

0.08 S
2.01 W
7.5' loc

Latitude 38° 40'
Lat 38 37.30
3.00 Mi. S
2.16 Mi. W

Longitude 81° 20'

S. A. FLESHMAN
194 ACRES

ACCURACY: 1" = 1200'
El. 1/4" = 1 MILE

Source of Elevation USBM - McKOWNS CREEK (725)

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

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.

Chet Waterman

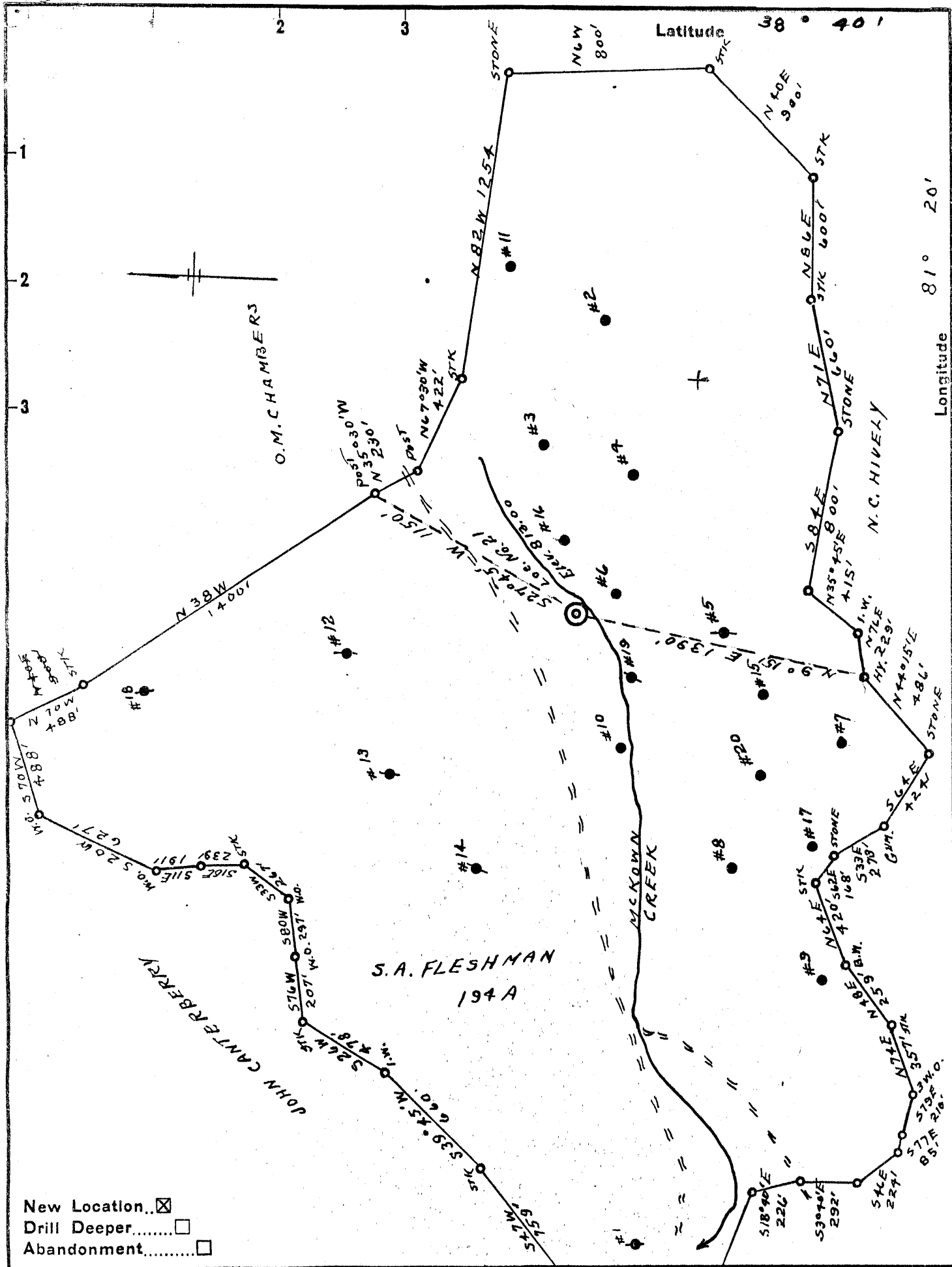
Company RAY BROTHERS CORP
 Address CHARLESTON, W. VA.
 Farm S.A. FLESHMAN
 Tract Acres 194 Lease No. _____
 Well (Farm) No. 21 Serial No. ROA-185-W
 Elevation (Spirit Level) 826.9 N.T.
 Quadrangle WALTON C
 County ROANE District WALTON
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 69003-275 Drawing No. _____
 Date 7/17/69 Scale 1" = 600'

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

WELL LOCATION MAP
FILE NO. ROA-658-RED.

+ 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.



New Location...
 Drill Deeper.....
 Abandonment.....

Company PIEDMONT OIL & GAS CO.
 514 COURT BLDG.
 Address EVANSVILLE, IND.
 Farm S. A. FLESHMAN
 Tract _____ Acres 194 Lease No. _____
 Well (Farm) No. 21 Serial No. _____
 Elevation (Spirit Level) 813.00
 Quadrangle WALTON
 County ROANE District WALTON
 Engineer S. J. Dye
 Engineer's Registration No. 804
 File No. _____ Drawing No. _____
 Date 7-26-54 Scale 1" = 600'

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

WELL LOCATION MAP
 FILE NO. ROA-658

+ 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

Quadrangle Walton

Permit No. Roa-658-Redhill

WELL RECORD

Oil or Gas Well Salt Water
(KIND)

Company Piedmont Oil & Gas Co.
Address 514 Court Bldg. Evansville, Ind.
Farm S. A. Fleshman Acres 194
Location (waters) McKown Creek
Well No. 21 Elev. 813
District Walton County Roane
The surface of tract is owned in fee by S. A. Fleshman
Address Walton, W. Va.
Mineral rights are owned by S. A. Fleshman
Address _____
Drilling commenced July, 19, 1954
Drilling completed Aug. 12, 1954
Date Shot _____ From _____ To _____
With _____

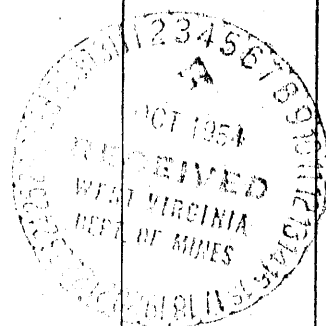
Casing and Tubing	Used in Drilling	Left in Well	Packers'
Size			Kind of Packer
16			
13			
10			Size of
8 1/4	240	none	
6 3/4" od	1350	1350	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water 1135 feet _____ feet

CASING CEMENTED 7" SIZE 1350 No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface			0	7			
Sand			7	95			
Slate			95	140			
Sand			140	165			
Slate			165	170			
Sand			170	210			
Slate			210	215			
Red Rock			215	230			
Sand			230	270			
Red Rock			270	285			
Slate & Shells			285	380			
Red Rock			380	405			
Sand			405	440			
Red Rock			440	505			
Little Dunkard			505	530			
Slate & Shells			530	605			
Sand			605	620			
Slate & Shells			620	790			
Big Dunkard			790	930			
Slate & Shells			930	950			
Sand			950	1030			
Slate & Shells			1030	1090			
Sand			1090	1150			
Slate & Shells			1150	1185			
Sand			1185	1215			
Slate & Shells			1215	1350			
Salt Sand			1350	1670			
Black Shell			1670				
TOTAL DEPTH				1674			





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

Rotary
Spudder
Cable Tools
Storage
Oil or Gas Well **Water Disposal**
(KIND)

38° 45'

WELL RECORD

Quadrangle Walton 5-33

Permit No. ROA-658-RED

Company Ray Brothers Corporation
Address 630 Commerce Square, Chas., W. Va. 25301
Farm D. Gay Fleshman etal Acres 194
Location (waters) McKowns Creek
Well No. 185-W (Prev. No. 21) Elev. 826.9
District Walton County Roane
The surface of tract is owned in fee by D. Gay Fleshman etal Address Walton, W. Va.
Mineral rights are owned by Same as Above Address _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer <u>R-4</u> <u>H alliburton</u>
16			Size of <u>4 1/2" x 2 3/8"</u>
13			Depth set <u>2,000'</u>
10			
8 5/8 <u>8 5/8</u>	<u>150'</u>	<u>150'</u>	
7 <u>7</u>	<u>1,352'</u>	<u>1,352'</u>	
<u>5 3/16</u>			
<u>4 1/2</u>	<u>2,401'</u>	<u>2,401'</u>	
<u>3</u>			Perf. top <u>2,100'</u>
<u>2 3/8 Tub</u>	<u>2,000'</u>	<u>2,000'</u>	Perf. bottom <u>2,318'</u>
Liners Used			Perf. top _____ Perf. bottom _____

Drilling commenced (Deepening) July 19, 1969
Drilling completed (Deepening) July 24, 1969

Date Shot None From _____ To _____
With _____

Open Flow None/10ths Water in _____ Inch
/10ths Merc. in _____ Inch

Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil None bbls., 1st 24 hrs.

WELL ACIDIZED (DETAILS) _____
Perforated W/200 Gal. MCA and Acid Displaced

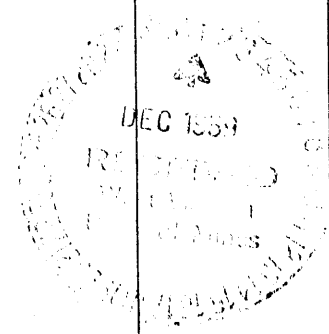
WELL FRACTURED (DETAILS) None

RESULT AFTER TREATMENT (Initial open Flow or bbls.) None (Injection Well)
ROCK PRESSURE AFTER TREATMENT _____ HOURS

Fresh Water 80 Feet
Disposal Coffee Shale
Perforating Sand _____

Attach copy of cementing record 8 5/8 150 7/20/69
CASING CEMENTED 4 1/2 SIZE 2401 No. Ft. 7/23/69 Date
Amount of cement used (bags) 8 5/8" - 150 sx.; 4 1/2"
Name of Service Co. Well Service Inc.
COAL WAS ENCOUNTERED AT None FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
(Intervals from Surface to 1,352' are cased with 7" casing and were not logged while drilling deeper.)							
Salt Sand			1,352	1,683	Water		
Maxon			1,683	1,790			
Big Lime			1,790	1,872			
Injun Sand			1,872	1,922	Oil		
Coffee Shale			1,922	2,318			
Brea Sand			2,318	2,401			2,401 T.D.



2401
1674

FILE NO. Ro-658-Red.

Ray Brothers Corp.

COMPLETION

SERIAL NO. Ro-185-W FARM Fleshman, S. A. WELL NO. 21
 ELEVATION 827' N. _____ S. 56 E. _____ W. 43
 LEASE NO. _____ ACRES 194
 WATERS OF _____ MAP NO. 71
 DISTRICT Walton COUNTY Roane STATE W. Va.
 DRILLING COMMENCED DD 7-19-69 COMPLETED DD 7-24-69 DEPTH 2401

SANDS	TOP	BOTTOM	ELEV. TOP	CASING
Pgh. COAL OR BIG LIME				<u>4½</u> 2401
Salt Sand	1352	1683		
Maxon	1683	1790		
Big Lime	1790	1872		
Injun	1872	1922		
Coffee Shale	1922	2318		
Berea	2318	2401		

INITIAL PROD. _____ SAND _____ DEPTH _____
 GAS TEST Final - Injection Well- " " "
 SHOT - FRAC. none " " "
 REMARKS _____

REPORTED BY L.C. - Southern AREA _____ ABANDONED _____

On Maps

PIEDMONT OIL & GAS COMPANY

COMPLETION

SERIAL NO. _____ FARM S. A. FLESHMAN WELL NO. 21
 ELEVATION 813 N. _____ S. 56 E. _____ W. 43
 LEASE NO. _____ ACRES 194
 WATERS OF McKown Creek MAP NO. 71
 DISTRICT Walton COUNTY Roane STATE W. Va.
 DRILLING COMMENCED 7-19-54 COMPLETED 8-12-54 DEPTH 1674

SANDS	TOP	BOTTOM	ELEV. TOP	CASING
Pgh. COAL OR BIG LIME				
Big Dunkard	790	930		
Salt Sand	1350	1670		

This well was drilled for a water well for flooding purposes.

INITIAL PROD. _____ SAND _____ DEPTH _____
 GAS TEST _____ " " "
 SHOT _____ QUARTS _____ " " "
 REMARKS _____

REPORTED BY Spencer DIST. _____ ABANDONED _____

ROA - 658 R.