

MINIMUM ERROR OF CLOSURE 1/500

SOURCE OF ELEVATION Fork of road at S E corner of ~~land 7/50119~~ farm. Elevation ~ 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.

Ramsco Oil & Gas Corp.
 For: Rudder Oil and Gas Company
 P.O. Box 99, Beltsville, Md. 20714
 Address ~~_____~~

Farm Alfred Lee Willis
 Tract 1 Acres 36 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1079
 Quadrangle Yadis NW
 County Doddridge District New Milton
 Engineer Parker E. Peters
 Engineer's Registration No. 485
 File No. _____ Drawing No. _____
 Date Apr. 30, 1963 Scale 1" = 20P

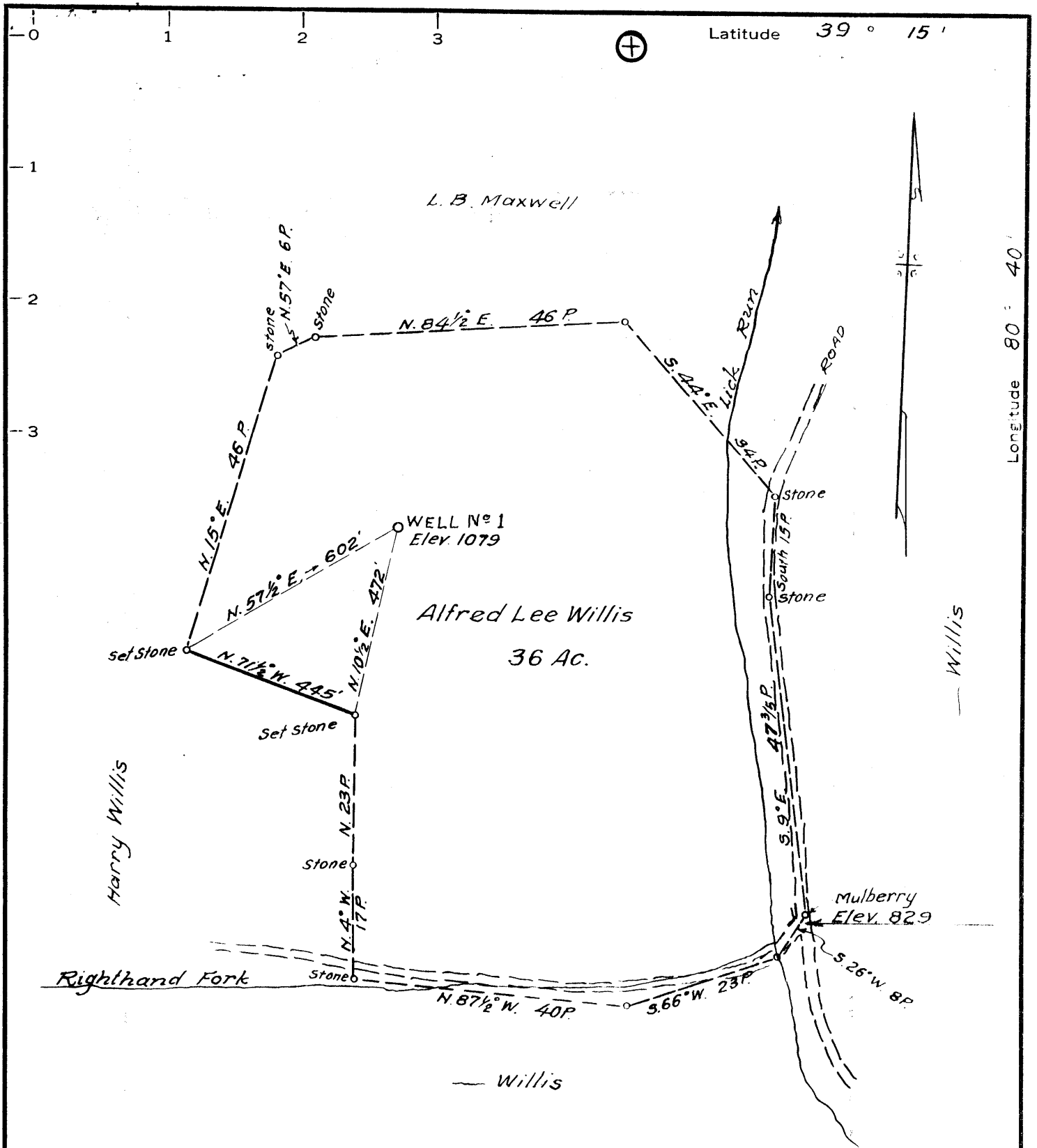
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. **Dod-979-P**
 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



Latitude 39 ° 15 '

Longitude 80 : 40 '

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Issued 7/30/74 farm. Elevation ~ 829

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 Abandonment

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Ramsdell Gas Corp.
 Company Rudder Oil and Gas Company
 Address P.O. Box 99, Seale, Ohio 45771

Farm Alfred Lee Willis
 Tract. 1 Acres 36 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1079
 Quadrangle Vadis NW
 County Doddridge District New Milton
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STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
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47-017



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

Quadrangle VADIS

Permit No. DOD - 979

WELL RECORD

Oil or Gas Well 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. 1 Elev. 1079'
District NEW MILTON County DODDRIDGE
The surface of tract is owned in fee by ALFRED LEE WILLIS
Address NEW MILTON P.O.
Mineral rights are owned by ALFRED LEE WILLIS
Address NEW MILTON P.O.
Drilling commenced MAY 29, 1963
Drilling completed JUNE 28, 1963
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume 250,000 Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16 CONDUCTOR		10'	Kind of Packer _____
13			
10	144'	0	Size of _____
8 1/4	779'	120'	
6 5/8			Depth set _____
5 3/16			
4 1/2	1993'	1993'	Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 4 1/2 SIZE 1993' No. Ft. 6/28/63 Date
LAWSON CMTG CO * 80 Sks Cem, 8 Sks Gel

COAL WAS ENCOUNTERED AT NONE FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

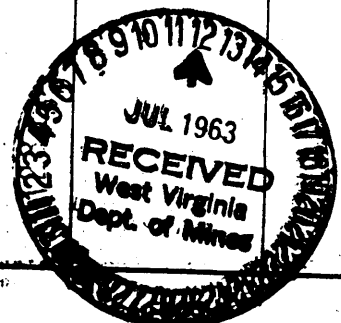
WELL FRACTURED 7/3/63 - HALLIBURTON CO. - 42,000 gal treated water, 40,000# 20/40 sand.

RESULT AFTER TREATMENT 2,000M Gas

ROCK PRESSURE AFTER TREATMENT 540# in 24 hrs

Fresh Water 970'-1012' Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay		Soft	0	5			
Red rock	Red	Soft	5	15			
Soapstone		Hard	15	25			
Redrock	Red	Soft	25	30	Water @ 38'		
Slate & Shells		Med	30	70	Crevasse @ 63'		
Sand		Med	70	90			
Slate		Soft	90	93			
Redrock	Red	Soft	93	100			
Slate & Shells		Med	100	115	Water @ 105'		
Redrock	Red	Soft	115	148			
Slate		Soft	148	200	Water @ 160'		
Lime		Hard	200	205			
Slate		Soft	205	218			
Redrock		Soft	218	245			
Sand		Hard	245	250			
Redrock	Red	Soft	250	284			
Slate		Soft	284	320			
Sand		Med	320	355			
Redrock	Red	Soft	355	367			
Lime		Hard	367	380			
Slate		Soft	380	430			
Lime		Hard	430	449			
Slate		Soft	449	560			
Redrock	Red	Soft	560	570			
Slate		Soft	570	603			
Sand		Hard	603	612			



Formation	Color	Hard or Soft	Top ⁷	Bottom	Oil, Gas or Water	Depth Found	Remarks
Redrock	Red	Soft	612	635			
Slate		Soft	635	645			
Redrock	Red	Soft	645	653			
Lime		Hard	653	677			
Sand		Hard	677	686			
Redrock	Red	Soft	686	718			
Slate		Soft	718	777			
Sand		Hard	777	785			
Slate		Soft	785	795			
Redrock	Red	Soft	795	810			
Slate		Soft	810	836			
Redrock		Soft	836	840			
Slate		Soft	840	890			
Slate		Soft	890	970			
Sand		Hard	970	1012			
Slate		Soft	1012	1020	Water - two bailers		per hr
Lime		Hard	1020	1055			
Sand		Med	1055	1117			
Slate		Soft	1117	1125			
Sand		Med	1125	1175			
Slate		Soft	1175	1214			
Sand		Hard	1214	1232			
Slate		Soft	1232	1275			
Sand		Med	1275	1349			
Slate		Soft	1349	1421			
Sand		Hard	1421	1426			
Slate		Soft	1426	1518			
Sand		Hard	1518	1539			
Slate		Soft	1539	1667			
Sand		Hard	1667	1670			
Redrock	Red	Soft	1670	1679			
Lime		Hard	1679	1685			
Slate		Soft	1685	1707			
Sand		Hard	1707	1720			
Redrock	Red	Soft	1720	1729			
Slate		Soft	1729	1740			
Lime		Hard	1740	1754			
Slate		Soft	1754	1768			
Sand		Hard	1768	1795	Oil show @ 1782		Gas @ 1785
BigLime		Hard	1795	1851			
Sand		Hard	1851	1873	Gas show @ 1856-1866		
Slate		Soft	1873	1875			
Sand		Hard	1875	1949	Gas @ 1878-1882, 1910		
Slate		Soft	1949	1993	Oil @ 1878-1882 (show)		

Date JULY 11, 1963

APPROVED RUDDER OIL & GAS COMPANY, Owner

By Neal Rudder
ENGINEER (Title)