

WELL LOG BUREAU - KANSAS GEOLOGICAL SOCIETY.
512 Union National Bank Bldg, Wichita, Kansas.

1st log
20-21-4E

THE NATIONAL REFINING CO.
Reamy No. 19

SEC. 20 T. 21 R. 4E.
NE NW NE
1830' fr EL 330' fr NLNE $\frac{1}{4}$

DEEPENING RECORD.

County Marion.

Total Depth. 2412
Comm. 12-14-36 Comp. 1-8-37
Shot or Treated, 1500 gal acid.
Contractor.
Issued. 6-20-41

CASING.

15 $\frac{1}{2}$ " 128'
12 $\frac{1}{2}$ " 1040'
10" 1463'
8 $\frac{1}{2}$ " 2031'
103' 7" liner at 2390 cemented.

Elevation. 1380

Production. Pot. 512 B.
48 hours.

Figures Indicate Bottom of Formation

lime	15	6 BW 1005-20	show oil 1980
lime and gravel	25	sdv shale	lime 2018
shale	45	shale	show oil 2018
lime	50	lime	shale 2020
red rock	70	shale	lime 2045
HFW 75-80		lime	shale blk 2051
lime	90	shale	chert hard oolitic 2054
shale	95	lime	soft leached oolitic
lime	140	shale	lime 2061
shale	205	6 BW 1170-75	
red rock	210	lime	Total Depth.
lime	215	shale	oil 2061.
shale	235	lime	oil from 2054-60 $\frac{1}{2}$ no wtr.
lime	240	shale	
shale and shells	250	lime	Nat. Potential 24 hrs.
lime	265	shale	57 bbls, 1500 acid. Pot.
shale	285	lime	24 hours 325 bbls. Pot.
lime	290	shale	48 hours 512 bbls.
shale	330	lime	
lime	345	shale	<u>DEEPENING RECORD.</u>
shale	375	lime	O.T. D. 2061
lime shells and shale	405	shale	Comm. 5-14-41
lime	425	lime	Comp. 6-4-41
shale	430	HFW 1430	Prod. 35 B.P day.
red rock	435	shale	lime 2061- 2075
shale	450	sand	shale blk 2079
lime	460	sdv shale	lime 2100
shale	475	shale	sdv shale 2105
lime	485	lime	lime 2110
shale	495	shale	Micac. shale 2135
shale and lime shells	510	lime	lime 2145
shale	525	shale	shale 2151
lime	530	lime	lime 2155
shale and shells	590	shale	shale 2180
shale	675	lime	sand HFW 2195
lime	685	shale	shale 2214
shale	810	lime	lime 2220
lime	815	shale	sdv shale 2225
shale	865	lime	lime 2235
lime	870	shale	shale 2240
shale	895	lime	lime 2256
lime	905	shale	shale 2262
shale	910	lime	lime 2265
lime	920	shale	shale 2289
shale	940	4 BW 1820-30	red rock 2300
lime	950	lime	shale 2378
shale	960	sand	
lime	970	S.S. all 1880-82	
shale	1005	lime	

OVER

20-21-4E

National Refg. Co.

Reamy #19

NE NW NE

20-21-4E

Marion County.

dol. Lime	2391 S.S.O. 2378).
pyritic shale	2397 $\frac{1}{2}$
sdv dol.	2398
dolomite	2412

Total Depth.

show oil 2398-99 Pay 2411 $\frac{1}{2}$ -12

Top Mag. Dol. lime	2378
Top Mag. shale	2391
Top Viola	2398