6-34S-6E

Cowley Co., Kansas

Lester No. 1

Elev. 1117

SW-SE-SW. 6-34S-6E

Cored 2911-2929. 15 ft. recovery.

2911-2925. Shale.

2925-2926. Chat conglomerate. Spots of oil.

2926-2929. Chat. Irregular patches of good porosity and saturation.

Timing: 20-14-15-15-13-15-16-17-17-17-17-14-17-17-8-5-10-6.

Cored 2929-2938½. Recovered about 1 foot of chert fragments. Fragments very porous and saturated. Oil black, but very live. Dried out light brown. Core pulled at 2938½ on account of core-head wedging.

Timing: 5-4-7-8-6-10-7-4-4-14.

Drilled 2939-2946. Circulated 1 hour at 2946. Returns consisted of chert in all stages of decomposition, the more decomposed fragments being highly porous and saturated. Samples washed oil in sample bucket.

Timing: 6-4-2-1-1-2.

Drilled 2946-2959. Drilled with slow motion and decreased weight. Samples same as 2939-2946. Few fragments of lime (2958-59)

Timing: 5-6-5-4-5-4-3-4-4-4-3-5-10.

Lester

The hole lost mud steadily from the time the chart was topped, until the hole was completed at 2959. Drilling mud was mixed and added steadily, especially before going into the hole with drill bit at 2939. There was only about ½ inch of available mud in the in-take pit when drilling was stopped at 2959 ft. It is estimated that the oil formation absorbed about 3 pits of mud.

A DST was attempted with packer at 2926. The packer would not hold.

A DST was attempted with packer at 2936. The packer would not hold.

The DST operator refused to try again.

Information received from "Stormy" at a much later date:

Owing to heavy rains and deep mud, casing did not reach location until 4½ days after drilling was completed. (Much time was thus allowed for the drilling mud to work into the porous formation).

Hole cleaned out on Nov. 6.

Shut down until 8:00 A.M. Nov. 8

Sand pump showed 5 or 6 ft. of cavings in bottom of hole. Sand pump full of drilling mud.

Swab showed about 200 ft. of oil in hole.

Swab showed water on bottom of swab.

Lester

Hole shot. Shooting record:

Shot 2947-2957 with 10 quarts
Shot 2946-2956 with 10 quarts
Shot 2941-2953 with 30 quarts.

According to this record, the upper 15 feet of the oil formation was not shot. When I insisted that the upper 15 feet must have been shot, "Stormy" blew his top and vehemently informed me that he had given me the complete shot record and that he would not discuss the matter further.

No information was obtained in regard to what happened after the well was shot.

Information received from Lester:

After moving machine in to full pipe, the rig was shut down for a couple of days awaiting material. At Lester's request, the crew rigged up a crude bailer and tested the amount of fluid in the hole, with the following results:

1st day — 1500' of oil and 900' of water
2nd day — 1600' of oil and 900' of water.
3rd day — Oil bubbled over the top of the casing and then flowed over the mast.

The casing had not yet been in any way disturbed.

OWL

Lester Area

Continental-Kavanaugh No. 1
Elev. 1117

Mississippian topped at 2921

2921-2929. Cherty lime.

2929-2936. Chert, soft, decomposed. Good porosity and saturation. Washed oil in sample bucket.

2936-2967. Lime.

Timing (2931-2940): 8-6-7-4-6-6-10-8-5-1-2-2-2-2-2-2-2-9-10-17-13.

Dania Kavanaugh No. 1
Elev. 1117

Mississippian topped at 2925½.

2925½-2926½. Chert conglomerate.

2926½-2929. Chert with small amount of brown lime. Chert showed no leaching or porosity. No odor.

Timing (2920-2929): 4-5-3-4-4-9-21-12-12.

Summit-Waldschmidt
SW cor. 6-34-6
Elev. 1192

Mississippian topped at 3022.

3022-3028. Chert and cherty lime. Chert live, with no porosity. No stains or odor.

Total depth: 3028.

Lester No. 1.
SW-SE-SW 6-34N-6E

Cored 2840-2939½

2840-2926. Shale.
2926-2939½. Chat: Show oil

Cable Tools.
2939½-2958. Chat: Show oil.
2958-2959. Gray lime.

Lester No. 1

Top K. C. 2532

Cored 2929- 2938±.
About 1 ft. of fragments are covered.
Fragments consist of chert in all stages of alteration. Porous portions saturated.

Cable Tools.
2939- 58. Chert in all stages of alteration.
Porous portions saturated.
2958-59. Gray, finely crystalline lime.

Set pipe 2927

Lester No. 1.

Cored 2840-2857.
12½ ft. recovery.
1 ft. 6 in. gray shale.
2 ft. green sandy shale.
5 ft. 6 in. greenish-gray sandy shale.
3 ft. 6 in. dark banded shale.

Cored 2857-2875.
17 ft. 3 in. recovery.
0 ft. 6 in. gray shale.
9 ft. green banded shale. Sandy.
7 ft. 9 in. Black to greenish-black shale.

Cored 2875-2893
16 ft. 6 in. recovery.
3 ft. green sandy shale.
12 ft. 6 in. banded red, green & black shale.
1 ft. dark greenish black shale.

Cored 2893-2911
13 ft. recovery
3 ft. 6 in. greenish black shale.
2 ft. banded red & green shale.
5 ft. black shale.
2 ft. 6 in. grayish-black shale.

Cored 2911-2929.
15 ft. recovery.
7 ft. banded red & dark shale.
1 ft. 6 in. banded red & green shale.
3 ft. brown-black shale. Rotten
0 ft. 8 in. green dirty sand.
1 ft. 4 in. dark gray rotten shale. Very sandy.
1 ft. green soft shale.
1 ft. cherty conglomerate. Oil spots.
4 in. chert fragments. Partly altered & porous.
Oil in porous portions.

OWL