

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
March 4, 2004

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

WELL API NO.  
30-045-26970

5. Indicate Type of Lease  
STATE ☐ FEE ☐

6. State Oil & Gas Lease No.  
Federal Lease - SF-078596

7. Lease Name or Unit Agreement Name

8. Well Number  
Pump Canyon SWD #1

9. OGRID Number  
14538

10. Pool name or Wildcat  
Morrison Bluff Entrada - 96162

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-101) 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  
**P.O. Box 4289, Farmington, NM 87499-4289**

4. Well Location

Unit Letter J : 1725' feet from the South line and 1850' feet from the East line

Section 7 Township 30N Range 80W NMPM San Juan County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: ☒ Step Rate Test to increase limiting injection pressure

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

13. 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.

**Burlington Resources wishes to conduct a Step Rate test to increase limiting injection pressure for the subject well. Timing subject to truck availability.**

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Patsy Clugston TITLE Sr. Regulatory Specialist DATE 7/14/05

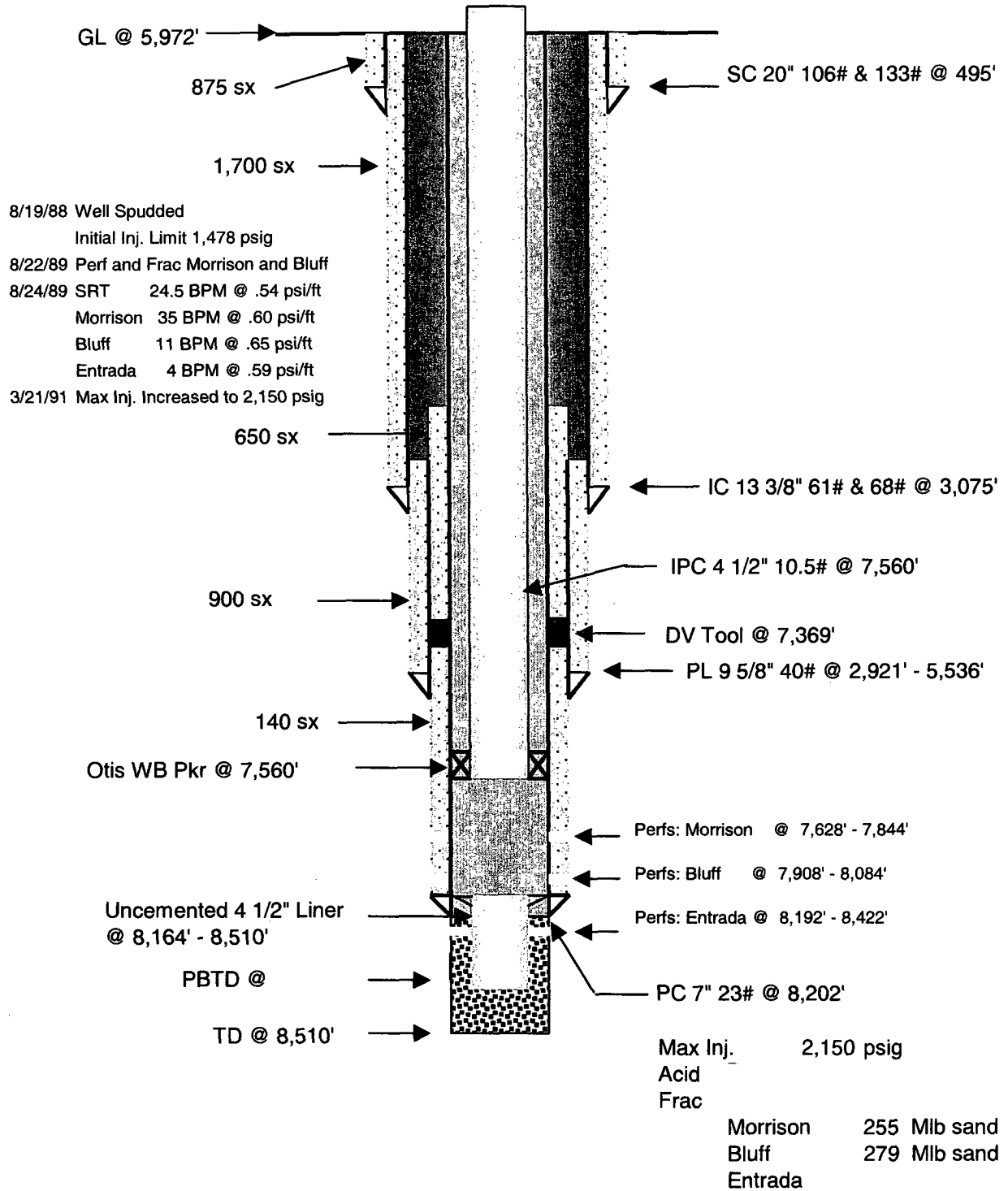
Type or print name Patsy Clugston E-mail address: pclugston@br-inc.com Telephone No. 505-326-9518  
(This space for State use)

APPROVED BY H. Villanueva TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #8 DATE JUL 15 2005  
Conditions of approval, if any:

**Pump Canyon # 1 SWD**  
**Burlington Resources**  
**J-7-30N-8W**  
**30-045-26970**

KB @ + 14'

1,725' FSL  
 1,850' FEL



## Pump Canyon # 1 SWD Step-Rate Test Procedure

1. Shut-in injection operations 24 hours prior to commencement of test.
2. Deliver 3,000 bbls of clean saltwater to surface tanks.
3. Remove wellhead building and install 4" frac Y to the existing wellhead.
4. RU BJ Services frac crew, trucks, and iron.
5. RU Tefteller slick line truck.
6. NU Reynolds surface data logger to monitor casing and Braden head pressures during test.
7. Pressure test lines to 3,000 psi.
8. TIH with slick line and tandem 10,000 psi pressure bombs set to record data every 30 seconds. Set pressure bombs at top of perforations or 7,628'.
9. Commence the step-rate test for the following procedure:

Step/Rate (bpm)	Time	Volume (bbls)
0.5	:15	7.5
0.75	:15	11.25
1	:15	15
1.5	:15	22.5
2	:15	30
3	:15	45
4	:15	60
5	:15	75
6	:15	90
7	:15	105
8	:15	120
9	:15	135
10	:15	150
11	:15	165
12	:15	180
13	:15	195
14	:15	210
15	:15	225
16	:15	240
17	:15	255
18	:15	270
	5:15	2606.25

Note: Blue steps may not be required

<u>Specs</u>		<u>Company</u>
MAWP	3,000 psig	
Max Pres exp.	2,400 psig	
Max rate	18 bpm	
HHP req.	1,100 hhp	BJ Services
Wireline	8,025 Ft	Tefteller
Tandom PSI Bombs	10,000 psi	Tefteller

Well head equipment: 4" 1002 Frac Y w/ 4" 1002 wing valve on Y provided by District Tools and installed by Cameron.

10. RD BJ Services frac crew, trucks, and iron.
11. Wait 48 hours on fall-off data.
12. TOH with Tefteller slick line and tandem pressure bombs.
13. RD Tefteller slick line.
14. Remove frac Y and replace wellhead building.
15. ND Reynolds data logger.
16. Restart injection operations.