

Latitude 39 ° 15 '

Longitude 80 ° 40 '

MINIMUM ERROR OF CLOSURE $\frac{1}{500} \pm$

SOURCE OF ELEVATION Fork of Road @ southeast corner of farm

Elev. 829

New Location

Drill Deeper _____

Abandonment

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.

Company Rudder Oil & Gas Co.
 P.O. Box 99, Belpre, Ohio 45714
 Address Box 2118, Parkersburg, W. Va.

Farm Alfred Lee Willis
 Tract 1 Acres 36 Lease No. _____
 Well (Farm) No. 2 Serial No. _____
 Elevation (Spirit Level) 858
 Quadrangle Vadis NW
 County Doddridge District New Milton
 Engineer Parker E. Peters
 Engineer's Registration No. 485
 File No. _____ Drawing No. _____
 Date May 28, 1963 Scale 1" = 20 P.

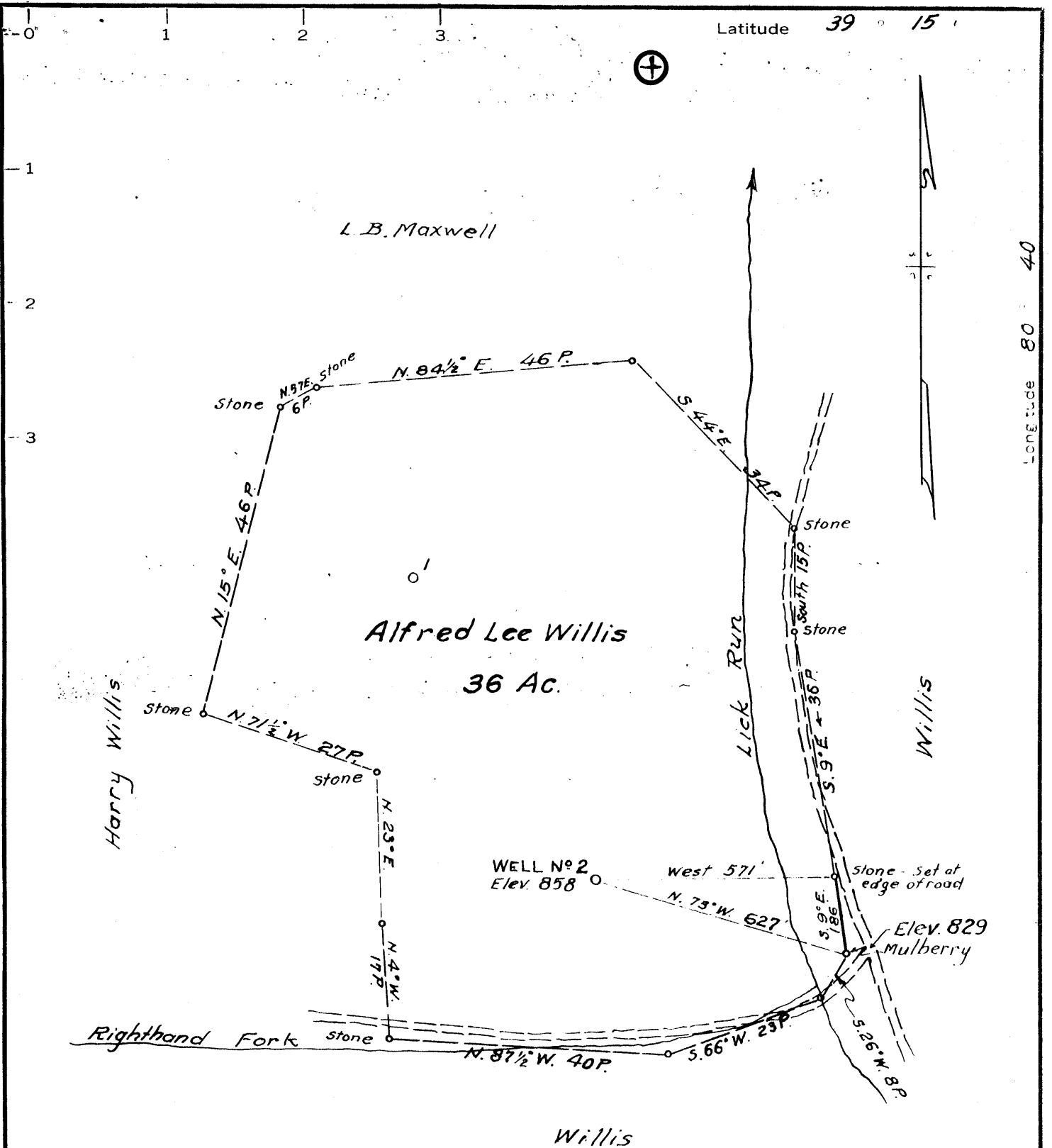
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. D00-995-2
PLUGGING CANCELED

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.

47-017 OCT 12 1976



Longitude 80° 40'

MINIMUM ERROR OF CLOSURE $1/500 \pm$

SOURCE OF ELEVATION Fork of Road @ southeast corner of farm
Elev. 829

New Location
Drill Deeper
Abandonment

"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."

Record 7/30/74
Ramsco Oil & Gas Corp. For
Company Rudder Oil & Gas Co.
P.O. Box 99, Belpre, Ohio 43714
Address Box 2118, Parkersburg, W.Va.
Farm Alfred Lee Willis
Tract 1 Acres 36 Lease No. _____
Well (Farm) No. 2 Serial No. _____
Elevation (Spirit Level) 858
Quadrangle Vadis NW
County Doddridge District New Milton
Engineer Parker E. Peters
Engineer's Registration No. 485
File No. _____ Drawing No. _____
Date May 28, 1963 Scale 1" = 20 P.

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

WELL LOCATION MAP
FILE NO. Dod-995-P

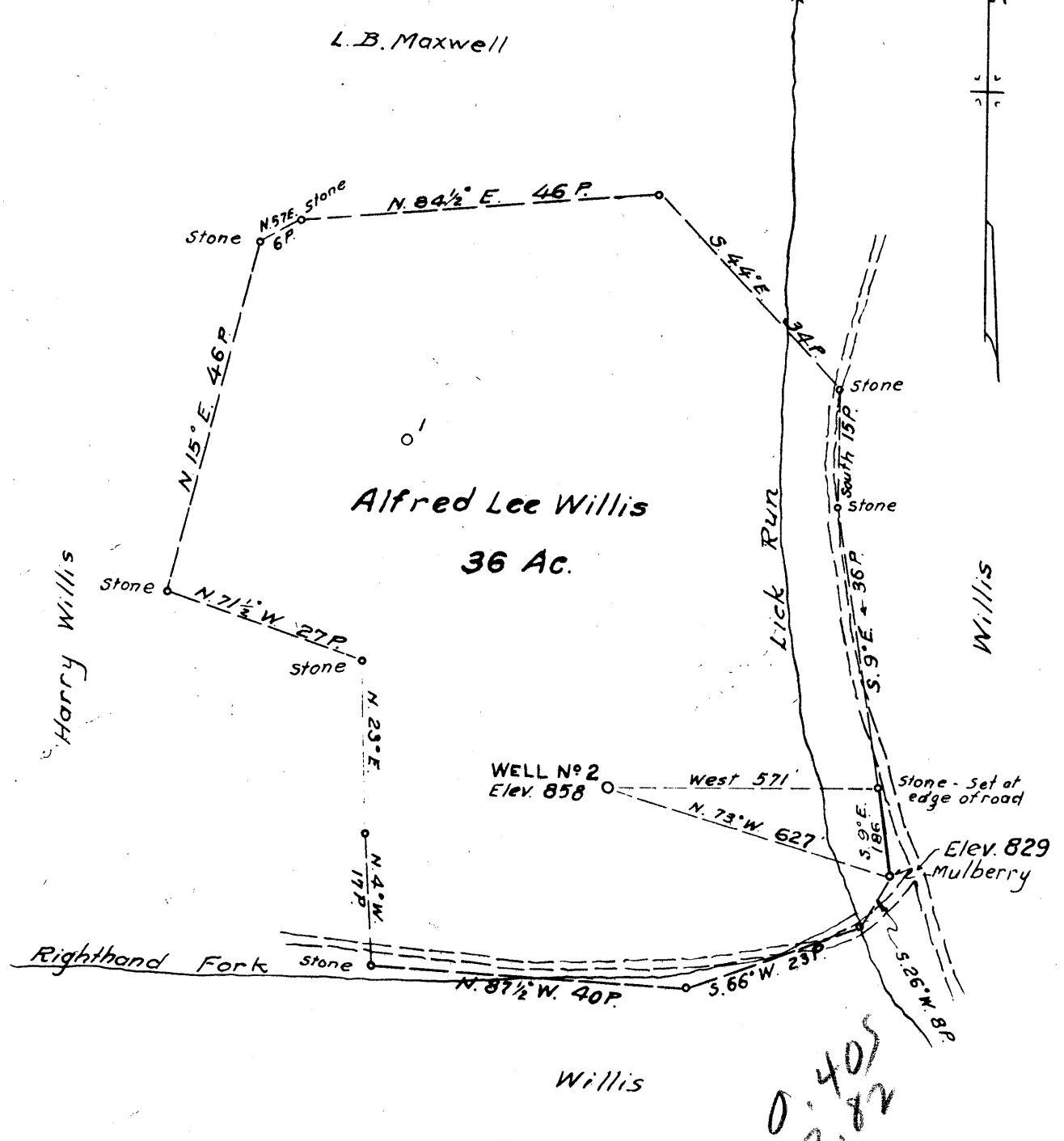
| Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

Denotes one inch spaces on border line of original tracing.

47-017

Latitude 39° 15'

Longitude 80° 40'



MINIMUM ERROR OF CLOSURE 1/500 ±

SOURCE OF ELEVATION Fork of Road @ southeast corner of farm
Elev. 829

New Location X
 Drill Deeper _____
 Abandonment _____

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

Company Rudder Oil & Gas Co.
 Address Box 2118, Parkersburg, W. Va.
 Farm Alfred Lee Willis
 Tract 1 Acres 36 Lease No. _____
 Well Farm No. 2 Serial No. _____
 Elevation Spirit Level 858
 Quadrangle Vadi's NW
 County Doddridge District New Milton
 Engineer Parker & Peters
 Engineer's Registration No. 485
 File No. _____ Drawing No. _____
 Date May 28, 1963 Scale 1" = 20 P.

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

WELL LOCATION MAP
 FILE NO. Doo-995

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

Rotary
Spudder
Cable Tools
Storage

Quadrangle VADIS

Permit No. DOD-995

WELL RECORD

Oil or Gas Well Oil & Gas
(KIND)

Company Rudder Oil & Gas Company
Address Box 2118, Parkersburg, W. Va.
Farm Alfred Lee Willis Acres 36
Location (waters) Lick Run
Well No. 2 Elev. 858'
District New Milton County Doddridge
The surface of tract is owned in fee by Alfred Lee Willis
Address Rt 1, New Milton
Mineral rights are owned by Alfred Lee Willis
Address Rt 1, New Milton
Drilling commenced July 15, 1963
Drilling completed Sept 1, 1963
Date Shot From To
With
Open Flow 4 /10ths Water in 2 Inch
/10ths Merc. in Inch
Volume 81 M Cu. Ft.
Rock Pressure lbs. hrs.
Oil bbls., 1st 24 hrs.
WELL ACIDIZED

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
10 <u>14</u>	65	65	
10	179	0	Size of
8 1/4	752	0	
6 3/4			Depth set
5 3/16 <u>4 1/2</u>	2333	2333	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 4 1/2 SIZE 2333 No. Ft. 9/1/63 Date
LAWSON 110 Cem, 10 Gel

COAL WAS ENCOUNTERED AT 0 FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

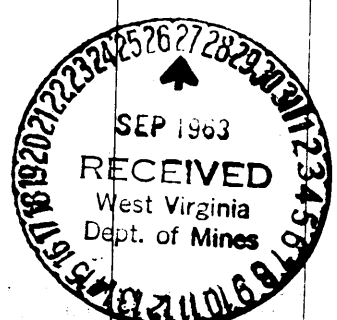
WELL FRACTURED Halliburton 9/4/63 = Gordon 22,800 gal, 25,000# 20/40 sand;
Big Injun 39,000 gal, 50,000 # 20/40 sand

RESULT AFTER TREATMENT 2,500 M Undetermined oil

ROCK PRESSURE AFTER TREATMENT 500 # in 48 hrs

Fresh Water Feet Salt Water Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil		Soft	0	5			
Gravel		Soft	5	25			
Redrock		Soft	25	47			
Slate		Soft	47	65			
Sand		Hard	65	75			
Slate		Soft	75	103			
Lime		Hard	103	118			
Slate		Soft	Soft 118	125			
Redrock		Soft	125	130			
Slate		Soft	130	139			
Slate Redrock		Soft	139	154			
Lime Slate		Hard Soft	154	199			
Lime		Hard	199	215			
Slate		Soft	215	294			
Redrock		Soft	294	300			
Slate		Soft	300	331			
Redrock		Soft	331	355			
Slate		Soft	355	365			
Sand		Hard	365	378			
Slate		Soft	378	383			
Redrock		Soft	383	410			
Slate		Soft	410	430			
Lime		Hard	430	442			
Slate		Soft	442	476			
Redrock		Soft	476	488			
Slate		Soft	488	560			



Formation	Color	Hard or Soft	Top 5'	Bottom	Oil, Gas or Water	Depth Found	Remarks
Redrock		Soft	560	585			
Slate		Gritty	585	612			
Redrock		Soft	612	617			
Slate		Soft	617	652			
Pinkrock		Soft	652	657			
Slate	White	Soft	657	750			
Sand	White	Hard	750	800			
Slate	White	Soft	800	830			
Sand	White	Hard	830	865			
Slate	Gray	Soft	865	870			
Sand	White	Hard	870	893			
Slate	Black	Soft	893	911			
Sand	White	Hard	911	948			
Slate	Black	Soft	948	973			
Sand	White	Hard	973	995			
Slate	White	Soft	995	1045			
Sand	White	Hard	1045	1115			
Slate	Gray	Soft	1115	1170			
Sand	White	Hard	1170	1180			
Slate	Black	Soft	1180	1220			
Sand	White	Hard	1220	1228			
Slate	Blue	Soft	1228	1245			
Sand	White	Hard	1245	1301			
Slate	Black	Soft	1301	1313			
Lime		Hard	1313	1315			
Slate		Soft Soft	1315	1318			
Lime	Black	Hard	1318	1390			
Slate		Soft	1390	1416			
Lime		Hard	1416	1422			
Slate		Soft	1422	1436	Sand		
Sand		Hard	1436	1440			
Slate		Soft	1440	1453			
Redrock		Soft	1453	1474			
Lime		Hard	1474	1478			
Redrock		Soft	1478	1505			
Lime		Hard	1505	1520			
Slate		Soft	1520	1525			
Sand		Hard	1525	1556	show of oil @ 1552-1554,		show of gas 1552-1554
Big Lime		Hard	1556	1619			
Big Injun		Hard	1619	1690	gas pay @ 1658-1688		
Slate		Soft	1690	1741			
Shells		Hard	1741	1840			
Sand		Hard	1840	1933	show of oil @ 1841		Very hard
Lime		Gritty	1933	1980			
Slate		Soft	1980	2163			
Lime		Hard	2163	2168			
Slate		Soft	2168	2247			
Gordon Stray		Hard	2247	2267	show of oil @ 2261		
Slate		Soft	2267	2270			
Gordon		Hard	2270	2280			
Lime & Shells		Hard	2280	2335			
Lime		Hard	2335	2346	Note: No Fifth Sand		
Sand		Hard	2346	2350			
Slate		Soft	2350	2585			

Date September 25, 1963, 19

APPROVED Rudder Oil & Gas Company, Owner

By Neal Rudder
Owner (Title)