

WELL LOG

Location: SW-NE-SW, Sec. 5-12S-15W
 1090' FEL & 890' FNL of SW/4
 Russell County, KS
 Farm: Caroline Sutton No. 3A
 Company: T.C. Johnson Estate & Sohio Petroleum Co.
 Contractor: Advance Drilling Company
 Commenced: Started rigging up 9-28-34
 Pulled tubing & fish out packer
 Started drilling deeper 10-7-34
 Completed: 11-8-34
 Note: Well completed 5-2-25 for 1,711,102 gas

Casing Record:

Old pipe in hole:
 12½" 400 ft.
 8¼" 1320 ft.
 6-5/8" 2241 ft.
 Run 5" @ 2450 UR to 2510
 UR to 2682
 UR to 2765

Old Total Depth: 2284

Shale	2287-2310
Lime	2310-2318
Shale	2318-2330 hole caving
Lime	2330-2360
Shale, Blue	2360-2370
Shale	2370-2375 hole caving
Lime	2375-2400
Shale	2400-2410
Lime, Soft	2410-2425 6 BW per hour
Shale	2425-2450 run 5-3/16" @ 2450
Lime	2450-2462
Shale	2462-2465
Shale, Blue	2465-2470
Lime	2470-2484
Shale	2484-2490 hole caving
Lime	2490-2510 show oil & gas 2495-2500
Lime	2510-2575 start to UR 5" @ 2510
Shale	2575-2581 hole caving
Lime	2581-2690 15 Bbl. show oil 2684-2690 UR 5" to 2682
	swab down well, made 1 bbl. oil in 3 hours
Lime	2690-2695
Shale & Lime shells	2695-2720
Shale, Blue	2720-2730
Lime, Gray	2730-2734
Shale	2734-2735 UR 5" to 2739'. Pipe M or 2735 cable
Lime	2735-2748 oil. acidize 500 gal. no help
Lime	2748-2750
Red Shale	2750-2760 UR 5" to 2745
Lime, Brown	2760-2770
Shale, Blue	2770-2772
Lime	2772-2809 First oil 2785-2795
Lime, soft	2809-2830 cable measurement 2779-2809 SLM
Total Depth	2830

Estimated 25 barrel well before acidizing.

Acidized 1000 gal. Potential PUmp 43 oil 24 water per day for 4 day average, ending

1:20 p.m. Nov: 17, 1934.

Elevation: 1669'