

FEB 21 1970

22-13-18W

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NE NW NW

ROTARY DRILLING LOG

el. 2087 KB

Operator: Rains & Williamson and
Clinton Oil Company
#4-D BRAUN
Approx. NE NW NW Sec. 22-13S-18W
Ellis County, Kansas

Contractor: Rains & Williamson
Oil Co., Inc.
Commenced: 11-24-69
Completed: 12- 5-69 (Rotary)

Casing: 8-5/8"/592.60'/
200 sx. 50-50 Poz-
mix and 100 sacks
common; 2% gel.

5-1/2"/3633'/175 s
50-50 Pozmix, salt
saturated.

Formations

Surface Dirt with Gravel	30'
Post Rock	45'
Shale with Shells	120'
Shells with Shale	565'
Shale	713'
Shale and Shells	900'
Sand	1005'
Shale	1337'
Anhydrite	1380'
Shale and Shells	1537'
Red Bed with Shale	1930'
Shale and Red Bed	2265'
Shale and Lime	2419'
Lime and Shale	3104'
Lime	3300'
Lime and Shale	3320'
Lime	3634'
Rotary Total Depth	3634'

83 B0

anhydrite 1351
Base " 1388

Arbuckle 3622

We certify the above log is
true and correct, to the
best of our knowledge and
belief.

RAINS & WILLIAMSON OIL CO., INC

William Rains