



ACCURACY: 1P / 200P

Source of Elevation RIGGINS RUN INTERSECTION (858')

- 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	PENN. RESOURCES, INC.	Willard E. Ferrell, Agt.
Address	PHILADELPHIA, PA.	
Farm	LEVI ROBERTS HRS.	
Tract	Acres 255	Lease No. 2
Well (Farm) No.	4	Serial No.
Elevation (Spirit Level)	922'	
Quadrangle	CENTERPOINT	WC
County	DODDGE	District McCLELLAN
Engineer	CHET WATERMAN	
Engineer's Registration No.	3788	
File No.	71003-269	Drawing No.
Date	7/14/71	Scale 1" = 20P

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

WELL LOCATION MAP
FILE NO. Dodd-1630

+ 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

WELL RECORD 3

39-30
A-35
Quadrangle Centerpoint

Permit No. DOD 1630

Rotary _____ Oil _____
Cable X Gas Both NOTE
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Company <u>Penn Resources, Inc. Willard E. Ferrell, Agent</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>1 Dceker Sq. Bala Cynwyd, Pa.</u>	Size			
Farm <u>Levi Roberts</u> Acres <u>255</u>	20-16			
Location (waters) <u>Riggens Run</u>	Cond.	20	20	
Well No. <u>Series 2 - farm 4</u> Elev. <u>922</u>	13-10"	414	414	
District <u>McCullen</u> County <u>Dodgridge</u>	9 5/8			
The surface of tract is owned in fee by _____	8 5/8	1207		
<u>Floyd Glasp</u>	7			
Address <u>West Union</u>	5 1/2			
Mineral rights are owned by <u>Roberts Heirs</u>	4 1/2	2095	2095	
Address <u>Vienna, West Va.</u>	3			
Drilling Commenced <u>Aug. 23, 1971</u>	2			
Drilling Completed <u>Sept. 27, 1971</u>	Liners Used			
Initial open flow <u>60M</u> cu. ft. <u>show</u> bbls.				
Final production <u>450M</u> cu. ft. per day <u>3</u> bbls.				
Well open <u>24</u> hrs. before test <u>470</u> RP.				

Well treatment details: Attach copy of cementing record.
Fractured Oct. 6, 1971 --- 500 gal. Acid -- 750 bls. fluid - 25000 lbs sand.

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun _____ Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil			0	10		
Red Rock			10	30		
Slate & Shells			30	40		
Sand			40	60		
Slate & Shells			60	125		
Red Rock			125	137		
Slate & Shells			137	160		
Red Rock			160	170		
Sand			170	185		
Red Rock			185	205		
Slate & Shells			205	285		
Sand			285	310		
Slate & Shells			310	350		
Red Rock			350	370		
Lime			370	520		
Slate & Shells			520	525		
Red Rock			525	535		
Slate & Shells			535	530		
Sand			630	665		
Slate & Shells			665	700		
Red Rock			700	730		
Slate & Shells			730	795		
Red Rock			795	847		

RECEIVED
MAR 22 1972

OIL & GAS DIVISION
DEPT. OF MINES

* Indicates Electric Log tops in the remarks section.

(over)

Formation	Color	Hard or Soft	Top Feet ³	Bottom Feet	Oil, Gas or Water	* Remarks
Slate & Shells			847	910		
Red Rock			910	940		
Slate & Shells			940	945		
Sand			945	950		
Slate & Shells			950	960		
Black Slate & Shells			960	1000		
Sand			1000	1055		
Slate			1055	1075		
Black Slate			1075	1085		
Slate & Shells			1085	1190		
Sand			1190	1240		
Slate & Shells			1240	1250		
Sand			1250	1300		
Slate & Shells			1300	1475		
Sand			1475	1530		
Slate & Shells			1530	1547		
Sand			1547	1635		
Slate & Shells			1635	1690		
Sand			1690	1770		
Slate & Shells			1770	1792		
Pink Rock			1792	1840		
Lime	L. Lime		1840	1877		
Sand	D. M.		1877	1887		
Lime	B. Lime		1887	1967		
Sand	Big Injun		1967	2095		
Slate & Shells			2095			
			Total Depth 2095			

Date Mar. 20, 1922

APPROVED William C. G. [Signature], Owner

By [Signature]
(Title)