



L.F. Ferguson  
 in Town of ...



HAR-344A

**Engineer's Certificate**

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

C. C. ...  
 Engineer

WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION

PRELIMINARY DATA SHEET NO. 1

Well No. 4

RAAD & MOSES, Company of SALEM, WEST VA. on the L. F. FURGERSON Form

containing 51 acres, Location

TEN MILE District, in HARRISON County, West Virginia

The surface of the above tract is owned in fee by L. F. FURGERSON

GRASS RUN TEN MILE DIST. address, and the mineral rights are owned by

The oil and gas privileges are held under lease by the above named company, and this well is drilled under permit issued by the West Virginia Department of Mines, Oil and Gas Division

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Elevation of surface at top of well Spirit Barometric

The number of feet of the different sized casings used in the well

feet	size	Wood conductor
2222x	feet 2222x	size, casg 2000 feet 2" sized casg
2024	feet 6 5/8	size, casg 1196 feet 8 1/2 sized casg
	feet	size, casg feet sized casg
	packer of	size, set at
	packer of	size, set at
	in casing perforated at	feet to feet
	in casing perforated at	feet to feet

Coal was encountered at 700 feet, thick, near 84 inches, and at feet, thickness inches, and at feet, thickness inches

Tools were used as follows: (Give details)

RAAD & MOSES

L. F. FURGERSON

FORMATION RECORD

Name	Color	Character	Thickness or Water	Top	Bottom	Thickness	Total Depth	Remarks
PITTS. COAL				700	707	7		
SALT SAND	-----			1390	1725	335		
BIG DUNKARD				1190	1230	40		
BIG LIME				2007	2047	40		
BIG INJUN				2052	2149	97		
FIFTY FOOT				2589	2620	31		
STRAFF SAND				2701	2770	69		
Gordon Strap				2703	2735	32	2800	

shot  
Well was not shot at NONE RECORDED

Depth well was shot at

feet

Salt  
Fresh water at NONE RECORDED

salt  
Coel. fresh water at

feet

penetrating  
Well was shot at

READ A MOUNT.

*[Handwritten signature]*

Approved

NOTE: All measurements should be noted as indicated above and all descriptions and all data should be noted on this form.

WEST VIRGINIA DEPARTMENT OF MINES  
OIL AND GAS DIVISION

COAL OPERATOR OR OWNER: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_  
 COMPLETE ADDRESS: \_\_\_\_\_

WELL OPERATOR: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_  
 COMPLETE ADDRESS: \_\_\_\_\_

WELL AND LOCATION: \_\_\_\_\_  
 District: \_\_\_\_\_  
 County: \_\_\_\_\_  
 Well No. 14 Road & Moses  
 Farm: L. F. FURGERSON

AFFIDAVIT

STATE OF WEST VIRGINIA,  
 County of Harrison

do hereby swear according to law depose and say that they are experienced in the work of plugging and filling of oil and gas wells and were employed by Read & Moses well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the \_\_\_\_\_ day of Oct. 1936, 19\_\_\_\_, and that the well was plugged and filled in the following manner:

Manner in which said well was plugged: \* Removed 2" tubing, filled with clay from 2000' to 2601' -20' above the Gordon stray sand (placed wood plug 2601'-2678' and cemented 2678'-2668' sealing hole above the Gordon stray sand) CONTINUED to fill with clay from 2668'-to 2939' -15' below 6-5/8 casing placed wood plug 2939'-2936', cemented 2936'-2926' sealing hole above the Big Injun sand. Removed 6-5/8 casing. PLACED A PERMANENT BRIDGE AT 1755' -30' below the salt sand, filled with clay from 1755'-1370' -20' above the salt sand, placed wood plug 1370'-1367' cemented 1367'-1357' sealing salt sands above. <sup>Manner in which coal was plugged</sup> filled with red clay from 1357'-1211' -15' below 8 1/2 casing placed wood plug 1211'-1208' cemented 1208'-1198' filled with clay from 1190' to 737' -30' below the Pittsburgh coal cemented 737' -680' -20' above the Pittsburgh coal pulled 8 1/2 casing and from this point the hole was filled to the surface with clay with the exception at 150' in a wood plug was placed 150'-147'.

Description of monument: A monument to be erected as described in rule 10, 1931 regulations.

and that the work of plugging and filling said well was completed on the \_\_\_\_\_ day of \_\_\_\_\_, 1936.

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 1936.  
 \_\_\_\_\_  
 Birdy Mitchell