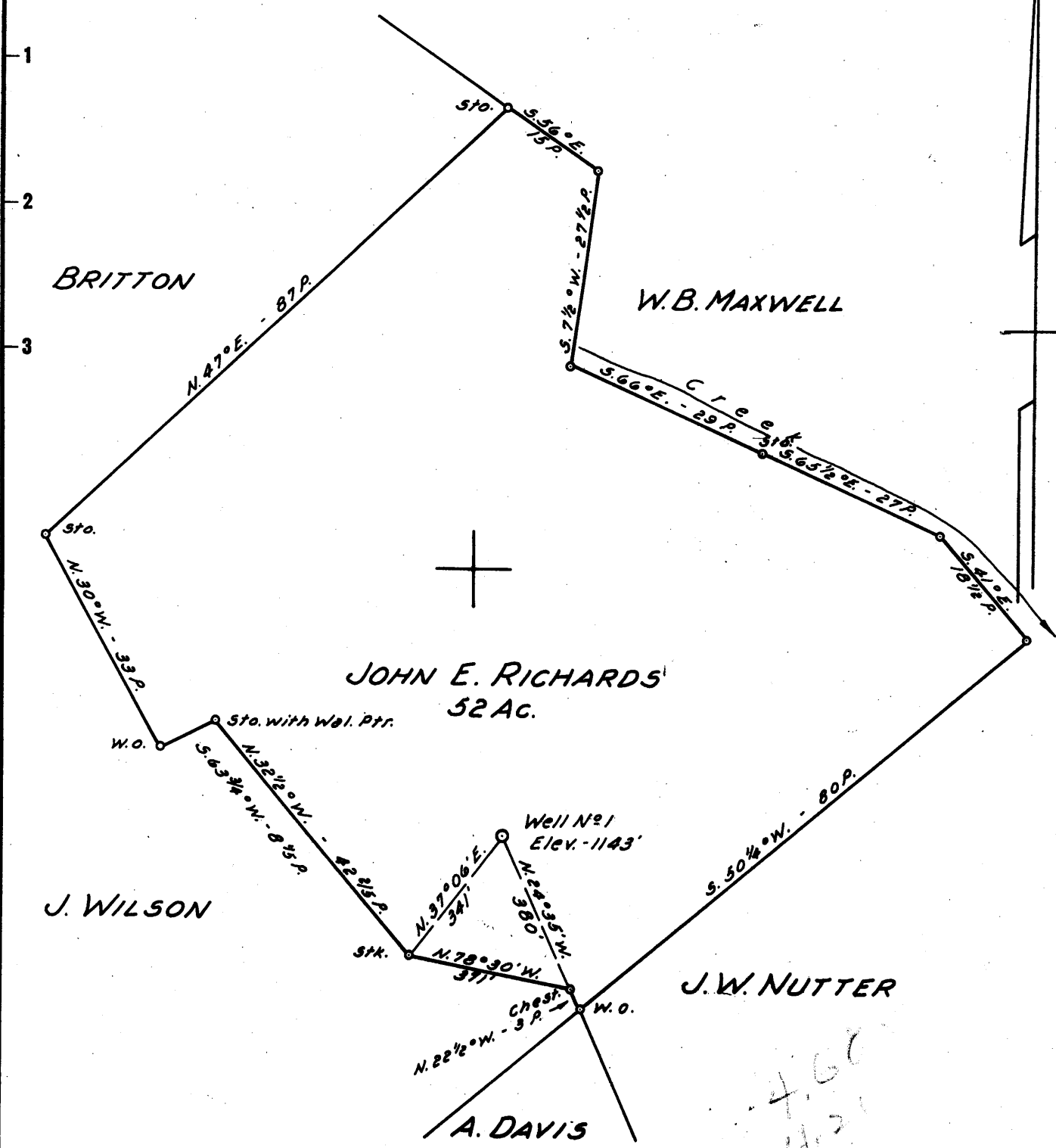


Latitude 39° 15'

Longitude 80° 45'



New Location...
 Drill Deeper.....
 Abandonment.....

NOTE:
 Harold Nutter & Rhoda Zinn own 1/2 the Mineral Rights.
 John E. Richards owns the Surface and 1/2 the Mineral Rights.

Company TOM E. ALLEN
 Address BOX 176 WEST UNION, W.VA.
 Farm JOHN E. RICHARDS
 Tract _____ Acres 52 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1143'
 Quadrangle HOLBROOK NE
 County DODDRIDGE District SOUTHWEST
 Engineer JOHN W. HAMILTON
 Engineer's Registration No. 2274
 File No. _____ Drawing No. _____
 Date JUNE 21, 1960 Scale 1" = 20 POLES

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

WELL LOCATION MAP
 FILE NO. DOD-415

+ 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.

= (133)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 3

Quadrangle Holbrook

Permit No. DOD 415

WELL RECORD

Oil or Gas Well Gas

Company <u>T. E. Allen</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>P. O. Box 176, West Union, W. Va.</u>				
Farm <u>John E. Richards</u> Acres <u>27</u>	Size			Kind of Packer
Location (waters) <u>Lower Run</u>				
Well No. <u>1 South West</u> Elev. <u>1143</u>	16			
District <u>South West</u> County <u>Doddridge</u> & Wife	10			Size of
The surface of tract is owned in fee by <u>John E. Richards</u>	8 1/2			Depth set
<u>Harold Nutter</u> Address <u>West Union, W. Va.</u>	6 1/2			Perf. top
Mineral rights are owned by <u>Richards & Nutter</u>	5 1/2	1809'	1809'	Perf. bottom
Address <u>West Union, W. Va.</u>	3			Perf. top
Drilling commenced <u>July 18, 1960</u>	2	1809'		Perf. bottom
Drilling completed <u>September 2, 1960</u>	Liners Used			Perf. top
Date Shot ----- From ----- To -----				Perf. bottom
With -----				
Open Flow <u>10</u> /10ths Water in _____ Inch				
<u>10</u> /10ths Merc. in <u>One</u> Inch				
Volume _____ Cu. Ft.				
Rock Pressure <u>70</u> lbs. <u>12</u> hrs.				
Oil <u>Show</u> _____ bbls., 1st 24 hrs.				
WELL ACIDIZED _____				
WELL FRACTURED <u>Yes</u>				

CASING CEMENTED Yes SIZE 5 6/8 No. Ft. 1830 Date _____
 30 sks. Cement - 1 sk. Calcium Chloride -
 3 sks. Aquagel - Garaton Service
 COAL WAS ENCOUNTERED AT 284 FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

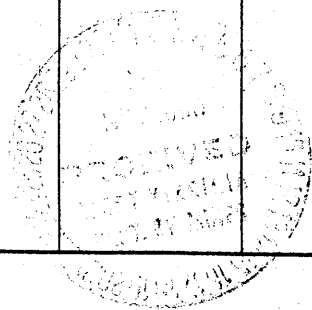
RESULT AFTER TREATMENT Slight Increase

ROCK PRESSURE AFTER TREATMENT Same

Fresh Water _____ Feet _____ Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface	Red Clay	Hard	0000	40			
Slate	Gray	Soft	40	70			
Sand	Gray	Hard	70	140			
Rock	Red	Hard	140	240			
Lime	Gray	Hard	240	260			
Slate	Gray	Soft	260	284			
Coal	Black	Hard	284	287			
Lime	Gray	Hard	287	325			
Rock	Red	Soft	325	340			
Lime	Gray	Hard	340	359			
Rock	Red	Hard	359	385			
Lime	Gray	Soft	385	441			
Rock	Red	Soft	441	495	Water	495	
Lime	Gray	Soft	495	545			
Sand	Blue	Soft	545	555			
Lime	Gray	Hard	555	565			
Slate	Gray	Soft	565	570			
Lime	Gray	Hard	570	590			
Lime	Gray	Hard	590	600			
Slate	Gray	Soft	600	651			
Lime	Gray	Hard	651	675			
Rock	Red	Hard	675	720			
Lime	Gray	Hard	720	810			
Rock	Red	Soft	810	818			
Lime	Gray	Hard	818	850			
Slate	Gray	Soft	850	885			
Rock	Red	Soft	885	900			
Sand	Gray	Soft	900	920			
Slate	Gray	Soft	920	963			

(over)



Formation	Color	Hard or Soft	Top ³	Bottom	Oil, Gas or Water	Depth Found	Remarks
Big Dunker		Soft	963	1004			
Slate	Gray	Soft	1004	1010			
Lime	Gray	Hard	1010	1060			
Sand	Gray	Hard	1060	1115			
Slate	Gray	Soft	1115	1145			
Sand	Gray	Soft	1145	1175			
Slate	Gray	Hard	1175	1200			
Sand	Gray	Soft	1200	1270			
Slate	Gray	Soft	1270	1291	Show of Oil		
Sand	Gray	Hard	1291	1440	Water	1405	291
Slate	Gray	Hard	1440	1555			
lime	Gray	Hard	1555	1637			
Sand Maxon		Hard	1637	1680	Gas	1650	
Slate	Gray	Soft	1680	1729			
Lime	Gray	Soft	-1729	1910	Cemented	1830	
Pencil Cave	Gray	Hard	1910	1913			
Big lime	Gray	Hard	-1913	1951			
Sand	Gray	Hard	1951	2005	Gas	1962	