

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

Source of Elevation M.N.G. WELL #10731 ELEV. 1575'

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 200

Company ALLERTON MILLER

Address PITTSBURGH 19, PA.

Farm JOE S. SMITH

Tract _____ Acres 102 Lease No. _____

Well (Farm) No. 1 Serial No. _____

Elevation (Spirit Level) 1589'

Quadrangle PHILIPPI SW 12

County UPSHUR District WARREN

Engineer James J. Jeffries

Engineer's Registration No. 1084

File No. 211/10 Drawing No. _____

Date 1-21-66 Scale 1" = 500'

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

WELL LOCATION MAP
FILE NO. UPS-965

class 6/
+ 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 Philippi S.W.

Permit No. UP8-965

WELL RECORD

17

Oil or Gas Well Gas
(KIND)

Company Allerton Miller
Address 2501 Grant Bldg., Pittsburgh 19, Pa.
Farm Joe S. Smith Acres 102
Location (waters) Hackers Creek
Well No. 1 (M-363) Elev. 1598'
District Warren County Upshur
The surface of tract is owned in fee by Mary Edna Smith Selden, Lexington, Kentucky
Mineral rights are owned by Mary Edna Smith Selden University of Ky., Lexington, Ky.
Drilling commenced March 31, 1966
Drilling completed June 22, 1966
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 90,000 Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10 <u>3/4"</u>	<u>241'</u>	<u>241'</u>	Size of _____
<u>8 1/2" X 5/8"</u>	<u>1256'</u>	<u>Pulled</u>	Depth set _____
6 3/8			
5 3/16			
<u>X 7"</u>	<u>2803'</u>	<u>2803'</u>	Perf. top <u>4650</u>
<u>X 4 1/2"</u>	<u>4728'</u>	<u>4728'</u>	Perf. bottom <u>4654</u>
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 4 1/2" SIZE 900 No. Ft. 6-22-66 Date
Lawson Cementing--90 Cement & 14 Jell

COAL WAS ENCOUNTERED AT 247 FEET 48 INCHES
____ FEET _____ INCHES FEET _____ INCHES
____ FEET _____ INCHES FEET _____ INCHES

WELL FRACTURED Dowell - 6-27-66 - 38,000 Gal. Slick Water

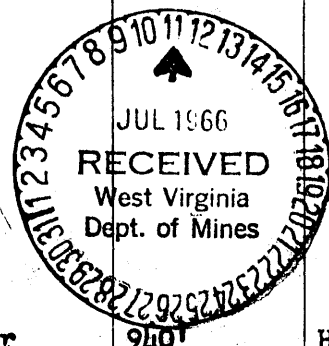
55,000 Lbs. Sand

RESULT AFTER TREATMENT 2,000,000 cu. ft. Benson

ROCK PRESSURE AFTER TREATMENT 1300 # in 14 hrs.

Fresh Water See Below Feet 45', 247' Salt Water See Below Feet 940', 2212'

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Red Rock			0	100	Water	45'	
Sand			100	105			
Slate			105	168			
Lime			168	188			
Slate & Shells			188	210			
Red Rock			210	225			
Slate & Shells			225	247			
Coal			247	251	Water	247'	
Lime			251	280			
Slate & Shells			280	372			
Red Rock			372	386			
Lime			386	414			
Red Rock			414	435			
Slate & Shells			435	470			
Red Rock			470	505			
Slate & Shells			505	585			
Red Rock			585	590			
Lime			590	605			
Slate & Shells			605	665			
Red Rock			665	729			
Slate & Shells			729	765			
Red Rock			765	807			
Slate & Shells			807	841			
Sand			841	855			
Red Rock			855	880			
Lime			880	894			
Slate & Shells			894	940			
Lime			940	1024	Water	940'	
Slate & Shells			1024	1084			
Sand			1084	1130			Hole Full & Cvng.



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate & Shells			1130	1164			
Sand			1164	1250			
Lime			1250	1262			
Sand			1262	1407			
Slate & Shells			1407	1490			
Sand - <i>Maxton?</i>			1490	1631	Show/Gas	1490-1495	
Red Rock			1631	1714			
Red Lime			1714	1750			
Red Rock			1750	1800			
Gritty Lime			1800	1830			
Red Rock			1830	1835			
Slate & XXXX Lime Shells			1835	1869			
Little Lime			1869	1877			
Slate - <i>P.C.</i>			1877-	1895			
Big Lime			1895	1980			
Indian Sand (Big Injun)			1980	2105			
Slate & Shells			2105	2125			
Lime			2125	2175			
Sand - <i>Getz?</i>			2175	2347	Water	2212'	
Lime			2347	2364			
Red Rock			2364	2369			
Sand - <i>SOP</i>			2369	2455			
Red Rock			2455	2475			
Sand - <i>STRAY?</i>			2475	2679			
Lime			2679	2722			
Sand - <i>GL?</i>			2722	2737			
Gritty Lime			2737	2752			
Slate & Shells			2752	2765			
Sand			2765	2790			
Slate & Shells			2790	2824			
Gritty Lime			2824	2879			
Slate & Shells			2879	2950			
Gritty Lime			2950	3110			
Lime			3110	3550			
Slate & Shells			3550	3721			
Gritty Lime			3721	4262			
Riley Sand			4262	4372			
Slate & Shells			4372	4647			
Benson Sand			4647	4657			
Slate & Shells			4657	4677			
Gritty Lime			4677	4732 T. D.			

Date June 28, 1966

APPROVED Allerton Miller, Owner

By Allerton Miller
(Title)