



WELL HISTORY

June 11, 1971

12,

Moving in materials.

Spud @ 7:00 p.m. 6/11/71. Drilled 110' of 12 $\frac{1}{4}$ " hole.

Set 93' of 8-5/8" @ 104' w/80 sacks. Plug down@

9:00 p.m. Waiting on cement and work on rig.

13,

Working on rig.

14,

Drilled plug @ 2:00 a.m. 6/14/71. Drilling @ 414'.

15,

Drilling @ 3040'.

16,

Drilling @ 4438'.

17,

Tripping @ 5297'.

18,

Tripping @ 5704'. 9.7Wt. 43 Vis. 5.9 W.L.

19,

Circulating before trip @ 6078'.

20,

Waiting on orders @ 6153 T.D. Logged by Dresser-Atlas.

SAMPLE DESCRIPTION

5900-5950

Shale, dark gray to black, silty in part, with trace pyrite and bentonite, white and light gray

5950-5990

As above

TOP D SAND 5994' DRILLER; 6000' LOG

5990-6010

As above, and trace sandstone, fine grain, light gray, sub-rounded, fair sorting, clay filled, very low porosity, trace glauconite, no stain or fluorescence, very bentonitic

6010-6015

Shale, as above, and trace sandstone, as above, no show, and siltstone, gray, with trace glauconite, very bentonitic

6015-6020

Shale and siltstone, as above, and trace sandstone, fine grain, white, subangular, very well cemented, dense, with trace carbonaceous fragments and glauconite, no porosity, no show, and trace sandstone, fine grain, white, subrounded, clay filled, very low porosity, trace carbonaceous material, no stain or fluorescence, with bentonite

6020-6025

As above

TOP J SAND 6040' DRILLER; 6047' LOG

6025-6040

As above, and trace sandstone, as above, no show

6040-6050

Shale and siltstone, as above, and sandstone, fine grain, gray, very dirty, shaley, clay filled, very low porosity, no show, with increase in pyrite

6050-6060

Sandstone, fine grain, white, subrounded, fair sorting, some clay material, slightly argillaceous, very glauconitic, low porosity, fair uniform fluorescence and stain in 30%, bleeding gas, friable, and soft

6060-6065

Sandstone, fine grain, white, subrounded, fair sorting, clay filled, very glauconitic with carbonaceous inclusions, very low porosity, no show, and sandstone, fine grain, white, subangular, well cemented, dense, trace carbonaceous material, N/S

6065-6070

Sandstone, as above, and shale, dark gray

6070-6075

As above, and trace sandstone, fine grain, subangular, fair sorting, low porosity, well cemented, trace glauconite, no stain or fluorescence

6075-6078

(Circ) Sandstone, fine grain, white, subrounded, fair to good sorting, clay filled, with numerous carbonaceous partings, and fossil fragments, very low porosity, N/S

SAMPLE DESCRIPTION (CONT.)

6078-6090 Trace sandstone, as above, N/S, and sandstone, fine to medium grain, gray, very dirty, pyritic, with clay material, very low porosity, N/S

6090-6095 Trace sandstone, as above, and siltstone, gray, very shaley, and trace sandstone, fine grain, gray to tan, very dense, hard, no porosity, no stain or fluorescence, and trace sandstone, as above, with trace porosity, very dull fluorescence

6095-6100 Sandstone and siltstone, as above, less than 10% with show

6100-6105 Sandstone and siltstone, as above, N/S, and trace sandstone, fine grain, gray to white, clay filled, very low porosity, N/S, and shale, gray

6105-6140 As above

6140-6153 (Circ) As above

BIT RECORD

<u>No.</u>	<u>Make</u>	<u>Type</u>	<u>Size</u>	<u>From-To</u>	<u>Feet</u>	<u>Hours</u>
1	Smith	DT	7-7/8	110-2869	2759	16
2	Smith	DT	7-7/8	-3957	1088	15
3	Smith	DT	7-7/8	-5297	1340	25
4	Hughes	OSC-3	7-7/8	-5704	407	11
5	Smith	DT	7-7/8	-6078	374	17
6	Reed	YS4G	7-7/8	-6153	75	11

STRAIGHT HOLE SURVEYS

<u>Depth</u>	<u>Deviation</u>
2869	1
3957	3/4
5297	1/4