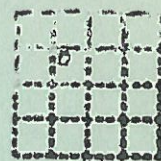


BARBARA OIL CO.
Gorham No. 4-A.

SEC.23 T.32 R.10E
NW SE NW

Total Depth. 1933'
Comm. 5-28-41 Comp. 6-19-41
Shot or Treated. 2000 Gals. Acid
Contractor. J.F. Enright
Issued. 7-26-41

County. Chautauqua



CASING:
12 1/2" 431' P
10" 652' P
8 1/2" 1262' P
7" 1904' LI

Elevation.

Production. Pmp 90 B.

Figures Indicate Bottom of Formations.

clay yellow	15	lime	1566
shale	35	shale	1589
lime	40	lime Oswego	1615
shale	45	shale dk	1623
lime	73	lime	1640
shale	120	shale	1645
lime	128	lime	1650
shale	145	shale	1687
lime sdy 1 BW	185	lime	1689
shale	208	shale	1804
lime	238	red rock	1812
shale	270	shale	1845
red rock	275	red rock	1850
shale	310	shale	1860
red rock	320	red rock	1870
lime	325	shale lgt	1903
shale	375	lime Miss, sh oil	1909-15
sand 6 BW	400	chert	1915
shale	485	lime	1933
lime	490	Total Depth.	
shale	535		
lime	545		
shale	575	Oil 1925-33	
sdv shale	585		
sand HFW	610	Pumped 90 B. 1st 24Hrs.	
shale	615		
sand	630		
shale	831		
lime	845		
shale	925		
lime	935		
shale	960		
lime	965		
shale	972		
lime	976		
shale	985		
sand HFW	1075		
shale	1080		
lime	1085		
shale	1105		
sand	1155		
shale	1185		
lime sdy	1190		
lime	1197		
shale dk	1200		
lime	1230		
shale	1235		
sand	1260		
shale	1270		
lime	1318		
shale dk	1336		
lime	1350		
shale	1366		
lime	1374		
shale	1430		
lime	1455		
shale	1485		
shale sdy	1515		
shale	1542		