



- 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	<u>PENN RESOURCES, INC.</u>	<u>Willard E. Ferrell</u>
Address	<u>PHILADELPHIA, PA.</u>	
Farm	<u>T.B. BATES</u>	
Tract	<u>Acres 50</u>	Lease No. _____
Well (Farm) No.	<u>1</u>	Serial No. _____
Elevation (Spirit Level)	<u>894'</u>	
Quadrangle	<u>CENTERPOINT</u>	
County	<u>DODDRIDGE</u>	District <u>McCLELLAN</u>
Engineer	<u>CHET WATERMAN</u>	
Engineer's Registration No.	<u>3723</u>	
File No.	<u>71003-15</u>	Drawing No. _____
Date	<u>1/16/71</u>	Scale <u>1" = 30P</u>

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

WELL LOCATION MAP
FILE NO. DOD-1614

+ 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.

39-30
5-31



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STATE OF WEST VIRGINIA OIL & GAS DIVISION
DEPARTMENT OF MINES, OF MINES
OIL AND GAS WELLS DIVISION 2

- Rotary
- Spudder
- Cable Tools
- Storage
- Oil or Gas Well *Both*

E. NOLL
oil
Both
\$ 995

Quadrangle Centerpoint
Permit No. DODD-1614

WELL RECORD

Company Pern Resources
Address P. O. Box 5056, Philadelphia, Pa. 19111
Farm T. B. Bates Acres 50
Location (waters) _____
Well No. 1 Elev. 894
District McClellan County Doddridge
The surface of tract is owned in fee by T. B. Bates
West Union Address W. Va.
Mineral rights are owned by Shirley Smith Vincent
et al Address 1 Plateau Rd. Baltimore, Md.
Drilling commenced Feb. 23, 1971
Drilling completed Apr. 9, 1971
Date Shot 4/7 From _____ To _____
With _____
Open Flow 3/10ths Water in 2 Inch
1/10ths Merc. in Inch
Volume 80m cuft Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil Show bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) 500 gal Acid- 750 Bls fluid 35000 lbs sand
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 425 cuft show 2 bbl oil
ROCK PRESSURE AFTER TREATMENT 460 HOURS 24
Fresh Water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth 1908

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	18'	18'	
13			Size of
10	516'	516'	
8 1/4	1060'		Depth set
6 3/4	1175'		
5 3/16			Perf. top
4 1/2	2090	2090	Perf. bottom
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record.
CASING CEMENTED 10" SIZE 516 No. Ft. _____ Date _____
Amount of cement used (bags) 4 1/2 60 bags
Name of Service Co. Lawson
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
425 cuft show 2 bbl oil 2 BORD

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Top Soil			0	10			
Slate			10	20			
Coal			20	21			Water 20'
Slate			21	225			
Sand			225	250			
Slate			250	255			
Coal			255	260			
Slate			260	300			
Red Rock			300	320			
Slate			320	325			
Red Rock			325	335			
Slate			335	480			
Coal			480	485			
Slate & Lime Shells			485	550			
Sand			550	610			
Slate & Shells			610	650			
Red Lime			650	660			
Slate & Shells			660	666			
Sand			666	690			
Slate & Shells			690	755			
Red Rock			755	790			
Slate & Shells			790	845			
Red Rock			845	890			
Slate & Shells			890	955			
Sand			955	970			
Slate			970	980			
Slate & Shells			980	1025			
Sand			1025	1050			
Slate			1050	1130			

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(over)

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			1130	1175			
Slate			1175	1180			
Sand			1180	1232			
Slate			1232	1250			
Sand			1250	1380			
Slate			1380	1448			
Sand			1448	1600			Water 1460
Slate			1600	1670			
Sand			1670	1735			
Slate			1735	1740			
Critty Lime			1740	1765			
Red Lime			1765	1790			
Slate			1790	1805			
Dark Lime			1805	1845			
Blue Lime			1845	1908			
Sand Big Injun			1908		Show gas 1910 - 1915, 11/10 - 3/4"		
Total Depth			2095		Water 1938		
					Show oil & gas 1943 - 1955		
					13/10 - 3/4"		

Date June 7, 1971

APPROVED Penn Resources, Owner

By (Title)