

This map is based on the original survey of the land on which the well is located and is not to be construed as a warranty of the accuracy of the location of the well. The location of the well is shown on this map as a point and is not to be construed as a line or area. The location of the well is shown on this map as a point and is not to be construed as a line or area.

*W. W. Spencer*  
 E. P. S. [Signature]

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

Elev. ref. - H.C. Hammond Well No. 1  
 Error in closure - less than 1' in 200'

Company Kenneth Powell  
 Address West Union, W. Va.  
 Farm W. W. Spencer  
 Tract \_\_\_\_\_ Acres 102 Lease No. \_\_\_\_\_  
 Well (Farm) No. One Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1143'  
 Quadrangle West Union - Centerville  
 County Doddridge District Great  
 Engineer W. W. Spencer  
 Engineer's Registration No. 1237  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date April 4, 1966 Scale 1" = 200' = 498'

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

**WELL LOCATION MAP**  
 FILE NO. 000 - 1365

+ 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 10

Rotary   
Spudder   
Cable Tools   
Storage

WELL RECORD

Oil or Gas Well WELL GAS  
(KIND)

Quadrangle CENTER POINT  
Permit No. DOD 1365

Company FURGERSON & FOWE LL  
Address WEST UNION, W. VA.  
Farm W. W. SPENCER HRS. Acres 102  
Location (waters) KNIGHTS FORK  
Well No. 1 Elev. 1182  
District GRANT County D ODDRIDGE  
The surface of tract is owned in fee by W. W. SPENCER HRS  
Address WEST UNION, W. VA.  
Mineral rights are owned by W. W. SPENCER HRS  
Address \_\_\_\_\_  
Drilling commenced JULY 30 1966  
Drilling completed SEPT 29, 1966  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16	10	10	Kind of Packer
13			
10	622	60	Size of
8 1/4	1271	00	Depth set
6 5/8			
5 3/16		2815	
4 1/2			Perf. top
3			Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

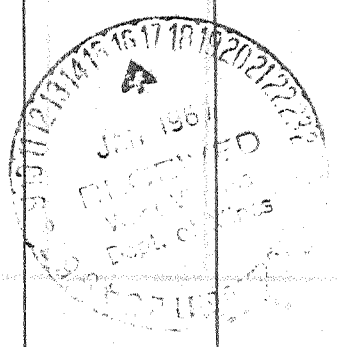
Open Flow /10ths Water in \_\_\_\_\_ Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume 30,000 Cu. Ft.  
Rock Pressure 500 lbs. hrs.  
Oil 4 bbls., 1st 24 hrs.  
WELL ACIDIZED (DETAILS) 1500 GALS ACID

Attach copy of cementing record.  
CASING CEMENTED 4 - 3/4 SIZE No. Ft. 56 -BBL Date  
Amount of cement used (bags) 40 BAGS  
Name of Service Co. DOWELL INC.  
COAL WAS ENCOUNTERED AT 548 FEET INCHES  
FEET INCHES FEET INCHES  
FEET INCHES FEET INCHES

WELL FRACTURED (DETAILS) 1200 BBLs WATER  
58,000 FRACT SAND

RESULT AFTER TREATMENT (Initial open Flow or bbls.)  
ROCK PRESSURE AFTER TREATMENT 500 LBS HOURS  
Fresh Water \_\_\_\_\_ Feet Salt Water 1625 Feet  
Producing Sand BIG INJUN Depth 2139 TO 2200

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
TOP SOIL		<u>16</u>	0	16			
PINK ROCK			16	30			
RED ROCK			30	42			
LIME	GREY	HARD	42	95			
RED ROCK		SOFT	95	136			
LIME		HARD	136	160			
SLATE	GREY	SOFT	160	185			
RED ROCK			185	214			
LIME		HARD	214	225			
RED ROCK			225	265			
LIME		HARD	265	280			
RED ROCK			280	334			
LIME		HARD	334	370			
RED ROCK		SOFT	370	380			
LIME		HARD	380	390			
RED ROCK		SOFT	390	450			
LIME	GREY	HARD	450	465			
RED ROCK		SOFT	465	542			
COAL	BLACK	SOFT	542	548			
SLATE	GREY	HARD	548	565			
LIME		HARD	565	590			
RED ROCK		SOFT	590	595			
LIME		HARD	595	612			
SLATE	SHELLS		612	625			
LIME		HARD	625	675			
SLATE	SHELLS	SOFT	675	712			
SAND			712	745			
SLATE	SHELLS	SOFT	745	755			
RED ROCK			755	766			



Formation	Color	Hard or Soft	Top 10'	Bottom	Oil, Gas or Water	Depth Found	Remarks
SLATE	SHELLS	SOFT	766	788			
LIME		HARD	788	827			
SLATE	SHELLS	SOFT	827	837			
LIME		HARD	837	860			
SLATE		SOFT	860	882			
SAND			882	905			
LIME			905	935			
RED ROCK		SOFT	935	995			
SAND		HARD	995	1030			
LIME		HARD	1030	1110			
SAND		HARD	1110	1137			
SLATE		SOFT	1137	1148			
ROCK	PINK	SOFT	1148	1181			
LIME		GRITTY	1181	1206			
ROCK	PINK	SOFT	1206	1214			
SLATE & SHELLS		SOFT	1214	1253			
LIME		HARD	1253	1275			
SLATE & SHELLS		HARD	1275	1330			
LIME		HARD	1330	1407			
LIME	GRITTY	HARD	1407	1472			
SLATE & SHELLS		HARD	1472	1496			
SLATE	BLACK	SOFT	1496	1518			
LIME	GRITTY	HARD	1518	1570			
SAND		HARD	1570	1606			
SLATE	BLACK	SOFT	1606	1614			
SAND		HARD	1614	1694	WATER	1625	1/2 BAIL PER H
SLATE & SHELLS		HARD	1694	1719			
LIME	GRITTY	HARD	1719	1750			
SLATE & SHELLS		HARD	1750	1792			
SAND		HARD	1792	1941			
SLATE	DARK	SOFT	1941	1972			
LIME	GRITTY	HARD	1972	1984			
SLATE		SOFT	1984	2013			
SAND	MAXSON	HARD	2013	2021			
SLATE		SOFT	2021	2042			
LIME	LITTLE-1	HARD	2042	2058			
SLATE (PENCIL CAVE)		SOFT	2058	2065			
LIME (BIG)		HARD	2065	2139	OIL & GAS	2142-2144	
SAND (BIG INJUN)		HARD	2139	2200	OIL & GAS	2180-2200	
LIME	GRITTY	HARD	2200	2215			TOTAL DEPTH

Date NOVEMBER 10, 19 66

APPROVED W. F. FERGUSON ASSOCIATES, Owner

By C. R. Spencer  
(Title)