

New Location   
 Drill Deeper   
 Abandonment

NOTE:  
Tula Charter owns in Fee.

Company KENNETH POWELL, AGENT

Address WEST UNION, W. VA.

Farm TULA CHARTER

Tract \_\_\_\_\_ Acres 0.67 Lease No. \_\_\_\_\_

Well (Farm) No. 1 Serial No. \_\_\_\_\_

Elevation (Spirit Level) 893'

Quadrangle WEST UNION - SE

County DODDRIDGE District WEST UNION

Engineer JOHN W. HAMILTON

Engineer's Registration No. 2274

File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_

Date MAY 7, 1960 Scale 1" = 40'

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

**WELL LOCATION MAP**

FILE NO. DoD-376

+ 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.

too crowded to plot

2,355  
1,12



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 5

Quadrangle WEST UNION

Permit No. D.O.D.- 376

WELL RECORD

Oil or Gas Well Gas

Company Kenneth Powell  
Address West Union, West Virginia  
Farm Tula Charter Acres 0.67  
Location (waters) Middle Island  
Well No. 1 Elev. 893  
District West Union County Doddridge  
The surface of tract is owned in fee by Tula Charter  
Address West Union, W.Va.  
Mineral rights are owned by Tula Charter  
Address West Union, W.Va.  
Drilling commenced June 1st 1960  
Drilling completed July 15th, 1960  
Date Shot From To  
With  
Open Flow 10/10ths Water in 2 Inch  
/10ths Merc. in          Inch  
Volume 151.000 Cu. Ft.  
Rock Pressure 600 lbs. 12 hrs.  
Oil          bbls., 1st 24 hrs.  
WELL ACIDIZED         

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	21-7	21-7	Size of
8 1/4	442-2		
6 3/8	1014-4		Depth set
5 3/16	1754-4	1754-4	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 5 1/2 SIZE No. Ft. 1754-4 Date  
Date - July 19, 1960 - 8 hrs. cement  
4 hrs. aquagel  
COAL WAS ENCOUNTERED          FEET - INCHES  
         FEET INCHES FEET INCHES  
         FEET Ransom Cementing Co. FEET INCHES

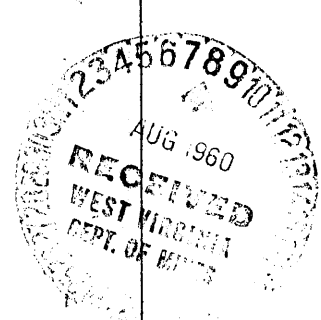
WELL FRACTURED July 20, 1960

RESULT AFTER TREATMENT 2 million and 250 thousand

ROCK PRESSURE AFTER TREATMENT Same

Fresh Water At 55 Feet Salt Water None Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Red Rock	Red	Soft		50			
Sand	Light	Soft	50	60	Water at 55 Fresh		
Red Rock	Red	Soft	60	100			
Slate and Shells	Light	Hard & Soft	100	115			
Sand	Light	Hard	115	130			
Slate	Light	Soft	130	160			
Lime	Light	Hard	160	185			
Sand	Light	Hard	185	210			
Red Rock	Red	Soft	210	215			
Lime	Light	Hard	215	225			
Red Rock	Red	Soft	225	260			
Lime	Gray	Hard	260	270			
Slate & Shells	Gray	Hard & Soft	270	340			
Red Rock	Red	Soft	340	355			
Slate	Light	Soft	355	375			
Lime	Light	Hard	375	395			
Slate	Light	Soft	395	405			
Lime	Light	Hard	405	423			
Slate	Light	Soft	423	428			
Lime	Light	Hard	428	430			
Slate & Shells	Light	Hard & Soft	430	500			
Lime	Light	Hard	500	510			
Slate	Light	Soft	510	525			
Red Rock	Red	Soft	525	540			
Slate & Shells	Dark	Hard & Soft	540	550			
Gritty Lime	Light	Hard	550	570			



Formation	Color	Hard or Soft	Top <sup>5</sup>	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate	Light	Soft	570	615			
Lime	Light	Hard	615	655			
Slate	Light	Soft	655	717			
Red Rock	Red	Soft	717	773			
Gritty Lime	Dark	Hard	773	805			
Red Rock	Red	Soft	805	832			
Lime	Dark	Hard	832	865			
Slate & Shells	Dark	Soft &	865	1037			
Lime	Dark	Hard	1037	1061			
Sand	Dark	Soft	1061	1100			
Slate	Dark	Soft	1100	1140			
Sand	Light	hard	1140	1335			
Slate	Dark	Soft	1335	1390			
Sand	Light	Medium.	1390	1493			
Slate	Dark	Soft	1493	1503			
Sand	Dark	Hard	1503	1525			
Slate	Dark	Soft	1525	1550			
Sand	Gray	Hard	1550	1605			
Slate	Dark	Soft	1605	1625			
Lime	Dark	Hard	1625	1663			
Sand	Gray	Hard	1663	1680			
Big Lime	Gray	hard	1680	1770			
Big Injun	Gray	hard	1770	1882			
Slate	Dark	soft	1882				
			Total Depth 1900				
					Gas at 1780-1818		

Date \_\_\_\_\_, 19\_\_

APPROVED \_\_\_\_\_, Owner

By \_\_\_\_\_ (Title)