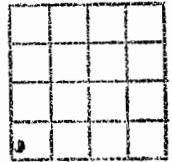


WELL LOG BUREAU - KANSAS GEOLOGICAL SOCIETY
508 East Murdock, Wichita, Kansas

Company- . HELMERICH & PAYNE INC.
Farm- Koelsch No. 1

SEC. 24 T. 24 R. 11W
SW SW SW
330' N. of SL & 330' E. of WL
SW/4
County Stafford
KANSAS

Total Depth. 4290
Comm. 9-12-52 Comp. 9-30-52
Shot or Treated.
Contractor.
Issued. 11-22-52



CASING:
10 3/4" 249' cem. w/210 sx
5 1/2" 4032' cem. w/150 sx
2" tubing set 3762'

Elevation. 1947 DE

Production. 2583 BO & NW

Figures indicate Bottom of Formations.

sand & gravel	100
sand & shale strks	160
shale blue & shells	210
sand hrd	230
shale gry & red bed	250
red bed	840
anhydrite	865
shale & shells	1615
lime & shale	1720
lime broken	1815
lime	2295
lime & shale	2965
lime	3061
lime & shale	3163
lime	3467
lime & shale	3591
lime	3892
lime & shale	3930
lime & conglomerate	3973 ?
conglomerate cherty	4030
congl. chert & shale	4049
congl. cherty	4076
viola lime & chert	4093
viola chert	4165
simpson	4195
simpson, shale sand &	
lime	4229
lime	4263
arbuckle	4290
Total Depth	

Heebner	3460
Lansing	3620
Congl.	3951
Viola	4028
Simpson	4185
Arbuckle	4236

Set Lane-Wells plug at 3820
and perforated 48 holes 3750
to 58' and acidized with
2000 gals.