

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

W. R. E. No. 11
 R. P. E. No. 11

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

Elev. ref: - Well No 1-A, Elev. = 936
 Error in Closure is less than 1' in 200

Company SOUTHERN TRIANGLE OIL CO.
 Address Mt Carmel, Illinois.
 Farm F. & H. Staarman
 Tract _____ Acres 25 Lease No. _____
 Well (Farm) No. One - C Serial No. 11/28/40
 Elevation (Spirit Level) 889 980' - 46.75' typ
 Quadrangle Vadis - WC
 County Doddridge District Cove
 Engineer W. R. E. No. 11
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Dec. 11, 1966 Scale 1" = 300'

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

WELL LOCATION MAP
 FILE NO. POD - 1427

+ 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

Quadrangle Vadis

Permit No. DOD-1427

WELL RECORD 2

Oil or Gas Well both
(KIND)

Company Southern Triangle Oil Co.
Address Box 230, Mt. Carmel, Ill. 62863
Farm F. H. Staarman Acres 25
Location (waters) Fallen Timber 980' - 11/4 75'
Well No. 1-C Elev. 940'
District Cove County Doddridge
The surface of tract is owned in fee by F. & H. Staarman
Address New Milton, W. Va.
Mineral rights are owned by F & H Staarman
Address New Milton, W. Va.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13	19	19	
10	200	None	Size of
8 1/4	1168	None	
6 5/8	1918	None	Depth set
4 1/2	2254	2259	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top <u>2191</u>
			Perf. bottom <u>2198</u>

Drilling commenced 12-14-66
Drilling completed 1-30-67
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume show Cu. Ft.
Rock Pressure none taken lbs. hrs.
Oil show bbls., 1st 24 hrs.
WELL ACIDIZED no

CASING CEMENTED 4 1/2 SIZE 2254 No. Ft. 1-30-67 Date
with 80 sks. cement

COAL WAS ENCOUNTERED AT 0 FEET 0 INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

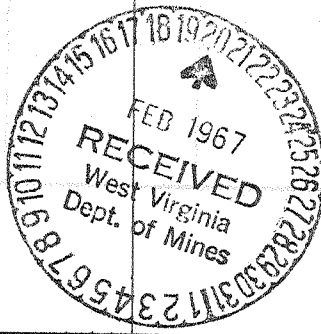
WELL FRACTURED Yes, by Dowell with 900 bbls. of water and 40,000 # of sand

RESULT AFTER TREATMENT 40 bbl./day and 300 M cu. ft./day Injun

ROCK PRESSURE AFTER TREATMENT 625# in 12 hours

Fresh Water 80 Feet 81 Salt Water 1489 hole full Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
red rock & sand			0	32			
sand, 1 bailer water per hour			32	37			
sand & slate; 4 bailers water per hr.			37	81			
shale			81	116			
sand			116	148			
slate			148	160			
red rock & slate			160	182			
sand			182	206			
red rock & slate			206	251			
sand			251	260			
red rock & shells			260	290			
sand			290	305			
red rock & shells			305	337			
slate & shells			337	343			
lime, sandy			343	360			
shale			360	370			
red rock & shells			370	385			
sand			385	415			
red rock			415	460			
shale & shells			460	475			
sand			475	500			
slate & shells			500	534			
red rock			534	560			
sand			560	575			
slate			575	601			
lime, sandy			601	620			



(over)

Formation	Color	Hard or Soft	Top ²	Bottom	Oil, Gas or Water	Depth Found	Remarks
ale			620	625			
nd			625	631			
ne			631	643			
ate & shells			643	703			
nd			703	740			
d rock & shale			740	781			
nd			781	810			
nd & slate			810	819			
d rock			819	864			
ne, sandy			864	874			
d rock & shale (hole caves)			874	945			
nd			945	950			
ale & shells			950	975			
ne, sandy			975	985			
ate & shells			985	1021			
d rock & shale			1021	1036			
nd, broken			1036	1086			
d rock, slate & shells			1086	1116			
ate			1116	1137			
nd, broken			1137	1168			
nd & slate			1168	1238			
ne, sandy			1238	1250			
ate & shells			1250	1320			
ne, sandy			1320	1375			
ate			1375	1390			
ne			1390	1402			
ate & shells			1402	1454			
nd, hole full water 1489			1454	1532			
ate			1532	1542			
ale			1542	1555			
nd & slate			1555	1604			
nd			1604	1682			
nd & slate			1682	1704			
ate & shells			1704	1780			
nd			1780	1802			
ate			1802	1835			
nd			1835	1876			
ate & shells			1876	1929			
ate			1929	1949			
nd			1949	1977			
ate & red rock			1977	1988			
ate			1988	2004			
me (Little Lime)			2004	2020			
ne, sandy			2020	2025			
nd			2025	2031			
nd, slate & lime			2031	2045			
me, (Big Lime)			2045	2115			
nd, slight show oil 2139			2115	2144			
me			2144	2161			
nd			2161	2176			
me, sandy			2176	2183			
nd; show oil 2183 INJUN			2183	2208			
ate			2208	2231			
ate, sandy			2231	2260			
				2260 TD			

Date February 17, 1967

APPROVED Southern Triangle Oil Co., Owner

By James E. Casper, Geologist
(Title)