

WELL LOG BUREAU - KANSAS GEOLOGICAL SOCIETY.  
412 Union National Bk Bldg, Wichita, Kansas.

W.M. MCKNAB  
Mohler et al. No. 1.

SFC 14 T. 34 R. 3E  
Con. NE $\frac{1}{4}$  NW $\frac{1}{4}$

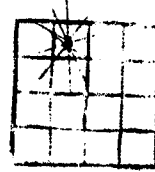
DEEPENING RECORD

14-34-3E

Total Depth. 3880'  
Comm. 5-15-36 Comp. 7-6-36  
Shot or Treated.  
Contractor. McKnab Drlg. Co.  
Issued. 7-3-37

JUL 3 1937

County. Cowley



CASING.  
20 " 99' 11"  
16 " 660'  
13 " 1494'  
10 " 1898' UR 2065' UR 2099'  
8 $\frac{1}{2}$ " 2476'  
6 5/8" 2665' Pulled  
5 3/16" 3431'

Elevation.

Production. 7,000,000

Figures Indicate Bottom of Formations.

sand quick	42	shale grey	810	shale dark	1510
hole caving 20		line	815	Boiling water	
shale blue	75	shale	820	line	1520
shy line (8 BW 80)	95	line	830	shale	1525
shale	130	shale	855	Boiling water	
line	200	shale blue bailed wtr	870	line hard	1560
shale blue	205	line	875	shale dark	1572
rod rock	210	shale white	885	line hard	1597
line	220	line	890	shale dark	1610
shale blue	225	shale	895	line	1620
line	230	sand	915	shale pink	1625
shale blue	240	shale	935	line hard	1640
line	265	shy line	945	line	1655
shale	270	shale	950	shale	1661
line	285	line	960	line white	1680
broken line	330	3 BW 960-955		shy shale	1698
shy line	360	pink or red rock	965	line	1703
little water 295'		shale	970	shale grey	1715
7 BWP 340'		shale dark	990	line	1722
rod rock	385	line hard	995	shale	1730
line	395	shale dark	1020	line	1738
shale dark	410	sand	1035	broken line	1765
line	415	shale dark	1045	2 BW 1755	
rod rock	420	line hard	1050	sand	1795
line	425	shale dark	1080	Water increased to 8 BWP	
shale blue	430	line	1090	1780-1785	
shy line	470	shale	1100	shale	1802
Water increased to		line	1105	sand	1815
12 BWP 450'		shale	1110	shale dark	1830
rod rock	475	line	1115	Water increased to 14 BWP	
line	505	shale	1140	1805-1810	
shale dark	510	line	1145	shale	1875
line	520	shale dark	1165	line	1890
bailing water		line hard	1175	shale black	1898
line hard	530	5 BWP 1170-1175		line	1900
line	535	line hard very	1190	shale dark	1910
shale white covey	540	shale	1205	shy line	1917
rod rock	550	line	1210	shale	1925
shy shale	565	shale	1215	rod rock-bailing wtr	1930
Bailing water 560'		line	1225	rod rock cove	1953
line	585	shale	1235	line	1957
shale grey	595	line hard	1255	rod rock	1960
line	598	broken line	1300	rod rock cove	1975
rod rock	645	shale dark	1310	shale white	1937
shale	650	line	1320	line	2000
rod rock	656	shale	1355	shale white	2038 $\frac{1}{2}$
line	670	line hard	1380	line	2039
Running pipe at 658'		shale dark	1385	shale dark	2065
cleaning out-bailing wtr		shy line	1412	sand HPW	2085
line hard	705	shale dark	1415	sand	2096
line	725	shale	1417	shale blue-bailing wtr	2130
shale	730	line	1430	shale	2186
line	780	shale	1450	line	2196
1 BW 760		sand	1465	(small oil 2186-92)	
shale blue	785	shale dark	1494	(OVER)	
line	795	line	1495		

shale dark	2212	shale white	2990	lime grey lgt	3752
sand 20 BWP	2250	brkn lime	2998	lime grey drk	3767
(hole caving-dumping wtr)		sdv lime	3003	shale blk	3826
water sand HFV	2270	shale blue	3015	shale green	3827
sdv lime	2280	shale grey	3047	Wilcox sand	3832
shale blue	2290	lime lgt	3060	shale break	3833
shale	2300	slate blk	3082	sand drk	3844
sand water	2355	lime	3086	SIM Corr. 3845	
sdv lime	2368	lime grey hrd	3093	sand grey hrd	3852
lime	2372	shale	3100	sand grey	3862
shale grey	2393	lime grey drk	3113	lime brown	3871
shale white	2441	lime white	3117	1 BW 3866-69	
lime	2442	shale blk	3119	lime grey	3880
shale dark	2450	lime grey	3122	Total Depth.	
sand water	2476	shale blk	3132		
lime sdv	2490	lime white	3155		
bailing out hole		shale blue	3160		
shale dark	2505	lime white	3170		
Smell oil 2476-2477		shale blue	3188		
shale	2665	shale sdv	3227		
Top gas 2665		lime blue drk	3229		
sand	2668	lime grey drk	3235		
Reduced hole 2666		shale blue	3238		
2 1/2 Million cu ft gas		lime grey hrd	3242		
gas sand	2672	SIM Corr. 3245			
7 Million cu ft gas		shale blue	3251		
Total Depth	2672 SLM	shale blk	3257		
		sdv shale	3270		
		slate blk	3276		
		shale blue	3280		
		red rock	3282		
		lime	3285		
		sdv shale	3310		
		red rock	3311		
		shale blk	3320		
		red rock	3324		
		shale grey	3330		
		shell sdv	3332		
		shale grey	3341		
		sdv shale	3346 1/2		
		shale	3362		
		shale grey	3367		
		sand	3374		
		show oil 3372-74			
		SIM Corr. 3377			
		sdv shale	3382		
		sand	3384		
		sdv shale	3388		
		sand hrd or lime	3390		
		chat white	3405		
		lime	3412		
		chat	3414		
		lime	3418		
		lime white	3426		
		lime grey	3431		
		lime white	3435		
		lime grey	3570		
		show oil 3471-75			
		2 BW 3460			
		lime 2 1/2 BWP	3732		

Deepening Record

Comm. 1-29-37      Comp. 4-1-37  
 Production. Dry  
 Old T.D. 2672

sand                    2672-2705  
 250' wtr 2695-2705  
 sand hrd              2711  
 shale                  2725  
 sdv lime 3BW 2742    2740  
 sand HFV 2745-65    2790  
 shale                  2794  
 lime                    2805  
 shale blue            2846  
 lime                    2848  
 sand line Corr. 2841  
 lime                    2855  
 show oil 2849-55  
 sdv lime              2856  
 lime                    2857  
 shale                  2858  
 lime                    2878  
 show oil 2875  
 shale blk              2886  
 shale                  2903  
 lime sdv              2908  
 Carrying HFV  
 shale blue            2915  
 lime grey              2958  
 shale                  2961  
 lime grey              2967