

5.225 ✓
0.960 ✓
5.30
E.H. MILLER No. 1
.98

MINIMUM ERROR OF CLOSURE 1:2000
SOURCE OF ELEVATION TOP OF COPING OF VALLEY COAL CO. TOMS RUN

New Location
Drill Deeper
Abandonment

AIR-SHAFT (BL. 822) SHOWN ON MOUNDSVILLE QUAD NW-4 OF CAMERON QUADRANGLE
"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."

Company D. C. MALCOLM INC.
Address CHARLESTON, W.VA.
Farm E.H. MILLER
Tract _____ Acres 26.16 Lease No. _____
Well (Farm) No. 1 Serial No. _____
Elevation (Spirit Level) 837.8
Quadrangle CAMERON NW
County MARSHALL District WASHINGTON
Engineer Gordon W. Sammons
GORDON W. SAMMONS
Engineer's Registration No. 509
File No. _____ Drawing No. (2)
Date JULY-2-1967 Scale 1" = 400

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON
WELL LOCATION MAP
FILE NO. MARS-540
+ 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

Oil or Gas Well Dry
(KIND)

Quadrangle Cameron
Permit No. Mars 540

WELL RECORD

Company D. C. Malcolm, Inc.
Address 1404 Commerce Square, Charleston, W, Va.
Farm E. H. Miller Acres 26
Location (waters) _____
Well No. 1 Elev. 838
District Washington County Marshall
The surface of tract is owned in fee by E. H. Miller
Address Moundsville, W, Va.
Mineral rights are owned by E. H. Miller
Address Moundsville, W, Va.

Casing and Tubing Size	Used in Drilling	Left in Well	Packers
16			Kind of Packer
13	14	14	
10	356	356	Size of
8 1/4	948	-	
6 3/4	1365	-	Depth set
5 3/16			
4 1/2			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

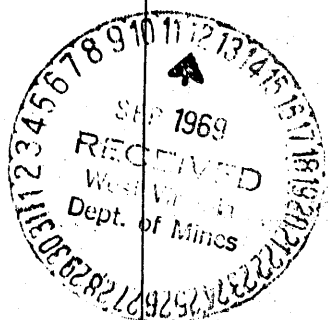
Drilling commenced July 28, 1969
Drilling completed September 10, 1969
Date Shot From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.

Attach copy of cementing record.
CASING CEMENTED 10-3/4 SIZE 356 No. Ft. _____ Date _____
Amount of cement used (bags) 130
Name of Service Co. Dowell
COAL WAS ENCOUNTERED AT 319 to 326 FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES

WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) _____

RESULT AFTER TREATMENT (Initial open Flow or bbls.) _____
ROCK PRESSURE AFTER TREATMENT _____ HOURS _____
Fresh Water 25,135 Feet _____ Salt Water _____ Feet _____
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface & Gravel			0	10		(A little water at 25')	
Slate			10	50			
Sand			50	75			
Slate			75	110			Hole full
Sand			110	146			Water at 135'
Slate			146	165			
Lime			165	240		(Show of Gas 236-241)	
Slate			240	248'			
Lime			248	295			
Slate			295	302			
Lime			302	315			
Slate			315	319			
Coal <u>Prog</u>			319	326			
Slate			326	390			
Lime			390	425		(Show of Gas at 425')	



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			425	460			
Slate & Shells			460	485			
Red Rock			485	490			
Slate & Red Rock			490	525			
Slate			525	594			
Red Rock			594	615			
Slate			615	625			
Sand Rock & Slate			625	705		1354	1378
						838	837
Fatty Lime			705	784		516	540
Slate & Shells			784	850			
Fatty Lime			850	897			
Sand			897	907			
Slate			907	940			
Fatty Lime			940	952			
Slate			952	990			
Sand			990	996			
Slate			996	1006			
Sand			1006	1050			
Slate			1050	1098			
Sand			1098	1153			
Slate & Lime Shells			1153	1190			
Fatty Lime			1190	1200			
Sand			1200	1354			Hole full of water
Big Lime			1354	1378			With Gas 1/10 W. in 1"
Jun Sand			1378	1640			At 1234 to 1240
Slate & Shells			1640	1762			Ran 1365' 4"- 7" O.D. Pipe
Fatty Lime			1762	1885			Gas 4/10 W. in 1" 1445 to 1455
Slate			1885	1898			Water at 1500'
Fatty Lime			1898	1910			
Slate			1910	1976			
✓ Sand	Berea		1976	1983			
Slate			1983	2070			
Lime	Red		2070	2095			
Lime	Grey		2095	2105			
Lime	Red		2105	2124			
Fatty Lime			2124	2140			
Slate & Shells			2140	2227			
✓ Sand	50 Ft. ?		2227	2236			
Lime	Red		2236	2246			
Slate			2246	2375			
✓ Sand	Gordon ?		2375	2398			
Slate & Shells			2398	2911			
✓ Sand	Warren ?		2911	2943			
Fatty Lime			2943	3235			

Date September 11, 1969
 T.D. 80617060
 APPROVED _____, Owner
 By _____ (Title)