

FOR APPROVED  
OMB NO. 1004-0137  
Expires: December 31, 1991

NASSAU RESOURCES, INC.  
CARRACAS UNIT 10 B #15

ITEM #28

Cemented 9-5/8" casing as follows: 215 sx of Class "B" cement with 2% CaCl (254 cu.ft.).

Centralizer and turbolizer schedule: centralizer jts. 1-10; centralizer jts. 12, 14, 16, 18, 20; turbolizer jts. 22, 23, 24, 25; centralizer jts. 26, 28, 33, 38, 43, 80, 84.

Cemented 5-1/2" casing as follows: First stage - 10 bbls. chemical wash followed by 159 sk 50/50 poz, 2% gel, 1/4#/sk D-29 (220 cu.ft.) Plug didn't bump after 77 bbls. displacement. Shut down. Dropped bomb and opened DV tool. Circulated 2 hours. 2nd stage - 10 bbls. mud flush followed by, 315 sk of 65/35 poz, 12% gel, 1/4#/sk D-29, 75 sk 50/50 poz, 2% gel, 1/4#/sk D-29, 1/4#/sk DA-2 (824 cu.ft.) Total of 1044 cu.ft. for both stages. Full returns throughout job. Plug bumped and held. Didn't circulate cement to surface. Cement top 1st stage 2980'.

Cement squeeze:

- 10-6-94 TIH with Schlumberger perforating gun and GR log.  
Perforated 2 shots at 2950'.  
TOH. Established a rate of 2.6 BPM at 1160 psi.  
TIH with wireline cement retainer and set at 2810'.  
TOH with wireline.  
TIH with 2-7/8" tubing and stinger and stung into retainer. Stacked out on retainer.  
Established injection rate of 2.3 BPM at 1180 psi.  
Started cement; mixed 75 sks Class "G" with 0.5% D56 and 0.2% D65 to a yield of 1.16 cu.ft. per sk. (total of 15.5 bbls. = 87 cu.ft.)  
After cement was mixed, shut down and washed lines and started displacement.  
Displaced cement with 16-1/4 bbls. water.  
Shut down. Stung out and reversed out tubing.  
Stung in, started squeezing:  
1st squeeze 1/2 bbl. - built to 1400 psi, shut down  
2nd squeeze 1/2 bbl. - built to 1650 psi  
3rd squeeze 1/2 bbl. - built to 1700 psi  
4th squeeze 1/2 bbl. - built to 1800 psi  
End of job.  
Stung out. TOH. Shut in over night.
- 10-7-94 TIH with bit and drilled retainer (2-1/2 hrs.) at 2810'.  
Drilled up fallen retainer on top of cement at 2888'.  
Drilled cement to 2958'.  
Pressure tested squeeze to 3000 psi for 10 min.  
Held OK. Shut in over night.
- 10-10-94 TIH with Petro Wireline and ran bond log to DV tool from PBD of 3206'. Good bond over squeeze.