

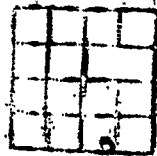
BEN GRALAPP - J.L. LOONEY  
 F.M. Cook No. 1.

SEC. 13 T. 32 R. 4E.  
 SEC SW SE

DEEPENING RECORD

Total Depth. 3034  
 Comm. 11-25-35 Comp. 12-28-35.  
 Shot or Treated. 75 qts 2329-2355  
 Contractor. Bess and Gralapp.  
 Issued. 1-10-42

County. Cowley.



CASING

12 1/2" 390' 65/8" 2122' UR 2456  
 10" 1492' 53/16" 2930  
 8 1/2" 1690'  
 UR 1710'

Elevation.

Production. Flowed 100 B.  
 1st 12 Hr. 168B. 1st  
 24 Hr.

Figures Indicate Bottom of Formations.

cellar	10	shale	925	lime	1856
shale and shells	85	lime	950	shale	1880
lime	104	lime broken	960	sand	1917
5 BWPHR 95-100		shale	1028	show oil	1880
shale	110	lime	1038	water	1890
red rock	115	shale	1060	lime	1940
lime	120	lime	1075	sand	1990
shale	135	6 BWPHR 1060 HFW 1075		sand	2002
lime	145	shale	1080	shale	2078
red rock	150	lime	1087	lime	2088
lime	180	shale	1096	shale	2097
shale	200	lime	1123	sand	2122
red rock	210	shale	1185	lime sdy	2125
lime	226	lime	1234	shale	2320
shale	230	shale	1242	lime sdy	2340
lime broken	250	lime	1247	oil pay	2330-2340
9 BWPHR 250		shale	1262	lime sdy	SIM 2355
lime sdy	270	lime	1295	Total Depth.	
red rock	273	shale	1300		
shale	280	lime	1307	DEEPENING RECORD.	
lime	300	shale	1317	J.L. Looney et al.	
shale	315	lime	1322	O.T.D. 2355	
lime	338	shale	1328	Comm. 11-28-41	
shale	342	lime	1378	Comp. 12-17-41	
red rock	358	shale	1383	Prod. 30 B.	
shale brown	380	lime	1388	sand	2355- 2415
shale white	387	shale	1420	slate	2440
lime	395	lime	1425	shale	2460
shale white	405	shale	1438	lime	2507
lime	410	sand	1458	shale	2517
shale	450	shale	1463	lime	2600
lime	455	sand	1485	slate	2604
shale white	490	HFW 1465		lime	2610
lime	495	lime	1510	shale	2625
shale white	518	shale	1578	lime	2635
lime	537	lime	1586	shale	2655
shale	542	shale	1591	sand	2670
lime	570	lime	1597	shale	2685
shale	590	shale	1604	lime	2705
lime	595	red rock	1609	shale	2715
shale	600	shale	1612	lime	2720
lime	605	red rock	1630	shale	2735
shale	660	shale	1645	lime	2790
lime	665	lime	1664	slate	2795
shale	675	shale	1665	lime	2800
lime	690	lime	1690	slate	2810
shale	735	shale	1695	slate	2815
lime sdy	745	lime	1701		
shale	852	shale	1710		
lime shell	855	lime	1725	OVER	
shale	860	shale cavy hole	1740		
lime broken	865	lime	1748		
lime	905	shale	1753		
shale	915	lime	1758		
lime	920	shale	1850		

	13-32-4E	Cowley.
slate		2865
lime		2870
slate		2930
shale sholls		2961
shale sdy		3005
sand		3021
shale		3032
lime		3034
Total Depth.		

Water 2355  
Underreamed 2355-2456  
Pipe set at 2456- 65/8  
show oil and gas 2545-2547  
water 2635  
show gas 3025-3022