

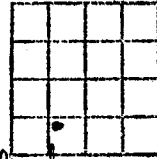
Company - CROWN OIL CO., INC & LOTUS OIL CO.
Farm - Williams No. 4

SEC. 32 T. 23 R. 13W
NW SE SW

32-23-13W

Total Depth. 3670
Comm. 8-13-49 Comp. 8-28-49
Shot or Treated.
Contractor. Crown Oil Co., Inc.
Issued. 10-29-49

County. Stafford
KANSAS



CASING:
8 5/8" 330' cem w/170 sx.
5 1/2" 3665' cem w/100 sx.

Elevation. 1913 *End*

Production. Bomb 1,232 bbls.

Figures Indicate Bottom of Formations.

cellar	5
clay surface, sand	105
clay, shells	223
red bed, shale	263
sand	300
shale	338
red bed, shale, shells	770
red bed shale	780
anhydrite	815
shale, shells	1200
salt	1245
shale, shells	1585
shale	1640
lime brkn	1720
lime	1915
lime brkn	1980
lime, shale	2180
lime shaley	2260
lime, shale	3265
lime	3345
lime, shale strks	3385
lime, shale	3530
lime RTD	3668
lime	3670
Total depth	

*Note: All measurements taken
from Kelly Bushing.

Tops:

Heebner shale 3376
Lansing (White) 3540

Pay zone 3664-3670
Cable tool total depth 3670

Remarks:

No commercial oil shows were found
between the top of the Lansing at
3540 and normal pay zone for the
field at 3664.

The #4 Williams was completed with
a minimum of rotary drilling in the
pay zone in an attempt to determine
if cable tool drilling in the bottom
of the zone would improve the initial
recovery. To date, this completion
does not appear to be an improvement
over drilling the entire pay zone with
rotary tools.