



ACCURACY 1' IN 200'

Location SOURCE ELEV. FORKS ROAD MOUTH RUN 839.00
 Deeper

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

by CARL E. SMITH INC.
 is SANDYVILLE, W.VA.
C. A. CHARTER
 Acres 146.5 Lease No. _____
 (arm) No. 2 Serial No. _____
 (Spirit Level) 1037.87
 (Tie) CENTERPOINT SW
ODDRIDGE District GRANT
G. F. Dye
 Registration No. 804
 Drawing No. _____
23-64 Scale 1" = 40 POLES

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

WELL LOCATION MAP
 FILE NO. DOD-1186

+ 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.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION **2**

Rotary
Spudder
Cable Tools
Storage

Quadrangle Centerpoint

Permit No. DOD 1186

WELL RECORD

Oil or Gas Well Gas

Company Carl E. Smith, Inc.

Address Sandyville, W. Va.

Farm C. A. Charter Acres 116.5

Location (waters) _____

Well No. 2 Elev. 1037.87

District Grant County Doddridge

The surface of tract is owned in fee by _____

C A Charter Address West Union, W. Va.

Mineral rights are owned by Hope Natural Gas Co.

Address Clarksburg, W. V.

Drilling commenced October 9, 1964

Drilling completed May 11, 1965

Date Shot _____ From _____ To _____

With _____

Open Flow _____ /10ths Water in _____ Inch

_____ /10ths Merc. in _____ Inch

Volume 40,000 Cu. Ft.

Rock Pressure 150 lbs. 12 hrs.

Oil _____ bbls., 1st 24 hrs.

WELL ACIDIZED _____

WELL FRACTURED yes

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	16'	16'	
13			Size of
10	408		Depth set
8 1/4	1066		Perf. top
7"	1885		Perf. bottom
5 3/16	2131'	2131'	Perf. top
3			Perf. bottom
2			
Liners Used			

CASING CEMENTED yes SIZE 5 No. Ft. 2131 Date and aquajelled April 22, 1965

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES
_____ FEET _____ INCHES

RESULT AFTER TREATMENT 300,000 cu. ft.

ROCK PRESSURE AFTER TREATMENT 340 pounds in 12 hrs.

Fresh Water _____ Feet 400 Salt Water _____ Feet 1560

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	95			
Slate			95	110			
Red Rock			170	200			
Sand			200	275			
Lime			275	320			
Sand			320	400			
Slate & Shell			400	470	Water	400	
Rock	Red		470	480			
Slate & Shell			480	495			
Sand			495	505			
Slate			505	681			
Sand			681	695			
Slate			695	725			
Sand			725	742			
Lime			742	777			
Sand			777	800			
Slate			800	965			
Sand			965	975			
Slate			975	1035			
Shell			1035	1105			
Sand			1105	1500	Water	1560	
Slate			1550	1570			
Sand			1570	1595			
Slate			1595	1610			
Sand			1610	1860			
Slate Cave			1860	1885			
Lime			1885	1916			
Sand			1916	1945	Gas	1945	show
Big Lime			1945	1995			
Lajin Sand			1995	2115	Gas	2035	show



