

I, the undersigned, hereby certify that this map is correct to best of my knowledge and belief and shows all the information acquired by means of a survey of this tract.

W. A. Staerman

Elevation reference :- Hinter No. 2 = 796
 Error in Closure :- Less than 1' in 300'

New Location
 Drill Deeper
 Abandonment

Company SOUTHERN TRIANGLE OIL CO.
 Address Mt. Carmel, Illinois
 Farm C. Wanstreet
 Tract Acres 21 Lease No. _____
 Well (Farm) No. One - A Serial No. _____
 Elevation (Spirit Level) 776 *1050' - K/S 112800*
 Quadrangle Kadis *we*
 County Doddridge District Cove
 Engineer *W. A. Staerman*
 Engineer's Registration No. 1229
 File No. 77-A-20 Drawing No. _____
 Date Feb. 10, 1967 Scale 1" = 300'

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

WELL LOCATION MAP
 FILE NO. DDO - 1440

† 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.

66306



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Vadis

WELL RECORD

Oil or Gas Well GAS; OIL both show
(KIND)

Permit No. DOD-1440

Company Southern Triangle Oil Company
Address Box 230, Mt. Carmel, Illinois
Farm C. Wanstreet Acres 22
Location (waters) Town Camp Run 1650-1660 112860 Size
Well No. 1-A Elev. 942 7.5
District Cove County Doddridge
The surface of tract is owned in fee by C. Wanstreet
Address Leopold, W. Va.
Mineral rights are owned by C. Wanstreet
Address Leopold, W. Va.

Drilling commenced 4-23-67
Drilling completed 5-15-67
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume show Cu. Ft.
Rock Pressure lbs. hrs.
Oil show bbls., 1st 24 hrs.
WELL ACIDIZED

Casing and Tubing	Used in Drilling	Left in Well	Packers
16	19	19	Kind of Packer
13			
10	196	None	Size of
8 1/4	1160	None	
6 5/8			Depth set
XXXX 4 1/2	2219	2219	Perf. top
3			Perf. bottom
2			Perf. top <u>2150</u>
Liners Used			Perf. bottom <u>2155</u>

CASING CEMENTED 4 1/2 SIZE 2219 No. Ft 5-16-67 Date
by Dowell using 80 sacks cement

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

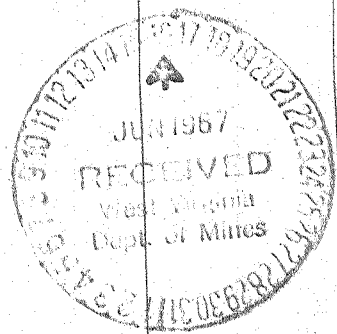
WELL FRACTURED Yes by Dowell with 1000 bbl. of fresh water and 40,000 # of sand

RESULT AFTER TREATMENT 1,800 Mcf gas per day Big Ryan

ROCK PRESSURE AFTER TREATMENT 750 # 24 hrs.

Fresh Water 172 Feet 173 Salt Water Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Red rock			0	3			
Sand			3	50			
shale			50	115			
Red rock & shale			115	156			
Red rock & lime			156	171			
sand			171	178			
Red rock			178	228			
lime, sandy			228	240			
Red rock			240	310			
slate & shells			310	345			
Red rock			345	424			
Red rock & lime			424	455			
slate & shale			455	468			
slate & lime			468	540			
slate			540	553			
lime, sandy			553	580			
slate & shells			580	610			
lime			610	630			
sand & slate			630	675			
lime, sandy			675	691			
slate & shells			691	720			
Red rock & shale			720	756			
slate, sandy			756	782			
Red rock & shale			782	890			
sand			890	923			
slate, sandy (hole caves)			923	976			
lime, sandy		<u>976</u>	<u>1038</u>				
Red rock & shale			<u>1038</u>	<u>(over) 1064</u>			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
slate, sandy			1064	1070			
Red rock & shale			1070	1078			
slate			1078	1157			
sand			1157	1178			
slate & shells			1178	1205			
lime, sandy			1205	1245			
sand			1245	1285			
slate, sandy			1285	1297			
lime, sandy			1297	1315			
sand			1315	1350			
slate			1350	1483			
sand			1483	1498			
slate, sandy			1498	1564			
slate & shells			1564	1655			
sand			1655	1705			
slate			1705	1715			
sand			1715	1737			
slate, sandy			1737	1790			
sand			1790	1826			1/2 bailor wtr/hr @ 1817
slate, sandy			1826	1868			
slate & shells			1868	1888			
sand, broken			1888	1898			
slate, sandy			1898	1903			
Red rock & shale			1903	1924			
slate, sandy			1924	1940			
Red rock & slate			1940	1945			
slate & shells			1945	1960			
lime (Little Lime)			1960	1989			
sand, broken			1989	2003			
lime (Big Lime) reduce hole @			2003	2051			
lime, sandy			2051	2061			
sand Big Injun			2061	2170			show oil @ 2069' - show gas @ 2123'
slate, sandy			2170	2225			
Total depth	2225						

Date June 13, 196

APPROVED Southern Triangle Oil Co. Ow

By *James E. Capin*
James E. Capin, Geologist