



ACCURACY: 1P / 200P

Source of Elevation ROAD INTERSECTION (859')

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

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

Company	PENN RESOURCES, INC.		
Address	PHILADELPHIA, PA.		
Farm	LEVI ROBERTS HEIRS		
Tract	Acres	225	Lease No.
Well (Farm) No.	1	Serial No.	
Elevation (Spirit Level)	1092'		
Quadrangle	CENTERPOINT		
County	DODDRIDGE	District	McCLELLAN
Engineer	CHET WATERMAN		
Engineer's Registration No.	3788		
File No.	71003-108	Drawing No.	
Date	4/1/71	Scale	1" = 40 P

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

WELL LOCATION MAP
FILE NO. Dodd-1618

+ 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.



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39-20
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STATE OF WEST VIRGINIA OIL & GAS DIVISION
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

Rotary
Spudder
Cable Tools
Storage C. NOLE
Oil or Gas Well OFG
(KIND)

Quadrangle Centerpoint
Permit No. DODD-1618

WELL RECORD

Company Penn Resources
Address P. O. Box 5056, Philadelphia, Pa. 19111
Farm Roberts Neirs Acres 156
Location (waters) Higgins Run
Well No. 1 Elev. 1092
District McClellan County Doddridge
The surface of tract is owned in fee by Roberts Neirs
Address Pennsboro, W.Va.
Mineral rights are owned by Roberts Neirs
Address Pennsboro, W.Va.
Drilling commenced April 22, 1971
Drilling completed May 18, 1971
Date Shot 5/31.71 From _____ To _____
With _____
Open Flow 5/10ths Water in 2 Inch
_____/10ths Merc. in _____ Inch
Volume 105M cuft Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil Show bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) 500 gal - 800 bls fluid 35000 sand

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	32'	32	
13			Size of
10	638'	638	
8 1/4	1175'		Depth set
6 5/8			
5 3/16	2190	2190	Perf. top
4 1/2			Perf. bottom
3			Perf. top
2			Perf. bottom
Liners Used			

Attach copy of cementing record.
CASING CEMENTED 10" SIZE 638 No. Ft. _____ Date _____
Amount of cement used (bags) 4 1/2 80 bags
Name of Service Co. Lawson
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES
_____ FEET _____ INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 25.96 750M cuft 750,000
ROCK PRESSURE AFTER TREATMENT 470 HOURS 24 8 bls oil
Fresh Water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth 2180

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Top Soil			0	15			
Sand			15	60			
Red Rock			60	90			
Sand			90	120			
Coal			120	125			
Slate			125	145			
Sand			145	160			Water 155'
Slate			160	210			
Red Rock			210	260			
Slate			260	330			
Sand			330	375			
Slate & Shells			375	460			
Lime			460	525			
Slate			525	550			
Sand			550	570			
Slate			570	610			
Coal			610	615			
Slate			620	630			
Lime			630	655			
Slate			655	675			
Sand			675	730			
Slate			730	760			
Sand			760	780			
Slate & Shells			780	790			
Gritty Lime			790	835			
Slate			835	875			
Red Rock			875	905			
Lime			905	920			
Slate & Shells			920	975			

(over)

AUG 3 1971

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Red Rock			975	990			
Slate			990	1065			
Sand			1065	1085			
Slate			1085	1130			
Sand			1130	1150			
Slate			1150	1260			
Sand			1260	1360			
Slate			1360	1365			
Sand			1365	1450			
Slate			1450	1455			
Gritty Lime			1455	1490			
Black Slate			1490	1530			
Sand			1530	1630			
Slate			1630	1645			
Sand			1645	1670			
Slate			1670	1745			
Dark Sand			1745	1835			
Slate			1835	1920			
Dark Lime			1920	1950			
Sand Blue Munday			1950	1972			
Gritty Lime			1972	2055			
Sand <i>Big Igou</i>			2055	2128	Smell oil & gas		
Slate			2128	2140			
Sand			2140	2190			
Slate			2190	2223			
Total Depth			2223				

Date June 7, 19 71

APPROVED _____, Owner

By _____ (Title)