State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

API # (assigned by OCD)
30-039-20046

5. **Lease Number**
Fee

6. **State Oil&Gas Lease #**

2. **Name of Operator**
BURLINGTON RESOURCES OIL & GAS COMPANY

7. **Lease Name/Unit Name**
San Juan 27-5 Unit

8. **Well No.**
108

3. **Address & Phone No. of Operator**
PO Box 4289, Farmington, NM 87499 (505) 326-9700

9. **Pool Name or Wildcat**
Basin Dakota

4. **Location of Well, Footage, Sec., T, R, M**
1460'FSL, 1150'FEL, Sec.15, T-27-N, R-5-W, NMPM, Rio Arriba County
I

10. **Elevation:**

Type of Submission		Type of Action		
___	Notice of Intent	_X_	Abandonment	___ Change of Plans
		___	Recompletion	___ New Construction
_X_	Subsequent Report	___	Plugging Back	___ Non-Routine Fracturing
		___	Casing Repair	___ Water Shut off
___	Final Abandonment	___	Altering Casing	___ Conversion to Injection
		___	Other -	

13. **Describe Proposed or Completed Operations**

11-8-96 MIRU. ND WH. NU BOP. TIH, tag CIBP @ 7562'. TOOH to 7561'. Pump 40 bbl wtr ahead. Plug #1: pump 12 sx Class "B" neat cmt @ 7402-7561'. TOOH to 2381'. SD for weekend.

11-11-96 TOOH w/237 jts 2 3/8" tbg. TIH, perf 3 sqz holes @ 6370'. TOOH. TIH w/4 1/2" cmt retainer, set @ 6318'. PT tbg to 1500 psi/10 min, OK. Load csg w/15 bbl wtr. Establish injection. Plug #2: pump 43 sx Class "B" cmt outside csg below cmt retainer @ 6270-6370'. Pump 8 sx Class "B" cmt on top of cmt retainer inside csg to 6220'. TOOH to 5238'. Establish circ. Plug #3: pump 13 sx Class "B" neat cmt @ 5064-5238'. TOOH to 3523'. Establish circ. Plug #4: pump 31 sx Class "B" neat cmt @ 3114-3523'. TOOH to 3110'. Plug #5: pump 31 sx Class "B" neat cmt @ 2701-3110'. TOOH to 2697'. Reverse circ 25 bbl cmt to surface. TOOH to 1427'. SDON.

11-12-96 TIH, tag plug #4 @ 2840'. TOOH to 2825'. Load hole w/5 bbl wtr. PT csg to 500 psi, failed. Plug #6: pump 12 sx Class "B" neat cmt inside csg @ 2667-2825'. TOOH to 1586'. WOC. TIH, tag plug #6 @ 2696'. TOOH to 1650'. Perf 3 sqz holes @ 1650'. TOOH. TIH w/4 1/2" cmt retainer, set @ 1590'. TOOH. TIH, establish injection. Plug #7: pump 57 sx Class "B" cmt below cmt retainer outside csg @ 1550-1650'. Pump 7 sx Class "B" cmt on top of cmt retainer to 1498'. TOOH. TIH, perf 3 sqz holes @ 387'. TOOH. Establish circ down csg & out bradenhead. Plug #8: pump 179 sx Class "B" neat cmt down csg & out bradenhead. Circ 1 bbl cmt to surface. SDON.

11-13-96 ND BOP. Cut off WH. Fill 4 1/2" csg & 4 1/2" x 9 5/8" annulus w/28 sx Class "B" cmt. Install dry hole marker w/10 sx Class "B" cmt. RD. Rig released. Well plugged and abandoned 11-13-96. (Ernest Cardona, OCD on location).

SIGNATURE Peggy Bradfield Regulatory Administrator December 3, 1996

(This space for State Use)

Approved by Ernest Cardona **Title** Deputy O & G Inspector **Date** 1-15-97

FORM 23-75R (REV. 1-63)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE August 16, 1967

Operator: El Paso Natural Gas Company		Lease: San Juan 27-5 Unit No. 108	
Location: 1460'S, 1180'E, Sec. 15, T-27-N, R-5-W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 7880	Tubing: Diameter: 2.375	Set At: Feet: 7574
Pay Zone: From: 7612	To: 7828	Total Depth: 7880	Shut In: 7-27-67
Stimulation Method: Sand Water Frac		Flow Through Casing:	Flow Through Tubing: X

Choke Size, Inches: .750		Choke Constant: C: 12.365			
Shut-In Pressure, Casing, PSIG: 2087	+ 12 = PSIA: 2099	Days Shut-In: 14	Shut-In Pressure, Tubing PSIG: 2492	+ 12 = PSIA: 2504	
Flowing Pressure: P PSIG: 414	+ 12 = PSIA: 426		Working Pressure: P_w PSIG: 1242	+ 12 = PSIA: 1254	
Temperature: T= 78 °F	Ft= .9831	n = .75	Fpv (From Tables): 1.037	Gravity: .640	Fg = .9682

CHOKE VOLUME = $Q = C \times P_t \times F_t \times F_g \times F_{pv}$

$Q = (12.365)(426)(.9831)(.9682)(1.037) =$ 5199 MCF/D

OPEN FLOW = Aof = $Q \left(\frac{P_c^2}{P_c^2 \quad P_w^2} \right)^n$

$Aof = \left(\frac{6270016}{4697500} \right)^n = (5199)(1.3347)^{.75} = (5199)(1.2419)$

NOTE: The well produced a medium spray of dist. and water throughout the test.

Aof = 6457 MCF/D

RECEIVED
AUG 21 1967
OIL CON. COM.
DIST. 3

TESTED BY Don Norton

CHECKED ~~WITNESSED~~ BY T. B. Grant

CALCULATED BY H. E. McAnally

H. L. Kendrick