

Well Name: **San Juan 29-6 # 210A**

API #: 30-039-27835

Location: 532' FNL & 2095' FWL

Sec. 20 - T29N - R6W

Rio Arriba County, NM

Elevation: 6415' GL (above MSL)

Dri Rig RKB: 13' above Ground Level

Datum: Dri Rig RKB = 13' above GL

Spud: 17-Sep-04

Release Dri Rig: 20-Sep-04

Move In Cav Rig: 17-Dec-04

Date TD Reached: 19-Dec-04

Release Cav Rig: 27-Dec-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: 18-Sep-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 Conn STC

Excess Cmt 125 %

T.O.C. SURFACE

Csg Shoe 235 ft

TD of 12-1/4" hole 245 ft

Notified BLM @ hrs on

Notified NMOCD @ 20:38 hrs on 16-Sep-04

Intermediate Casing Date set: 20-Sep-04

Size 7 in 70 jts

Set at 3011 ft 0 pups

Wt. 20 ppf Grade J-55

Hole Size 8 3/4 in Conn STC

Excess Cmt 160 % Top of Float Collar 2966 ft

T.O.C. SURFACE Bottom of Casing Shoe 3011 ft

Pup @ ft TD of 8-3/4" Hole 3018 ft

Pup @ ft

Notified BLM @ hrs on

Notified NMOCD @ 08:17 hrs on 19-Sep-04

Production Liner Date set: 22-Dec-04

Size 5 1/2 in

Nominal Wt. 15.5 ppf

Grade J-55

Jnts: 9

Hole Size 6.25 / 9.5 inches

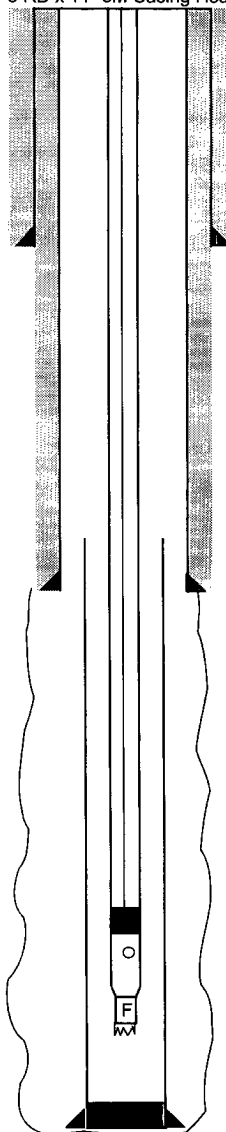
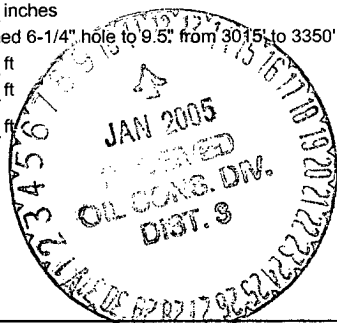
20-Dec-04: Underreamed 6-1/4" hole to 9.5" from 3015' to 3350'

Top of Liner 2956 ft

PBTd 3349 ft

Bottom of Liner 3350 ft

This well was NOT cavitated.



TD 3,350 ft

Surface Cement

Date cmt'd: 18-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: 15.0 bbls fresh wtr

Bumped Plug at: 04:45 hrs w/ 300psi

Final Circ Press: 175 psi @ 2.7 bpm

Returns during job: YES

CMT Returns to surface: 15 bbls (84.2 cuft)

Floats Held: No floats used

W.O.C. for 4.00 hrs (plug bump to start NU BOP)

W.O.C. for 8.00 hrs (plug bump to test csg)

Intermediate Cement

Date cmt'd: 20-Sep-04

Lead : 390 sx Class G Cement

+ 3% D079 Extender

+ 0.25 lb/sx D029 Cellophane Flakes

+ 0.2% D046 Antifoam

2.61cuft/sx, 1017.9 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 Gilsonite

+ 0.25 lb/sx D029 Cellophane Flakes

+ 0.2% D046 Antifoam

1.27 cuft/sx, 127 cuft slurry at 13.5 ppg

Displacement: 121 bbls

Bumped Plug at: 16:05 hrs w/ 1300 psi

Final Circ Press: 800 psi @ 2.0 bpm

Returns during job: YES

CMT Returns to surface: 40 bbls (224.6 cuft)

Floats Held: X Yes ___ No

UNCEMENTED LINER

Schematic prepared by:
Steven O. Moore, Drilling Engineer
03-Jan-2005

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 @ 190'. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt. CENTRALIZERS @ 225', 147', 103', & 59'. Total: 4
7" Intermediate	DISPLACED W/ 20 BBLs. FRESH WATER AND 101 BBLs SLIGHTLY POLYMERIZED 8.4PPG DRILLING MUD. CENTRALIZERS @ 3000', 2922', 2835', 2749', 2663', 211', 82', 39'. Total: 8
	TURBOLIZERS @ 2576', 2533', 2490', 2449'. Total: 4
5.5" Liner	22-Dec-04: Ran bladed shoe w/ float valve on btm of liner. Ran liner w/ TIW H-Latch Drop Off Tool (no liner hanger).
Perforations	22-Dec-04: Perforated 5-1/2" liner with guns on E-line at 4 spr, 0.75" diameter, 120 degree phased holes Perfs: 3034'-3038', 3064'-3068', 3080'-3084', 3086'-3090', 3106'-3112', 3122'-3128', 3134'-3158', 3204'-3206', 3208'-3216', 3218'-3222', 3224'-3226', 3230'-3238', 3242'-3256', 3260'-3266'. TOTAL SHOTS = 384.
Tubing	23-Dec-04: Ran 2-1/16" notched collar, 2-1/16" OD x 1.50" ID Seating Nipple, 2-1/16" x 2-3/8" crossover, 2-3/8" OD mud anchor joint with 1/2" hole drilled just below the upset, 2-3/8" OD (1.78" ID) F-Nipple, 105 jts 2-3/8" 4.7# J-55 EUE 8rd tubing. Bottom of Notched Collar at 3342', 2-1/16" OD x 1.5" ID Seating Nipple at 3342'. 2-3/8" OD x 1.78" ID F-Nipple at 3308'.
Pump & Rods	23-Dec-04: Ran 12" long strainer attached below 1-1/4" insert pump with 3 ea 25' x 1-1/4" OD sinker bars on top of pump 128 ea 3/4" OD rods, 1 ea 8" and 1 ea 6" & 1 ea 4' x 3/4" OD Rod Subs, & 1 ea 1-1/4" OD x 22' polished rod Set pump in F-Nipple at 3308' MD RKB