WELL LOG BUREAU--KANSAS GEOLOGICAL SOCIETY

UNION NATIONAL BANK BLDG., WICHITA, KANSAS.

Plotted Texas Co.

Location SW NW NW 350' frm SL & 330' frm WL NW¼ Sec. 6 T. 13 R. 15W

Casing Record

	10"	912	
20"	8¼"	2373	
15½"	312	6⅝"	2735
12½"	521	5 3/16"	2992

Total Depth 3440

Correspondence Regarding This Well Should Be Referred to

Farm- Fred Leonard No. 2

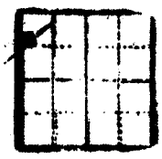
Company- The Texas Co.

Contr.-Thayer Drlg. Co.

Comm.- 6-27-29 Comp. 8-3-30

Shot Quarts Between

County- Russell



Elevation 1457

Figures Indicate Bottom of Formations.

Initial Production Dry

Date Issued. 11-7-31

Formation	Depth
soil yellow	5
sand rock sft	10
slate blue sft	80
lime blue mud.	85
slate gray sft	220
shale gray sft	250
red rock red sft	260
sdy shale wh sft	275
sand wh sft HFW	295
shale blue sft	305
lime wh hrd	312
red rock red sft	350
sand wh sft HFW	365
lime wh med.	375
blue mud blue sft	500
iron blue hrd	501
shale & iron blue sft	503
iron bright sft	505
shale blue sft	526
sand gray sft	550
red rock red sft	790
lime wh hrd	820
red rock red sft	875
lime wh hrd	895
red rock red sft	905
chalk wh sft	912
lime wh hrd	955
red rock red sft	995
shale blue sft	1130
red rock red sft	1195
shale blue sft	1275
salt wh sft	1520
shale blue sft	1605
lime wh hrd	1610
shale blue sft	1630
lime wh hrd	1645
slate wh sft	1650
lime shells slate wh hrd	1660
lime wh hrd	1670
shale blue sft	1680
lime wh hrd	1685
red rock red sft	1700
lime wh hrd	1725
shale blue sft	1735
red rock red sft	1740
shale blue sft	1745
lime wh hrd	1790
red rock red sft	1810
lime wh hrd	1835
shale & shells blue sft	1860
lime wh hrd	1895
shale blue sft	1900
lime wh hrd	1925
shale blue sft	1930
red rock red sft	1940
lime wh hrd	1960
slate blue sft	1970
shale gray sft	1980
lime wh hrd	2010
red rock red sft	2020
lime wh hrd	2035
shale gray sft	2045

Formation	Depth
lime wh hrd	2050
shale blue sft	2060
sdy lime wh hrd	2085
lime wh hrd	2090
shale gray sft	2095
lime wh hrd.	2120
red rock red sft	2140
lime wh hrd	2160
shale blue sft	2170
lime wh hrd	2210
shale gray sft	2215
lime wh hrd	2230
shale & shells blue sft	2255
lime wh hrd	2285
shale blue sft	2305
lime wh hrd	2310
shale blue sft	2373
lime wh hrd	2380
sdy shale blue sft	2420
shale blue sft	2428
gas sand gray sft	2432
shale blue sft	2605
2 M.G. 2428' to 2432'	
lime gray hrd	2620
shale blue sft	2640
sand wh sft wtr 15 B	2650
shale blue sft	2690
lime wh hrd L.S.O.2730-35'	2720
shale blue sft	2730
lime wh hrd	2740
shale blue sft	2743
lime wh hrd	2755
shale blue sft	2760
U.R. & set at 2735'.	
lime wh hrd	2795
shale blue sft	2800
lime wh hrd	2900
brkn lime wh med.	2920
S.O. 2900' to 2925'	
sdy lime wh hrd	2945
lime wh hrd	2960
brkn lime wh hrd	2985
Good showing Oil & Gas	2985'
shale brown sft	2990
shale blue sft	3000
lime lgt med.	3006
S.O. 2992' to 3006'	
shale drk sft	3010
lime lgt hrd	3016
lime wh hrd S.O.3016-21	3026

OVER

Fred Leonard # 2. Texas Co.
6-13-15 West. Russell County.

Formation	Depth.
lime hard white	3074
sand med grey	3083
lime soft white	3093
med grey sand	3096
lime white hard	3119
shale soft grey	3122
lime white hard	3140

HFW 3074-79 800' wtr in 14 hours 3093-96
Plugged back to 3058
drilling out old cement plug bottom of hole 3058

lime grey hard	3146
lime grey hard	3155
shale blue soft	3160

broken lime red rock and shale red soft 3163
small sh oil 3163 very cavey keeps coming in hole

shale blue soft	3200
lime white hard	3255

bad cave almost impossible to get tools to bottom.
show oil 3225-3230 53/16 casing UR and lowered
as required to shut off cave and water.

slate white soft	3265
sand white med	3292

HFW 3275

lime sdy wh hard	3305

53/16 casing lowered to 3294 feet.

sand water wh soft	3320

hole caving 3292.

lime sdy white hard	3322

lowered to 3316

sand water hard wh	3335

water inc.

lime sdy white hard	3380

little oil and blue lick sulphate wtr 3230-3292

sand water white hard	3395
lime sdy white hard	3420
sand water white med	3430

HFW 3430

lime white med	3440 T.D. S¼M 3440

53/16 casing UR and lowered as required to shut off cave water.
53/16 casing lowered to 3294 feet lowered to 3316 ft.