

Jamil  
7/14/93

Latitude 38° 00'

Longitude 82° 05'

U.F.G. CO. MIN.

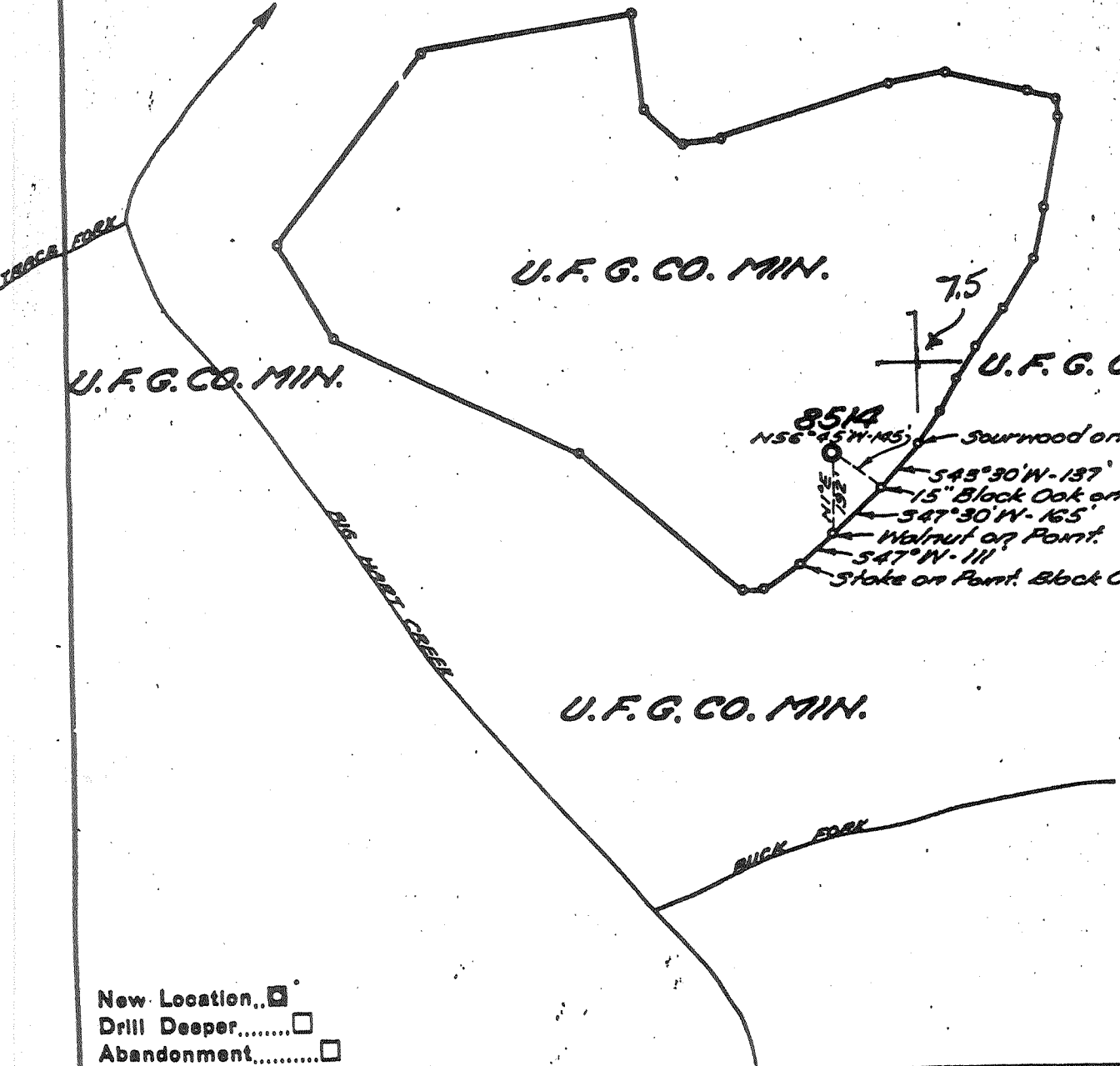
U.F.G. CO. MIN.

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U.F.G. CO. MIN.

8514  
 N56°45'W-145'  
 S45°30'W-137'  
 15" Black Oak on Point.  
 S47°30'W-165'  
 Walnut on Point.  
 S47°W-111'  
 Stake on Point. Black Oak ptr.



New Location..   
 Drill Deeper.....   
 Abandonment.....

Company Columbia Natural Reso.  
 Address Box 6070 Charleston, W.V. 25362-0070  
 Farm UNITED FUEL GAS CO. MIN.  
 Tract 1 Acres 23469.33 Lease No. NO REF.  
 Well (Farm) No. \_\_\_\_\_ Serial No. 8514  
 Elevation (Spirit Level) 865.93'  
 Quadrangle HOLDEN 15 / Tract 7.5  
 County LOGAN District CHAPMANVILLE  
 Engineer Paul E. Jochims  
 Engineer's Registration No. 2529  
 File No. 34-33 Drawing No. \_\_\_\_\_  
 Date 7-3-56 Scale 1" = 400'

STATE OF WEST VIRGINIA  
 Div. of Environmental Protection  
 Office of Oil & Gas  
 Nitro  
 WELL LOCATION MAP  
 AITW 47-045-00573-P

+ Denotes location of well on United States  
 topographic Maps, scale 1 to 62,500, lat-  
 itude and longitude lines being represented  
 by border lines as shown.

- Denotes one inch spaces on border line  
 of original tracing.

JUL 16 1993

Latitude 38° 00'

Longitude 82° 05'

2.1 ~~17~~ 50 of 38° 00'  
3. ~~17~~ 16 W of 82° 05'  
2 WC (6-3)

U.F.G. CO. MIN.

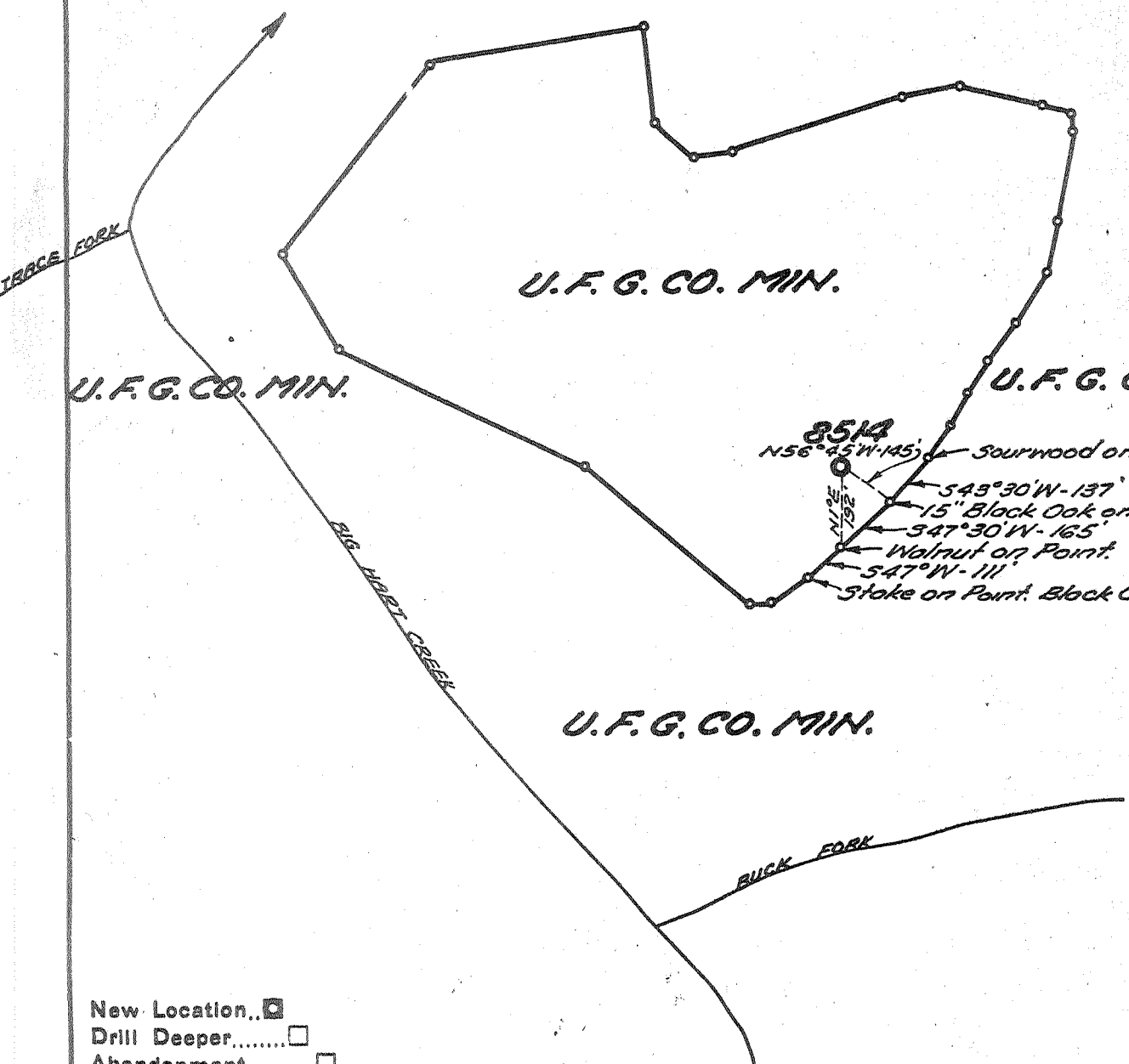
U.F.G. CO. MIN.

U.F.G. CO. MIN.

U.F.G. CO. MIN.

U.F.G. CO. MIN.

8514  
N56°45'W-145'  
Sourwood on Point.  
549°30'W-137'  
15" Black Oak on Point.  
547°30'W-165'  
Walnut on Point.  
547°W-111'  
Stake on Point. Black Oak ptr.



New Location..   
Drill Deeper.....   
Abandonment.....

Company UNITED FUEL GAS CO.  
Address CHARLESTON, W. VA.  
Farm UNITED FUEL GAS CO. MIN.  
Tract 1 Acres 23069.33 Lease No. NO REF.  
Well (Farm) No. \_\_\_\_\_ Serial No. 8514  
Elevation (Spirit Level) 865.93'  
Quadrangle HOLDEN - NC  
County LOGAN District CHAPMANSVILLE  
Engineer Paul E. Orchin  
Engineer's Registration No. 2529  
File No. 34-33 Drawing No. \_\_\_\_\_  
Date 7-3-56 Scale 1" = 400'

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

WELL LOCATION MAP  
FILE NO. LOG-573

+ 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.

66295

Deep Well



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Quadrangle Holden

WELL RECORD

Permit No. LOG-573

Oil or Gas Well Gas  
(KIND)

Company United Fuel Gas Company  
Address P. O. Box 1273; Charleston 25, W. Va.  
Farm United Fuel Gas Co. Min. Tr. #1 Acres 23,469.33  
Location (waters) Big Harts Creek  
Well No. 8514 Elev. 865.93  
District Chapmansville County Logan  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by United Fuel Gas Co.  
Address Charleston, W. Va.  
Drilling commenced 9-26-56  
Drilling completed 12-24-56  
Date Shot 12-27-56 From 3146 To 3844  
With 5,000# Gelatin  
Open Flow 10/10ths Water in 1 Inch  
/10ths Merc. in Inch  
Volume 33,000 Cu. Ft.  
Rock Pressure 415 lbs. 48 hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
Fresh water 200 feet 690 feet  
Salt water 780 feet \_\_\_\_\_ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
18			
10 <u>3/4</u>		<u>12</u>	Size of
<u>8 5/8</u>		<u>477</u>	
<u>7 5/8</u>		<u>1425</u>	Depth set
<u>5 3/16</u>			
8			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
COAL WAS ENCOUNTERED AT 60 FEET 48 INCHES  
300 FEET 60 INCHES FEET INCHES  
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface			0	4	Water 200'	1 bailer per hour	
Gray Mud			4	15			
Sand Rock			15	21	Water 690'	2 bailer per hour	
Blue Mud			21	42			
Slate			42	60	Hole full water 780'		
Coal			60	64			
Slate			64	120	Show oil 1464'		
Slate Blue			120	175			
White Sand			175	190	Gas 1560'	2/10 W 1" 15 M	
Slate			190	210			
Sand			210	260	Gas 3360'	4/10 W 1" 21 M	
Slate			260	272			
Sand			272	290			
Slate			290	300	Test before shot 4/10 W 1" 21 M		
Coal			300	305	Shot 12-27-56 with 5,000# Gelatin from		
Slate			305	315	3146-3844		
Sand			315	360	Test 1 hour after shot 50/10 W 2" 298 M		
Slate			360	407	Test 21 hours after shot 10/10 W 1" 33 M		
Sand			407	471			
Slate			471	575			
Sand			575	625	FINAL OPEN FLOW - 33 M - Br. Shale		
Slate			625	660	48 Hr. R.P. 415#.		
Sand			660	725			
Slate			725	735	Shut in 12-28-56 in 7" casing.		
Salt Sand			735	820			
Slate			820	867			
Sand			867	882			
Slate & Shells			882	892			
Sand			892	1151			
Slate			1151	1185			
Red Rock			1185	1225			
Slate			1225	1270			
Red Rock			1270	1275			
Slate & Shells			1275	1292			
Maxon Sand			1292	1360			
Slate			1360	1365			
Little Lime			1365	1390			
Pencil Cave			1390	1394			

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Big Lime			1394	1596			
Injun Sand			1596	1630			
Slate			1630	1641			
Shell			1641	1670			
Slate			1670	1755			
Shells			1755	1818			
Slate			1818	1823			
Shell			1823	1855			
Slate			1855	1900			
Slate & Shells			1900	2147			
Brown Shell			2147	2165			
Berea Sand			2165	2180			
Shell			2180	2190			
Slate			2190	2610			
Shell			2610	2647			
Grey Slate			2647	3146			
Brown Shale			3146	3415			
Slate			3415	3655			
Brown Shale			3655	3842			
Corniferous			3842	3844			
Total Depth			3844				

462

2165  
866  
1299

3842  
866  

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2976

Date February 7, 1957

APPROVED UNITED FUEL GAS COMPANY, Owner

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
SECTION OF OIL AND GAS

SEP 20

Permitting  
Office of Oil & Gas

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: MULLINS, LESTER LEE Operator Well No.:8514

LOCATION: Elevation: 865.93 Quadrangle: TRACE  
District: GUYAN County: LOGAN  
Latitude: 11250 Feet South of 38 Deg. 0 Min. 0 Sec.  
Longitude 4600 Feet West of 82 Deg. 7 Min. 30 Sec.

Well Type: OIL \_\_\_\_\_ GAS XX

Company: Columbia Natural Resources Coal Operator \_\_\_\_\_  
PO Box 6070 or Owner \_\_\_\_\_  
Charleston, WV 25362

Agent: Joe Campbell Coal Operator \_\_\_\_\_  
or Owner \_\_\_\_\_  
Permit Issued: 07/15/93

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of Lincoln ss:

Scott Parsons and Vernon Eplin being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well, and Ofie Helmick Oil and Gas Inspector representing the Director, say that said work was commenced on the 15th day of August, 1994, and that the well was plugged and filled in the following manner:

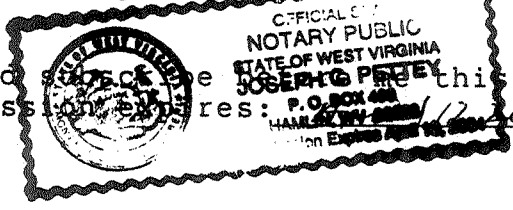
TYPE	FROM	TO	PIPE REMOVED	LEFT
Gel Hole	surface	3844		
Cement	1820'	1720'		
Cement	1525'	1325'		
Cement	800'	700'		
Cement	350'	250'		
Cement	100'	surface		

10/4/94

Description of monument: Erect monument with API No. 47-045-0573P and that the work of plugging and filling said well was completed on the 19th day of August, 1994.

And further deponents saith not.

Sworn and subscribed before me this 22nd day of August, 1994  
My commission expires: 12/31/98  
Scott Parsons  
Vernon Eplin Jr  
Joseph C. Seely  
Notary Public



Oil and Gas Inspector: \_\_\_\_\_  
AUG 8 1994