

ConocoPhillips

END OF WELL SCHEMATIC

Well Name: San Juan 32-8 # 256A
 API #: 30-045-31669
 Location: 730' FSL & 1240' FEL
Sect 25 - T32N - R8W
San Juan County, NM
 Elevation: 6922 GL (above MSL)
 Drl Rig RKB: 13' above Ground Level
 Datum: Drl Rig RKB = 13' above GL

Spud: 22-Jul-2003Release Drl Rig: 26-Jul-2003Move In Cav Rig: 31-Aug-2003Release Cav Rig: 20-Sep-2003

Surface Casing Date set: 22-Jul-03
 Size 9 5/8 in
 Set at 235 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 235 ft
 TD of 12-1/4" hole 245 ft

Notified BLM @ 19:19 hrs on 20-Jul-2003
 Notified NMOCD @ 18:16 hrs on 20-Jul-2003

Intermediate Casing Date set: 26-Jul-03
 Size 7 in 84 jts
 Set at 3463 ft 0 pups
 Wt. 20 ppf Grade J-55
 Hole Size 8 3/4 in Conn STC
 Excess Cmt 150 %
 T.O.C. SURFACE

Csg Shoe 3463 ft
 TD of 8-3/4" Hole 3470 ft

Notified BLM @ 4:48 hrs on 24-Jul-2003
 Notified NMOCD @ 4:50 hrs on 24-Jul-2003

Production Liner Date set: 16-Sep-03
 Size 5 1/2 in
 Blank Wt. 15.5 ppf
 Grade J-55 Connections: LTC
 # Jnts: 10
 Hole Size 6 1/4 in
 Btm of Liner 3812 ft
 Top of Liner 3372 ft

PBTD / Top of Bit Sub: 3810
 Bottom of Liner / Bottom of 6-1/4" Bit: 3812

☒ New
☐ Used

☒ New
☐ Used

☒ New
☐ Used

TD 3,860 ft

Trash Cap
 7-1/16" 3M x 2-9/16" 5M Adapter Flange
 11" 3M x 7 1/16" 3M Tubing Head
 9-5/8" 8 RD x 11" 3M Casing Head

Surface Cement

Date cmt'd: 22-Jul-03
 Lead : 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: 15.3 bbls fresh wtr
 Bumped Plug at: 10:20 hrs w/ 300 psi
 Final Circ Press: 100 psi @ 0.5 bpm
 Returns during job: YES
 CMT Returns to surface: 15 bbls
 Floats Held: No floats used
 W.O.C. for 11.5 hrs (plug bump to csg pressure test)

Intermediate Cement

Date cmt'd: 26-Jul-03
 Lead : 440 sx Class G Cement
+ 3% D079 Extender
+ 0.25 lb/sx D029 Cellophane Flakes
+ 0.2% D046 Antifoam
2.61 cuft/sx, 1148.4 cuft slurry at 11.7 ppg
 Tail : 105 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, 133.4 cuft slurry at 13.5 ppg
 Displacement: 138.5 bbls
 Bumped Plug at: 04:03 hrs w/ 1900 psi
 Final Circ Press: 680 psi @ 2 bpm
 Returns during job: YES
 CMT Returns to surface: 18 bbls
 Floats Held: ☒ Yes ☐ No

UNCEMENTED LINER**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/ 100 psi and WOC before backing out landing jt.
Starting Head Flange was positioned 7 inches BELOW GROUND LEVEL when installed.
 Intermediate: Displaced cement on 7" job with 20 bbls fresh water plus 118.5 bbls mud for a total of 138.5 bbls total displacement.
 Production: Ran a bit, float sub & float on btm of 5.5" liner. Ran a hydraulic liner hanger - Unable to get liner to TD.
Perforated 5-1/2" liner. Ran 2-7/8", 6.5#, J-55 EUE 8rd, tubing with mud anchor, perf jt, & F nipple (EOT at 3808' MD RKB)
This configuration gives the option to either flow the well or set a pump in the F nipple to pump water up the tbg.

CENTRALIZERS:

Surface: CENTRALIZERS @ 225', 147', 103', & 59'. Total: 4
 Intermediate: CENTRALIZERS @ 3453', 3379', 3295', 3213', 3131', 3048', & 201'. Total: 7
TURBOLIZERS @ 2718', 2677', 2636' Total: 3