

*Plotted, J.*

EMPIRE OIL AND REFG.  
 Ehrlich No. 4

**Plotted Texas CO.**  
 SEC. 28 T. 13 R. 14W.  
 NE SE SE  
 935' N & 330' W of SE cor.

Total Depth. 3304.  
 Comm. 6-18-35 Comp. 9-1-35.  
 Shot or Treated.  
 Contractor, H. Trapp.  
 Issued. 12-7-35

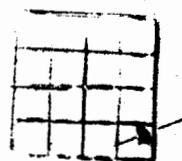
County. Russell.

CASING.

20" 19'  
 15 1/2" 366'  
 12 1/2" 877'  
 10" 2465'

lowered to 2525  
 8 1/4" 3062' UR 3232  
 65/8" liner 87' at 3298'

DEC 7 1935



Elevation.

Production. DRY.

Figures Indicate Bottom of Formations.

cellar	12	lime grey	1865	shale blue	2562
post rock white	25	lime	1880	lime light	2568
mud white	30	slate light	1890	shale blue	2585
shale blue	70	red rock	1900	lime	2600
slate	110	lime grey	1920	shale blue	2605
slate and shells	130	shale blue	1925	shale & shells	2650
slate blue	155	lime grey	1965	shale blue	2658
shale light	175	red rock	1975	lime white	2676
slate white	235	lime grey	1980	shale blue	2685
sand	240	red rock	1985	shale dark	2687
slate white	250	lime light	2010	lime light	2710
mud yellow	270	lime grey	2035	slate dark	2715
slate white	315	red rock	2045	lime	2717
sdv lime	320	lime	2050	slate dark	2725
sdv shale	340	lime light	2055	lime	2775
lime	355	red rock	2060	lime grey	2795
shale	360	lime grey	2100	lime light	2820
correction 360 equals	367	red rock	2105	lime	2845
sand and iron	380	lime	2120	lime grey	2855
iron	390	lime light cave	2135	broken lime	2885
sand and iron	425	lime grey	2155	lime	2955
sand	435	slate blue	2165	black break	2960
shale blue	460	red rock	2180	shale blue	2970
shale grey	480	lime	2200	lime	2990
slate blue	510	shale blue	2207	show oil 2970-80	
red rock	520	lime grey	2220	red rock	2992
lime	525	lime	2225	slate blk	3012
red rock	535	shale	2245	lime grey	3025
hole caving.		lime	2250	lime	3040
red rock	870	shale brown	2265	lime grey	3045
lime	877	lime grey	2277	lime brown	3055
lime grey	912	shale blue	2305	lime grey	3060
shale blue	914	lime grey	2310	lime grey	3083
red rock	1050	shale dark	2320	shale blue	3085
slate blue	1100	lime grey	2325	sdv shale	3087
red rock	1155	shale blue	2327	water sand	3091
shale blue	1174	lime grey	2335	lime	3095
shale brown	1185	shale blue	2360	S.S.O. 3091-95	
shale blue	1210	lime grey	2370	sdv lime white	3115
slate blue	1265	shale blue	2375	lime white	3125
salt	1525	lime	2380	lime	3135
slate	1530	shale blue	2390	lime white	3140
salt	1535	sand gas	2406	lime dark	3145
salt hard	1570	slate blue	2415	lime grey	3160
lime	1590	shale and shells	2435	lime	3175
red rock	1595	slate blk	2453	lime white	3190
slate white	1600	lime light	2455	lime	3195
lime	1620	lime broken	2480	shale blue	3195
shale dark & shells	1650	shale blue	2515	lime	3205
broken lime	1705	lime	2520	lime white	3219
slate	1710	slate blk	2524	shale blue	3227
lime	1730	lime	2530	broken lime wh	3235
red rock	1750	lime broken	2540		
shale	1760	lime light	2545		
lime caving	1780	broken lime	2555		

OVER

Empire Oil and Refg. Co.  
Ehrlich No. 2. 28-13-14W

lime	3240
shale blue	3245
lime light	3250
shale dark	3252
lime	3269
shale	3283 $\frac{1}{2}$
SLM correction	3283 $\frac{1}{2}$ equals 3298
lime	3304

show oil 3298-3301

free oil 3301-3304

Total Depth,

Acidized with 1000 gal Sept 4th, 1935

Acidized with 2000 gal Sept 12, 1935.

Acidized with 4000 gal Sept 20, 1935

#### WATER RECORD.

8 BW	235'
HFV	335'
HFV	370-75
1 BWPHR	1280-90
4 BWPH	3045-55
3 BWPH	3087-91
HFV	3091-3115