

CO: 039 PMT: 2045
 Loc Digitized from OGIS 7.5' Mylar
 QUAD: 325 DATE: 9-FEB-90
 LAT: 38 00.0 Miles South: 1.27
 LONG: 81 25.0 Miles West : 1.24

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 1 of the rules and regulations of the oil and gas division of the mining laws of West Virginia.

John H. Burtwell

Error of closure is within the limits set by the Oil & Gas Division, W. Va. Dept. of Mines.

Elevation based on information furnished by Oglebay Norton Company.

New Location
 Drill Deeper
 Abandonment

OGLEBAY NORTON CO. COORDINATES LOC. No. 2
 S 28,491.54 E 4,029.82

Company ASHLAND OIL & REFINING CO
 Address CHARLESTON, W. VA.
 Farm KANAWHA VALLEY BANK, TRUSTEE, ET AL
 Tract _____ Acres 5626 Lease No. 10306
 Well (Farm) No. 2 Serial No. 4108
 Elevation (Spirit Level) 1982.0
 Quadrangle EGGLES - NW
 County KANAWHA District CABIN CREEK
 Engineer John H. Burtwell
 Engineer's Registration No. 1442
 File No. 19-A Drawing No. _____
 Date MAY 25, 1965 Scale 1" = 1000'

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

WELL LOCATION MAP
 FILE NO. KAN-2045

+ 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 Eccles

WELL RECORD 9

Permit No. KAN-2045

Oil or Gas Well Gas
(KIND)

Company Ashland Oil & Refining Company
Address Box 1913, Charleston, W. Va. 25327
Farm Kanawha Valley Bank, Tr. et al Acres 5,626
Location (waters) Fifteen Mile Fork of Cabin Creek
Well No. 2 - 4108 Elev. 1994' KB
District Cabin Creek County Kanawha
The surface of tract is owned in fee by Kanawha Valley Bank
Tr., Mr. E. E. Thomas, Vice President & Trust
West Virginia 25301 Address Officer, Charleston,
Mineral rights are owned by Same

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			Size of
13 3/8"	20'	20'	Depth set
10			Perf. top <u>See note</u>
8 1/2"			Perf. bottom
8 1/2" 7" OD	2333'	2333'	Perf. top
5 3/16"			Perf. bottom
4 1/2"	3459'	3459'	
2			
Liners Used			

Address _____
Drilling commenced July 7, 1965
Drilling completed July 16, 1965
Date Shot _____ From _____ To _____
With _____

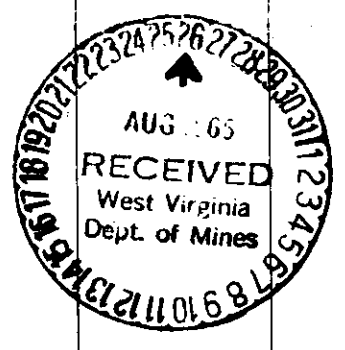
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____

CASING CEMENTED 13 3/8" 25 sx.
7" 40 sx. 75 ft. 8 sx. jeld
4 1/2" 60 cu. ft. 50-50 11 ft. 60" Date _____

COAL WAS ENCOUNTERED AT 75-77 FEET 84-85' INCHES
141-142 FEET 181-191' INCHES 310-317 FEET 454-457' INCHES
462-466 FEET 534-537' INCHES 1110 FEET 36 INCHES

WELL FRACTURED 8/4/65 with 500 gals. mud acid, 734 bbls. treated water, 59,000 lbs. sand and
70,000 standard cubic feet nitrogen.
RESULT AFTER TREATMENT Final open flow 8/10 W 4" - 474,000 cu. ft. - WEIR
ROCK PRESSURE AFTER TREATMENT 72 hours - 710 p.s.i.
Fresh Water _____ Feet _____ Salt Water _____ Feet _____


Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand			0	33			
Sand & Shale			33	75			
Coal			75	77			
Sand & Shale			77	84			
Coal			84	85			
Sand & Shale			85	141			
Coal			141	142			
Sand & Shale			142	150			
Sand			150	189			
Coal			189	191			
Sand & Shale			191	207			
Shale			207	233			
Sand & Shale			233	244			
Sand			244	270			
Sand & Shale			270	292			
Sand			292	310			
Coal			310	317			
Sand			317	392			
Sand & Shale			392	454			
Coal			454	457			
Sand & Shale			457	462			
Coal			462	466			
Sand & Shale			466	534			
Coal			534	537			
Sand & Shale			537	810			
Shale			810	929			
Sand & Shale			929	954			
Shale			954	1110			
Coal			1110	1113			
Sand & Shale			1113	1130			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Shale			1130	1183			
Sand & Shale			1183	1341			
Sand			1341	1447			
Sand & Shale			1447	1558			
Sand			1558	1782			
Sand & Shale			1782	2264			
Red Rock & Shale			2264	2351			
Sand, Shale & Red Rock			2351	2508			
Red Rock & Shale			2508	2625			
Sand & Shale			2625	2762			
Maxton Sand			2762	2774			
Shale			2774	2780			
Lime		Shaley	2780	2845			
Shale			2845	2861			
Big Lime			2861	3183			
Sand - 309	Red		3183	3214			
Shale			3214	3250			
Upper Weir Sand			3250	3321			
Sand & Shale			3321	3354			
Lower Weir Sand			3354	3421			
Shale			3421	3470			
TOTAL DEPTH				3470'			Insufficient gas to test at total depth
Electric Log Tops:							
Maxton			2754				
Big Lime			2868	3172			
Upper Weir			3258				
Lower Weir			3346				
Note:							
8-4-65 Perforated 4 1/2" casing with 1 hole each at: 3265', 3293', 3299', 3304', 3308', 3311', 3313', 3361', 3367', 3373', 3378', 3393', 3395' and 3397'.							

Date August 24, 1965

APPROVED ASHLAND OIL & REFINING COMPANY, Owner

By  Division (Title) Manager