

Phi Petroleum Company - Permian Profit Cer
August 2, 1999

RKB 4109.5
GL 4092'

17 1/2" hole
13 3/8" 54.5# J-55
set @ 411'
450 sx cemt. Cir. 182 sx.

11" hole
8 5/8" K-55 24# & 32#
set @ 4790'
1900sx cemt. Cir. 165sx

TOC @ 7990' (CBL 6/3/99)

2nd stage cmtd w/ 450 sx cmt
DV Tool @ 10,478'

Guiberson 10K on-off tool w/ 2.25" 'F' nipple at 13,056'
Arrowset 10K packer at 13,060'
2-7/8" tubing cutoff at +/- 13,072'

13,254'-13,274 4spf Halliburton/Owen Swing Jet Gun

13,446'-13,456 4 spf Schlumberger Pivot Gun

Cutoff 1.78" 'R' nipple and 1' of tubing
5-1/2" 17#-LS110 & 20# S-95 @ 13517'
Cmtd 1st stage w/800sx cemt.

PBTD: 13,492'
TD: 13,518'

Lease & Well No.: Tomahawk State 19 #1

Well Category: Two
Area: New Mexico
Subarea: Caprock
Legal Description: API #3002534583
2616' FNL, 1148' FEL, Sec 19, T-17-S, R-34-E
Lea County, New Mexico
Spudded: 03/24/99
Completed: 06/04/99

Initial Completion:

6/04/99 13446' - 13456' 4spf
7/30/99 13254' - 13274' 4spf

Stimulation:

NONE

Casing Detail (Top-Btm):

5-1/2" 17# LS110	10484.19
5-1/2" Davis Stage Tool	2.00
5-1/2" 17# LS110	716.20
5-1/2" 20# S95	2233.76
5-1/2" Davis Float Collar	1.15
5-1/2" 20# S95	84.27
5-1/2" Davis Float Shoe	1.35