



GREAT KANAWHA PETROLEUM, COAL & LUMBER Co.

B.M. AT UCT. OF SEC. RT. 44 & U.S. RT. 119
 ERROR OF CLOSURE 1/267

- New Location .
- Drill Deeper
- Redrill
- Abandonment

"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."

Company VAN HEUSEN, INC.
 Address CHARLESTON, W.VA.
 Farm R.G. QUARRIER, HIERS
 Tract _____ Acres 380 Lease No. _____
 Well (Farm) No. 6 Serial No. _____
 Elevation (Spirit Level) 1117.5'
 Quadrangle PEYTONA - NC
 County KANAWHA District LOUDEN
 Engineer G. F. Hall
 Engineer's Registration No. 2602
 File No. _____ Drawing No. _____
 Date NOV. 2, 1964 Scale 1" = 1,000'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. KAN-2027

+ 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.

6-6 Kanawha Forrest 305 Deep Well (Newburg)

tools by 11/27/66. Rotary drilled hole from 1640 to 5460 from 12/1/66 to 12/7/66.

38-15
2-32



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 3

OIL & GAS DIVISION
DEPT. OF MINES

Rotary
Spudder
Cable Tools
Storage G. NOLL
Oil or Gas Well Gas (KIND)

WELL RECORD

Quadrangle Peytona
Permit No. Kan. 2027

Company Van Heusen, Inc.
Address Kanawha Valley Bank Bldg. Chas., W. Va.
Farm Russell G. Quarrier Heirs Acres 1093.13
Location (waters) Four Mile Fork of Lens Creek
Well No. 6 Elev. 1111.01
District Louden County Kanawha
The surface of tract is owned in fee by Lucy S. Quarrier
800 Orchard Street Address Charleston, W. Va.
Mineral rights are owned by _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16 KB			
10 9-5/8	1624	1624	Size of
8 1/4			Depth set
6 3/4			
5 3/16			
4 1/2			
3 1/2 (9.2)	5437	5437	Perf. top <u>5410</u>
2			Perf. bottom <u>5417</u>
Liners Used			Perf. top
			Perf. bottom

Drilling commenced 1966 Dec. 1, 1966
Drilling completed Nov. 27, 1966 Dec. 7, 1966
Date Shot From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch

Attach copy of cementing record. See Chronological Sequence
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.

Amount of cement used (bags) _____
Name of Service Co. Dowell
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) 12/29/66 "See Below"

FEET _____ INCHES _____ FEET _____ INCHES
FEET _____ INCHES _____ FEET _____ INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 1,150,000
ROCK PRESSURE AFTER TREATMENT 2040 HOURS

1,150 MCF GPD

Fresh Water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Newburg Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Lithology based on Gamma Log: (Log run and measured from K.B.)							
and			0	34			
limestone & shale			34	388			
and limestone & shale			388	456			
and limestone			456	615			
and shale			615	790			
and limestone			790	802			
and shale			802	827			
and shale			827	843			
and shale			843	865			
and limestone			865	900			
and limestone			900	908			
and limestone			908	1064			Salt Sand
and shale			1064	1086			
and shale			1086	1174			
and shale			1174	1193			
and shale			1193	1260			
and shale			1260	1292			Maxon
and shale			1292	1318			
little Lime			1318	1390			
big Lime			1390	1566			
big Injun			1566	1604	Porosity	(Density Log) 1576-1588	
and shale			1604	4639			
nonodaga			4639	4732			
triskany			4732	4741			No Porosity
limestone			4741	4940		4940	Top of Silurian

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Formation	Color	Hard or Soft	Top β	Bottom	Oil, Gas or Water	Depth Found	Remarks
Dolomite & Anhydrite Newburg ✓	510		4940 5404	5404 5425			
Dolomite McKenzie			5425	5461	Porosity (Density Log) T.D. Driller	5408-12; 5414-18 5460	
<u>CHRONOLOGICAL SEQUENCE OF EVENTS</u>							
11/27/66	Well drilled to 1640 with cable tool rig.						
11/27/66	Gamma Ray (0-1633); Density (1250-1633) - <u>Birdwell.</u>						
11/28/66	Ran 1624' of 9-5/8" casing; cemented with 125 sacks - <u>Dowell.</u>						
12/1/66 - 12/7/66	Drilled 8-3/4" rotary hole from 1640 to 5460.						
12/8/66	Gamma Ray (4600-5451); density (4637-5461) - <u>Birdwell.</u>						
12/8/66	Ran 5437' of 3 1/2" (J-55-9.5#).						
12/8/66	Cemented 3 1/2" with 180 sacks of bulk cement, and 800 gallons of "Cealment" - <u>Dowell.</u>						
12/23/66	Ran cement bond log - <u>McCullough.</u> Top of cement 4532.						
12/23/66	Perforated 3 1/2" casing with 2-1/8" - 22 gram "Kleen" jets - <u>McCullough.</u>						
	Avg. hole diameter - 4.9"						
	Avg. total depth - 7.11"						
	Avg. flow index - 1.10						
	<u>Perforations (Correlated to Gamma Log):</u>						
	4 holes - 5410						
	2 holes - 5415						
	2 holes - 5417						
12/29/66	Fracked well - <u>Dowell:</u>						
	1,000 gallons mud acid (spearhead)						
	25,000 pounds of sand						
	659 Bbls. water						
	131,000 cubic feet of nitrogen						
	Breakdown pressure - 5300#						
	Maximum pressure - 5400#						
	Average pressure - 5287#						
	Shut in pressure - 4600#						
	Flow back - 15 minutes						
	Adjusted Injection Rate - 11.7						
F.O.F.			1,150,000				
			2040#				

Date April 9, 1971

APPROVED _____, Owner

By J. A. Pace - Vice President
(Title) Pace Construction Co.