

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and complies with the requirements of paragraph 6 of the act of the Legislature of West Virginia, Chapter 10, Section 10-6, relating to the location of wells in the oil and gas section of the mining law.

[Signature]
A. H. Smith

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

Elevation ref: - Well No. 1-A, M. Hinter tr: 911'
 Error in Closure: - Less than 1' in 200'

Company SOUTHERN TRIANGLE OIL CO.
 Address Mt Carmel, Illinois.
 Farm Smith-Staarman Lease
 Tract _____ Acres 25.0 Lease No. _____
 Well (Farm) No. 1-A Serial No. _____
 Elevation (Spirit Level) 1036
 Quadrangle Vadis - WC
 County Doddridge District Cove
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Dec. 14, 1966 Scale 1" = 300'

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

WELL LOCATION MAP
 FILE NO. DOD-1428

† 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 - 1428

WELL RECORD 3

Oil or Gas Well both
(KIND)

Company Southern Triangle Oil Co.
Address Box 230, Mt. Carmel, Ill. 62863
Farm Smith-Staarman Acres 25
Location (waters) Fallen Timber *or - 66 West*
Well No. 1-A Elev. 1089 *7.5*
District Cove County Doddridge
The surface of tract is owned in fee by P. Smith
Address R. # 1, New Milton, W. Va.
Mineral rights are owned by P. Smith et al
Address New Milton, W. Va.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	16	16	
18			
10	261	none	Size of
8 1/4	1238	none	
6 3/4			Depth set
5 1/2	4 1/2 2356	2356	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top <u>2294</u>
			Perf. bottom <u>2301</u>

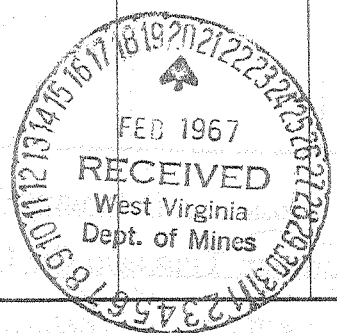
Drilling commenced 12-20-66
Drilling completed 1-29-67
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume show _____ Cu. Ft.
Rock Pressure none taken lbs. _____ hrs.
Oil show _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____

CASING CEMENTED 4 1/2 SIZE 2356 No. Ft. 1-29-67 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 950 bbl. fresh water and 40,000# of sand
RESULT AFTER TREATMENT 50 bbl/day and 500 M cu. ft./day
ROCK PRESSURE AFTER TREATMENT 600# in 12 hrs.
Fresh Water 131 Feet Salt Water none Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
clay			0	10			
red rock			10	50			
sand			50	85			
slate			85	115			
sand, 1 bailer water per hr.			115	131			
shale			131	135			
red rock & shells			135	223			
slate			223	250			
sand			250	271			
red rock			271	375			
lime, sandy			375	388			
red rock			388	459			
shale			459	470			
sand			470	488			
red rock & shells			488	600			
slate & shells			600	659			
red rock			659	664			
lime & red rock			664	675			
slate			675	692			
sand, broken			692	715			
slate & shells			715	755			
lime			755	775			
lime, sandy			775	803			
slate, sandy			803	840			
lime, sandy			840	850			
lime			850	854			



(over)

Formation	Color	Hard or Soft	Top ³	Bottom	Oil, Gas or Water	Depth Found	Remarks
slate & shale			854	868			
red rock & slate			868	900			
sand			900	913			
red rock & shale			913	933			
slate & shells			933	948			
red rock			948	955			
red rock & shells			955	1025			
sand			1025	1070			
slate			1070	1118			
red rock & slate			1118	1159			
slate & sand			1159	1185			
red rock & slate			1185	1208			
slate, sandy			1208	1238			
sand			1238	1255			
shale, sandy			1255	1275			
slate			1275	1301			
sand			1301	1325			
slate & shells			1325	1340			
sand & slate			1340	1374			
lime, sandy			1374	1393			
sand			1393	1432			
slate, sandy			1432	1452			
lime & sand			1452	1475			
sand & slate			1475	1488			
slate			1488	1570			
slate, sandy			1570	1596			
sand			1596	1685			
slate & sand			1685	1713			
slate, sandy			1713	1867			
sand			1867	1896			
shale			1896	1903			
slate			1903	1925			
slate & sand			1925	1973			
sand & lime			1973	2015			
sand			2015	2040			
slate & red rock			2040	2045			
sand			2045	2057			
slate & red rock			2057	2108			
lime (Little Lime)			2108	2122			
lime, sandy			2122	2137			
slate & sand			2137	2152			
lime (Big Lime)			2152	2206			
sand			2206	2218			
lime, sandy			2218	2222			
sand			2222	2258			
lime, sandy			2258	2285			
sand; show of oil & gas		2290 <i>Injan</i>	2285	2313			
slate, sandy			2313	2361			
				2361 TD			

Date February 17, 1967

APPROVED Southern Triangle Oil Co., Owner

By *Anna E. Cassin*, *Secretary*
(Title)