

DST #1 (Cont'd)

	<u>Initial</u>	<u>Final</u>
Flow Pressures	186#/199#	236#/285#
Shut In Pressures	819#	819#
Hydrostatic Pressures	1494#	1384#

LOGS: Schlumberger IES 95' to 3037'.

REMARKS: The #1 Wootten-Champlin 6-31 was drilled with the potential gas bearing Sussex A<sub>2</sub> sand as its objective.

The Sussex sandstones were penetrated, samples examined and logged.

A drill stem test of the Sussex A<sub>2</sub> sand was taken as planned. The test from 2808 to 3038' yielded 625' of muddy brackish water. The fluid recovery was conclusively formation fluid with no show of gas.

The trend of thick Sussex A<sub>2</sub> sandstone from this structural position and downdip to the northwest can reasonably be considered to be water bearing.

Completion (Cont'd)

Plugged as follows:

15 sacks cement @ bottom of surface casing.

10 sacks cement @ top of surface casing.

BIT RECORD

<u>No.</u>	<u>Size</u>	<u>Make</u>	<u>Type</u>	<u>Interval</u>
1	7 7/8	STC	DTJ	95 - 2484
2	7 7/8	HTC	OSC-3S	2484 - 2950

MUD RECORD

Mud Type: Chemical

<u>Date</u>	<u>Depth</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Water Loss</u>
April 29, 1976	2480		44	
April 29, 1976	2700	9.8	85	4.0

ELEVATION

5016.5 G.L.

5028 K.B.

FORMATION TOPS

<u>Formation</u>	<u>Sample</u>	<u>E. Log</u>	<u>Datum</u>
Sussex A <sub>1</sub> Sand		2672	+ 2356
Sussex A <sub>2</sub> Sand		2790	+ 2238
Total Depth	2950'	Driller	3038 E. Log

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SAMPLES

Samples of drill cuttings were taken from 95' to total depth. Sample examinations were made on location from 2600 to total depth.

SAMPLE DESCRIPTIONS

(Corrected to Electric Log)

- |              |   |
|--------------|---|
| 2580 - 2670' | Sh, sft, dk gry-blk, bent; sltst, sft, gry, bent; stks ss, sft, gry, S&P, vvf-vfgr, v slty, glauc, v shy, tg. |
| 2670 - 2730' | Sh a.a.; sltst, sft, gry, shy; Ss, sft, vvf-vfgr, S&P, rounded, glauc, v slty & shy, occ cal, tg.             |
| 2730 - 2790' | do; less ss and finer gr.   |
| 2790 - 2890' | Ss, sft, much lse grs, gry, S&P, vfgr, SR, glauc, v shy & slty, v low P&P, no shows.                          |
| 2890 - 2930' | Sh, sft, dk gry-blk, v slty & bent; much less ss, a.a.  |
| 2930 - 3010' | Sh, sft, dk gry-blk, v slty, pyr, bent, shells, sltst, sft, gry.  |
| 3010 - 3040' | Sh & sltst a.a.; ss, sft, gry, S&P, vvf-vfgr, SR, glauc, v slty & shy, tg.                                    |

CORES: None Taken

DRILL STEM TESTS

DST #1: 2808 - 3038  
30/60/60/120  
Fair blow initially and throughout test.  
Recovered: 625' muddy brakish water.  
(Rw.85 @ 65° 7500 PPM cl)

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