

ConocoPhillips

END OF WELL SCHEMATIC

Well Name: San Juan 31-6 # 214A
 API #: 30-039-27331
 Location: 1400' FSL & 865' FEL
Sect 36 - T31N - R6W
Rio Arriba County, NM
 Elevation: 6543 GL (above MSL)
 Drl Rig RKB: 13' above Ground Level
 Datum: Drl Rig RKB = 13' above GL

Spud: 1-Aug-2003Release Drl Rig: 4-Aug-2003Move In Cav Rig: 16-Aug-2003Release Cav Rig: 9-Sep-2003

Note - this well is equipped with rods & pump

7-¹/₁₆" 3M x 2-³/₈" EUE 8rd Bonnet

11" 3M x 7 1/16" 3M Tubing Head

9-5/8" 8 RD x 11" 3M Casing Head

Surface Casing Date set: 1-Aug-03
 Size 9 5/8 in
 Set at 227 ft # Jnts: 5
 Wt. 32.3 ppf Grade H-40
 Hole Size 12 1/4 in Conn STC
 Excess Cmt 125 %
 T.O.C. SURFACE

Csg Shoe 227 ft
 TD of 12-1/4" hole 237 ft

Notified BLM @ _____ hrs on _____
 Notified NMOCD @ 17:20 hrs on 30-Jul-2003

Intermediate Casing Date set: 4-Aug-03
 Size 7 in 76 jts
 Set at 3143 ft 1 pups
 Wt. 20 ppf Grade J-55
 Hole Size 8 3/4 in Conn STC
 Excess Cmt 150 %
 T.O.C. SURFACE

Csg Shoe 3143 ft
 TD of 8-3/4" Hole 3148 ft

Notified BLM @ _____ hrs on _____
 Notified NMOCD @ 20:00 hrs on 02-Aug-03

Production Liner Date set: 7-Sep-03
 Size 5 1/2 in
 Blank Wt. 15.5 ppf
 Grade J-55 Connections: LTC & STL
 # Jnts: 7
 Hole Size 6 1/4 in
 Btm of Liner 3377 ft
 Top of Liner 3068 ft

PBTD / Top of Bit Sub 3375
 Bottom of Liner / Bottom of 6-1/4" Bit: 3377

☒ New
☐ Used

☒ New
☐ Used

☒ New
☐ Used

Surface CementDate cmt'd: 1-Aug-03Lead : 150 sx Class G Cement

+ 2% S001 Calcium Chloride

+ 0.25 lb/sx D029 Cellophane Flakes

1.16 cuft/sx, 174 cuft slurry at 15.8 ppg

Displacement: 15.0 bbls fresh wtrBumped Plug at: 330 psiFinal Circ Press: 50 psi @ 0.5 bpmReturns during job: YESCMT Returns to surface: 14 bblsFloats Held: No floats usedW.O.C. for 8.0 hrs (plug bump to csg pressure test)**Intermediate Cement**Date cmt'd: 4-Aug-03Lead : 395 sx Class G Cement

+ 3% D079 Extender

+ 0.25 lb/sx D029 Cellophane Flakes

+ 0.2% D046 Antifoam

+ 0.05 gal/sx D047 Antifoam

2.61 cuft/sx, 1031 cuft slurry at 11.7 ppg

Tail : 100 sx 50/50 POZ : Class G cement

+ 2% D020 Bentonite

+ 2% S001 Calcium Chloride

+ 5 lb/sx D024 Gilsonite

+ 0.25 lb/sx D029 Cellophane Flakes

+ 0.2% D046 Antifoam

1.27 cuft/sx, 127 cuft slurry at 13.5 ppg

Displacement: 123 bblsBumped Plug at: 00:10 hrs w/ 1380 psiFinal Circ Press: 760 psi @ 2 bpmReturns during job: YESCMT Returns to surface: 21 bblsFloats Held: X Yes ___ No**UNCEMENTED LINER**TD 3,378 ft**COMMENTS:**

Surface: No float equipment was run. Ran a guide shoe and an aluminum baffle plate 1 jt above the guide shoe.
Displaced top wiper plug with water. Shut in casing head w/ 120 psi and WOC before backing out landing jt.

Intermediate: Displaced cement on 7" job with 20 bbls fresh water plus 103 bbls drill water.

Production: Ran a bit, float sub & float on btm of 5.5" liner. Ran a mechanical liner hanger.
Perforated 5-1/2" liner. Ran 2-3/8", 4.7#, J-55 EUE 8rd, tubing (EOT at 3368' RKB)
Ran pump and rods. Set pump in F Nipple (FN) at 3328' MD RKB.

CENTRALIZERS:Surface: CENTRALIZERS @ 217', 144', 100', & 57'.Total: 4

Intermediate: CENTRALIZERS @ 3133', 3058', 2975', 2893', 2811', 2728', & 199'.
TURBOLIZERS @ 2687', 2646', 2605'

Total: 7Total: 3