

- Fracture....
- Redrill.....
- New Location.
- Drill Deeper.....
- Abandonment.....

Source of Elevation ROAD FORK AT RT. 19 ; ELV. 1099'

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

Minimum accuracy, one part in 2500

Company <u>ALLEGHENY LAND & MINERAL CO.</u>	
Address <u>CLARKSBURG, W.VA.</u>	
Farm <u>E. H. MUSGRAVE</u>	
Tract	Acres <u>52.28</u> Lease No. <u>793</u>
Well (Farm) No. <u>1</u>	Serial No. <u>A-280</u>
Elevation (Spirit Level) <u>1374.5'</u>	
Quadrangle <u>BLACKSVILLE - SET C</u>	
County <u>MONONGALIA</u>	District <u>GRANT</u>
Engineer <u>James J. Jeffers</u>	
Engineer's Registration No. <u>1084</u>	
File No. <u>209/58</u>	Drawing No. _____
Date <u>12-15-64</u>	Scale <u>1" = 500'</u>

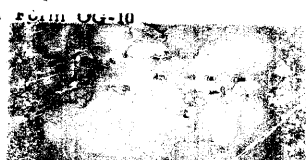
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. Mon-276

+ 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.

R.D.M.E.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 8

Rotary
Spudder
Cable Tools
Storage

Quadrangle _____

Permit No. Mon-276

WELL RECORD

Oil or Gas Well Gas

Company Allegheny Land & Mineral Co.
Address Clarksburg, W.Va.
Farm E.H. Musgrave Acres 52.28
Location (waters) _____
Well No. A-280 Elev. 1374.5
District Grant County Monongalia
The surface of tract is owned in fee by Cecil Rogers
Address Arnettville, W.Va.
Mineral rights are owned by Same
Address _____

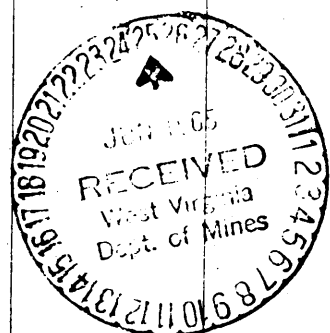
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16		21'	Kind of Packer
13			
10	734'	734'	Size of
8 1/2	1690'	1690'	
6 5/8			Depth set
5 3/16" <u>4 1/2"</u>	4198'	<u>4198'</u>	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Drilling commenced January 19, 1965
Drilling completed May 13, 1965
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume Show gas Cu. Ft.
Rock Pressure Not taken lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____

CASING CEMENTED 4 1/2" SIZE 2403 No. Ft. 5-20-65 Date
800 sacks cement 5 aquajel
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES
_____ FEET _____ INCHES

WELL FRACTURED Fractured 5-26-65 By Halliburton-Balltown sand-
Fractured 6-3-65 By Halliburton-Gantz sand - 6-7-65 By Halliburton-Injun sand
RESULT AFTER TREATMENT 14/10 Water 1" 39 M
ROCK PRESSURE AFTER TREATMENT 140# 12 hr.
Fresh Water 1 1/2 bailers per Feet 125 Salt Water 1550 Feet Show Hole full
1640

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0	10			
Sandy soil			10	18			
Sand			18	22			
Crevice - <u>slanting</u>			22	30			
Slate			30	38			
Sand shells			38	50			
Slate			50	92			
Coal and slate mixed			92	128			
Slate shells			128	205			
Sand		hard	205	232			
Coal			232	234			
Slate shells			234	260			
Sand			260	296			
Coal and slate mixed			296	306			
lime			306	315			
Sand			315	342			
late			342	350			
lime	Gray	hard	350	370			
late shells			370	394			
coal <u>WAYNESBURG?</u>			394	396			
late			396	412			
lime			412	424			
late shells			424	442			
ed Rock			442	447			
late			447	470			
ed Rock			470	474			
late shells			474	480			
lime			480	510			
late			510	515			
lime			515	525			



Formation	Color	Hard or Soft	Top δ	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate			525	530			
Lime			530	557			
Slate			557	562			
Sand			562	580			
Slate			580	587			
Sand			587	595			
Lime			595	602			
Coal and slate	SEW		602	612			
Lime			612	630			
Coal	?		630	635			
Lime			635	658			
Slate - coal mixed	redstone?		658	664			
Lime			664	678			
Slate			678	683			
Coal	Pittsburgh?		683	697			
Slate shells			697	734			
Lime			734	750			
Slate shells			750	790			
Sand			790	819			
Lime			819	828			
Slate shells			828	932			
Sand			932	975			
Slate			975	1002			
Red Rock			1002	1020			
Slate shells			1020	1120			
Red Rock			1120	1135			
Slate shells			1135	1200			
Sand			1200	1230			
Slate shells			1230	1285			
Sand			1285	1390			
Slate shells			1390	1500			
Sand			1500	1518			
Slate			1518	1540			
Sand			1540	1575	Salt water	1550	Small show
Slate shells			1575	1625			
Sand			1625	1685	Salt water	1640	Hole full
Slate shells			1685	1788			
Red Rock			1788	1791			
Lime			1791	1830			
Red Rock			1830	1900			
Slate			1900	1910			
Lime			1910	1920			
Pencil cave			1920	1925			
Lime	broken		1925	1937			
Big Lime			1937	2035	Gas	2010	Bubble
Injun 371			2035	2132			
Lime shells			2132	2215			
Sand	Squaw?	Hard	2215	2269			
Lime shells			2269	2300			
Slate shells			2300	2515			
Gantz			2515	2540			
Sand	50	Hard	2540	2620			
Slate shells			2620	2678			
Red Lime		Gritty	2678	2697			
Sand	30		2697	2722			
Slate shells			2722	2733			
Red Lime		Gritty	2733	2800			
Sand	Golden?		2800	2810			
Slate shells			2810	2840			
Red Rock			2840	2850			
shells		Gritty	2850	2875			
Red Rock			2875	2882			
Slate shells			2882	2927			
Shells		Gritty	2927	3033			
Lime			3033	3050			
Shale			3050	3065			

TO 4198 - btm 4 1/2 in csg.

Date _____, 19__

APPROVED _____, Owner

By _____ (Title)

