

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

78

WELL RECORD

Permit No. Mingo-13A Olegary

Oil or Gas Well.....  
(Kind)

Company... F. H. Yates  
Address... Ashland, Ky.  
Farm... Cowden/Workman Acres.....  
Location (waters)... Twelve Pole Creek  
Well No. 2 Elev.....  
District... Harvey County... Mingo  
The surface of tract is owned in fee by... W. K. Cowden  
Box 655, Huntington, W. Va. Address.....  
Mineral rights are owned by Georgia Workman, Lenore,  
W. Va. own both Address.....  
Drilling commenced... November 27, 1930  
Drilling completed... December 14, 1930  
Date shot..... Depth of shot.....  
Open Flow /10ths Water in..... Inch  
/10ths Merc. in..... Inch  
Volume..... Cu. Ft.  
Rock Pressure..... lbs..... hrs.  
Oil..... bbls., 1st 24 hrs.  
Fresh water..... feet..... feet  
Salt water..... feet..... feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16.....			Kind of Packer.....
13.....			
10.....	<u>20'</u>		Size of.....
8 1/4.....	<u>203'</u>		
6 5/8.....	<u>869.6'</u>		Depth set.....
5 3/16.....			
3.....			Perf. top.....
2.....	<u>1390'</u>		Perf. bottom.....
Liners Used.....			Perf. top.....
			Perf. bottom.....

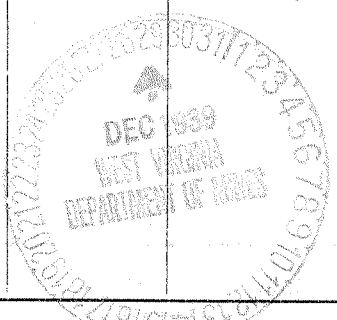
CASING CEMENTED..... SIZE..... No. Ft..... Date.....  
COAL WAS ENCOUNTERED AT..... FEET..... INCHES  
..... FEET..... INCHES..... FEET..... INCHES  
..... FEET..... INCHES..... FEET..... INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface, Gravel, Etc.			0	3			
Sand	Grey		3	58			
Fresh Water			75				
Blue Slate			58	120			
Sand & Lime			120 1/2	130			
Slate			130	143			
Sand			143	178			
Light Slate			178	215			
Sand			125	280			
Slate			280	415			
Sand	Hard		415	505			
Slate			505	575			
Sand			575	590			
Slate			590	630			
Salt Sand (1st)			630	715			
Slate & Lime Shells			715	745			
2d Salt Sand			745	810			
Sand & Lime Shells			810	960			
Marion Sand			960	1015			
Red Rock			1015	1022			
Slate & Lime Shells			1022	1057			
Slate			1057	1098			
Sand			1098	1108			
Slate			1108	1148			
Red Rock			1148	1159			
Slate			1159	1177			
Sand			1177	1210			
Little Lime			1210	1237			
Pencil Cave			1237	1240			
Big Lime			1240				
Total Depth				1390			

Hole Full of water at 810'

1358-1372' Gas

Packer set at 1340'  
Tubed with 2"



*Dry well*

COWDEN-WORKMAN NO. 2 WELL.

Harvey District, Mingo County, W. Va.

By F. H. Yates, Ashland, Ky.

Abandoned under permit Mingo-13-A.

On Twelvepole Creek.

Elevation.....

Surface owned by W. K. Cowden, Box 655, Huntington, W. Va., and minerals by Georgia Workman, Lenore W. Va., own both.

Drilling commenced Nov. 27, 1930; completed, Dec. 14, 1930.

10" casing, 20'; 8 $\frac{1}{2}$ " 203'; 6 $\frac{3}{8}$ " 869' 6"; 2" tubing, 1390'.

Gas well. Record from Smith January 23, 1940.

Packer set at 1340'. Tubed with 2".

	Top.	Bottom.
Surface, gravel, etc.	0	3
Sand, gray	3	58
Blue slate (fresh water at 75')	58	120
Sand and lime	120 $\frac{1}{2}$	130
Slate	130	143
Sand	143	178
Light slate	178	215
Sand	215	280
Slate	280	415
Sand, hard	415	505
Slate	505	575
Sand	575	590
Slate	590	630
1st Salt Sand	630	715
Slate and lime shells	715	745
2nd Salt Sand (hole full water, 810')	745	810
Sand and lime shells	810	960
Maxton Sand	960	1015
Red rock	1015	1022
Slate and lime shells	1022	1057
Slate	1057	1098
Sand <del>thin</del>	1098	1108
Slate	1108	1148
Red rock	1148	1159
Slate	1159	1177
Sand	1177	1210
Little Lime	1210	1237
Pencil Cave	1237	1240
Big Lime (gas, 1358-1372')	1240	....
Total depth		1390

13-A

WEST VIRGINIA DEPARTMENT OF MINES  
OIL & GAS DIVISION  
WELL RECORD

Permit No. Mingo-13 (plugging)  
- Quad.

- Well  
CASING & TUBING

Company F. H. Yates  
Address Ashland, Ky.  
Farm Cowden Workman ACRES -  
Location Twelve Pole Creek  
Well No. 2 ELEV. -  
District Harvey - County Mingo  
Surface W. K. Cowden, B 655, Huntington, W.Va.  
Mineral Georgia Workman, Lenore, W.Va. own both  
Commenced Nov. 27, 1930  
Completed Dec. 14, 1930  
Open Flow -  
Volume -  
Rock Pressure -  
Oil -  
Water -

10	20
8-1/4	203
6-5/8	869-6
2	1390

Formation Top Base Result

Surface, Gravel etc.	0	3	
Sand gray	3	58	
Fresh Water	75		
Blue Slate	58	120	
Sand & Lime	120 1/2	130	
Slate	130	143	
Sand	143	173	
Light Slate	173	215	
Sand	125	280	
Slate	280	415	
Sand hard	415	505	
Slate	505	575	
Sand	575	590	
Slate	590	630	
Salt Sand (1st)	630	715	
Slate&Lime Shells	715	745	
2nd Salt Sand	745	810	
Sand&Lime Shells	810	960	
Maxton Sand	960	1015	
Red Rock	1015	1022	
Slate&Lime Shells	1022	1057	
Slate	1057	1093	
Sand	1093	1108	Mole Full of water at 810
Slate	1103	1143	
Red Rock	1143	1159	
Slate	1159	1177	
Sand	1177	1210	
Little Live	1210	1237	
Pencil Cave	1237	1240	1358-1372' gas
Big Live	1240		
Total Depth		1390	Packer set at 1340 Tubed with 2"

NOW DRY WELL

(Plat Service Data Jan. 1940)