

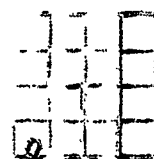
HELMERICH & PAYNE.
Wartick No. 1.

SEC 11 T. 32 R. 2E.
SW SE SW SW
Block 85

Total Depth. 3053
Comm. 3-3-36 Comp. 6-7-36
Shot or Treated.
Contractor.
Issued. 8-22-36

County. Sumner.

CASING.
12 $\frac{1}{2}$ " 61'3
10" 198'
7" 2095'



Elevation.

Production. Est 100 B. per day.

Figures Indicate Bottom of Formations.

sub soil	20	lime	2775
sand little water	25	broken lime & shale	2785
shale	55	lime and shale	2825
broken lime	70	lime and shale	2865
shale	110	shale and shells	2888
lime blue	115	lime and shale	2895
shale grey	125	dolomite	2905
lime blue	140	shale dark	2916
lime	160	sdv shalo	2924
red rock	165	sand show of oil	2926
shale grey	170	sand more oil	2928
lime hard	175	sand hard sharp	2931
shale grey	180	sand and shale	2940
lime	205	sdv shale green	2948
shale	208	oil 2942-2946	
shale grey	210	dolomite	2956
broken lime	215	sand hard and sharp	2965
lime grey	235	sand white	2973
lime and shale	262	soft stronger show green oil	2975
lime	350	hard soft	2979
shale and shells	362	soft no increase in oil	2981
lime and shale	635	hard	2989
shale and shells	740	lime	3001
shale and shells	750	lime hard	3010
lime and shale	775	lime	3023
shale and shells	810	lime hard	3030
shale and lime	930	lime	3035
shale	1050	lime hard	3046
shale and shells	1080	lime soft	3051
lime and shale	1130	little show water	3 052
lime	1175	sdv lime	3053
broken lime	1240	Total Depth.	
lime	1295		
lime and shale	1560		
broken lime	1620		
lime and shale	1695		
shale lime and shells	1770		
lime and shale	1830		
lime shale and shells	1915		
shale and lime shells	1990		
shale and shells	2065		
lime shale and shells	2170		
shale and shells	2230		
shale and lime shells	2290		
shale and shells	2440		
shale and lime shells	2455		
lime	2480		
lime	2625		
broken lime	2660		
broken lime and shale	2710		
shale	2740		