

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

M. Street J.
R. P. E. No. 1227

Elevation reference :- Dora Smith Well No. 1, elevation - 986'

Error in closure :- Less than 1' in 200'

New Location
 Drill Deeper
 Abandonment
 Issued 7-23-69

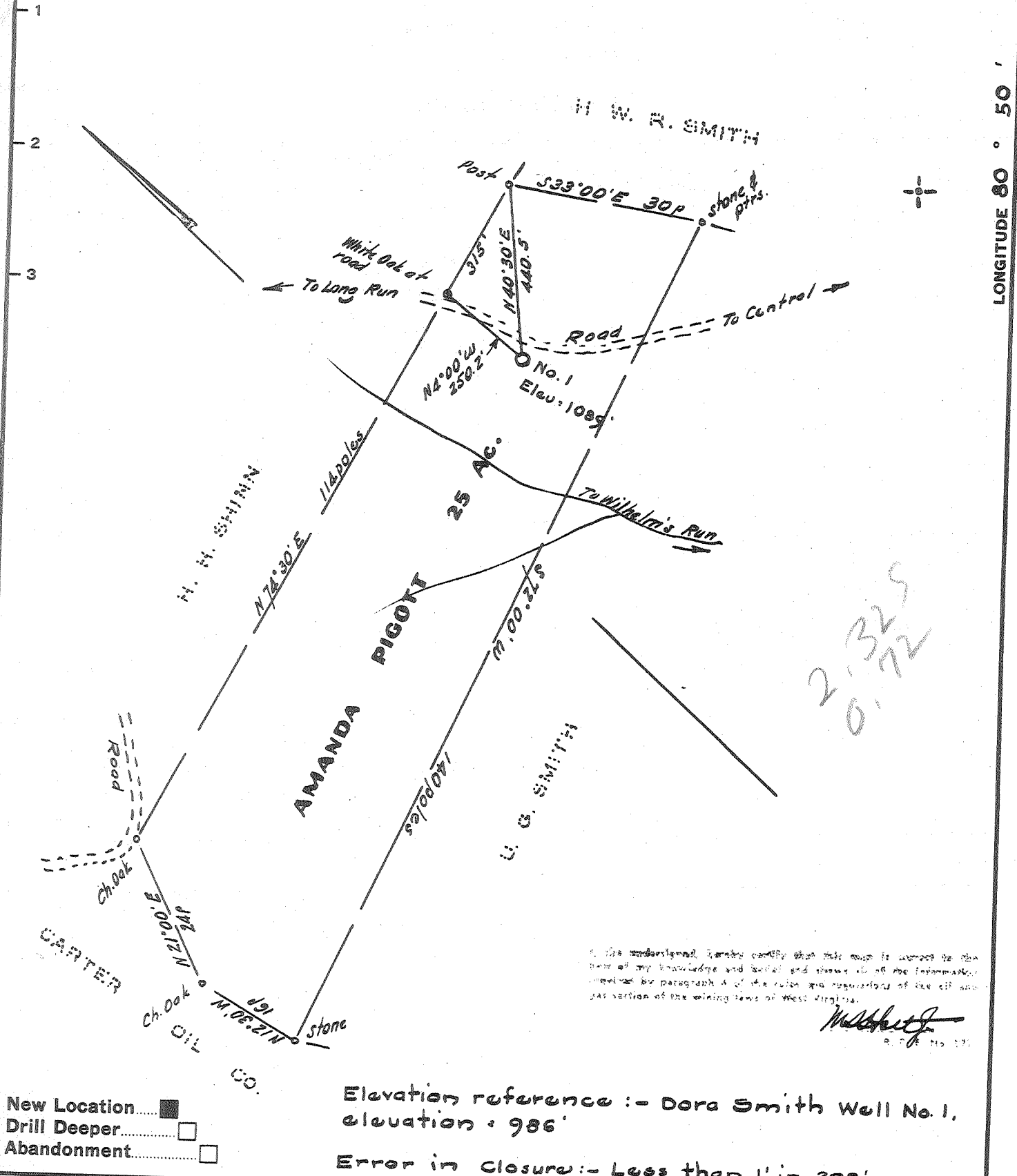
Company RUDDER OIL & GAS CO.
 Address P.O. Box 2118, Parkersburg, W. Va.
 Farm Amanda Rigott
 Tract _____ Acres 25 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 1089
 Quadrangle West Union 50
 County Doddridge District Central
 Engineer M. Street J.
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date July 11, 1964 Scale 1" = 200' = 330'

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

WELL LOCATION MAP
 FILE NO. Dod-1157-P

+ 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.



2.325
0.72

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all of the information required by paragraph 4 of the rules and regulations of the oil and gas version of the mining laws of West Virginia.

W. G. Smith
P. O. No. 171

Company RUDDER OIL & GAS CO.
 Address P.O. Box 2118, Parkersburg, W. Va.
 Farm Amanda Pigott
 Tract _____ Acres 25 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 1089
 Quadrangle West Union 50
 County Doddridge District Central
 Engineer W. G. Smith
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date July 11, 1964 Scale 1" = 20p = 330'

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

WELL LOCATION MAP
 FILE NO. Dod- 1157

+ 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 89



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 9

Rotary
Spudder
Cable Tools
Storage

Oil or Gas Well both
(KIND)

Quadrangle West Union
Permit No. DOD - 1157

WELL RECORD

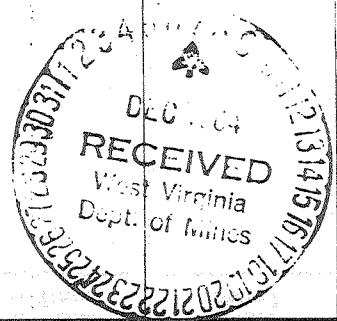
Company Rudder Oil & Gas Company
Address P.O. Box 126, Belpre, Ohio
Farm Amanda Pigott Acres 25
Location (waters) Lick Run
Well No. 1 Elev. 1089
District Central County Doddridge
The surface of tract is owned in fee by Edna Ruth Robinson Address 2501 Tennessee Ave. Tampa, Florida
Mineral rights are owned by same Address _____
Drilling commenced August 1, 1964
Drilling completed October 8, 1964
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in none Inch _____
/10ths Merc. in _____ Inch _____
Volume _____ Cu. Ft. _____
Rock Pressure _____ lbs. _____ hrs.
Oil show bbls., 1st 24 hrs. _____
WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer _____
16			
13	15	15	
10	143	-0-	Size of _____
8 1/2	510	-0-	
6 1/8 7	1486	-0-	Depth set _____ open hole
5 3/16			
4 1/2		2070	Perf. top <u>2115</u>
2		2000	Perf. bottom <u>2123</u>
Liners Used			Perf. top <u>(20 holes)</u>
			Perf. bottom _____

CASING CEMENTED 1/2 SIZE 2070 No. Ft. 10/9/64 Date
Lawson Cmtg. Co. 60 sacks cem., 6 gel
COAL WAS ENCOUNTERED AT -0 FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

WELL FRACTURED Halliburton Company 10/13/64
26,000 gals. water; 19,000 lbs. 20/40 sand; 4500 lbs. - 10/20 sand
RESULT AFTER TREATMENT 250,000 gas; 10 bbls. oil
ROCK PRESSURE AFTER TREATMENT 450 lbs. 48 hours
Fresh Water _____ Feet _____ Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
<u>DRILLER'S LOG</u>							
Red rock		soft	0	19			
Lime		hard	19	50			
Rock	red	soft	50	120			
Sand		hard	120	140			
Shale	gray	soft	140	155			
Rock	red	soft	155	211			
Sand		hard	211	249			
Shale		soft	249	295			
Sand		hard	295	314			
Rock	red	soft	314	360			
Shale (shells)		soft	360	400			
Rock	red	soft	400	581			
Sand		hard	581	660			
Slate		soft	660	672			
Sand		hard	672	680			
Slate (shells)		soft	680	736			
Lime		hard	736	760			
Slate		soft	760	828			
Lime		hard	828	855			
Slate		soft	855	906			
Rock	red	soft	906	958			
Sand		hard	958	1176			
Rock	gray & red	soft	1176	1205			
Sand		hard	1205	1241			



Formation	Color	Hard or Soft	Top <i>9</i>	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate		soft	1241	1266			
Sand		hard	1266	1271			
Lime		hard	1271	1380			
Salt sand		hard	1380	1494			
Slate		soft	1494	1520			
Sand		hard	1520	1645			
Slate		soft	1645	1700			
Sand		hard	1700	1720			
Slate		soft	1720	1750			
Lime		hard	1750	1860			
Slate		soft	1860	1895			
Rock	pink red	soft	1895	1931			
Rock		soft	1931	1942			
Slate		soft	1942	1980			
Sand		hard	1980	2000			
Big Lime		hard	2000	2055			
Keener		hard	2055	2070			
Big Injun		hard	2070	2110	2085-2094	Oil odor	
Shale		soft	2110	2120	2094-2105	Oil show	
Squaw		hard	2120	2160			
Shale		soft	2160	2175			

Date December 4, 1964

APPROVED Rudder Oil and Gas Company, Owner

By Neal Rudder
President (Title)