



Bench Mark Data:

U.S.G.S. Standard Disk stamped "T-97, 1956, set in S.E. headwall of culvert under U.S. Route No. 21, 900' N.E. of intersection of Spring Branch Road. Elevation = 671.0.

Accuracy of survey is within limits set by the Oil & Gas Division, W.Va. Department of Mines.

- New Location
- Drill Deeper
- Abandonment

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge, belief and opinion. 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."

John H. Burnett

Company	<i>Ashland Oil & Refining Co.</i>		
Address	<i>Ashland, Kentucky</i>		
Farm	<i>A.S. Peters Unit</i>		
Tract	Acres	317	Lease No. _____
Well (Farm) No.	2	Serial No.	4979
Elevation (Spirit Level)	776.4		
Quadrangle	<i>Kenna</i>	<i>50</i>	
County	<i>Kanawha</i>	District	<i>Poca</i>
Engineer	<i>John H. Burnett</i>		
Engineer's Registration No.	1442		
File No.	64-C	Drawing No.	_____
Date	<i>Dec. 2, 1968</i>		
Scale	1" = 400'		

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

WELL LOCATION MAP
FILE NO. *Kan-2341*

+ 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

Quadrangle Kenna

WELL RECORD

Permit No. KAN-2341

Oil or Gas Well Gas
(KIND)

Company Ashland Oil & Refining Company
Address P. O. Box 391, Ashland, Ky. 41161
Farm A. S. Peters Unit Acres 317
Location (waters) Spring Branch of Tappers Creek
Well No. 2 Elev. 796 KB
District Poca County Kanawha
The surface of tract is owned in fee by J. P. Lanham
517 Lake St. Address Morgantown, W. Va.
Mineral rights are owned by Jack E. Ray
Box 543, Legg Fk. Address Sissonville, W. Va.
Drilling commenced 1-12-69
Drilling completed 1-25-69
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
_____ bbls., 1st 24 hrs.
WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 3/8	38	38	Cemented at 55'
10			Size of
8 x 5/8	1813	1813	Cemented at 1830'
6 5/8			Depth set
5 1/2	5613	5613	Cemented at 5630'
3			Perf. top
2 3/8		5612	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

13 3/8 with 75 sacks 1-12-69
CASING CEMENTED 8 5/8 SIZE 660 sx No. Ft. 1-18-69 Date
5 1/2" with 100 sx. 1-23-69

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

WELL FRACTURED 1-29-69 w/500 gal. mud acid, 767 Bbls. treated water, 24,000# sand. Rate 20.5 MM at 4978 psi. Pumped 55 gallons of Baroid B-11 Biocide ahead.

RESULT AFTER TREATMENT CAOF by Isochronal test - 23.6 MM/D 72,600,000 23,600 Mcf

ROCK PRESSURE AFTER TREATMENT 96 Hour Well Head 1693.5 psig Dead Weight

Fresh Water 110' Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand			0	10			
Sandy Shale,	Red		10	40			
Sand			40	70			
Sand & Shale			70	120			Hole Wet at 110'
Sand			120	400			
Sand & Shale			400	640			
Sand			640	780			
Sand & Shale			780	1041			
Salt Sand			1041	1422	5659	5659	
Sand & Shale			1422	1431	796	4882	
Big Lime			1431	1714	4863	777	
Injun Sand	Red		1714	1750			
Shale			1750	1780			
Sand & Shale			1780	2095			
Shale			2095	4779			
Corniferous Lime			4779	4882			
Oriskany Sand			4882	4920			
Lime & Dolomite			4920	5659			H ₂ S Gas at about 5200' & 5500'
Newburg Sand			5659	5663			Newburg Gas at 5659' - Est. 20 MM Natural
TD				5663			



(over)