aztec, NM 87410

District IV - (505) 827-7131

New Mexico  
Energy Minerals and Natural Resources Department  
Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

Form C-140  
Revised 06/99

Submit Original  
Plus 2 Copies  
to appropriate  
District Office



**APPLICATION FOR  
WELL WORKOVER PROJECT**

**I. Operator and Well**

<b>Operator name and address</b> Burlington Resources Oil and Gas P.O. Box 4289 Farmington, NM 87499		<b>OGRID Number</b> 014538						
<b>Contact Party</b> Peggy Cole		<b>Phone</b> (505) 326-9700						
<b>Property Name</b> SAN JUAN 27-5 UNIT		<b>Well Number</b> 78	<b>API Number</b> 300390719400					
<b>UL</b> G	<b>Section</b> 05	<b>Township</b> 027N	<b>Range</b> 005W	<b>Feet From The</b> 1460	<b>North/South Line</b> FNL	<b>Feet From The</b> 1460	<b>East/West Line</b> FEL	<b>County</b> RIO ARRIBA

**II. Workover**

<b>Date Workover Commenced</b> 7/8/99	<b>Previous Producing Pool(s) (Prior to Workover)</b>  BLANCO MV/BASIN DK
<b>Date Workover Completed</b> 8/5/99	

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 )  
 ) ss.  
County of San Juan )

Peggy Cole, being first duly sworn, upon oath states:

- I am the operator, or authorized representative of the Operator, of the above-reference Well.
- I have made, or caused to be made, a diligent search of the production records reasonably available for this Well.
- 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 Peggy Cole Title Reg. Administrator Date 2-23-00

SUBSCRIBED AND SWORN TO before me this 23 day of Feb, 2000.

My Commission expires: 6/11/03 Mae Benallyen  
Notary Public

**FOR OIL CONSERVATION DIVISION USE ONLY:**

**VI. CERTIFICATION OF APPROVAL:**

This Application is hereby approved and the above-reference well is designated a Well Workover Project and the Division hereby verifies the data shows 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 on 8/5/99

<b>Signature District Supervisor</b> <u>SS</u>	<b>OCD District</b> <u>3</u>	<b>Date</b> <u>4/17/00</u>
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VII. COPY OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
JLM

Sundry Notices and Reports on Wells

99 AUG 10 PM 2:39

1. Type of Well  
GAS

070 FARMINGTON, NM

5. Lease Number  
SF-079393  
6. If Indian, All. or  
Tribe Name

2. Name of Operator

**BURLINGTON  
RESOURCES**

OIL & GAS COMPANY

7. Unit Agreement Name

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

8. San Juan 27-5 Unit  
Well Name & Number  
San Juan 27-5 U #78

4. Location of Well, Footage, Sec., T, R, M

1460' FNL, 1460' FEL, Sec.5, T-27-N, R-5-W, NMPM

9. API Well No.  
30-039-07194

DHC-2281

10. Field and Pool  
Blanco MV/Basin DK

11. County and State  
Rio Arriba Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

Type of Action

Notice of Intent

Abandonment

Change of Plans

Subsequent Report

Recompletion

New Construction

Final Abandonment

Plugging Back

Non-Routine Fracturing

Casing Repair

Water Shut off

Altering Casing

Conversion to Injection

Other - Commingle

13. Describe Proposed or Completed Operations

- 7-8-99 MIRU. ND WH. NU BOP. TOOH w/270 jts 2 3/8" tbq. TIH w/4 1/2" CIBP & pkr; set CIBP @ 6050', set pkr @ 6020'. PT CIBP to 3000 psi, OK. Load hole w/88 bbl 2% KCL wtr. Pressure csg to 1000 psi. SDON.
- 7-9-99 Made multiple tool settings to find csg leak. TOOH w/pkr. TIH w/4 1/2" FB pkr, set @ 60'. Pressure up backside to 1000 psi, OK. Unseat pkr. TOOH, pkr stuck in WH. SDON.
- 7-10-99 Remove old WH. Remove pkr. Install new WH. Ran CBL-CCL @ 3120-6050', TOC on 4 1/2" csg @ 3120'. Ran GR @ 0-3120'. Had no cmt @ 3340-4800' & no cmt below 5623'. SDON.
- 7-11-99 TIH w/3 7/8" mill to CIBP @ 6050'. Did not tag CIBP. TOOH. TIH w/4 1/2" FB pkr, set @ 5509'. PT backside to 3000 psi, OK. PT csg below pkr, failed. Made multiple tool settings to find csg leak. TOOH w/pkr. TIH, perf 2 sqz holes @ 5820'. TIH w/4 1/2" cmt retainer, set @ 5780'. Establish injection. Pump 150 sx Class "A" 50/50 poz w/2 pps Gilsonite, 0.4% fluid loss. Displace w/22.3 bbl wtr. Sqz to 600 psi. Circ 1 bbl cmt to surface. WOC. TOOH. SD for Sunday.
- 7-12-99 TOOH. ND BOP. NU WH. RD. Rig released.

Continued on back

14. I hereby certify that the foregoing is true and correct.

Signed Nancy Oltramano - for Title Regulatory Administrator

ACCEPTED FOR RECORD

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_

Date AUG 23 1999

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OPERATOR

7-15-99 MIRC. Perf Menefee Joint Lookout w/1 SPF @ 5466, 5468, 5470, 5504, 5508, 5526, 5540, 5542, 5551, 5560, 5578, 5591, 5606, 5611, 5616, 5623, 5629, 5642, 5650, 5657, 5663, 5672, 5734, 5741, 5763' w/25 0.32" diameter holes total. Frac Menefee/Point Lookout w/2499 bbl slk wtr, 71,250# 20/40 Brady sd. TIH w/CIBP, set @ 5402'. PT CIBP to 3000 psi, OK. TOOH. TIH, perf Cliff House/upper Menefee w/1 SPF @ 5026, 5047, 5061, 5089, 5090, 5130, 5131, 5154, 5159, 5166, 5168, 5170, 5177, 5178, 5180, 5192, 5196, 5200, 5261, 5262, 5278, 5279, 5344, 5353, 5364' w/25 0.32" diameter holes total. Frac Cliff House/upper Menefee w/2389 bbl slk wtr, 71,250# 20/40 Brady sd. SDON.

7-16-99 TIH w/CIBP, set @ 4970'. TOOH. TIH, perf 2 sqz holes @ 3946'. RD.

7-19-99 (Verbal approval to squeeze from Jim Lovato, BLM).

7-22-99 MIRC. TIH w/4 1/2" FB pkr, set @ 3704'. Establish injection. Pump 150 sx Class "B" 50/50 poz. WOC. SDON.

7-23-99 Release pkr, TOOH. TIH w/3 7/8" bit. Tag TOC @ 3880'. Drill cmt @ 3880-4080'. PT sqz to 1500 psi, OK. TOOH. TIH, ran CBL @ 2700-4369', TOC @ 3942'. Bottom of cmt @ 4002'. TIH w/4 1/2" pkr. SDON.

7-24-99 Set pkr @ 3702'. Pump 150 sx Class "B" cmt w/2% sodium metasilicate. Sqz to 3000 psi. Reverse circ out 1.5 bbl cmt to surface. Sqz to 1500 psi. WOC. SDON.

7-25-99 TOOH w/pkr. TIH w/3 7/8" bit to TOC @ 3660'. Drill cmt @ 3660-3990'. CO to CIBP @ 4750'. TOOH. TIH, ran CBL @ 3450-4350', TOC @ 3682' w/good bond. SDON.

7-26-99 Perf Lewis w/1 SPF @ 3946, 3949, 3953, 3961, 3963, 3999, 4004, 4012, 4017, 4020, 4204, 4216, 4218, 4305, 4308, 4310, 4312, 4314, 4330, 4332, 4336, 4338, 4342, 4357, 4358, 4365, 4366, 4465, 4474, 4476, 4486, 4488, 4494, 4498, 4500, 4610, 4614, 4616, 4618, 4623' w/40 0.32" diameter holes total. Frac Lewis w/937 bbl 20# linear gel, 200,000# 20/40 Arizona sd. CO after frac.

7-27-99 Blow well & CO.

7-28-99 TOOH. TIH w/3 7/8" mill to 4750'. Blow well & CO. Drill out CIBP @ 4750'. Blow well & CO to 5330'.

7-29-99 Blow well & CO to 5380'. Drill out CIBP @ 5380'. Blow well & CO to 5780'.

7-30-99 Drill cmt retainer @ 5780'. Drill cmt to 5860'. Blow well & CO to 6050'. Drill CIBP @ 6050'. Blow well & CO.

7-31-99 Blow well & CO to PBD @ 7797'.

8-1/4-99 Blow well & CO.

8-5-99 Blow well & CO. TOOH. TIH w/268 jts 2 3/8" 4.7# J-55 EUE tbg, landed @ 7741'. ND BOP. NU WH. RD. Rig released.

Well will produce as a Mesaverde/Dakota commingle under DHC-2281

COMP_NAME	TOW_ID	USER_XREF	DISP MO	GRS GAS PR
SAN JUAN 27-5 UNIT 78 DK	5063401	50634A	11/30/98	4035.26
SAN JUAN 27-5 UNIT 78 DK	5063401	50634A	12/31/98	5885.79
SAN JUAN 27-5 UNIT 78 DK	5063401	50634A	1/31/99	1669.846
SAN JUAN 27-5 UNIT 78 DK	5063401	50634A	2/28/99	125.44
SAN JUAN 27-5 UNIT 78 DK	5063401	50634A	3/31/99	0
SAN JUAN 27-5 UNIT 78 DK	5063401	50634A	4/30/99	0
SAN JUAN 27-5 UNIT 78 DK	5063401	50634A	5/31/99	0
SAN JUAN 27-5 UNIT 78 DK	5063401	50634A	6/30/99	0
SAN JUAN 27-5 UNIT 78 DK	5063401	50634A	7/31/99	0
SAN JUAN 27-5 UNIT 78 DK	5063401	50634A	8/31/99	3767.007
SAN JUAN 27-5 UNIT 78 DK	5063401	50634A	9/30/99	5727.756
SAN JUAN 27-5 UNIT 78 DK	5063401	50634A	10/31/99	4864.261
SAN JUAN 27-5 UNIT 78 DK	5063401	50634A	11/30/99	3932.569
SAN JUAN 27-5 UNIT 78 DK	5063401	50634A	12/31/99	3947.875
SAN JUAN 27-5 UNIT 78 MV	5063402	5063402	7/31/99	0
SAN JUAN 27-5 UNIT 78 MV	5063402	5063402	8/31/99	10184.872
SAN JUAN 27-5 UNIT 78 MV	5063402	5063402	9/30/99	15486.154
SAN JUAN 27-5 UNIT 78 MV	5063402	5063402	10/31/99	13151.519
SAN JUAN 27-5 UNIT 78 MV	5063402	5063402	11/30/99	10632.501
SAN JUAN 27-5 UNIT 78 MV	5063402	5063402	12/31/99	10673.885

MAJ	DP	NO	PRODN	DISP	Volume
10	50634A	199711	00		7390.9340
10	50634A	199712	00		7207.6067
10	50634A	199801	00		7192.9013
10	50634A	199802	00		5997.8425
10	50634A	199803	00		6499.7868
10	50634A	199804	00		5244.926
10	50634A	199805	00		6286.0683
10	50634A	199806	00		4658.6707
10	50634A	199807	00		5824.3188
10	50634A	199808	00		6893.8915
10	50634A	199809	00		3488.1209
10	50634A	199810	00		4431.2272