

New Location ..
 Drill Deeper
 Abandonment

Error in Closure :- Less than 1/400'

Company **SOUTHERN TRIANGLE OIL CO.**
 Address **104 Bank Street, Weston, W. Va.**
 Farm **F. W. Bolte**
 Tract _____ Acres **115** Lease No. _____
 Well (Farm) No. **One** Serial No. _____
 Elevation (Spirit Level) **1246**
 Quadrangle **Vadis**
 County **Doddridge** District **Greenbrier**
 Engineer **W. H. H. J.**
 Engineer's Registration No. **1227**
 File No. _____ Drawing No. _____
 Date **June 6, 1963** Scale **1" = 300' = 495'**

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

WELL LOCATION MAP
 FILE NO. **Dad-993**

+ 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 //

Rotary
Spudder
Cable Tools
Storage

Quadrangle Vadis

Permit No. Dod.-993

WELL RECORD

Oil or Gas Well Dry (KIND)

Company Southern Triangle Oil Co.
Address 104 Bank St., Neston, W.Va.
Farm F. W. Bolte Acres 115
Location (waters) Johnsons Fork 1246-416-11140
Well No. 1 Elev. 1040
District Greenbrier County Doddridge
The surface of tract is owned in fee by F. W. Bolte Hrs.
Address Salem, W.Va.
Mineral rights are owned by F. W. Bolte Hrs.
Address Salem, W.Va.
Drilling commenced 7-8-63
Drilling completed 8-3-63
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 None bbls., 1st 24 hrs.
WELL ACIDIZED No
WELL FRACTURED No

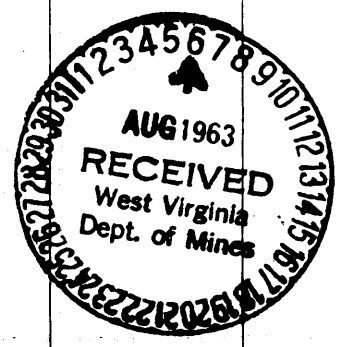
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	19		
13			Size of
10			
8 1/4 8-5/8	1083	None	Depth set
6 5/8	2108		
5 3/16			Perf. top
3			Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

CASING CEMENTED SIZE No. Ft. Date

COAL WAS ENCOUNTERED AT FEET INCHES
730 FEET 734 INCHES FEET INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT
ROCK PRESSURE AFTER TREATMENT
Fresh Water Feet Salt Water Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Top Soil	Yellow	Soft	0	15			
Red rock		Soft	15	32			
Lime		Hard	32	45			
Grey shale		Soft	45	65			
Sand		Hard	65	120			
Pink Rock		Soft	120	135			
Sand		Hard	135	160	water	137	1/2 bl. per hr.
Grey shale		Soft	160	222			
Red rock		Soft	222	230			
Sand		Hard	230	292	water	285	1 1/2 bl. per hr.
Red rock		Soft	292	300			
Sandy shale		Soft	300	322			
Red rock & grey shale		Soft	322	396			
Dark shale		Soft	396	435			
Red rock & grey shale		Soft	435	495			
Sand		Hard	495	515			
Red rock & grey shale		Soft	515	555			
Lime		Hard	555	585			
Grey shale		Soft	585	633			
Lime		Hard	633	662			
Grey shale		Soft	662	675			
Slate & shells		Soft	675	704			
White shale		Soft	704	711			
Lime		Hard	711	730			
Coal		Soft	730	734			
Sand		Hard	734	750			
Grey shale		Soft	750	768			
Lime		Hard	768	808			
Sand		Hard	808	826			



Formation	Color	Hard or Soft //	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Red rock		Soft	826	940			
Lime		Hard	940	985			
Grey shale		Soft	985	1040			
Lime		Hard	1040	1060			
Red rock		Soft	1060	1080			
Lime		Hard	1080	1105			
Slate		Soft	1105	1120			
Sand		Hard	1120	1138			
Dark Slate		Soft	1138	1143			
Slate & shells		Soft	1143	1158			
Sand		Hard	1158	1232			
Dark Slate		Soft	1232	1309			
Lime		Hard	1309	1314			
Grey shale		Soft	1314	1335			
Lime		Hard	1335	1362			
Shale		Soft	1362	1372			
Shale & Lime			1372	1428			
Slate & sand			1428	1475			
Dark shale		Soft	1475	1597	water	@ 1820	3. bls. per hr
Lime		Hard	1597	1622			
Sand		Hard	1622	1655	Gas	@ 2168	Show
Dark shale		Soft	1655	1685			
Sand		Hard	1685	1724			
Dark shale		Soft	1724	1734			
Sandy lime		Hard	1734	1753			
Sand		Hard	1753	1830			
Dark shale		Soft	1830	1907			
Sand		Hard	1907	1923			
Red rock & lime			1923	2045			
Little lime		Hard	2045	2062			
Shale		Soft	2062	2087			
Big Lime		Hard	2087	2154			
Shale		Soft	2154	2163			
Big Injun		Soft	2163	2209			
Dark Lime		Soft	2209	2229			
Grey shale		Soft	2229	2254			
TOTAL DEPTH				2254			

Date August 5, 1963

APPROVED Southern Triangle Oil Co., Owner

By James E. Capin, Geologist