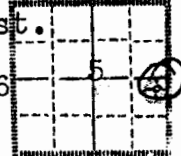


*Plotted  
S-71-9E  
J.R.S.*

10" 675 FARM Adda M. Garr NO. 1 COUNTY Chautauqua  
 20" 8 1-4 1160 COMPANY Brouk-Harpst & Craver-Batten Petro Est.  
 15 1-2 6 5-8 1540 CONTRACTOR Harpst and Craver.  
 12 1-2 450 5 3-16 COMMENCED March 16, 1922 COMPLETED June 28, 1926  
 TOTAL DEPTH SHOT QUARTS BETWEEN  
 CORRESPONDENCE REGARDING THIS WELL SHOULD BE REFERRED TO



ELEVATION

INITIAL PRODUCTION Dry hole.

FIGURES INDICATE BOTTOM OF FORMATIONS.  
 REMARKS

Formation	Depth	Formation	Depth.
SURFACE	5	sand	1384
shale	13	Red sand, showing oil,	
lime	18	sdyl shale small amt of	1414
shale	22	sand water	1449
lime	26	hole full of water	
shale	50	lime broken	1474
lime	55	sand water	1549
shale	120	set 6-5/8 casing at 1540'	
sand	135	May 3, 1926	
two bailers of water per hr		lime very hard	1575
shale	165	sand very sharp Peru	1620
red rock	170	lime hard sand	1700
shale	190	sahel straight reamed	1730
lime	200	and reset 6-5/8 at 1702'	
shale	285	lime hard	1740
lime	295	shale	1750
shale	315	lime hard	1760
lime	320	sdyl hard	1780
shale	325	Bartlesville sand	
shale	360	shale white	1815
shale	370	lime hard	1855
red rock	395	shale	1912
shale	430	lime hard	1945
lime	435	shale	1950
set 12 1/2 casing at 450'		lime hard	1985
shale	500	LBWPHR shale	1985
sand	555	shale	1995
shale	615	lime soft	2005
lime	640	showing of gas	
shale	650	shale	2210
NOTE- Shut down on a ccount of		red rock	2225
snows and bad roads more than		shale	2260
six days.		red rock	2280
red rock	655	shale	2307
sand	660	top of Mississippi Lime	
shale	665	Straight reamed and re-set	
red rock	675	6-5/8 casing at 2300'	
set 10 " casing at 675'0"	April 8th, 1926	lime white chatty	2350
sand	695	Burgess sand show oil	
five bailers water per hr		lime light med ha rd	2365
shale	725	lime brown very hd	2470
red rock	740	lime wh soft	2475
lime	745	lime grey med hd	2570
shale	930	lime brown hard	2580
lime	935	sdyl lime med hd	2590
shale	1005	Wilcox sand water SLM	2590
sa nd	1025	lime white hard	2595
hole full water		lime dark very hd	2600
set 8 1/4 casing a t 1160'		HFW T.D.	
shale	1260		
lime	1268		
shale	1356		
<del>lime</del>	1358		
shale	1364		
Steel line measurement at	1364		
sand	1374		
Red sand 1 1/2 million feet gas,			
480 # rock pressure by actual			
measurament U tube			

*Peru Sand*

*one bailer water per hour*

*2600  
2307  
2934*

*Burgess Sand*

*Red Sand*

**GEOLOGICAL DEPARTMENT  
UNION GAS CORPORATION  
INDEPENDENCE, KANSAS**

**5-33-9c**

Company

S. T. R.  
County  
State  
Lease and  
Well No.

5-33-9  
Chautauqua  
Kansas  
Adda L. Carr #1

Contractor

**Brown Harpet & Craver, Contractor.**

Drilling  
Commenced

Drilling  
Completed

**June 6, 1926**

Initial  
Production

Initial Rock  
Pressure

Location

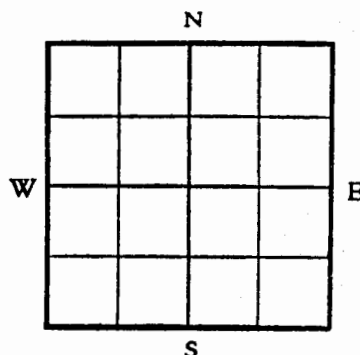
821

Casing

12 1/2  
10  
8 1/2  
6

450'  
675  
1160  
1540

straight round and  
reset 6 5/8" @ 1702'



**Driller's Record of Formations**

surface	5	Hole full water	1160
shale	13	shale	1200
lime	18	lime	1260
shale	22	shale	1356
lime	26	lime	1358
shale	60	shale	1364
lime	65	steel line H.	
shale	120	sand	1374
sand 2 b w	135	red sand and 1 1/2 million feet gas 480'	
shale	165	sand	1384
red rock	170	red sand oil showing little water	1414
shale	190	sand water	NEW 1474
lime	200	lime broken	1474
shale	285	sand water	1549
lime	295	lime very hard	1575
shale	315	sand sharp Peru	1620
lime	320	lime hard	1700
shale	325	shale	1730
shale	360	lime hard	1740
shale	370	shale	1760
red rock	395	lime hard	1760
shale	430	sandy hard	1760
lime	435	Bartlesville sand sh white	1815
shale	500	lime lime hard	1865
sand	555	shale	1912
shale	615	lime hard	1945
lime	650	shale	1950
sh 1/2	650	lime hard 1 1/2" str. shale	1965
red rock	655	shale	1995
sand	660	lime shaft show gas	2005
shale	665	shale	2210
red rock	675	red rock	2225
sand 5 b w	695	shale	2260
shale	725	red rock	2280
red rock	740	shale	2370
lime	745	Top 1/2" str. round and reset	
shale	930	6 5/8" 2300'	
lime	935	lime chatty	2350
shale	1005	Burgess sand show oil lime light	
sand	1025	medium rod	2365

over)

## LOG OF BROOK'S CARR NO. 1 CONTINUED.

Nature of Strata	Thickness	Total Depth	Remarks.
Sand	10	1374	- Redd sand, 1 $\frac{1}{2}$ million feet gas, 480# rock pressure, by actual measurement, U-Tube.
Sand	10	1384	- Redd sand, showing of oil.
Sandy shale	30	1414	- Small amount of water.
Sand	35	1449	- Hole full of water.
Lime, broken	25	1474	
Sand, water	75	1549	- Set 6 5/8" casing at 1540'-0" May 3, 1926.
Lime, very hard	26	1575	
Sand, very sharp	45	1620	- Peru sand.
Lime, hard	30	1700	
Shale	30	1730	- Straight-reamed and re-set 6 5/8" at 1702'-0"
Lime, hard	10	1740	
Shale	10	1750	
Lime, hard	10	1760	
Sandy shale	20	1780	- Bartlesville sand.
Shale, white	35	1815	
Lime, hard	40	1855	
Shale	57	1912	
Lime, hard	33	1945	
Shale	5	1950	
Lime, hard	35	1985	- One bailer water per hour.
Shale	10	1995	
Lime, soft	10	2005	- Showing of gas.
Shale	205	2210	
Red rock	15	2225	
Shale	35	2260	
Red rock	20	2280	
Shale	27	2307	- Top 88 of Mississippi lime, Straight-reamed and re-set 6 5/8" casing at 2300'-0".
Lime, white, chatty	43	2350	- Burgess sand, showing of oil.
Lime, light, medium hard	15	2365	
Lime, brown, very hard	105	2470	
Lime, white, soft	5	2475	
Lime, grey, medium hard	95	2570	
Lime, brown hard	10	2580	
Sandy lime, medium hard	10	2590	- Wilcox sand, water, Steel line measurement at 2590 feet.
Lime, white, hard	5	2595	
Lime, dark, very hard	5	2600	- Hole full of water. Total depth.