

Latitude 39° 05'

Longitude 80° 25'

issued 7-29-70
~~issues 2-4-69~~

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

Michael J. ...
 R. P. O. No. 1227

New Location
 Drill Deeper
 Abandonment
 Partial Plugging

Well location below outcrop of Pittsburg & Redstone Coal.

Company PETROLEUM PROMOTIONS, INC. BEAR RUN OIL & GAS CO.
 Address G 84695, SAGINAW, MICHIGAN Schenck Bldg, Clarksburg, W. Va.
 Farm James Peterson's Heirs
 Tract _____ Acres 79.5 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 1127
 Quadrangle Weston SW
 County Lewis District Hackers Cr
 Engineer Michael J. ...
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date April 8, 1963 Scale 1" = 300' = 495'

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

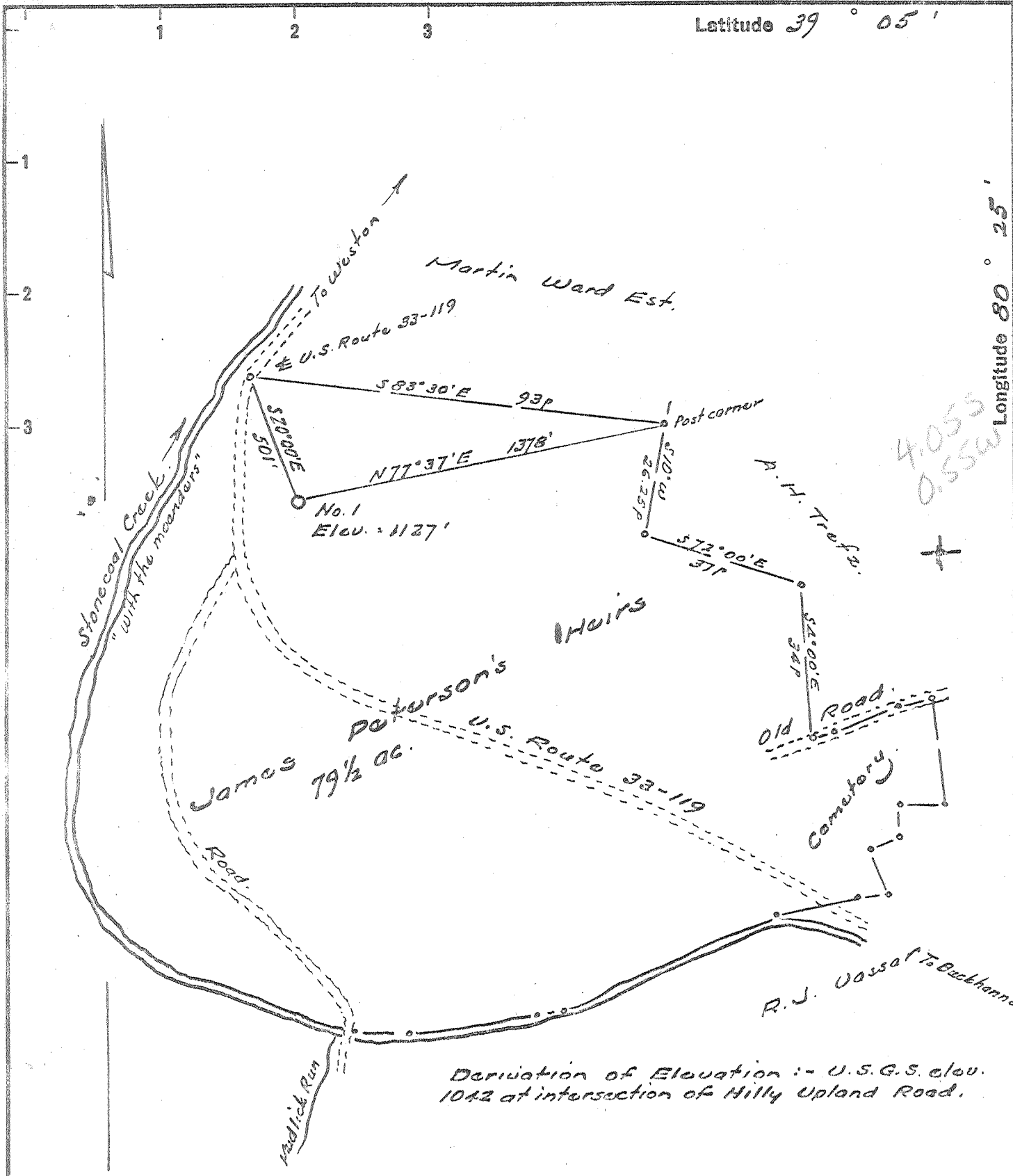
WELL LOCATION MAP

FILE NO. LEW-1160-DD-PK

Plugging issued 7-29-70
 + 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.

4/27/69



4.055
0.555W

Derivation of Elevation :- U.S.G.S. elev. 1042 at intersection of Hilly Upland Road.

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all of the information required by paragraph 4 of the rules and regulations of the act and constitution of the mining laws of West Virginia.

W. H. H. H.
A. R. R. H. 1969

- New Location
- Drill Deeper
- Abandonment
- Partial Plugging

issued 2-4-69
Well location below outcrop of Pittsburg & Redstone Coal.

Company PETROLEUM PROMOTIONS, INC.
BEAR RUN OIL & GAS CO.
 G 84695, SAGINAW, MICHIGAN
 Address Schrooth Rd., Charleston, W. Va.
 Farm James Poturson's Haurs
 Tract _____ Acres 79.5 Lease No. _____
 Well (Farm) No. 000 Serial No. _____
 Elevation (Spirit Level) 1127
 Quadrangle Waston SW
 County Lewis District Hackers Co
 Engineer W. H. H. H.
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date April 8, 1963 Scale 1" = 300' = 495

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

WELL LOCATION MAP
 FILE NO. LEW-1160-DD-PP

+ 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 14

Quadrangle Weston

Permit No. LEW 1160

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Bear Run Oil and Gas
Address Clarksburg, W. Va.
Farm C. E. Petterson Acres 79.5
Location (waters) Stone Coal Creek
Well No. _____ Elev. 1127'
District Hackers Creek County Lewis
The surface of tract is owned in fee by C. E. Petterson
Address Clarksburg, W. Va.
Mineral rights are owned by C. E. Petterson
Address _____
Drilling commenced April 18, 1963
Drilling completed June 18, 1963
Date Shot _____ From _____ To _____
With _____
Open Flow 10/10ths Water in 2" Inch
_____/10ths Merc. in _____ Inch
Volume 150,000 150 MCF Cu. Ft.
Rock Pressure 610 lbs. _____ hrs.
Oil 25 BBL Big John bbls., 1st 24 hrs.
WELL ACIDIZED No
WELL FRACTURED No

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	21'	21'	
13			
10	275'		Size of
8 1/2	937'		
6 3/4	1660'	1660'	Depth set
5 3/16			
3			Perf. top
2	1690'	1690'	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
No
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT _____
ROCK PRESSURE AFTER TREATMENT _____
Fresh Water _____ Feet _____ Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Mud			0	30			
Slate			30	90	Water	80'	
Red Rock	Red		90	200			
Lime			200	220			
Slate	Red		220	255	Water	220'	
Sand			255	260			
Slate			260	273			
Lime			273	280			
Slate			280	300			
Slate & Shells			300	370			
Rock	Red		370	380			
Slate			380	390			
Rock	Red		390	415			
Slate	White		415	445			
Slate	Black		445	455			
Slate	White		455	540			
Sand		Hard	540	615	G.O.W.	545 to 550	
Slate			615	618			
Lime			618	670			
Slate			670	680			
Lime			680	690			
Slate			690	695			
Lime			695	720			
Slate & Shells			720	740			
Lime			740	755			
Slate & Shells			755	790			



Formation	Color	Hard or Soft	Top 1/4	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand		Hard	790	875	Water		
Slate	Black		875	880	840	840 to 850	
Slate & Shells			880	895			
Sand			895	1012	Gas	1010	
Lime			1012	1040			
Slate & Shells			1040	1105			
Lime		Gritty	1105	1138			
Slate & Shells	Black		1138	1160			
Lime			1160	1170			
Sand		Hard	1170	1315	Water	1260 to 1270	
Slate			1315	1325			
Sand		Hard	1325	1355			
Slate & Shells			1355	1365			
Lime			1365	1385			
Slate & Shells			1385	1403			
Rock	Red		1403	1410			
Lime			1410	1420			
Sand			1420	1435			
Slate			1435	1445			
Rockq	Red		1445	1450			
Lime & Rock	Red		1450	1490			
Slate & Shells			1490	1545			
Rockq	Red		1545	1555			
Lime			1555	1567			
Slate			1567	1573			
Lime & Shells			1573	1578			
Slate			1578	1581			
Lime Little			1581	1610			
Sand			1610	1635	Gas	160 1610-1620	
Slate			1635	1637			
Lime Big			1637	1680			
Conjunct's Sand			1680	1810	G.O.	1682-1689	
Sand P.			1810	1818	G.O.	1703	
Slate			1818	1821			
Total Depth				1821			

Date October 16, 19 63

Bear Run Oil & Gas Company

APPROVED

Owner

Thomas H. Laulis, Jr.
President

By

Thomas H. Laulis, Jr.
(Title)

Formation	Color	Hard or Soft	Top / 4	Bottom	Oil, Gas or Water	Depth Found	
December 7, 1967							
Well was logged by Allegheny Nuclear Surveys, Inc. Gamma-Neutron-Density-Caliper-Temp.							
December 8, 1967							
4½" Casing was run to 4485' and cemented with 100 sks. Cement & 10 sks. Gel. Cementing was done by Lawson Cementing Co.							
December 13, 1967							
Well was perforated by Allegheny Nuclear Surveys, Inc. 4409-4411 18 holes.							
Well was frac by Halliburton Co. 1000 bbls. Treated Water 33,000 lbs. Sand 500 gals Acid 50 gals Morflo 500 lbs. WAC 10							
Max. Treating Pressure 3000# Min. Treating Pressure 2500# Injection Rate 27 B P M							

Date 1-13, 1968
 APPROVED Jerry Mason, Owner
 By Engineer (Title)