

**San Juan 30-5 Unit #51M**  
**SF-078739; API – 30-039-26381; I, 1729' FSL & 1040' FEL**  
**Section 21, T30N, R5W; Rio Arriba Co., NM**

**Details of the procedure used to perforate and stimulate the MV intervals.**

11/13/00

MV Perforations - Cliffhouse & Menefee @ 1 spf .31" holes. Total 19 holes

5506', 5504', 5502', 5489', 5478', 5464', 5458', 5453', 5443', 5433',  
5424', 5418', 5402', 5365', 5358', 5340', 5337', 5307', 5291'

Pt. Lookout @ 1 spf .31" holes. Total 20 holes:

5645', 5635', 5622', 5611', 5609', 5605', 5603', 5599', 5597', 5593',  
5587', 5579', 5575', 5569', 5557', 5549', 5545', 5540', 5534', 5527'

Lewis Shale @ 1 spf .36" holes. Total 36 holes

4707' – 09'; 4670' – 72'; 4612' – 14'; 4522' – 24'; 4478' – 80'; 4464' – 67';  
4279' – 81'; 4254' – 56'; 4227' – 29'; 4216' – 18'; 4188' – 90'; 3973' – 75';

Acidized Lower MV perms w/1500 gal HCL acid & ballsealers;

Acidized Upper MV (L/S) perms w/ 1000 gal HCL acid & ballsealers

Stimulation:

Lower MV perms - pumped 200,090 # 20/40 Brady sand and 70 Quality foam. Total fluid pumped 139 bbls. Total N2 pumped 160,050 scf.

Upper MV (L/S) perms - pumped 60 Quality foam w/200,740# sand, Total fluid – 930.6 bbls.