MAY 31 1969

35-16-21W

WELL LOG

Chief Drilling Co., Inc.
Box 797
Great Bend, Kansas 67530

RYAN #1
150 N&SE SW Sec. 35-16S-21W
Ness County, Kansas

Commenced: 4-2-69
Completed: 4-11-69

Contractor: Chief Drilling Co., Inc.

Casing Record: 8-5/8" set @ 415' w/235 sacks 60/40 Pozmix.

FORMATION	FROM	TO
Clay	0	75
Shale & Sand Streaks	75	416
Shale	416	610
Shale, Sand & Red Bed	610	1485
Anhydrite	1485	1520
Shale, Shells & Sand	1520	1950
Shale & Sand	1950	2269
Lime & Shale	2269	3583
Lime	3583	3646
Lime & Shale	3646	3930
Lime	3930	4093
Shale & Lime	4093	4105
Shale, Lime & Chert	4105	4165
Total Depth	4165	

ELEVATION
2206 Gr.
2208 D.F.
2211 K.B.

prod: Dry

FORMATION TOPS

	SAMPLE	LOG
Anhydrite (driller)	1485	
Heebner	3587	3584 -1373
Toronto	3610	3603 -1392
Lansing	3630	3625 -1414
Base Kansas City	3902	3897 -1686
Pawnee	3985	3984 -1773
Fort Scott	4064	4063 -1852
Cherokee Shale	4075	4074 -1863
1st Sand	4083	4082 -1871
2nd Sand		4092 -1881
3rd Sand		4099 -1888
Conglomerate		4110 -1899
Total Depth	4165	4164 -1953

STATE OF KANSAS, COUNTY OF BARTON) SS

I hereby certify that the above is a true and correct copy of the Driller's Log of the well drilled in 150' N SE SW of Section 35-16S-21W, Ness County, Kansas, to the best of my knowledge and belief.

RECEIVED
STATE GEOLOGICAL SURVEY OF KANSAS
JUN 1969

CHIEF DRILLING CO., INC.

Thomas G. Wesselowski, Geologist

Subscribed and sworn to before me this 14th day of April, 1969.

CARMEN R. COOK
NOTARY PUBLIC
BARTON COUNTY, KANS.

Carmen R. Cook, Notary Public

My commission expires: Dec. 12, 1970