

LINCOLN 174.

Horse Creek Coal Land Co (1762)

elevation 1098'

Madison quad.

38 10



15' location

S 1.37

W 3.97

A 20

(236) Julian-Madison

- Deep Well -

Horse Creek Coal Land Company No. 1762 Well.

Duval District, Lincoln County, W. Va.
 By United Fuel Gas Company.

Permit No. Lin-174.

Elevation, 1097.6' L.

369 M. cu. ft. gas; R. P., 398 lbs.; 2nd deepening (Brown Shale).

Located 1.37 mi. S. of 38° 10' and 3.97 mi. W. of 81° 50'—C—Madison
 Quadrangle.

Near head of western branch of Horse Creek.

1.2 mi. S. W. of Woodville; 0.94 mi. N. W. of Lavoile.

	Top.	Bottom.	Thickness.	Elevation (feet)
Big Lime -----	1731	1926	195	— 623
Big Injun Sand -----	1926	1965	39	— 828
Berea Sand -----	2407	2429	22	—1309
Corniferous Lime -----	4573			—3473

Thickness, Devonian Shales, 2144 feet. Total depth, 4573'
 Remarks: Deepened from 1382' (Salt Sand). Deepened from 2411'
 (Berea). Completed July 20, 1936.

Brown Shale gas, 3328-36', 3557-66', 3652-61', 3718-3726', 3980-41'
 and 4140-50'. Shot at 3335-3744'
 On 10,300 acres.

WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS DIVISION

460

WELL RECORD

Permit No. Lin 174-D Oil or Gas Well Gas
(Kind)

Company <u>UNITED FUEL GAS COMPANY</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>Box 1256, Charleston, West Virginia</u>	Size			
Farm <u>Horse Creek Coal Land Co. Acres. 10,300</u>	16			Kind of Packer <u>Bottom Hole</u>
Location (waters) <u>Horse Creek</u>	13			Size of <u>5-3/16x6-5/8</u>
Well No. <u>1762</u> Elev. <u>1097.6</u>	10			Depth set <u>1806</u>
District <u>Duval</u> County <u>Lincoln</u>	8 1/4			Perf. top <u>None</u>
The surface of tract is owned in fee by <u>Horse Creek C. L. Co. Address Charlottesville</u>	6 5/8	<u>1806'-8"</u>	<u>1806'-8"</u>	Perf. bottom
Mineral rights are owned by <u>Same</u>	5 3/16			Perf. top
Address	3			Perf. bottom
Drilling commenced <u>June 5, 1936</u>	2			
Drilling completed <u>July 20, 1936</u>	Liners Used			
Date shot <u>August 25, 1936</u> Depth of shot <u>3335</u>				
Open Flow <u>60/10ths</u> Water in <u>2</u> Inch				
After <u>/10ths Merc.</u> in <u></u> Inch				
Volume <u>369,000</u> Cu. Ft.	CASING CEMENTED	SIZE	No. FT.	Date
Rock Pressure <u>398</u> lbs. <u>48</u> hrs.				
Oil <u></u> bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT	FEET	INCHES	
Fresh water <u></u> feet		FEET	INCHES	
Salt water <u></u> feet		FEET	INCHES	

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
Berea			2407	2429	Gas		
Slate and Shells			2429	2452			
Lime Shells			2452	2461			
Slate Shells			2461	3328			
Shale Shells Slate			3328	3557	Gas	3328-3336	
Brown Shale			3557	3574	Gas	3557-3566	
Slate and Shells			3574	3652			
Brown Shale			3652	3664	Gas	3652-3661	
Slate Shells			3664	3718			
Slate			3718	3728	Gas	3718-3726	
Slate Shells			3728	3842			
Brown Shale			3842	3985	Gas	3980-3985	
White Slate			3985	4363	Gas	4140-4150	
Brown Shale			4363	4522			
Black Shale			4522	4573			
C. Lime			4573				
Total Depth			4573				

WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS DIVISION

468

WELL RECORD

Permit No. Lin 174

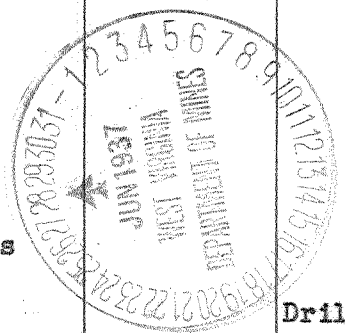
Oil or Gas Well Gas
(Kind)

Company United Fuel Gas Company
 Address P. O. Box 1256, Charleston, W. Va.
 Farm Horse Creek Coal Land Co. Acres 10,300
 Location (waters) Horse Creek
 Well No. 1762 Elev. 1097⁶
 District Duval County Lincoln
 The surface of tract is owned in fee by Horse Creek
 Address Horse Creek
Coal Land Co. R.F.D. #2, Charlottesville, Va.
 Mineral rights are owned by Same
 Address Same
 Drilling commenced June 5, 1936
 Drilling completed July 20, 1936
 Date shot July 25, 1936 Depth of shot 3335-3744 Inch
 Open Flow 60 /10ths Merc. in 2 Inch
 Volume 369,000 Cu. Ft.
 Rock Pressure 398 lbs. 24 hrs.
 Oil 398 bbls., 1st 24 hrs.
 Fresh water 940-945 feet
 Salt water 1078-1083 feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer <u>B. H.</u>
16			
13			
10			Size of <u>5-3/16 x</u>
8 1/4	<u>528' 1"</u>	<u>528' 1"</u>	Depth set <u>6-5/8"</u>
6 5/8	<u>1756' 0"</u>	<u>1756' 0"</u>	<u>1806</u>
5 3/16	<u>1806' 8"</u>	<u>1806' 8"</u>	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED SIZE No. FT. Date
 COAL WAS ENCOUNTERED AT FEET INCHES
 FEET INCHES 50 FEET 48 INCHES
266 FEET 48 INCHES 466 FEET 48 INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
Sand			0	50			
Coal			50	54			
Lime			54	60			
Sand			60	110			
Slate			110	200			
Lime			200	240			
Slate			240	266			
Coal			266	270			
Slate			270	310			
Lime			310	360			
Slate			360	400			
Sand			400	415			
Slate			415	466			
Coal			466	470			
Slate			470	510			
Sand			510	525			
Slate			525	600			
Lime			600	645			
Slate			645	700			
Sand			700	740	Gas		
Slate			740	800			
Lime			800	815			
Slate			815	830			
Sand			830	950			
Slate			950	965			
Sand			965	1050			
Slate			1050	1065			
Sand			1065	1210			
Slate			1210	1255			
Lime			1255	1283			
Salt Sand			1283	1327			
Slate			1327	1330			
Sand			1330	1382	Gas		
Total Depth				1382			
Salt Sand			1382	1550			
Red Rock			1550	1560			
Lime			1560	1575			
Slate			1575	1625			
Maxon Sand			1625	1665			
Little Lime			1665	1695			



Drilled Deeper

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate			1695	1700			
Lime Shells			1700	1728			
Pencil Cave			1728	1731			
Big Lime			1731	1926			
Engine Sand			1926	1965			
Slate Shells			1965	2055			
Weir Shells			2055	2125			
Slate			2125	2340			
Lime			2340	2360			
Slate			2360	2392			
Brown Shale			2392	2407			
Berea			2407	2429			
Slate and Shells			2429	2451			
Total Depth				2451			
Berea			2407	2429			Drilled Deeper
Slate and Shells			2429	2452			
Lime Shells			2452	2461			
Slate Shells			2461	3328			
Slate Shells Slate			3328	3557	Gas	3328-3336	Shot from 3335
Brown Shale			3557	3574	"	3557-3566	- 3744
Slate and Shells			3574	3652	"	3652-3661	
Brown Shale			3652	3664			
Slate Shells			3664	3718	"	3718-3726	
Slate			3718	3728			
Slate Shells			3728	3842			
Brown Shale			3842	3985	"	3980-3985	
White Slate			3985	4363	"	4140-4150	
Brown Shale			4363	4522			
Black Shale			4522	4573			
C. Lime			4573				
Total Depth				4573			

Date..... June 25, 19 37

APPROVED....., Owner

By G.A. Cunningham
(Title)

UNITED FUEL GAS COMPANY

UNITED FUEL GAS COMPANY

(INCORPORATED)

10-17
Map Square 46-4
P

Serial Well No. 1762

Lease No. 3772

PARAGON PRINT. 24 6-26 60158

RECORD OF WELL No. 23 on the
Creek Coal & Land of 10300 Acres
in ~~sect~~ Duval 2 District
~~Boone~~ Lincoln County
Zanawha Field, State of W. Va.
Madison - 451

Rig Commenced 192
Rig Completed 192
Drilling Commenced 8-8--26 192
Drilling Completed 10-29--26 192
Drilling to cost \$1.85 per foot
Contractor is: M.R. Jamerson
Address: Box 1460 Charleston W. Va.

Driller's Names Lawrence Fildreth
Ira Castle

CASING AND TUBING		
Size	Used in Drilling	Left in Well
16		
18		
10		
8 1/4	528-1	528-1
6 5/8	1566-1	1566-1
5 3/16		
4 7/8		
4		
3		
2		

TEST BEFORE SHOT

22 of Water in 6 1/8 inch
10ths
18 of Merc. in 3 inch
10ths
Volume 1650 C.C. Cu. ft.

TEST AFTER SHOT

of Water in _____ inch
10ths
of Merc. in _____ inch
10ths
Volume _____ Cu. ft.

Rock pressure 580 #

Date shot _____

Size of Torpedo _____

Oil Flowed _____ bbls. 1st 24 hrs.

Oil Pumped _____ bbls. 1st 24 hrs.

Well abandoned and
Plugged _____ 10

Bottom Joint perforated 12' from Bottom

1st Perf. Set _____ from
2nd Perf. Set _____ from
Packer set _____ from bottom

SHUT IN

Date 11-8-26

C 1/8" Tubing or Casing

Size of Packer C 5/8 x 8 1/2 x 10

Kind of Packer C.W.S Anchor

Bottom Joint perforated 12' from Bottom

1st Perf. Set _____ from
2nd Perf. Set _____ from
Packer set _____ from bottom

DRILLER'S RECORD

Formation	Top	Bottom	Thickness	Remarks
Sand	50	50	0	Water 3 barrels 940-941
Lime	54	60	6	" hole full 1076-1083
Sand	60	110	50	
Slate	110	200	90	Gas 721-729
Lime	200	240	40	" 1381-1382
Slate	240	266	26	
Coal	266	270	4	8 1/2 steel shoe on 8 1/2" casing
Slate	270	310	40	6 5/8 x 8 1/2 x 10 B.P. Packer on C 1/8"
Lime	310	360	50	8 1/2" Casing cemented
Slate	360	400	40	Gas tested 18/10 Merc. in 3" when well was shut in.
Sand	400	415	15	
Slate	415	466	51	
Coal	466	470	4	
Slate	470	510	40	
Sand	510	525	15	
Slate	525	600	75	
Lime	600	645	45	
Slate	645	700	55	
Sand	700	740	40	
Slate	740	800	60	
Lime	800	815	15	
Slate	815	830	15	
Sand	830	950	120	
Slate	950	965	15	
Sand	965	1050	85	
Slate	1050	1065	15	
Sand	1065	1210	145	
Slate	1210	1255	45	
Lime	1255	1283	28	
Salt Sand	1283	1327	44	
Slate	1327	1330	3	
Sand	1330	1382	52	
Total Depth		1382		S.L.R.

Drilled Deeper

*change everything -
right record, but
deepening info was used
for comp -*

APPROVED
Price

quad is in
as 071

043-174

(DEEP)

Change:
02
05
06
07
08
09
10
12
13
14
19 1/2
20
10
etc.

J.W.P.

UNITED FUEL GAS COMPANY

(INCORPORATED)

ENTERED RECORD BY
J.W.P. 12/24/27

Serial Well No. 1762

Lease No. 3772

Map Square 46-40

PARAGON PRINT. 2M 6-26 60158

RECORD OF WELL No. **23** on the
 Horse Creek coal & Land Co 10300 Acres
 in **Scott** District
Boone County
Kanawha Field, State of **W. Va.**

CASING AND TUBING		
Size	Used in Drilling	Left in Well
16		
13		
10		
8 1/4	528-1	528-1
6 5/8	1756	1756
5 3/16		
4 7/8		
4		
3		2470
2		

TEST BEFORE SHOT
 12 of Water in 3" inch
 10ths
 of Merc. in inch
 10ths
 Volume **380** 000 Cu. ft.

TEST AFTER SHOT
 36 of Water in 3 inch
 10ths
 of Merc. in inch
 10ths
 Volume **345** Cu. ft.

Rock pressure **445#**
 Date shot **9-10-27**
 Size of Torpedo **30** lbs

Oil Flowed..... bbls. 1st 24 hrs.
 Oil Pumped..... bbls. 1st 24 hrs.

Well abandoned and
 Plugged..... 10

Rig Commenced 192
 Rig Completed 192
 Drilling Commenced August 22, 1927
 Drilling Completed Sept. 19, 1927 ✓
 Drilling to cost per foot
 Contractor is: **E. R. Cameron**
 Address: **Box 1460**
Charleston, W. Va.
 Driller's Names **Fred Toler**
Walter Raines

SHUT IN
 Date **9-18-27**
 3" Tubing or ~~2 1/2"~~
 Size of Packer **3x5 3/16x16**
 Kind of Packer **Anchor**
 1st Perf. Set **12'** from **Bottom**
 2nd Perf. Set **42'** from "

Top of
 " "
 Packer set **105'** " "

DRILLER'S RECORD

Formation	Top	Bottom	Thickness	Remarks
Salt Sand	1382	1550	168	
Red Rock	1550	1560	10	
Lime	1560	1575	15	Hole Reduced at 1856 Ft. - 107 Ft.
Slate	1575	1625	50	Below Casing
Maxin Sand	1625	1665	40	
Little Lime	1665	1695	30	Tubing Packer Set 2350 Ft.
Slate	1695	1700	5	
Lime Shells	1700	1728	28	Shot 30 Qts. Sept. 10, 1927
Pencil Cave	1728	1731	3	
Big Lime	1731	1926	195	Gas - 2408 - 2413 - 8/10W3"
Engine Sand	1926	1965	39	" - 2413 - 2418 - 12/10W3"
Slate Shells	1965	2055	90	
Weir Shells	2055	2125	70	
Slate	2125	2340	215	
Lime	2340	2360	20	
Slate	2360	2392	32	
Brown Shale	2392	2407	15	
Berea	2407	2429	22	
Slate and Shells	2429	2451	22	
TOTAL DEPTH			2451	

Drilled Deeper.

APPROVED
[Signature]

APPROVED
[Signature]

UNITED FUEL GAS COMPANY

SERIAL WELL NO. 1762

LEASE NO. 3772

MAP SQUARE 46-45

RECORD OF WELL No. 1762 on the
 Horse Creek Coal Land ^{Co.} Farm of 10,300 Acres
 in ~~Scott~~ Duval District
~~Boone~~ Lincoln County
 Kanawha Field, State of W. Va.

CASING AND TUBING

SIZE	USED IN DRILLING	LEFT IN WELL
16		
18		
10		
8 1/4		
6 1/2		
5 1/2	1806-8"	1806-8"
4 1/2		
4		
3		
2		

TEST BEFORE SHOT

20 of Water in 2 inch
 10ths.
 of Merc. in inch
 10ths. Volume 213 M. Cu. Ft.
 TEST AFTER SHOT
 60 of Water in 2 inch
 10ths.
 of Merc. in inch
 10ths. Volume 369 M. Cu. Ft.
 Rock Pressure 398#
 Date Shot 7/25/36
 Gelatin
 Size of Torpedo 2850#
 Oil Flowed bbls. 1st 24 hrs
 Oil Pumped bbls. 1st 24 hrs

Rig Commenced May 4, 1936
 Rig Completed May 9, 1936
 Drilling Commenced June 5, 1936
 Drilling Completed July 20, 1936

Drilling to cost per foot
 Contractor is: United Fuel Drilling Dept.
 Address: Charleston, West Virginia

Driller's Name Ancil Jones
 Robert A. Burns
 B. O. Goddard

SHUT IN

Date August 21, 1936

.....in. Tubing or Casing
 Size of Packer 5-3/16x6-5/8
 Kind of Packer Bottom Hole
 1st Perf. Set None from
 2nd Perf. Set None from

Well abandoned and
 plugged 1936

Packer Set at 1806'

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Berea	2407	2429	22	Gas Beria 5/10 W 1" 26.4 M.
Slate and Shells	2429	2452	23	Brown Shale Safe Gas 5/10
Lime Shells	2452	2461	9	Gas 3328-3336 5/10 W 2" 106 M.
Slate Shells	2461	3328	867	" 3557-3566 8/10 W 2" 134 M.
Shale Shells Slate	3328	3557	229	" 3652-3661 10/10 W 2" 151 M.
Brown Shale	3557	3574	17	" 3718-3726 12/10 W 2" 165 M.
Slate and Shells	3574	3652	78	" 3980-3985 14/10 W 2" 178 M.
Brown Shale	3652	3664	12	" 4140-4150 18/10 W 2" 202 M.
Slate Shells	3664	3718	54	
Slate	3718	3728	10	
Slate Shells	3728	3842	114	
Brown Shale	3842	3985	143	
White Slate	3985	4363	378	
Brown Shale	4363	4522	159	
Black Shale	4522	4573	51	
C. Lime	4573			
Total Depth				
Shot from 3335 - 3744				

APPROVED

Note: Wire Line run in hole to spool over on kope socket, run off in shot hole in Beria and cavings came in on it unable to fish out. Due to gas below bridging off. Left in line now shows at 2290'

2nd deepening

4573
 2407
 2166

176ⁿ Sept 10 1927

Mr. H.A. Wallace

Well No. 1762 (Serial No. 1762) on Horse Neck Coal Land Farm

Was shot this date with 30 quarts

Number of Shells 1

Length of Shells 4 1/4" x 10"

Top of Shot 2410 ✓

Bottom of Shot 2420 ✓

Top of Beria (Name of Sand) Sand 2407 feet

Bottom of Beria (Name of Sand) Sand 2429 feet

Total Depth of Well 2449

Results: Test before shot 10/10 water 3" ✓
1 hour after " 7/10 water 3" ✓

Remarks: 24 hrs after ✓ 36/10 water 3" ✓

Signed A.A. Price District Supt.

NOTE—When a well is shot this form must be filled out and sent to the General Superintendent.

1762

7/26

1913

Mr. H. G. Wallace

Well No. 1762 (^{Serial No.} 1762) on Horse Creek Coal Land Co

Was shot this date with 2700 # Gelatin ^{quarts}

Number of Shells _____

Length of Shells _____

Top of Shot 3235 ✓

Bottom of Shot 3744 ✓

Top of Slate + Shale Sand 3329 feet
(Name of Sand)

Bottom of Brown Shale Sand 5985 feet
(Name of Sand)

Total Depth of Well 4575

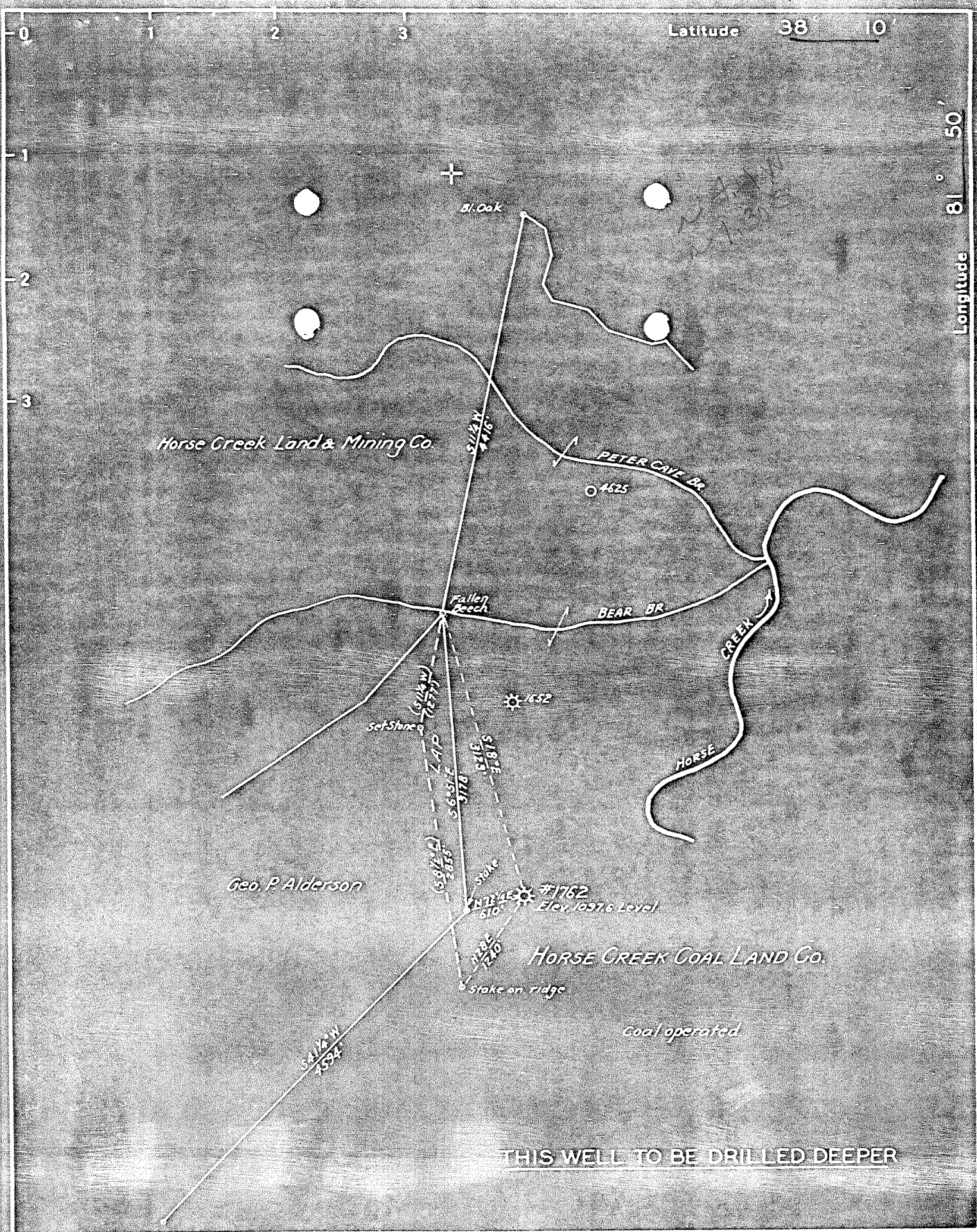
Results: Test before shot 20/10 Water in 2" ✓

Test 24 hrs after 4/10 Merc. in 2" ✓

Remarks: Time bomb 23 hrs
Umbrella Bridge

Signed C. E. Lovland
District Supt.

NOTE—When a well is shot this form must be filled out and sent to the General Superintendent.



Company UNITED FUEL GAS CO.
 Address CHARLESTON, W. VA
 Farm HORSE CREEK COAL LAND CO.
 Tract Acres 10,300 Lease No. 3772
 Well (Farm) No. 23 Serial No. 1762
 Quadrangle MADISON C
 County LINCOLN
 District DUVAL
 Engineer [Signature]
 Engineer's Registration No. 659
 File No. 46-45 Drawing No. _____
 Date MAY 13, 1936 Scale 1" = 1320'

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

WELL LOCATION MAP
 FILE NO. Line 174

+ 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.

REPORT DATE FEB 1, 1982
 REPORT TIME 19.46

COLUMBIA GAS TRANSMISSION CORPORATION
 N.G.P.A. SECTION 108
 APPLICATION FOR WELL CLASSIFICATION

API WELL NO.

47-043-00124

PAGE1214

WELL NUMBER : 801762G
 FARM NAME : HORSE CK COAL LD

PRODUCING UNIT	STATE	LEASE	MEAS. STA. NUMBER	WELL COUNT	THREE MONTH MCF/DAY	DATE MMY	DAYS ON LINE	VOLUME -100- PERCENT	MCF/DAY -100- PERCENT	LINE PRES. PSIA
801762G	WV	3772		1.000000	21.5	1281	30	899	30.0	42
801762G				1.000000		1181	31	181	5.8	73
801762G				1.000000		1081	30	880	29.3	74
801762G				1.000000		0981	31	174	5.6	72
801762G				1.000000		0881	29	815	28.1	41
801762G				1.000000		0781	30	862	28.7	39
801762G				1.000000		0681	30	844	27.2	37
801762G				1.000000		0581	30	788	26.3	36
801762G				1.000000		0481	31	773	24.9	32
801762G				1.000000		0381	28	676	24.1	42
801762G				1.000000		0281	31	739	25.8	41
801762G				1.000000		0181	31	715	23.1	40