



Department of Natural Resources Interoffice Memorandum

May 19, 1981

TO: Permit 1033 Well Files  
 FROM: Charles H. Tootle *C.H.T.*  
 SUBJECT: Summary of setting surface casing on Amoco Production Company's Gilman Paper Company Well 22-2 in Madison County, Florida.

1. RKB to ground surface is 21 feet.
2. Drove 30" casing to 117'.
3. Drove 20" casing to 145'.
4. Spud in April 27, 1981.
5. Drilled all the way to 2,115' with lost returns.
6. Ran only a dual induction resistivity log in surface hole (no porosity log was run).

Depth (ft.)	Log Resist. (ohm-meters)	Temp. (°F)	Porosity* (%)	Water Resist. (ohm-meters)	Chloride Content (ppm)
800	200	88	25	12.5	less than 500
840	130	88	25	8.13	500
900	40	89	25	2.50	1,800
2,000	0.83	100	30	0.075	75,000

\*Porosity data was estimated.

8. Ran 49 joints of 13 3/8", K-55, 68 lbs./ft., Lone Star Casing with buttress threads and set @ 2,115'.
9. (a) Primary Cementing Job: Ran 875 sacks of Halliburton Lite Weight Cement plus 3% Econolite (lost circulation additive). Density of cement was 11.2 ppg. Followed with 775 sacks of Class H Cement. Density of cement was 15.6 ppg. Had no returns.
- (b) Stage One: Ran 1" pipe to 200' (did not tag up) and emplaced 200 sacks of Class H Cement which had Gilsonite and other loss circulation additives. Had no returns.

- (c) Stage Two: Ran 1" pipe to 140' (tagged up) and emplaced 125 sacks of Class H Cement which had Gilsonite and other lost circulation additives. Had partial returns (only water) but lost circulation.
- (d) Stage Three: Ran 1" pipe to 135' (tagged up) and emplaced 80 sacks of Class H Cement which had Gilsonite and other lost circulation additives. Had cement returns with a density of 10.6 ppg.

NOTE: The Primary Cement Job had 100% of excess cement above that required to fill the 13 3/8" X 17 1/2" annulus.

10. Had difficulty getting a logging truck. Approximately 42 hours had elapsed since mixing the first cement. Ran temperature log (at the request of Amoco's Lafayette, LA office) and obtained a log that could not be interpreted. Ran a cement bond log and found only a partial bond below 1,500' (which was the Class H Cement in the Primary Cementing Job). The remainder of the cement had not had sufficient time for it to obtain a set.
11. Amoco will re-run a cement bond log before they set the next string of casing. Also, the necessary remedial perforating and squeezing will be done at that time, if dictated by the re-run cement bond log.

CHT/gm

xc: David Curry