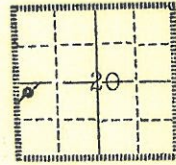


WELL LOG BUREAU, KANSAS GEOLOGICAL SOCIETY  
UNION NATIONAL BANK BLDG., WICHITA, KANSAS

CASING RECORD                      LOCATION    NW SW                      SEC 20 T31 R 4 E.  
 20"                      10"                      FARM    Hughs                      NO. 1    COUNTY    Cowley  
                          8 1-4                      COMPANY    Brinn  
 15 1-2                      6 5-8                      CONTRACTOR  
 12 1-2                      5 3-16                      COMMENCED    10-2-27.                      COMPLETED 11-29-27.  
 TOTAL DEPTH    3352 1/2'    SLM                      SHOT                      QUARTS BETWEEN  
 CORRESPONDENCE REGARDING THIS WELL SHOULD BE REFERRED TO



FIGURES INDICATE BOTTOM OF FORMATIONS.  
REMARKS 1/14/28.

ELEVATION  
INITIAL PRODUCTION Dry.

Formation	Depth	Formation	Depth
surface	20	shale	1093
gravel	30	lime	1100
lime	120	shale	1375
shale	130	lime	1450
red rock	135	shale	1490
lime	140	sand    HFW	1515
shale	170	shale	1518
red rock	175	sand    Water	1545
lime	195	shale	1550
shale	215	sand    Water	1560
red rock	225	shale	1615
lime	235	lime	1623
shale	270	shale	1625
lime	275	shale	1640
shale	310	lime	1642
lime	315	shale	1645
sand    HFW	370	red rock	1650
red rock	385	shale	1676
shale	395	lime	1685
lime	425	shale	1690
shale	440	lime	1705
lime	450	shale	1920
shale	475	sand	2075
lime	480	shale	2155
shale	490	lime	2160
lime	500	shale	2368
shale	505	sand lime	2495
lime	520	sand    HFW	2505
shale	550	lime	2595
shale	615	shale	2655
red rock	622	sand    HFW	2670
shale	685	shale	2680
lime	695	lime	2688
red rock	710	shale	2690
shale	745	lime	2755
red rock	750	shale	2763
sand    Water	770	lime	2780
shale	805	shale	2870
lime	810	sand	2880
shale	850	shale	2920
lime	855	SLM	2898
shale	875	shale	2950
lime	885	chat	2960
shale	907	lime	3231
lime	910	lime	3235
shale	920	shale black	3245
lime	925	lime	3255
shale	950	black shale	3280
lime	960	sand    Show gas	3290
shale	975	black shale	3399
lime	985	sand lime    HFW    SLM	3352 1/2
shale	1000		
lime	1010	Total Depth	3352 1/2
shale	1040		
lime	1045		