

15-093-20362

State Geological Survey

DRILLER'S LOG

COMPANY: Gulf Energy & Minerals Company - U.S. SEC. 1 T. 25S R. 37W

LOC. C E/2

WELL NAME: Ratzlaff #1 No. 4-1

COUNTY: Kearny

RIG NO. #2

TOTAL DEPTH 2920'

ELEVATION

COMMENCED: 12-27-76 COMPLETED: 1-2-77

CONTRACTOR: Rains & Williamson Oil Co., Inc.

CASING RECORD:

SURFACE: 8 5/8" @ 612' w/300 sx. 60/40 poz., 6% gel, 3% cc. and 150 sx. Class H, 3% cc.

PRODUCTION: 5 1/2" @ 2919' w/450 sx. 35/65 poz., 6% gel, 1/4" D29 and 200 sx. 50/50 poz., 10% salt, 7500% D65.

LOG

(Figures Indicate Bottom of Formations)

Clay, Sand & Shale	380
Sand	410
Shale	520
Sand	560
Shale	580
Sand	600
Shale	2065
Shale & Lime	2920
<u>ROTARY TOTAL DEPTH</u>	<u>2920</u>

STATE OF Kansas)

COUNTY OF Sedgwick)

SS:

I, Wilson Rains, President of Rains & Williamson Oil Co., Inc.

upon oath state that the above and foregoing is a true and correct copy of the original log.