

Company UNITED FUEL GAS CO.
 Address CHARLESTON, W. VA.
 Farm J.A. & A.B. LEWIS
 Tract _____ Acres 154 Lease No. 21232
 Well (Farm) No. 1 Serial No. 1896
 Elevation (Spirit Level) 747.0'
 Quadrangle SAINT ALBANS
 County PUTNAM District SCOTT
 Engineer Prof. C. J. ...
 Engineer's Registration No. 669
 File No. 67-96 Drawing No. _____
 Date 1-21-55 Scale 1"=400'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. PUT-96-A

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.

Scott District, Putnam County, W.Va.

96-A

By United Fuel Gas Co.

On 154 acres; Lease No. 21232; Map Square 67-46.

Rig commenced March 13, 1928; completed, March 17, 1928.

Drilling commenced March 18, 1928; completed, June 28, 1928.

Contractors: Sowder Oil & Gas Co., Huntington, W.Va.

Drillers names: R.E. Shaffer and J.W. Tabor.

Elevation, 747' B.

10" casing, 19'; 8 1/2" casing, 463'; 6 3/8" casing, 1523'; 5 1/2" casing, 1771'.

Shut in Aug. 1, 1928 in 5 1/2" casing.

O. W.S. packer, 5 1/2" x 6 3/8".

Test before shot, 1/10 water in 1"; volume, 12,000 cu. ft.

Test after shot, 10/10ths water in 1"; volume, 37,680 cu. ft.

Shot, torpedo, 3 1/2" x 15'. No oil.

No.....in Gas Report.

	Top.	Bottom.	Thickness.
Soil	0	15	15
Gravel	15	25	10
Red rock	25	110	85
Sand	110	130	20
Red rock	130	225	95
Slate	225	250	25
Sand	250	270	20
Slate	270	300	30
Red rock	300	330	30
Sand	330	360	30
Lime	360	390	30
Slate	390	405	15
Coal (puff of gas at 408-410')	405	410	5
Slate	410	430	20
Lime	430	465	35
Sand	465	530	65
Slate	530	560	30
Sand (water at 600', 4 bailers per hour)	560	605	45
Slate	605	615	10
Lime	615	640	25
Slate	640	655	15
Sand	655	730	75
Slate	730	750	20
Sand	750	790	40
Slate	790	810	20
Sand	810	860	50
Slate	860	1035	175
Sand	1035	1055	20
Slate	1055	1075	20
Salt Sand	1075	1360	285
Slate	1360	1370	10
Sand	1370	1455	85
Slate	1455	1486	31
Little Lime	1486	1516	30
Pencil Cave	1516	1520	4
Big ^{Lime} Sand	1520	1676	156
(test 2/10 water in 1" at 1676'; lime very hard and yellow at 1525' to 1560')			
Keener Sand	1676	1707	31

(OVER)

J. A. LEWIS NO. 1896 WELL (Continued).

	Top.	Bottom.	Thickness.
Slate	1707	- 1729	22
Big Injun Sand (test $\frac{4}{10}$ ths water in $6\frac{3}{8}$ " casing at 1729'; second test, $\frac{24}{10}$ ths water in $6\frac{3}{8}$ " casing at 1736'; 1 hour after drilled in gas decreased from $\frac{24}{10}$ water to $\frac{16}{10}$ water in $6\frac{3}{8}$ " casing; 18 hours later could not get test through $6\frac{3}{8}$ " casing and about 900' of water in hole)	1729	- 1771	42
Slate and shells	1771	- 2190	419
Brown shale	2190	- 2208	18
Berea Grit Sand	2208	- 2231	23
Slate and shells	2231	- 3400	1169
Brown shale	3400	- 3440	40
Slate and shells	3440	- 3581	141
Brown shale	3581	- 3688	107
Light shale	3688	- 3707	19
Brown shale	3707	- 3810	103
Light shale	3810	- 3880	70
Total depth (SLM)		3880	

Test $\frac{1}{10}$ water in $\frac{1}{8}$ " at 3700'.

Test $\frac{3}{10}$ water in $\frac{1}{8}$ " at 3707-3715'.

Test $\frac{2}{10}$ water in 1" at 3849-3862'.

Test $\frac{2}{10}$ water in $\frac{1}{8}$ " at 3862-3870'.

Test before shot, $\frac{3}{10}$ water in $\frac{1}{8}$ ".

Shot in Brown shale with 40 qts. from 3405' to 3425'; test 30 minutes after shot, $\frac{5}{10}$ water in 1".

Shot in Berea with 30 qts. from 2218' to 2233'; tested $\frac{18}{10}$ Mercury in 1" 30 minutes after shot.

Final test when shut in in $5\frac{3}{8}$ " casing, $\frac{10}{10}$ water in 1".

48-hr. rock pressure, 430 lbs.

Well shut in in $5\frac{3}{8}$ " casing; no tubing put in this well.

48-hr. Initial rock pressure, 430 lbs., 6-28-28;

Initial volume, 38 M. 6-28-28.

Most recent rock pressure, 345 lbs. 5-14-36.

Wells of the United Fuel Gas Company which are producing are not blown for open flow tests and annual test of rock pressure and delivery is made, but open flows are not taken once the well is produced.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

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Quadrangle St. Albans

WELL RECORD

Permit No. 96A

Oil or Gas Well Gas
(KIND)

Company UNITED FUEL GAS CO.
Address P.O. Box 1273, Charleston 25, W. Va.
Farm J. A. & A. B. Lewis Acres 154
Location (waters) Lick Branch
Well No. 1896 Elev. 747'
District Scott County Putnam

The surface of tract is owned in fee by _____
Address _____

Mineral rights are owned by J. A. Lewis, Agent
1924 West Washington St., Charleston, W. Va.

Drilling commenced 3-18-28
Drilling completed 6-28-28 *Approved 4/15/55*

Date Shot 3 1/2" x 15' - 30 qts. From 2218 To 2233
With _____

Open Flow 10 /10ths Water in 1 Inch
_____ /10ths Merc. in _____ Inch

Volume 37,680 Cu. Ft.
Rock Pressure 430 lbs. 48 hrs.

Oil _____ bbls., 1st 24 hrs.
Fresh water 600' feet _____ feet

Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			O.W.S.
13			Size of
10		19'	5-3/16x6-5/8
8 1/4		463'	Depth set
6 1/2		1523'	Perf. top
5 3/16		1771'	Perf. bottom
3			Perf. top
2			Perf. bottom
Liners Used			

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT 405 FEET 60 INCHES
____ FEET _____ INCHES FEET _____ INCHES
____ FEET _____ INCHES FEET _____ INCHES

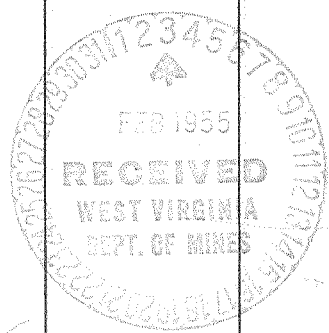
Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Coal			405	410	Puff of gas at 405' to 410' Water 600'		
Salt Sand			1075	1360			
Sand			1370	1455			
Slate			1455	1486			
Little Lime			1486	1516			
Pencil Cave			1516	1520			
Big Lime			1520	1676			
Keener Sand			1676	1707			
Slate			1707	1729			
Big Injun Sand			1729	1771			
Slate & Shells			1771	2190			
Brown Shale			2190	2208			
Berea Grit			2208	2231			
Slate & Shells			2231	3400			
Brown Shale			3400	3440			
Slate & Shells			3440	3581			
Brown Shale			3581	3688			
Light Shale			3688	3707			
Brown Shale			3707	3810			
Light Shale			3810	3880			
Total depth			3880				

Handwritten signature

Shot in Br. Shale with 40 qts. from 3405' to 3425' test 30 mins. after shot 5/10 W in 1"
Shot in Berea with 30 qts. from 2218' to 2233'

Well shut in in 5-3/16" casing no tubing put in this well.

3880
2231
1649 - expl fty



JUN 17 1955

