

# Gruy Petroleum Well History Report

WellName White Baby Com #3  
 Operated Yes  
 OpName Drilling  
 AreaGroupName South Carlsbad

## ReportDate ReportText

5/23/02 PO: Mixing spud mud.  
 Well was staked by John West Engineering Co. on 1/30/02 (1980' FSL & 660' FEL Sec16 - T24-S - R26-E). Location, road & pits were built by B&H Maintenance & Construction, Inc. (5/15/02 to 5/20/02). Plastic lined the reserve pit & put water in pits to hold down plastic on 5/19/02. Set 20" x 19 1/2" conductor pipe at 40' GL & cemented with ready mix cement, dug rat & mouse holes + 3 sump holes on 5/20/02 to 5/21/02. MIRU Patterson-UTi Drilling Rig #80 on 5/22/02, welded flow nipple on conductor pipe - mixed spud mud.

5/24/02 Depth: 447'; Progress: 447'; PO: WOC to run temp survey. MW 8.4; MV 28; Formation: limestone.  
 Drill from 58' to 90' (Spud 17 1/2" Hole at 5:00 AM 5/23/02) - lost circulation at 90'. Pump LCM pill - no circulation. Drill from 90' to 289' - no circulation. WLS @ 239' = 1/4 deg. Drill from 289' to 447' TD- no circulation - (Reached TD of 17 1/2" hole at 6:00 PM 5/23/02). Pump 50 bbl. Gel & LCM sweep & circulate with no returns. POOH - looked down well & could see water moving about 30' below the base of the conductor pipe. RU casing crew & ran a 13 3/8" Hall. Tex. Pat. Shoe (.66'), 1 jt. 13 3/8" 48# H-40 8rd ST&C csg. (45.10'), 13 3/8" Hall. FC (.87') & 7 Jts 13 3/8" 48# H-40 8rd ST&C csg. (314.94') - total pipe = 361.60' set @ 357' KB ran 4 Hall. Cent.: 342', 220', 130' & 41' - had to work & wash down every jt. of csg. past 90' - couldn't make any further progress past 357' - called the NMOCD & talked w/ Van Barton - received verbal permission to cement casing at 357' - also had a lot of problems with the make up of the casing. RU Halliburton & cemented 13 3/8" csg. (SEE NOTES). WOC to run temperature survey.

5/25/02 Depth: 477'; Progress: 0'; PO: ANU BOP & Choke manifold.  
 WOC to run temperature survey - ran temperature survey with Pro Wireline - tagged cement inside 13 3/8" casing at 293' DF - TOC outside 13 3/8" casing at 90' DF. Cement down 1" tubing, down backside in 5 stages: tag cement @ 90' - cement with 50 sx Class "C" + 3% CaCl - wait 2 hrs. & tagged cement @ 90' - cement with 50 sx Class "C" + 3% CaCl - wait 1 1/2 hrs. & tagged cement @ 85' - cement with 50 sx Class "C" + 3% CaCl - wait 1 1/2 hrs. & tagged cement @ 80' - cement with 50 sx Class "C" + 3% CaCl - wait 3 hrs. & tagged cement @ 45' - cement with 25 sx Class "C" neat cement - circulated cement to surface - Gerry Guye w/ the NMOCD witnessed the 1st 3 - 1" jobs. Cut off 20" conductor pipe & 13 3/8" casing - welded on a 13 3/8" SO X 13 5/8" 3,000# braden head & tested welds to 500# for 30 mins. - OK. NU 13 5/8" 5,000# BOP & choke manifold.

5/26/02 Depth: 930'; Progress: 483'; PO: Drilling. MW 9.9; MV 29; Formation: anhydrite.  
 NU 13 5/8" 5,000# BOP & choke manifold & test BOP blind rams to 500# - OK. TIH with 12 1/4" mill tooth bit - no reamers - tagged up at 293' - tested BOP pipe rams, 13 3/8" casing & well head to 500# - OK. Drilled cement, wiper plug, float collar, cement & shoe & washed down from 357' to 447' - no problems. Pull up & LD 2 jts. DP & run the 1 last stand of DC's from derrick. Drill from 447' to 490' with 25,000# bit weight & 45 RPM (back on formation at 11:00 AM 5/25/02). Trip out & LD the 12 1/4" mill tooth bit - TIH with the 12 1/4" button bit & BHA (Bit # 2 12 1/4" retip Smith FDSS+, Serial number LG1829, 3-13's, in @ 447', out @ 490', cut 43' in 3 hrs., condition T1 B1 in gauge). Drill from 490' to 589'. WLS @ 544' = 1 deg. Drill from 589' to 930'.

5/27/02 Depth: 1,630'; Progress: 700'; PO: Drilling. MW 9.9; MV 29; Formation: salt & anhydrite.  
 Drill from 930' to 972'. WLS @ 932' = 2 deg. Drill from 972' to 1,062'. Service rig. Drill from 1,062' to 1,252'. WLS @ 1,207' = 2 deg. Drill from 1,252' to 1,506'. WLS @ 1,461' = 1 1/4 deg. Drill from 1,506' to 1,630'.

5/28/02 Depth: 2,350'; Progress: 720'; PO: Drilling. MW 10; MV 29; Formation: salt & anhydrite.  
 Drill from 1,630' to 1,984'. WLS @ 1,939' = 3/4 deg. Drill from 1,984' to 2,350'.