

New Location
 Drill Deeper
 Abandonment

Elev. ref.: B.M. (U.S.G.S.) top of Greenwood Hill = 1160'

Error in closure: Less than 1' in 200

Company RUDDER OIL & GAS CO.
 Address P.O. Box 126, Belpre, Ohio.
 Farm J. W. Waldo
 Tract _____ Acres 63 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 1110
 Quadrangle West Union - SC
 County Doddridge District Central
 Engineer W. H. [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Oct. 9, 1964 Scale 1" = 495'

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

WELL LOCATION MAP
 FILE NO. Dod - 1189

† 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.

6-089



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 7

Rotary
Spudder
Cable Tools
Storage

Oil or Gas Well dry hole
(KIND)

WELL RECORD

Quadrangle West Union

Permit No. DOD-1189

Company Rudder Oil and Gas Company
Address P. O. Box 136, Belpre, Ohio
Farm J. W. Waldo Acres 63
Location (waters) Cabin Run
Well No. 1 Elev. 1110
District Central County Doddridge
The surface of tract is owned in fee by J. W. Waldo
Address Greenwood, W. Va.
Mineral rights are owned by J. W. Waldo
Address Greenwood, W. Va.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	580		Size of
8	1150		
7	1810		Depth set
5 3/16			
4 1/2		2019	Perf. top 2010
2			Perf. bottom 1786
Liners Used			Perf. top 1792
			Perf. bottom

Drilling commenced October 30, 1964
Drilling completed December 11, 1964
Date Shot From To
With
Open Flow 8 /10ths Water in Inch
 /10ths Merc. in Inch
Volume none Cu. Ft.
Rock Pressure lbs. hrs.
Oil none bbls., 1st 24 hrs.
WELL ACIDIZED

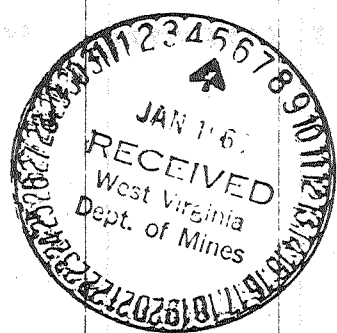
CASING CEMENTED 4 1/2 SIZE 2019 No. Ft. 12/15/64 Date
Lawson Cmtg Co. 75 sks sand, 4 sks gel

COAL WAS ENCOUNTERED AT none FEET INCHES
 FEET INCHES FEET INCHES
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WELL FRACTURED Halliburton 12/21/64 - stage 2 - 28,000 water; 15,000 20/40
stage 1 - 22,000 water, 150,000 20/40 sand, 5,000 10/20 sand

RESULT AFTER TREATMENT dry hole
ROCK PRESSURE AFTER TREATMENT 150 PSI 72 hours
Fresh Water Feet Salt Water Feet

Formation	Cclor	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
<u>DRILLER'S LOG</u>							
Clay	yellow & red	soft	0	20			
Rock	red	soft	20	48			
Sand		hard	48	75			
Slate		soft	75	90			
Slate		soft	90	140			
Rock	red	soft	140	165			
Slate		soft	165	332			
Sand		hard	332	370			
Slate		soft	370	455			
Sand		hard	455	460			
Rock	red	soft	460	500			
Sand		hard	500	515			
Slate		soft	515	530			
Sand		hard	530	555			
Slate		soft	555	575			
Sand		hard	575	590			
Slate & shells		soft	590	630			
Sand		hard	630	645			
Slate & shells		soft	645	720			
Sand		hard	720	735			
Slate		soft	735	772			
Rock	red	soft	772	790			
Slate		soft	790	815			
Rock	red	soft	815	845			



Formation	Color	Hard or Soft	Top γ	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate		soft	845	872			
Lime		hard	872	882			
Rock	red	soft	882	895			
Sand		hard	895	915			
Slate		soft	915	1050			
Sand		hard	1050	1065			
Slate		soft	1065	1075			
Sand		hard	1075	1090			
Slate		soft	1090	1135			
Sand		hard	1135	1160			
Slate & broken sand		hard	1160	1190			
Slate		soft	1190	1370			
Sand		hard	1370	1400			
Slate		soft	1400	1422			
Sand		hard	1422	1460	water	1440-1447	2 1/4 bailers per hour
Slate		soft	1460	1485			
Sand		hard	1485	1515			
Slate		soft	1515	1625			
Sand		hard	1625	1655			
Slate		soft	1655	1773			
Sand (Maxton)		hard	1773	1802	gas test	@ 1776	8/10 2"
Slate		soft	1802	1815			
Lime		hard	1815	1832			
Sand		hard	1832	1838			
Pencil Cave		soft	1838	1840	oil	1853-1860	
Big Lime		hard	1840	1921			
Sand		hard	1921	2002	gas	1935-1939	
Slate		soft	2002	2028	&	1976-1983	
					oil scum	1964-1969	

Date January 4, 1965

APPROVED Rudder, Oil and Gas Company, Owner

By Neal Rudder
President (Title)