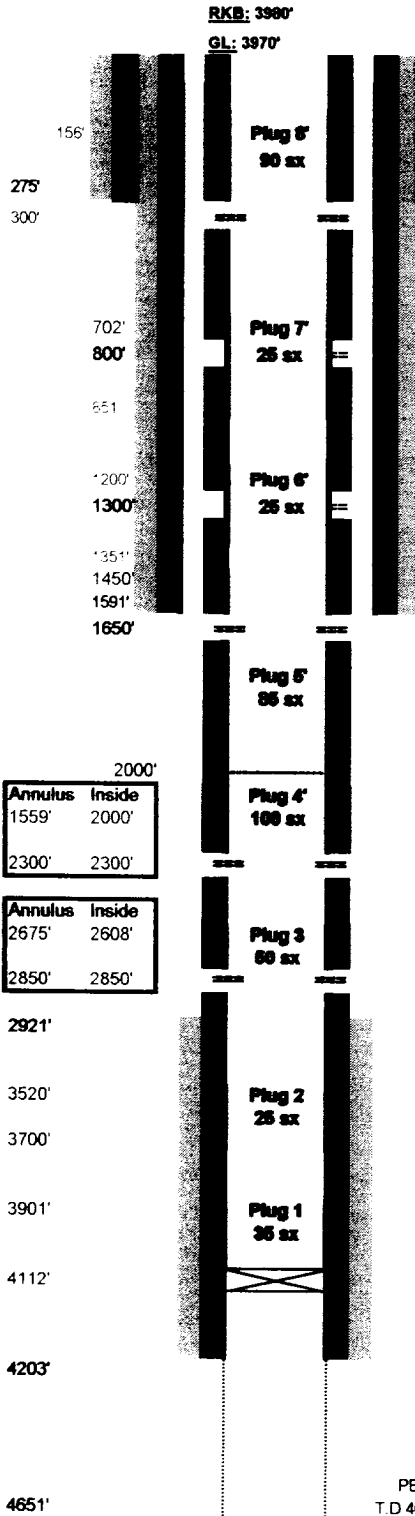


**WellBore Diagram - Phillips Petroleum Co.
"Actual" Sketch - EVGSAU 3236-002**

Date: 04/09/02



Squeeze Plug #8, 466 sx. Established injection rate of 2 bpm @ 300 psi. Displaced cmt @ 2 bpm & 400 psi. ISIP = 150 psi. Had no returns in 7" x 9-5/8" annulus.

Surface Hole: 17-1/2"
Surface Casing: 13-3/8", 48# & 54#, K-55, @ 275'. Cmt'd w/ 400 sx to surface

Note: hole in 7" prod. csg. between 274'-surface. Allows flow to go outside 7" down and back up into tbg when pkr was set @ 274'.

Spot Plug #7, 25 sx. Covers perms @ 800'. Achieved injection rate above plug # 7 of 2 bpm @ 300 psi. ISIP = 200 psi

Note: Perfed @ 1300' & 800' and were not able to establish injection @ 1000 psi at either depth. Permission f/ OCD to spot plugs across perms.

Spot Plug #6, 25 sx. Covers perms @ 1300'

Intermediate Hole: 12-1/4"
Intermediate Casing: 9-5/8", 36# @ 1591'. Cmt'd w/ 615 sx. to surface.

Spot Plug #5, 85 sx. Covers the intermediate shoe. Had 25 psi SITP after 3 hrs. Well pressure tested to 500 psi f/ 318-1500'. With blind rams SI. established pump-in rate of 2 bpm @ 600 psi f/ 0'-1450'.

Note: This well was TA'd due to a high GOR. Latest well test showed 5 BOPD, 2000 BWPD, and 1000 MCFPD. An attempt was made to test the casing to 500 psi, but the casing would not hold. A hole was located in the casing in the interval between 2487'-2517'.

Perfoated @ 2300': had 1150 psi SITP w/ pkr set @ 1816'.
Squeeze Plug #4, 100 sx. (40 sx outside, 50 sx inside). SI w/ 450 psi. Covers the Yates inside & outside pipe.

Squeeze Plug #3, 50 sx (20 sx in 7" x 8-3/4" annulus, 30 sx inside 7" prod. csg.), calc'd annulus interval: 2850'-2675'. Covers the Yates in 7" x 8-3/4" annulus and inside 7" prod. csg. Pumped @ 2 bpm & 1250 psi. SITP= 750 psi. 7" prod. csg. tested to 1200 psi f/ 2315'-2608' & 750 psi f/ 1816'-2608'. Covers the Yates inside & outside pipe.

TOC @ 2921'

Production Hole: 8-3/4"

Spot Plug #2, 25 sx. Covers the Queen.

Spot Plug #1, 35 sx. Covers the San Andres and Grayburg.

CIBP @ 4112'

Production Casing: 7", 24#, K-55 @ 4203'. Cmt'd w/ 146 sx. TOC @ 2921'.

6-1/4" Openhole @ 4203-4651'

Lease and Well No: EVGSAU 3236-002
Location: 660 FNL & 660 FV **BHL:** Same
Sec. 32, T17S-R35E

County/State: Lea County, New Mexico
Field: East Vacuum Unit
Producing Formations: San Andres/Grayburg
Spud Date: 11/10/38
Completion Date: 1/15/39
API Number: 30-025-02977
Status: Active Producer

Formation Tops:

Chinle	220'
Rustler	1520'
Yates	2800'
Queen	3670'
Grayburg	4010'
San Andres	4290'

Legend:
Original Plugs
Secondary Plugs

PBTD 4651'
T.D 4651'