

New Location
 Drill Deeper
 Abandonment

NOTE:- No coal is mined in this section. Coal, if any, underlying this tract is owned by the owners of oil and gas. Surface is owned by Mrs. Mary L. Holland, whose postoffice address is West Union, West Va.

Company **JUSTIN M. HENDERSON**
 Address **108 Wood St., West Union, W. Va.**
 Farm **Mary L. Holland**
 Tract _____ Acres **357** Lease No. _____
 Well (Farm) No. **TWO** Serial No. _____
 Elevation (Spirit Level) **1152**
 Quadrangle **Holbrook**
 County **Doddridge** District **West Union**
 Engineer **W. H. ...**
 Engineer's Registration No. **1227**
 File No. _____ Drawing No. _____
 Date **Dec., 1959** Scale **1" = 50 poles**

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

WELL LOCATION MAP
 FILE NO. **DOD-293**

+ 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 6

Quadrangle Holbrook

Permit No. DDP 293

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Henderson No. 2
Address West Union, W. Va.
Farm Mary H. Holland Acres 1550
Location (waters) Bluestone Creek
Well No. 2 Elev. 1152
District West Union County Doddridge
The surface of tract is owned in fee by Mary H. Holland
Address West Union, W. Va.
Mineral rights are owned by Mary H. Holland, et als
Address West Union, W. Va.
Drilling commenced January, 1960
Drilling completed February 23, 1960
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 _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer _____
16			
13			Size of _____
10			Depth set _____
8 1/4			
6 3/8			Perf. top _____
5 3/16			Perf. bottom _____
3			Perf. top _____
2			Perf. bottom _____
Liners Used			
5 1/2"	1810'	1810'	

WELL FRACTURED February 23, 1960

CASING CEMENTED 5 1/2 SIZE 1810 No. Ft. _____ Date _____
25 sacks Hi-Early cement
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
Hall Burton
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT 2 million feet, approximately

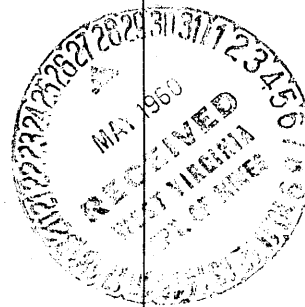
ROCK PRESSURE AFTER TREATMENT 625 - 17 hours

Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Top soil			0	5			
Slate			5	70			
Sand		Hard	70	75			
Red Rock			75	90			
Slate			90	95			
DSand		Soft	95	115			
Red Rock			115	125			
Slate & shells			125	155			
Red rock			155	165			
Lime red		Hard	165	180			
Slate			180	185			
Lime red			185	195			
Red rock			195	240			
Lime red		Hard	240	248			
Sand			248	290			
Slate			290	335			
Red Rock			335	360			
Slate & shell			360	380			
Red rock			380	395			
Slate	3	Hard	395	412			
Lime			412	428			
Slate			428	495			
Sand		Soft	495	515			
Slate			515	525			
Red rock			525	540			
Sand		Soft	540	550			
Slate			550	565			
Red rock			565	660			
Lime pit		Hard & Gritt	660	675			

Water

Broken



Formation	Color	Hard or Soft	Top 6	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate			675	680			
Red rock			680	690			
Slate			690	765			
Red rock			765	820			
Slate			820	890			
Lime		Hard & Gritty	890	910			
Slate	Black		910	960			
Sand		Hard	960	970			
Slate			970	980			
Lime		Hard & Britty	980	1000			
Slate & shells			1000	1050			
Lime			1050	1070			
Black slate	black		1070	1090			Broken
Sand		soft	1090	1170			
Black slate & shell			1170	1200			
Sand			1200	1210			
Slate	black		1210	1235			
Lime		Hard	1235	1260			
Sand		soft	1260	1345			
Slate & shell black			1345	1400			
Sand			1400	1410			
Slate&shell	Black		1410	1495			
Sand		Hard	1495	1560			
Slate & shell	black		1560	1595			
Lime		hard	1595	1610			
Slate			1610	1615			
Lime		hard	1615	1623			
Slate & shells	black		1623	1675			
Sand		hard	1675	1685			
Slate			1685	1700			
Lime	pink	hard	1700	1715			
Slate			1715	1725			
Lime	black	hard	1725	1735			
Slate	black		1735	1745			
Lime		hard	1745	1750			
Little lime		hard	1750	1774			
Pencil cave			1774	1775	Gas	1760-1765	
Big lime			1775	1844			
Injun sand		hard	1844	1912			
Slate			1912	1842	gas show of gas	1880 1811	

Date April 30, 1960

APPROVED J. Curtis M. Henderson, Owner

By _____ (Title)