WELL LOG BUREAU - KANSAS GEOLOGICAL SOCIETY.
412 Union National Bk Bldg., Wichita, Kansas.

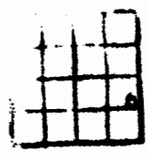
NATIONAL REFG. CO.
Fee No. 1.

SEC. 36 T. 27 R. 2E
SE NE SE

DEEPENING RECORD

Total Depth. 3218' P.B.2600'
Comm. 8-26-37 Comp. 11-8-37
Shot or Treated.
Contractor.
Issued. 8-20-38

County. Sedgwick



Elevation.

CASING:

20 "	68'	8¼"	2475'
15½"	None	7 "	2878'
12½"	1080'	5½"	3080'
10 "	2026'		

Potential
Production. 189 B., No wtr.

Figures Indicate Bottom of Formations.

shale & gravel	45
lime	55
shale	120
lime	128
limy shale	145
shale pale green & maroon	165
gypsum white	174
lime grey drk	177
crystalline gypsum	180
limy shale-free gastropods & crinoids	225
shaly lime	240
lime highly leached	250
shaly lime	255
lime	265
limy shale	270
leached lime & chert	308
shale grey	323
shale green & maroon	325
lime	328
shale maroon & grey-green	345
lime grey fossiliferous	365
grey shale & lime shls	374
gypsum pink	375
shaly lime	383
lime cherty drk	391
lime fossiliferous	407
lime cherty	418
shale green & maroon	422
cherty lime	433
lime	447
shale	455
lime	462
shale maroon & grey-green	465
limy shale 1BW 465	473
shale	482
cherty lime	488
shale green-grey	498
shale maroon	500
lime grey fossiliferous	508
shale grey	511
lime grey fossiliferous	526
shale grey	537
lime fossiliferous	545
shale grey HFW 557-566	550
grey lime-fusulina	566
shale grey	569
shale maroon	571
lime	577
shale grey-green	583
shale maroon	584
lime	593
cherty lime leached	615
lime	620
shale drk	625
heavy crystalline, drk grey lime	635
shaly lime	645
lime leached	650
shale grey	663
lime grey fossiliferous & leached	675
shaly lime	690
leached lime-fusulina abndt	727
shale grey drk	731
lime grey drk with some drk chert	737
shale grey drk	747
lime buff	751
shale grey	770
micaceous & pyritic grey & green shale	780
sdy lime	795
drk grey micaceous shale-quartz grains	800
sdy lime grey drk	810
micaceous shale-pyrite & quartz grains	840
shale micaceous grey	865
shale blue-grey	878
sdy shale micaceous	925
sand 5BW 930 12BW 965 18BW 965 HFW 970-980	995
lime buff	997
sand	1000
lime grey drk	1013
shale lim y micaceous grey drk (heavy pyrite 1040-1048)	1048
sand (wtr 1055-1065)	1068
lime	1080
shale grey	1100
lime grey	1113
shaly lime	1118
lime	1144
micaceous blue-grey shale	1155
crystalline lime-fusulina	1164
micaceous drk grey sdy shale-considerable pyrite at base	1185
lgt micaceous sdy shale	1220
shale blue-grey	1239
fossiliferous lime	1241
shale grey	1249
lime grey leached	1258
shale grey 1/3 BW 1285-90	1260
lgt grey leached lime, fusulina abundant, high spiral gastropod	1286
shale grey micaceous	1303
lime grey	1316
micaceous blue-grey shale	1335
sdy shale micaceous	1355
shale micaceous	1366
lime grey--fusulina & gastropod, (some chert at 1400)	1410
sand micaceous	1420
lime fossiliferous	1423
shale micaceous grey drk (¾ BW 1440-50)	1435
lime	1455
lime-fusulina abundt	1465
heavy crystalline lime	1478
shale blk	1485
shale grey	1490
lime	1500
sdy lime	1512
sdy shale micaceous	1538
shale micaceous	1555
lime	1563
shale blue-grey	1573
lime grey	1605
shale drk grey	1625
crystalline grey fossiliferous lime, considerable quartz 1645-60	1660
dense lime--some oil residue	1675
lime grey - some quartz	1685
drk grey pyritic shale	1705
lime grey	1738
shale blk	1748
lime dense	1751
shale drk	1760
lime grey	1778
shale grey	1800
lime grey	1805
shale grey	1823
micaceous sand 3BW 1826-40 7BW 1840-50	1860
micaceous sdy shale	1920
shale grey	1963
lime buff & grey	1975
shale grey	1978
sand	1990
lime	1993
sand	2015
5½ M.G. - R.P. 863#	2015
lime hrd	2022
lime brown 2 M.G. 2022-2028	2030
lime grey	2055

(OVER)

shale grey micaceous	2160
shale blue-grey	2188
fossiliferous brown lime	2197
lime grey	2205
shale grey	2288
lime blk fossiliferous	2293
shale grey drk	2315
lime drk fossiliferous	2322
shale grey drk	2345
lime grey	2400
SS Oil 2380-85	
4 BW 2390-95	
lime chorty HFW 2425-40	2440
oolitic lime	2450
lime dense	2465
shale blk	2473
lime grey	2495
lime chorty	2498
shale blk	2500
lime crystalline	2505
drab, dense lime	2509
shale grey & green	2511
shale blk	2520
fossiliferous lime & chert	2535
shale blk	2540
lime drk	2545
shale blk	2565
fossiliferous lime	2570
shale green-grey	2578
lime grey dense	2595
shale grey micaceous	2598
sand	2600
shale grey	2613
shale maroon	2615
shale green-grey	2620
lime dense	2630
shale blk	2637
shale green-grey	2640
lime fossiliferous	2645
shale grey	2655
lime grey	2675
shale grey	2680
lime grey dense	2688
shale grey	2698
lime grey drk	2700
shale grey	2702
lime grey drk	2707
shale grey	2710
lime grey	2715
shale grey	2732
lime grey	2740
shale grey	2766
lime grey	2775
shale grey	2780
Basal Pennsylvanian conglomerate	2789
lime dense	2790
shale maroon	2793
sdy lime green & shale green	2801
chert, sdy lime & sdy shale	2825
chert white & grey	2860
chert white HFW 2862-66	2890
lime white	2900
chert grey	2913
cherty lime	2928
grey fossiliferous shaly lime	2970
lime dense	2978
limy shale green-grey	2992
lime grey dense	3022
shale blk	3055
shale pyritic grey drk	3087
sand fine	3093
1st oil 3087-88	
cemented sand	3095
2nd oil 3093-95	
sand fine	3099
Total Depth.	

Best pay 3097½-99
Little wtr 3099

500' oil in 1 hr.
2600' oil in 16 hrs.
Total fill up, 2900', gravity 29.6 Corrected.
Drove a 1 foot mandrel lead plug) p.B. 3096
Drove 175 lb lead wool

Plugged back to 3096

DEEPENING RECORD

Comm. 7-6-38 Comp. 8-6-38
Production, 1,050,000 cu ft gas & little wtr

Sample Log:

small rounded sand grains	3099-3125
large, rounded sand grains & green shale	3135
green, grey shale	3142
sand fine	3150
coarse sand & green shale strks	3165
shale green	3177
sand large rounded grains	3186
shale green	3188
dolomite & oolitic chert porous 3193-96	3201

Steel line correction 3201 equals 3218
Total Depth.

Plugged back to 2600' and gun perforated 12 shots from 2005-2010; obtained a little gas and HFW. Ripped casing and squeezed 330 sacks of cement. Drilled out to 2025'. Gun perforated with 118 shots, 2006-2012. Obtained 1,050,000 gas & little water.