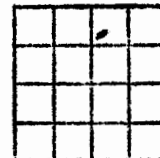


13-21-13W

County Stafford
 KANSAS



Total Depth. 3533 RB
 Comm. 7-7-52 Comp. 7-25-52
 Shot or Treated.
 Contractor. Jackson Drlg. Corp.
 Issued. 9-6-52

CASING:

10 3/4" 232' cem. w/200 sx
 7" 3530' cem. w/100 sx

Elevation. 1862 DF
 (260 (m))

Production. I.P. 149 BO & 17%
 wtr.

Figures Indicate Bottom of Formations.

soil, clay & sand	156
shale w/sand streaks	205
shale	232
shale strks sand	270
red bed & shale	710
anhydrite	735
shale & shells	1130
shale & salt	1450
shale & lime	1550
lime & shale	1700
lime w/shale brks	1830
lime & shale	1990
lime	2030
lim & shale	2699
lime w/shale brks	2795
lime	3014
heebner shale	3018
lime	3124
shale & lime	3238
lime	3240
lime brown	3245
shale	3255
lime	3464
lime & shale	3515
lime	3533 RB
Total Depth	

maximum pressure 1600#.
 Swabbed overnight averaging
 3 1/2 BOPH no. wtr.

Tops:
 Anhydrite 710
 Heebner 3112
 Brown Lime 3235
 Lansing 3252
 Base-Kansas City 3464
 Conglomerate 3488
 Simpson 3499
 Arbuckle 3513

DST: 3277-98' 1 hr. rec.
 1300' oil, 1100# BHP 310#
 FFP. Gas to surface in
 11 minutes.

DST: 3302-31' 1 hr. rec.
 30' oil cut mud, 720' oil,
 1200# BHP FP 200#.

DST: 3362-99' 1 hr. rec. 6'
 mud.

DST: 3515-21' 1 hr. rec. 785'
 gas 55' oil cut mud, 60' mud
 cut oil, 725# BHP.

DST: 3523-31' 1 hr. rec. 2040'
 gas, 135' oil, 740# BHP.

Perf. 75 shots 3514-31', filled
 up 50' oil in 1 1/2 hrs. 1500 GA,
 swab 5 BOPH for 7 hrs. no wtr.
 Perf. with 8' glass jet gun,
 25 holes 3518-26, 1500 GA under