



Kline 10 #4
San Juan County, New Mexico
Current Well Schematic as of 10-22-2007
This well is deviated to ~ 32 degrees

30-045-33545

API: 30-045-33545
Legals: 10-31N-13W
Field: Basin

KB 16'
KB Elev 5813'
Gr Elev 5797'

Geologic Tops:

Ojo Alamo		
Kirtland		
Fruitland Formation	1570' MD	1487' TVD
Fruitland Coal	1843' MD	1723' TVD
Pictured Cliffs	2170' MD	2007' TVD

Surface Casing:

Set @ 385'
TOC = 0' w/ 210 sks (44 bbls) Class "G" @ 15.6 ppg, 1.18 cu-ft/sk
Circulated 15 bbls (58 sks) to surface

Tubing Details:

EOT = 2217.71' w/ rods & 1 1/2" insert pump

Perfs: All 4 spf, 0.49" holes
1864' - 1870' 24 holes

Frac: 2nd Attempt 600 gals 15% HCL
Sep-07 12,193 lbs of 20/40 Brady Sand
17962 gals of fluid

Perfs: All 2 spf, 0.49" holes
1987' - 1994' 14 holes
2035' - 2037' 4 holes

Frac: 500 gals 15% HCL
Sep-07 33,011 lbs of 20/40 Brady Sand
26,419 gals of fluid

Perfs: All 2 spf, 0.49" holes
2143' - 2173' 60 holes

Frac: 1500 gals 15% HCL
Sep-07 152,492 lbs of 20/40 Brady Sand (coated w/ Sand Wedge)
96,886 gals of fluid

CIBP @ 2256' MD (2081' TVD)

PBTD = 2274' MD (2096' TVD)

TD = 2382' MD (2182' TVD)

Production Casing:

Set @ 2374.90"
TOC = 0' w/ 96 bbls (415 sks) @ 13.5 ppg, 1.30 cu-ft/sk
Cmt was Poz Class G 50/50
(circulated 50 bbls to surface)