

Aug 16th

33-YS-24W

15-005-20233

WELL RECORD

Company Cities Service Oil Company Well No. 211 Farm Holley L-KC Unit
Location 330' FSL & 2155' FWL SE SE SW Sec. 33 T. 8S R. 24W
Elevation 2456' RKB County Graham State Kansas
Initial Prod. 43-0-24 Contractor Garvey Drilling Co.
Acid 1500 gals. 15% CRA Drlg. Comm. 6-11-69
T.D. 4040' Drlg. Comp. 6-20-69

oil

Case:

. 8 5/8" 28# @ 328' W/250 Sx. Plus 2% CaCl
5 1/2" 14# @ 4039' W/675 Sx. W/D.V. Tool @ 2162'

Bottom stage W/200 sx. salt sat. pozmix
to surface W/475 Sx. Howco Lite Plus
10# Sk. Gilsonite

Formation Record:

Depth

Clay & Sand	0 - 75'
Shale	75' - 328'
Shale & Sand	328' - 1715'
Shale, Sand & Red Bed	1715' - 2140'
Anhydrite	2140' - 2179'
Shale & Shells	2179' - 2555'
Shale	2555' - 2785'
Shale & Lime	2785' - 3095'
Shale W/Lime Str.	3095' - 3115'
Shale	3115' - 3230'
Lime & Shale	3230' - 4040'

Electric Log Tops:

Anhydrite	2140' (+ 314)
Heebner	3748' (-1292)
Toronto	3772' (-1316)
Lansing-KC	3786' (-1330)

Completion Data:

Perforated L-KC 3938-43'

Slope Test:

Eastman:

328'	1/2°
807'	1/2°
1307'	1/2°
2044'	1°
2555'	1 1/2°
3115'	1 3/4°
3471'	2°
3642'	2°
3898'	2°
4040'	2°

