

**TOPSET SIDETRACK  
END OF WELL SCHEMATIC**

Well Name: SAN JUAN 29-6 109  
API #: 30-039-27529

Spud Date: 3/4/2004  
Spud Time: 0530 HRS

TD Date: 3/16/2004  
Rig Release Date: 3/17/2004

**Surface Casing**Date set: 5-Mar-04

Size 9 5/8 in  
Set at 235 ft # Jnts: 5  
Wt. 32.3 ppf Grade H-40  
Hole Size 12 1/4 in  
Wash Out 125 %  
Est. T.O.C. SURFACE

Csg Shoe 235 ft  
TD of surface 237 ft

Notified BLM @ \_\_\_\_\_ hrs  
on \_\_\_\_\_  
Notified NMOCD @ \_\_\_\_\_ hrs  
on \_\_\_\_\_

**Intermediate Casing**Date set: 13-Mar-04

Size 7 in # Jnts: 83  
Set at 3042 ft # pups: 0  
Wt. 20 ppf Grade J-55  
Hole Size 8 3/4 in  
Wash Out 175 %  
Est. T.O.C. SURFACE  
Pup @: NA ft

Csg Shoe 3618 ft  
TD of intermediate 3618 ft

Notified BLM @ \_\_\_\_\_ hrs on \_\_\_\_\_  
Notified NMOCD @ \_\_\_\_\_ hrs on \_\_\_\_\_

**Production Casing**Date set: 17-Mar-04

Size 4 1/2 in # Jnts: 181  
Wt. 11.6 ppf Grade I-80 from 13 to 7816 ft  
Hole Size 6 1/4 in Conn LTC  
Wash Out: 50 %  
Est. T.O.C. \_\_\_\_\_  
Marker Jt: 4850' - 4870'  
Marker Jt: 7445' - 7455'  
Marker Jt: 7455' - 7465'

Top of Float Collar 7814 ft  
Csg Shoe 7816 ft

TD 7816 ft

11" 3M x 7 1/16" 5M Tubing Head  
9-5/8" 8 RD x 11" 3M Casing Head

**Surface Cmt**Date cmt'd: 5-Mar-04

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: 14:04 hrs w/ 400 psi  
Final Circ Pressure: 60 psi @ 2 bpm  
Returns during job: Yes  
CMT Returns to surface: 5 bbls  
Floats Held: No floats run  
W.O.C. for 8 hrs (plug bump to test casing)

**Int. Cement**Date cmt'd: 13-Mar-04

Lead : 375 sx Standard Cement  
+ 3% Econolite + 10 lb/sx PhenoSeal  
2.88 cuft/sx, 1094.0 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: 144 bbls Fresh Wtr  
Bumped Plug at: 00:30 hrs w/ 1500 psi  
Final Circ Pressure: 950 psi @ 2 bpm  
Returns during job: Yes  
CMT Returns to surface: 54 bbls  
Floats Held: X Yes \_\_\_ No  
W.O.C. for 9.75 hrs (plug bump to test casing)

**Prod. Cmt**Date cmt'd: 17-Mar-04

475 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, 681 cuft slurry at 13.1 ppg  
Displacement: 121 bbls 2% KCL water  
Bumped Plug at: 14:54 hrs w/ 2500 psi  
Final Circ Pressure: 1550 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 jt above guide shoe.  
Intermediate: 8 3/4" HOLE has a S Shaped curve in it due to needing the top of Dakota 310' west of surface location.  
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 @ 215', 190', 146', 103' Total: 4  
Intermediate: Centralizers @ 3597', 3571', 3481', 3392', 3303', 3214' & 209' Total: 7  
Turbolizers @ 2633', 2589', 2544', 2499' & 2455' Total: 5  
Production: No centralizers run on production casing Total: none