

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.

W. H. Hester Jr.
R. P. E. No. 1227

New Location
Drill Deeper
Abandonment

Elev. reference - Old Long Run School
Elev = 867

used 7/30/74

Error in closure - Less than 1' in 200'

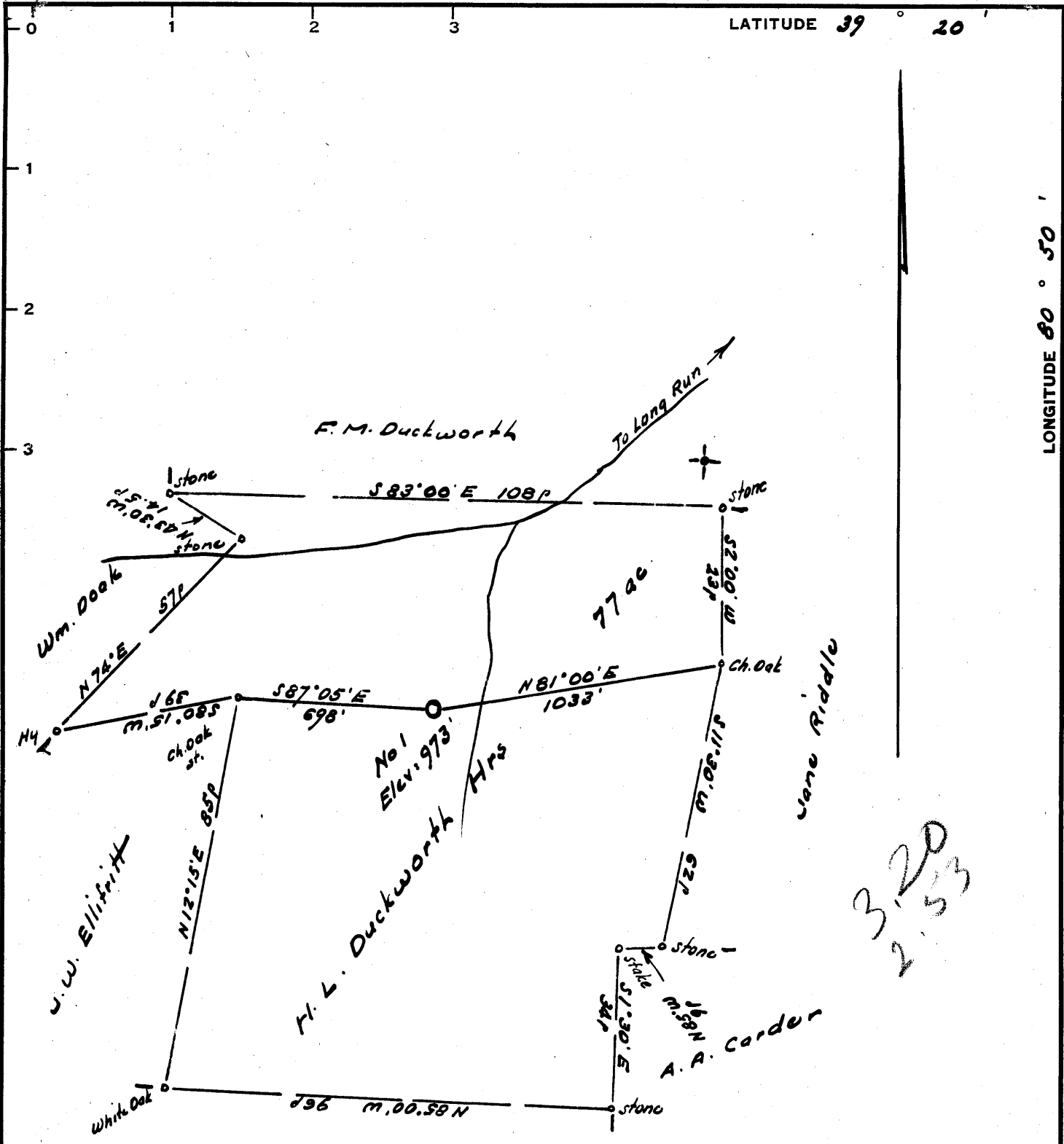
Nomeo Oil & Gas Corp. for:
Company Rudder Oil & Gas Co.
P.O. 130 x 99, Belpre, Ohio 45714
Address Box 2112, Parkersburg, W. Va.
Farm H. L. Duckworth
Tract _____ Acres 77.0 Lease No. _____
Well (Farm) No. One Serial No. _____
Elevation (Spirit Level) 973
Quadrangle West Union SC
County Doddridge District Central
Engineer W. H. Hester Jr.
Engineer's Registration No. 1227
File No. _____ Drawing No. _____
Date July 17, 1964 Scale 1" = 300' = 495'

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

WELL LOCATION MAP
FILE NO. Dod-1164-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.
H7-017



LATITUDE 39 20

LONGITUDE 80 50

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W. H. Hester, Jr.
R. F. R. No. 1227

- New Location
- Drill Deeper
- Abandonment

Elev. reference - Old Long Run School
Elev = 867

Error in closure - Less than 1' in 200

Company Rudder Oil & Gas Co.
 Address P.O. Box 2118, Parkersburg, W. Va.
 Farm H. L. Duckworth
 Tract _____ Acres 77.0 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 973
 Quadrangle West Union SC
 County Doddridge District Central
 Engineer W. H. Hester, Jr.
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date July 17, 1964 Scale 1" = 300' = 495'

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
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CHARLESTON

WELL LOCATION MAP
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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 4

Rotary
Spudder
Cable Tools
Storage

Quadrangle West Union

Permit No. DOD-1164

WELL RECORD

Oil or Gas Well Oil
(KIND)

Company Rudder Oil & Gas Company
Address Box 126, Belpre, Ohio
Farm H. L. Duckworth Heirs Acres 77
Location (waters) Long Run
Well No. 1 Elev. 973
District Central County Doddridge
The surface of tract is owned in fee by Ketah Duckworth et al Address Clarksburg, W. Va.
Mineral rights are owned by Ketah Duckworth et al Address Clarksburg, W. Va.
Drilling commenced August 1, 1964
Drilling completed August 22, 1964
Date Shot From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume show Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil show bbls., 1st 24 hrs.
WELL ACIDIZED no

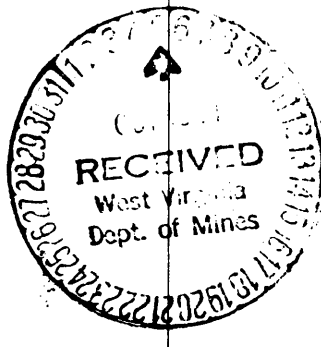
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13	12	12	
10	538	0	Size of
8 1/4	1144	0	
6 3/4			Depth set
5 3/16			
3			Perf. top <u>1937</u>
2			Perf. bottom <u>1950</u>
Liners Used			Perf. top _____
			Perf. bottom _____

WELL FRACTURED Halliburton Co. 8-25-64 23,330 gal water 15,000 sand

CASING CEMENTED 4 1/2 SIZE 2001 No. Ft. 8/22/64 Date
Lawson Cementing Co. 65 sks - 6 gel
COAL WAS ENCOUNTERED AT none FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

RESULT AFTER TREATMENT 20 barrels oil
ROCK PRESSURE AFTER TREATMENT 250 # 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>							
Rock	red	soft	0	10			
Slate		soft	10	35			
Creek Bed		soft	35	40			
Slate		soft	40	50			
Sand		hard	50	90			
Slate		soft	90	160			
Sand		hard	160	170			
Red rock & slate		soft	170	320			
Slate		soft	320	338			
Sand		hard	338	350			
Rock	red	soft	350	375			
Lime		hard	375	390			
Red rock & Slate		soft	390	413			
Sand		hard	413	422			
Rock	red	soft	422	450			
Slate		soft	450	480			
Sand		hard	480	525			
Slate & Shells		soft	525	597			
Lime Pitt.		hard	597	610			
Slate		soft	610	660			
Sand		hard	660	670			
Slate		soft	670	715			
Rock	red	soft	715	740			
Slate		soft	740	765			



Formation	Color	Hard or Soft	Top 4	Bottom	Oil, Gas or Water	Depth Found	Remarks
Rock	red	soft	765	828			
Slate (shells)		soft	828	850			
Sand		hard	850	883			
Slate & shells		soft	883	910			
Sand		hard	910	925			
Slate		soft	925	945			
Sand		hard	945	965			
Slate		soft	965	1030			
Sand		hard	1030	1040			
Broken Sand		hard	1040	1060	water	@ 1050	1 bauler per hour
Slate		soft	1060	1076			
Sand		hard	1076	1115			
Slate		soft	1115	1140			
Sand		hard	1140	1150			
Slate		soft	1150	1330			
Sand		hard	1130	1375			
Lime		hard	1375	1400			
Sand		hard	1400	1430			
Slate		soft	1430	1450			
Sand		hard	1450	1473			
Slate		soft	1473	1495			
Sand		hard	1495	1520			
Slate		soft	1520	1525			
Sand		hard	1525	1570			
Slate		soft	1570	1577			
Sand		hard	1577	1610			
Slate		soft	1610	1723			
Sand Maxon		hard	1723	1778			
Slate		soft	1778	1788			
Lime		hard	1788	1814			
Slate		soft	1814	1825			
Big Lime		hard	1825	1897			
Sand		hard	1897	1972	show gas	@ 1900-1908	
Slate		soft	1972	2002	show oil	@ 1943-1960	

Date September 30, 1964

APPROVED RUDDER OIL & GAS CO., Owner

By Neal Rudder
President (Title)