

# CONDENSED DRILLER'S LOG

## Geological Tops:

Chalk	4,060'	(-3,797)
Eutaw	5,487'	(-5,224)
L. Tusc.	5,580'	(-5,317)
Bs Ferry Lake	10,145'	(-9,882)
Cotton Valley	12,560'	(-12,297)
Haynesville	15,336'	(-15,073)
Smackover	16,580'	(-16,317)

*Wapshott*

*16,850 est.*

( )

*43 7/10 1/8*

FILE  
in w well  
GO, No 1-Sherrill Well  
Permit # 485

TELEPHONE MEMORANDUM

DATE: Friday, September 10, 1971

CALL FROM: Mr. Jack Goodin, Southeastern Exploration Company,  
Telephone Number (601) 355-4705

CALL TO: C. V. Babcock

SUBJECT: Procedure for temporary plugging of the Southeastern -  
Signal - GO, No. 1. Sherrill Well, Escambia County

- DISCUSSION: A. Pertinent well data and comments are:
1. Original T. D. 16,656, the operator lost tools which were cemented in hole with the top of hard cement at 16,327 feet. The top of the Smack-over Formation occurred within the interval from 16,327 - 16,656 feet.

The sidetracked hole commenced at 16,099, and continued to the sidetracked T. D. of 16,137 feet.

  2. Seven inch casing was set at 15,450 feet.
  3. A water flow from a zone 10' thick was encountered at 15,812'. All other open hole rock was hard and tight.
  4. There were no gas kicks in the well. He also said he did not know of any shows. The writer heard quite reliably some time ago that there were shows associated with a five foot drilling break (confidential!). The petition for "temporary" abandonment suggests there were shows.
  5. After the temporary plug is set, the operator will circulate out the 15.9-pound mud (valued at \$30/bbl. and there are an estimated 1,000 - 1,200 barrels), and replace it with a water base mud.

The mud which is removed will be used in the drilling by Southeastern of their proposed <sup>third</sup> well in this area.



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- B. The temporary plugging operation will be performed by Halliburton. The proposed operation will be:
1. Set a retainer at the shoe.
  2. Pump through the retainer enough cement to fill the open hole below the casing seat sufficiently that the 10-foot zone (topped at 15,812 feet), from which the water flow emanated, will be covered. This will require a minimum of about 400 feet of cement below the seat. Cement used will contain flour to make it harden despite the salt water base mud.
  3. Set about 300 feet of cement on top of the retainer.
  4. Tag the cement with about 10,000 pounds of drill pipe weight. Mark the weight used in the tagging operation opposite the Geolograph record corresponding to the tagging operation as documentation of tagging.
- C. The question of when it would be necessary for the hole to be permanently plugged was discussed. Mr. Goodin stated that if the company finds commercial oil in the additional well in this area which they propose to drill, then it might be more than six months before an attempt to deepen the No. 1 Sherrill beyond the sidetracked T. D. might be made. But, if the proposed well finds the deeper section to be non-commercial, then the No. 1 Sherrill test could be permanently plugged within six months without undue hardship.

CVB:dh

Southeastern Exploration #1 Sherrill, Escambia County, Florida

Core #2, 16536' - Cut 10", Rec. 8"

Assumed to be the bottom few inches of the foot

16535'-36' and the top few inches of the foot

16536'-37'. Left in hole in core barrel for two weeks while fishing.

16536' - (8") - Ls, dk gry-brn, vf xln, succ, even texture, w/occ anhy grains, poor-fair por, no apparent sho.

Core #3, 16536'-16581', Cut 45', Rec. 39'

16536'-38' - Anhy, wht-dk gry, lt gry-wht globules ( $\frac{1}{2}$ " - 1") Rounded-sli angular in dk gry matrix

16538'-42' - Ls, gry-brn, vf xln, even texture, vf xln anhy evenly distributed throughout, poor por., no sho.

16542-43' - Ls, gry-brn, vf xln, w/50-75% anhy, lt gry-wht globules ( $\frac{1}{4}$ " - 1") rounded-sli angular, poor por, no sho.

16543'-67' - Anhy, wht-gry, massive, xln, lt gry-wht subrounded globules in dk gry matrix at 43'-45' and in occ 2" zones at 45'-49' and 65' to 67'

16567'-75' - Ls, gry-brn, vf xln to micro xln, even texture, vf xln anhy evenly distributed throughout, poor por, no sho.

16575'-81' - No recovery

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Southeastern Exploration Company  
#1 Sherrill  
Escambia County, Florida

Core #4, 16581'-16635', Cut 54', Recovered 53.5'

- 16581'-16630' - Ls, lt gry-brn, vf xln, styolitic, black paper thin concentrations of ls throughout randomly oriented 1"  $\pm$  diameter, v. scattered anhy globules  $\frac{1}{4}$ "  $\pm$  diameter and a few thin more or less vertical veins of white anhy xls, v. poor por, 1 hour  $\pm$  after breaking fracture bled water w/v. salty taste, no flo, no sho.
- 16630' - 34.5' - Ls, lt gry-brn, F xln, many black paper thin concentrations of ls throughout distorted apparently by compaction, v. scattered  $\frac{1}{4}$ " or less anhy globules, 1 hr.  $\pm$  after breaking fracture bled water w/v. salty taste, v. poor por, no flo, no sho.
- 16634.5-35' - No recovery.