

ConocoPhillips

END OF WELL SCHEMATIC

Well Name: SAN JUAN 29-6 # 89F

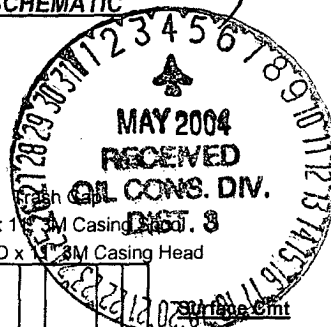
API #: 30-039-27520

RKB TO GROUND LEVEL: 13 FT

ALL DEPTHS ARE FROM RKB

Spud: 7-Jan-2003

Release: 19-Jan-2004



11" 3M x 1" 3M Casing Head
9-5/8" 8 RD x 1" 3M Casing Head

Surface Casing Date set: 8-Jan-03
Size 9 5/8 in
Set at 239 ft # Jnts: 5
Wt. 32.3 ppf Grade H-40
Hole Size 12 1/4 in Conn STC
Wash Out 150 % Csg Shoe 239 ft
Est. T.O.C. 0 ft TD of surface 239 ft

☒ New
☐ Used

Notified BLM @ _____ hrs on _____
Notified NMOCD @ _____ hrs on _____

Intermediate Casing Date set: 14-Jan-03
Size 7 in
Set at 3672 ft # Jnts: 89
Wt. 20 ppf Grade J-55
Hole Size 8 3/4 in Conn STC
Wash Out 150 % Csg Shoe 3672 ft
Est. T.O.C. SURFACE TD of intermediate 3672 ft

☒ New
☐ Used

Notified BLM @ _____ hrs on _____
Notified NMOCD @ _____ hrs on _____

Production Casing Date set: 19-Jan-04
Size 4 1/2 in
Wt. 11.6 ppf Grade: I-80 from 13 to 8019 ft
Hole Size 6 1/4 in Conn LTC
Wash Out: 50 % # Jnts: 190
Est. T.O.C. _____
Marker Jt: 5156' - 5176'
Marker Jt: 7620' - 7640'
Marker Jt: _____

☒ New
☐ Used

Top of Float Collar 8019 ft
Csg Shoe 8019 ft

TD 8,019 ft

Surface Cmt Date cmt'd: 8-Jan-03
Lead: 150 sx 50/50 POZ: Standard
+ 2% Bentonite + 3% CaCl2
+ 5 lb/sx Gilsonite + 0.25 lb/sx Cello-Flake
+ 0.2 CFR-3, Yield = 1.34 cuft/sx
201 cuft slurry mixed at 13.5 ppg
Displacement: 15.0 bbls Fresh Wtr
Bump Plug: 19:54 hrs w/ 225 psi
Final Circ Pressure: 70 psi @ 1 bpm
Returns during job: Yes
CMT Returns to surface: 6 bbls
Floats Held: No floats run
W.O.C. for 13.5 hrs (plug bump to test casing)

Int. Cement Date cmt'd: 14-Jan-03
Lead: 370 sx Standard Cement
+ 3% Econolite + 10 lb/sx PhenoSeal
2.88 cuft/sx, 1064 cuft slurry at 11.5 ppg
Tail: 220 sx 50/50 POZ: Standard Cement
+ 2% Bentonite
+ 6 lb/sx PhenoSeal
1.33 cuft/sx, 293.0 cuft slurry at 13.5 ppg
Displacement: 146 bbls Fresh Wtr
Bumped Plug at: 15:52 hrs w/ 1550 psi
Final Circ Pressure: 980 psi @ 1.5 bpm
Returns during job: Yes
CMT Returns to surface: 15 bbls
Floats Held: X Yes No
W.O.C. for 8 hrs (plug bump to test casing)

Prod. Cmt Date cmt'd: 19-Jan-04
480 sx 50/50 POZ: Standard Cement
+ 3% Bentonite + 0.2 % CFR-3
+ 0.1% HR-5 + 0.8% Halad-9
+ 5 lb/sx PhenoSeal
1.45 cuft/ sx, 696 cuft slurry at 13.1 ppg
Displacement: 124 bbls 2% KCL water
Bumped Plug at: 10:08 hrs w/ 2000 psi
Final Circ Pressure: 1325 psi @ 2 bpm
Returns during job: No (None Planned)
CMT Returns to surface: _____
Floats Held: Yes
Mud Wt. @ TD AIR ppg

COMMENTS:

Surface: No float equipment run. Ran guide shoe and aluminum baffle plate 1 ft above guide shoe.
Intermediate: Lost ~2000 bbls fluid in the Fruitland Coal
Production: The 6-1/4" hole was air drilled and was filled with air when the prod csg was cmt'd. Therefore there were no returns during cmtng.

CENTRALIZERS:

Surface: Centralizers @ 218', 194', 150', & 107' Total: 4
Intermediate: Centralizers @ 3651', 3628', 3546', 3464', 3381', 3299', and 201' Total: 7
Turbolizers @ 2804', 2763', 2721' & 2681' Total: 4
Production: No centralizers run on production casing Total: none