

IX

**Proposed
Stimulation
Program**

VGSAU 233 WIW

API # 30-025-36355

2630' FSL & 660' FWL
 SEC 1, UL "L", TWN 18-S, Range 34-E, County Lea
 ELEVATION: 3997' GL; 4003' KB
 Completed: 10/20/2003

Surface Casing:

12 1/4" hole
 34 JTS 8 5/8" csg - 24#, J55
 set @ 1535'. Cemented w/ 545 sx 35:65 POZ
 class "C" cmt 12.8 ppg, followed by 200 Sx cl
 "C" cmt 14.8 ppg. 80 Sx cement to surface.
 (8/14/03)

Production Casing:

7-7/8" hole
 106 JTS 5-1/2" csg - 15.5#, J55, LTC
 set @ 4600.
 Lead: 560 sx 35/65 POX cl "C", 12.8 ppg cmt
 Tail: 470 sx 50:50 POX cl "C" 14.2 ppg cmt
 Circulated water cement to surface. Well was
 flowing (8/20/03)

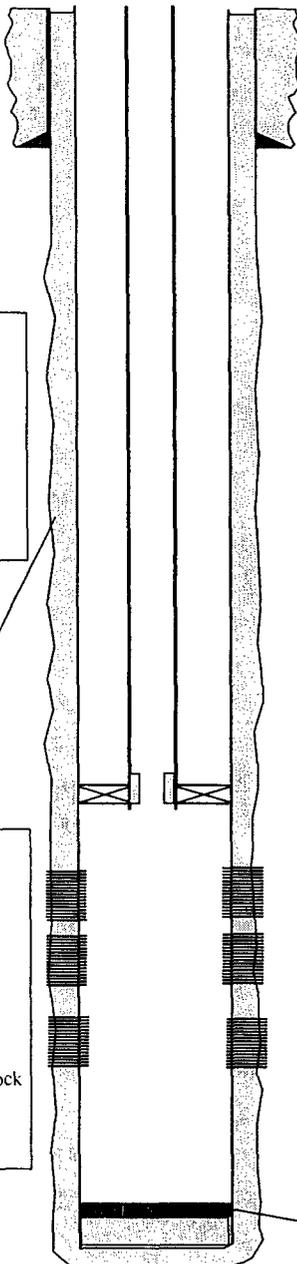
TOC @ Surface Based on CBL. Good
 bond cement below 4000'

Perforation Intervals:

4366'-4385' (19'):
 4389- 4417' (28'):
 4425'- 4448' (23')

70' - 4 spf, 280 holes. 3 1/8 in. XPS Expendable
 (10/14/2003)
 Acid from 4366' to 4448' w/ 7,000 gls 15% HCl &
 1750# rock salt. First 1000# block had a 2636 psi
 increase f/ 2300 to 4936 psi. Second block of 750# rock
 salt had an increase of 500 psi f/ 2200 to 2700 psi.
 (10/15/2003)

FC @ 4559'



Last Workover:

13-20 Aug-2003: **Drilled 10 Acr Injector:** Drilled surface hole w/ 12 1/4" bit. Ran 8 5/8" 24#- J55 casing to 1535'. Cement casing to surface w/ 745 sx cl "C" cmt. Drilled production hole w/ 7 7/8" bit. Hit water flow @ 4500' (14 bph). drilled to 4611' and flow increased to 35 bph. Called well TD. Ran 5 1/2" 15.5# - J55 to 4600'. Cemented casing in place w/ 1030 sx C/ "C" cement. watered cement on surface. Released Rig.

13-20 Oct-2003: **Initial Completion** : perforate 70' - 4 spf, 280 holes, 3 1/8 in. XPS Expendable. Acid from 4366' to 4448' w/ 7,000 gls 15% HCl & 1750# rock salt. First 1000# block had a 2636 psi increase f/ 2300 to 4936 psi. Second block of 750# rock salt had an increase of 500 psi f/ 2200 to 2700 psi. Clean out salt. P/U 5 1/2" Lock set Pkr w/ 136 jts 2 3/8" duolined tbg. Set Pkr @ 4311'. R/D.

INJECTION EQUIPMENT:

1- 5-1/2" Lock set Nickel Plated w/ Pump out plug PKR
 136- Joints 2-3/8" Duolined Injection Tbg.

PACKER SET @ 4311'

Zones

Top	Depth	Interval
GB Marker	4,198	
GB Dol Top	4,300	40
GB Dol Bott	4,340	30
San Andres	4,370	200
LSA	4,570	140
O/W	4,710	
TOTAL		410

PBSD @ 4556' (13-Oct-2003)

COMMENTS AND RECOMMENDATIONS:

Stimulation Details.
