

ConocoPhillips

END OF WELL SCHEMATIC

Well Name: San Juan 30-5 # 210A

API #: 30-039-27868

Location: 715' FNL & 1980' FWL

Sec. 30 - T30N - R5W

Rio Arriba County, NM

Elevation: 6287' GL (above MSL)

Drl Rig RKB: 13' above Ground Level

Datum: Drl Rig RKB = 13' above GL

Spud: 28-Sep-04

Release Drl Rig: 2-Oct-04

Move In Cav Rig: 29-Oct-04

Date TD Reached: 2-Nov-04

Release Cav Rig: 6-Nov-04

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: 29-Sep-04

Size 9 5/8 in
Set at 228 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 228 ft

TD of 12-1/4" hole 240 ft

Notified BLM @ 11:30 hrs on 27-Sep-04

Notified NMOCD @ 11:30 hrs on 27-Sep-04

Intermediate Casing

Date set: 1-Oct-04

Size 7 in 68 jts
Set at 2954 ft 0 pups
Wt. 20 ppf Grade J-55
Hole Size 8 3/4 in Conn STC
Excess Cmt 160 %
T.O.C. SURFACE Bottom of Casing Shoe 2954 ft
Pup @ ft TD of 8-3/4" Hole 2960 ft
Pup @ ft

Notified BLM @ 15:00 hrs on 30-Sep-04

Notified NMOCD @ 15:00 hrs on 30-Sep-04

Production Liner

Date set: 04-Nov-04

Size 5 1/2 in
Nominal Wt. 15.5 ppf
Grade J-55 Connections: LTC
Jnts: 6
Hole Size 6.25 / 9.5 inches
Underreamed 6-1/4" hole to 9.5" from 2960' to 3180'
Top of Liner 2910 ft
PBDT 3179 ft
Bottom of Liner 3180 ft

This well was NOT cavitated.

☒ New
☐ Used

☒ New
☐ Used

☒ New
☐ Used


TD 3,180 ft

Surface Cement

Date cmt'd: 29-Sep-04

Lead: 150 sx Class G Cement
+ 2% BWOC S001 CaCl2
+ 0.25 lb/sx D130 Cellophane Flakes
1.16 cuft/sx, 174 cuft slurry at 15.8 ppg
Displacement: 14.5 bbls fresh wtr
Bumped Plug at: 04:05 hrs w/ 500 psi
Final Circ Press: 150 psi @ 2.0 bpm
Returns during job: YES
CMT Returns to surface: 11 bbls
Floats Held: No floats used
W.O.C. for 6.00 hrs (plug bump to start NU BOP)
W.O.C. for 8.00 hrs (plug bump to test csg)

Intermediate Cement

Date cmt'd: 1-Oct-04

Lead: 385 sx Class G Cement
+ 3% D079 Extender
+ 0.25 lb/sx D029 Cellophane Flakes
+ 0.2% D046 Antifoam
2.81 cuft/sx, 1004.9 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 Gilsontite
+ 0.25 lb/sx D029 Cellophane Flakes
+ 0.2% D046 Antifoam
1.27 cuft/sx, 127 cuft slurry at 13.5 ppg
Displacement: 118 bbls Fresh Wtr
Bumped Plug at: 15:07 hrs w/ 1246 psi
Final Circ Press: 663 psi @ 2.0 bpm
Returns during job: YES
CMT Returns to surface: 50 bbls
Floats Held: ☒ Yes ☐ No

UNCEMENTED LINER

Schematic prepared by:
Steven O. Moore, Drilling Engineer
19-Nov-2004

COMMENTS:

9-5/8" Surf:	No float equipment was run. Ran a guide shoe and an aluminum baffle plate 1 jt above the guide shoe @ 184'. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt. CENTRALIZERS @ 218', 140', 100', & 56'. Total: 4
7" Intermediate	DISPLACED W/ 118 BBLs. FRESH WATER. CENTRALIZERS @ 2943', 2866', 2780', 2697', 2610', 2525', 213', 85', 43'. TURBOLIZERS @ 2482', 2438', 2395', 2352'. Total: 9 Total: 4
5.5" Liner	4-Nov-04: Ran 6-1/16" OD bladed shoe w/ float valve on btm of liner. Ran liner w/ TIW H-Latch Drop Off Tool (no liner hanger).
Perforations	5-Nov-04: Perforated 5-1/2" liner with guns on E-line at 4 spf, 0.75" diameter, 120 degree phased holes. Perf. Intervals: 2983'-2989', 2992'-2995', 2996'-3002', 3004'-3008', 3020'-3032', 3034'-3044', 3085'-3090', 3094'-3099'. TOTAL SHOTS = 204.
Tubing	5-Nov-04: Ran 30.60' x 2-7/8" EUE 8rd box Orange Peeled Mud Anchor with eight each 0.25" x 8" slots just below the upset, 2-7/8" x 2-3/8" EUE 8rd crossover collar, 2-3/8" expendable check, 2-3/8" OD (1.78" ID) F-Nipple, 1 ea 2-3/8" x 4" pup jt + 99 jts 2-3/8" 4.7# J-55 EUE 8rd tubing. Bottom of Mud Anchor at 3161'. F-Nipple at 3129' MD RKB.
Pump & Rods	6-Nov-04: Ran 12" long strainer attached below insert pump with 3 ea 25" x 1-1/4" OD sinker bars on top of pump 121 ea 3/4" OD rods, spaced out with 4' - 6' - 8' x 3/4" OD pony rods & 1 ea 1-1/4" OD x 22' polished rod and with 2' pony rod on top of polish rod. Set pump in F-Nipple at 3129' MD RKB