



Rincon Unit # 419

Rio Arriba County, New Mexico

Current Wellbore Schematic as of 11-30-07

30-039-27797

API: 30-039-27797
Legals: Sec 29 - T 27N - R 06W
Field: Blanco - Mesaverde
Basin - Dakota
KB 16'
KB Elev 6722'
GR Elev 6706'

Geologic Tops:
Fruitland Coal 3013'
Pictured Cliffs 3215'
Chacara 4193'
Cliffhouse 4930'
Graneros 7453'
Dakota 7586'

Spud: 10/01/07

Surface Casing:
9-5/8", 36#, J-55, LT&C set @ 377' in 12-1/4" hole
Cmt'd. with 200 sks to Surface
Circ. 56 sx clean cement to pit

Tubing Details:
240 joints 2-3/8" 4.7 ppf J-55 tbg (7609.8') + one 1.78" ID
F-nipple (1.10') + one 2.10' pupjoint + one 3.125" OD x 1.995" ID
Wireline Reentry Guide (0.45') hung 11/29/07 at 7630.34'

TOC @ +/- 2250' from CBL Dated 10-20-07

Intermediate Casing:
7", 23#, N-80, LT&C set @ 2866' in 8-3/4" hole
Cmt'd. with 475 sks to Surface
Circ. 159 sx clean cement to pit

Upper Mesaverde Perforation Details:
All 2 spf, 0.32" EHD, & 180° Phasing
4930-33', 4940-42', 4968-77', 4980-89', 4993', 5022',
5058-66', 5072-75', 5107', 5155-68', & 5172-75',
(114 holes)
Frac'd w/ 19,947 gal 70 Q 9 cp Delta 140 Frac fluid,
918 MSCF N2, & 75,500# 20/40 Brady sand @ 3346 psig
avg. pressure, 33.3 BPM avg. rate, & 4.27 #/gal maximum
density, final frac gradient = 0.73 psi/ft

Lower Mesaverde Perforation Details:
All 2 spf, 0.32" EHD, & 180° Phasing
5290-99', 5416', 5441', 5445', 5469-5506', 5514-20',
5523-30', 5565', & 5601' (128 holes)
Frac'd w/ 46,525 gal 63.2 Q 9 cp Delta 140 Frac fluid,
731 MSCF N2, & 58,500# 20/40 Brady sand @ 2946 psig
avg. pressure, 35.2 BPM avg. rate, & 3.98 #/gal maximum
density, final frac gradient = 0.56 psi/ft

Dakota/Graneros Perforation Details:
All 2 spf, 0.32" EHD, & 180° Phasing
7458-65', 7471-90', 7504-10', 7586-7608', 7620-31',
7634-42', 7646-54', & 7660-68' (178 holes)
Frac'd w/ 59,128 gal 17 cp Delta Frac fluid & 84,200# 20/40
Ottawa sand @ 1586 psig avg. pressure, 37 BPM avg. rate & 4.2
#/gal maximum density, Final frac gradient = 0.61 psi/ft

DDTN-7604'
TOC @ 7688'

Production Casing:
4-1/2", 11.6#, N-80 LT&C, Set @ 7691' in 6-1/4" Hole
Cmt'd with 550 sks to 2250'

TD = 7692'

Prepared by: Jerry Schilling
Date: 11/30/2007

Revised by:
Date: