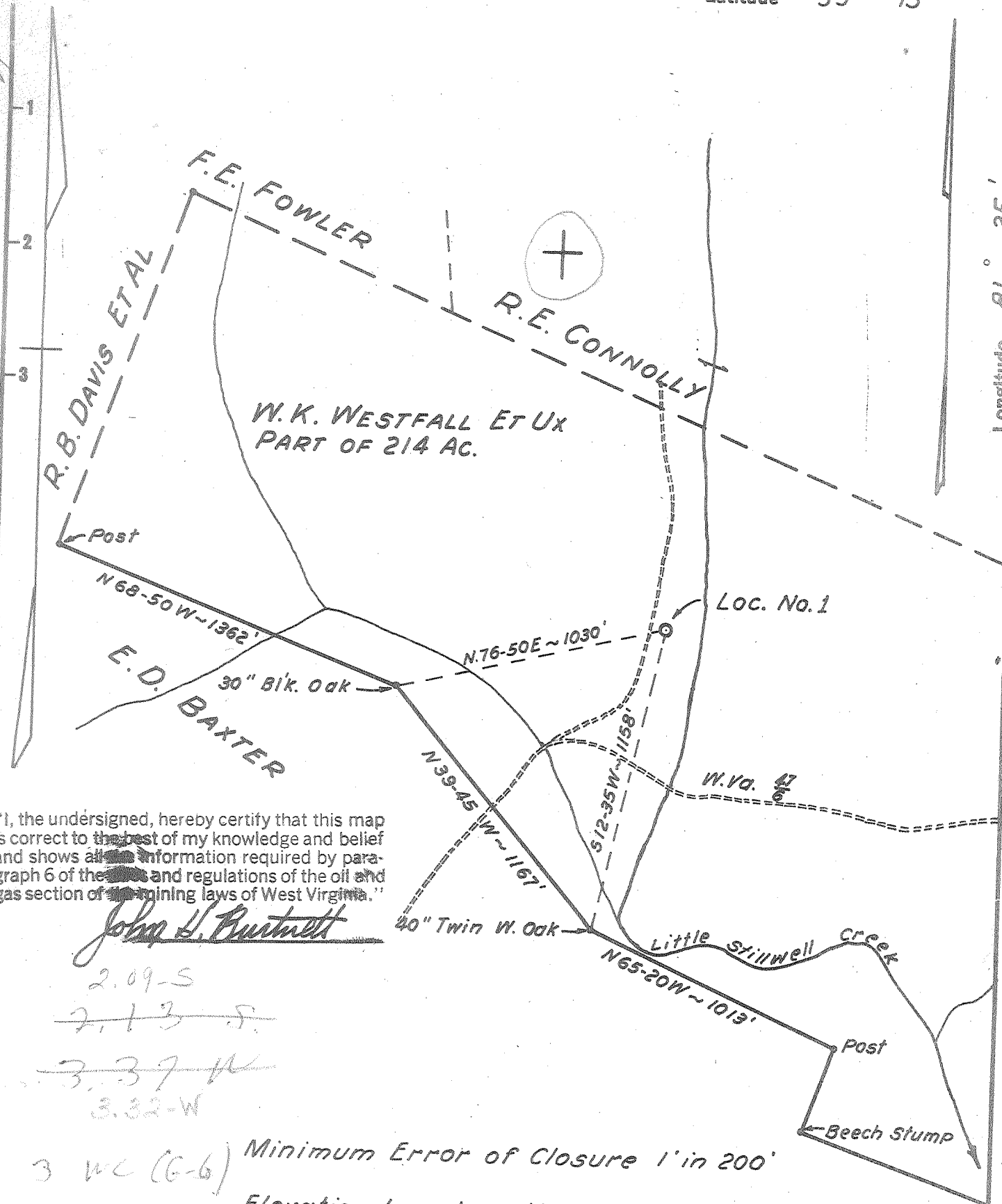


Latitude 39° 15'

Longitude 81° 25'



"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all information required by paragraph 6 of the [redacted] and regulations of the oil and gas section of the mining laws of West Virginia."

John H. Burnett

2.09-S

~~2.13-S~~

~~3.37-W~~

3.32-W

3 WC (G-6) Minimum Error of Closure 1' in 200'

New Location Drill Deeper Abandonment
 Elevation based on U.S.G.S. B.M. No. 72 WSM at intersection of W. Va. Route No. 47 and Dutch Ridge Road. Elevation = 789.00

Company ASHLAND OIL & REFINING Co.
 Address CHARLESTON, WEST VIRGINIA
 Farm W.K. WESTFALL ET UX
 Tract _____ Acres 214 Lease No. 16822
 Well (Farm) No. 1 Serial No. 3607
 Elevation (Spirit Level) 637.0
 Quadrangle ELIZABETH - NW
 County WOOD District CLAY
 Engineer John H. Burnett
 Engineer's Registration No. 1442
 File No. 230 Drawing No. _____
 Date SEPT. 10, 1963 Scale ~ 1" = 500'

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

WELL LOCATION MAP
 FILE NO. Woo-510

+ 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.

No Samples 30-Top 1-0 0 Deep Well 100'-6582'



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 29

Quadrangle Elizabeth

Permit No. W00-510

WELL RECORD

Oil or Gas Well DRY HOLE
(KIND)

Company Ashland Oil & Refining Company
Address Box 1913, Charleston, W. Va. 25327
Farm W. K. Westfall et ux Acres 214
Location (waters) Little Stillwell Creek
Well No. 1 - 3607 Elev. 645' KB
District Clay County Wood
The surface of tract is owned in fee by W. K. Westfall et ux.
Route 1, Address Davisville, W. Va.
Mineral rights are owned by Same
Address _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16- 20"	20'	20'	Kind of Packer
13 3/8"	100'	100'	
9 5/8"	2095'	2095'	Size of
8 1/4"			
6 3/4"			Depth set
5 3/16"			
3"			Perf. top
2"			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Drilling commenced September 23, 1963
Drilling completed October 16, 1963
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED _____

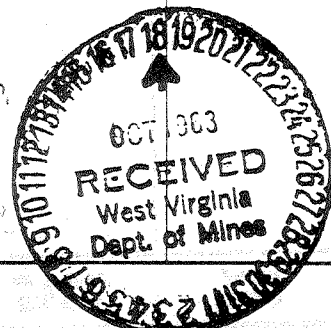
CASING CEMENTED ^{13 3/8"} ~~9 5/8"~~ SIZE ⁷⁴ ~~500~~ "sx. No. Ft. 10-7-63 Date
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water _____ Feet Salt Water 1560 Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Shale	Red	Soft	0	110			
Sand	Gray	Hard	110	200			
Shale	Red & Gray	Soft	200	384			
Sand	Gray	Hard	384	570			
Shale	Gray & Red	Soft	570	850			
Sandstone	Gray	Hard	850	900			
Shale	Gray	Soft	900	970			
Sand	Gray	Hard	970	1096			
Shale & Sand	Gray	Hard	1096	1520			
Limestone	Gray	Hard	1520	1560			
Shale	Gray	Soft	1560	2056	Water	1560'	Hole full
Berea	Gray	Hard	2056	2076			
Devonian Shale	Gray	Soft	2076	4694			
Onondaga Lime- stone & Chert	Gray	Hard	4694	4842	4694	4842	4874
Oriskany Sand	Gray	Hard	4842	4874	645	645	645
Helderberg	Gray	Hard	4874	5077	4049	4197	4229
Dolomite	Gray	Hard & soft	5077	5180			
Dolomite & shale	Gray	Hard	5180	5220			
Dolomite	Brown	Hard	5220	5660			
Dolomite & shale	Gray	Hard	5660	5880			
Shale & Sand	Gray	Hard	5880	5930			
Shale	Gray-green	Soft	5930	6010			
Dolomite	Gray	Soft	6010	6030			
Shale	Gray-green	Soft	6030	6070			
Shale	Red	Soft	6070	6250			
Sandstone	Gray	Soft	6250	6290			
Shale	Red	Soft	6290	6375			
Sandstone	Gray	Hard	6375	6380			
Shale & Sandstone	Gray	Hard	6380	6440			



(over)

Formation	Color	Hard or Soft	Top 29	Bottom	Oil, Gas or Water	Depth Found	Remarks
Madras Sandstone	Gray	Hard	6440	6510	Tuscarora		
Shale	Gray	Hard	6510	6574			
Queenston Shale	Red	Soft	6574	6600			
TOTAL DEPTH				6600'			
				615			
					6574		
					637		
					5837		

Date October 16, 19 63

APPROVED ASHLAND OIL & REFINING COMPANY, Owner

By [Signature]
Division (Title) Manager