

New Location
 Drill Deeper
 Abandonment

OCT 11 1960

Handwritten signature and number
 4782

Company	<u>UNITED FUEL GAS CO.</u>
Address	<u>CHARLESTON, W. VA.</u>
Farm	<u>SUNDAY CREEK CO.</u>
Tract	Acres <u>133.92</u> Lease No. <u>9279</u>
Well (Farm) No.	Serial No. <u>3978</u>
Elevation (Spirit Level)	<u>1311.00'</u>
Quadrangle	<u>CLENDENIN</u>
County	<u>KANAWHA</u> District <u>CABIN CREEK</u>
Engineer	<u>Hubert R. Ferrell</u>
Engineer's Registration No.	<u>2529</u>
File No.	<u>70-53</u> Drawing No. _____
Date	<u>9-16-60</u> Scale <u>1" = 1320'</u>

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

WELL LOCATION MAP
 FILE NO. KAN-1314-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.

6-6-214



2081

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Clendenin

Permit No. B14A

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company United Fuel Gas
 Address P.O. Box 1273 - Charleston 25, W. Va.
 Farm Sunday Creek Coal & Land Co. Acres 13,392
 Location (waters) Witchers Creek
 Well No. 3978 Elev. 1311.0
 District Cabin Creek County Kanawha
 The surface of tract is owned in fee by _____
 Address _____
 Mineral rights are owned by Kanawha & Hocking Coal & Coke Co. - 800 Western Reserve Bldg. - Cleveland
 Address 13, Ohio
 Drilling commenced 7-24-29
 Drilling completed 10-10-29
 Date Shot _____ From _____ To _____
 With _____
 Open Flow _____ /10ths Water in _____ Inch
44 /10ths Merc. in 3 Inch
 Volume 2,500,000 Cu. Ft.
 Rock Pressure 260 lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 WELL ACIDIZED _____
 WELL FRACTURED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			<u>Anchor</u>
13			Size of <u>3x5 3/16x3.6</u>
10	<u>655'</u>	<u>655'</u>	Depth set
8 1/4	<u>1560'</u>		
6 5/8	<u>1916'</u>	<u>1916'</u>	
5 3/16			
3		<u>2310'</u>	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

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

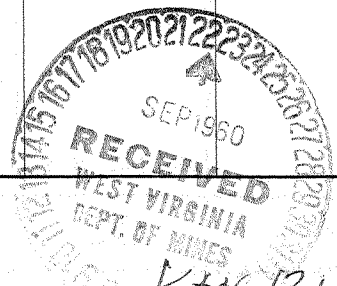
COAL WAS ENCOUNTERED AT 20 FEET 24 INCHES
135 FEET 24 INCHES 175 FEET 24 INCHES
260 FEET 60 INCHES 418 FEET 36 INCHES
 (Coal was encountered at - 590' 24")

RESULT AFTER TREATMENT _____
 ROCK PRESSURE AFTER TREATMENT _____
 Fresh Water _____ Feet _____ Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0	15			
Sand			15	20			
Coal			20	22			
Sand			22	50			
Slate			50	55			
Sand			55	122			
Slate			122	135			
Coal			135	137			
Slate			137	150			
Sand			150	168			
Slate			168	175			
Coal			175	177			
Slate			177	184			
Sand			184	195			
Slate			195	255			
Sand			255	260			
Coal			260	265			Water 3 bailers per hour at 360'
Slate			265	272			
Lime			272	318			
Sand			318	360			
Slate			360	380			
Lime			380	405			
Slate			405	418			
Coal			418	421			
Lime			421	498			
Slate			498	580			
Lime			580	590			
Coal			590	592			
Lime			592	635			
Sand			635	660			

(over)

AUG 2 1961



SUNDAY CREEK COAL CO., No 3978 - U.F.G. Co - KAN-131A-A

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
10" casing set at				653	Steel line	on a collar	
Broken line			660	775			
Sand			775	804			
Black lime			804	860			
Grampus sand			860	963			
Slate and shells			963	1066			
Sand			1066	1090			
Slate			1090	1109			
Broken sand			1109	1253			
Sand			1253	1394	Water hole	full at 1345'	
Slate broken			1394	1415			
Lime			1415	1440			
Slate			1440	1460			
Salt sand			1460	1620			
8-1/4" casing set at				1553	on steel shoe	and pulled	
Lime			1620	1630			
Maxon sand			1630	1728			
Slate and shells			1728	1775			
Little lime			1775	1810			
Pencil cave			1810	1813			
Lime shells			1813	1828			
Slate break			1828	1836			
Black lime			1836	1858			
Big lime			1858	2006			
6-5/8" casing set at				1900	Steel line	measure on bottom hole pkr.	
Big injun			2006	2051			
Slate			2051	2060			
Hole reduced at				2060	Steel line	measure	
Lime shells			2060	2071			
Slate			2071	2075			
Lime			2075	2140			
Slate and shells			2140	2190			
Wier sand			2190	2295			
Gas			2192	2197	4/10 mercury	in 2"	
Gas			2214	2220	8/10 mercury	in 2"	
Gas			2224	2240	14/10 mercury	in 3"	
Gas			2245	2246	36/10 mercury	in 3"	
Gas			2248	2254	40/10 mercury	in 3"	
Gas			2254	2259	3/10 mercury	in 5-5/8"	
Gas			2259	2278	50/10 mercury	in 3"	
Slate			2295	2299	Test when tubed	44/10 mercury in 3"	
Total Depth				2299'	Steel line	measure	

Date September 21, 19 60

APPROVED UNITED FUEL GAS COMPANY, Owner

By J.R. Ferrell
(Title)

Supt. Civil Engineering Dept.