

GEOLOGICAL DEPARTMENT
UNION GAS CORPORATION
INDEPENDENCE, KANSAS

Company C. W. Cross et al

S. T. R. 15-25-13
County Greenwood
State Kansas
Lease and Well No. Emma Brown #1
Elev. 1036

Contractor C. W. Cross

Drilling Commenced Oct., 1927

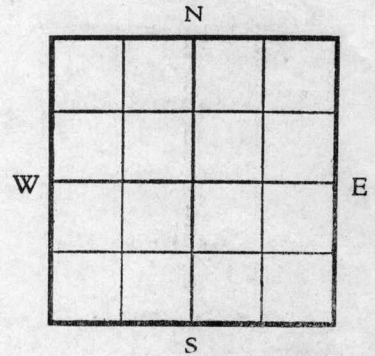
Drilling Completed Nov. 7, 1927

Initial Production

Initial Rock Pressure

Location NE corner of SE $\frac{1}{4}$

Casing 10" 491'
8 $\frac{1}{4}$ " 1115'



Driller's Record of Formations

clay yellow	10	shale	1171
light lime	15	lime hard	1192
shale blue	68	shale	1197
lime light	73	lime hard	1202
shale blue	80	shale	1220
red rock	83	lime	1243
shale blue	108	shale	1246
lime light	128	lime hard	1254
shale blue	133	shale	1270
lime light	138	lime	1273
shale blue	170	sandy shale	1440
water sand light	192 30 B.	shale dark	1450
shale light	200	slate black	1472
shale blue	265	sand	1500 oil
lime hard	275	broken sand	1534 showing
shale blue	280	shale	1557 at 1487
lime hard	287	sand	1570
shale sandy blue	292	showing of oil	
shale blue	458	sandy shale dark	1600
lime light	461	shale blue	1609
shale light	474	Mississippi lime	1853
lime light	585	sand	1657
shale light	715	H.F.W.	
lime	733	T.D.	1657
shale blue	760		
lime light	812		
sandy lime light	828		
lime	880 2 blrs. water from		
sand	885 812 to 828		
lime	915 5 blrs. water at 885		
shale	1066		
lime	1070		
shale	1080		
lime	1083		
shale	1095		
lime	1103		
shale	1111		
lime	1114		

Geological Form 5