

Latitude 39° 20'

Longitude 80° 40'

S.E. & M.H. GRANT

ELLA R. TATE
40.37 AC.

L.R. CHARTER

L. MAXWELL

Well No 1
Elev. - 901'

Middle Island Crk.

- New Location
- Drill Deeper
- Abandonment

NOTE:

Ella R. Tate et al - West Union, W. Va. owns the Surface Rights and 1/2 the Mineral Rights.
Tula Charter - West Union, W. Va. owns 1/2 the Mineral Rights.

Company KENNETH POWELL, AGT.
 Address ROUTE -1 WEST UNION, W.VA.
 Farm ELLA R. TATE
 Tract _____ Acres 40.37 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 901'
 Quadrangle CENTERPOINT SW
 County DODDRIDGE District WEST UNION
 Engineer JOHN W. HAMILTON
 Engineer's Registration No. 2274
 File No. _____ Drawing No. _____
 Date OCT. 18, 1960 Scale 1" = 20 POLES

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

WELL LOCATION MAP

FILE NO. DOD-486

+ 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.

6-6



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

Quadrangle WEST UNION
Permit No. DOD-186

WELL RECORD

Oil or Gas Well GAS
(KIND)

Company KENNETH POWELL ET:AL
Address WEST UNION, W.VA.
Farm ELLA TATE Acres 46
Location (waters) MIDDLE ISLAND CREEK
Well No. 1 Elev. 901'
District WEST UNION County DODDRIDGE
The surface of tract is owned in fee by ELLA TATE

Mineral rights are owned by ELLA TATE
SMITHBURG Address

Drilling commenced OCTOBER 28, 1960
Drilling completed DECEMBER 10, 1960
Date Shot No From To
With

Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume 260 MCF Cu. Ft.
Rock Pressure 275 lbs. 24 hrs.
Oil No bbls., 1st 24 hrs.

WELL ACIDIZED No.
WELL FRACTURED YES

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13	<u>10 FT.</u>	<u>10 FT.</u>	
10			Size of
8 1/4	<u>451 FT.</u>	<u>0</u>	
6 5/8	<u>1010</u>	<u>0</u>	Depth set
5 3/16	<u>1767</u>	<u>1767</u>	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED YES SIZE 5 1/2 No. Ft. Date
27 SACKS OF CEMENT, 13 SACKS OF BAROID
(LAWSON CEMENTING CO.)
COAL WAS ENCOUNTERED AT NONE FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water 75 FT. Feet Salt Water NONE Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
LIME		HARD	0	20			
ROCK	RED	SOFT	20	40			
LIME		HARD	40	52			
ROCK	RED	SOFT	52	87			
SLATE		SOFT	87	100			
LIME			100	135			
SLATE	SHELLS		135	190			
SAND			190	200			
SLATE	SHELLS		200	222			
LIME			222	248			
SLATE	SHELLS		248	355			
ROCK	RED		355	385			
SHELL		GRITTY	385	400			
SLATE			400	425			
LIME			425	435			
ROCK	RED		435	445			
SLATE	SHELLS		445	500			
ROCK	RED		500	510			
SAND			510	525			
SLATE	DARK		525	550			
ROCK	RED		550	565			
SLATE	SHELLS		565	640			
LIME			640	700			
SLATE	SHELLS		700	835			
SAND	835		835	945			
SLATE	SHELLS		945	1060			
LIME		GRITTY	1060	1145			
SLATE	DARK		1145	1190			
SAND & LIME			1190	1225			
SLATE	DARK		1225	1335			

Formation	Color	Hard or Soft	Top /	Bottom	Oil, Gas or Water	Depth Found	Remarks
SAND	BLACK		1335	1424	GAS	1363-95	
SLATE			1424	1535			
SAND			1535	1545			
LIME	---		1545	1576	OIL	1558-62	
BREAK			1576	1578			
LIME			1578	1645			
SAND		GRITTY	1645	1695	GAS	1676&1760	
LIME			1695	1760			

Date _____, 19____

APPROVED _____, Owner

By _____ (Title)