



0.4535
0.1230

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

Elevation based on U.S.G.S., B.M. "TT-21" = standard metal disk set in concrete block just S.E. of intersection of roads at mouth of Huggard Branch of Legg Fork. Elevation = 703.0

"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 paragraphs 5 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

John H. Burnett

New Location
 Drill Deeper
 Abandonment

Company ASHLAND OIL, INC.
 Address ASHLAND, KENTUCKY
 Farm LILLIE SIGMAN ETAL UNIT
 Tract _____ Acres 163 Lease No. 2321
 Well (Farm) No. 1 (UNIT) Serial No. 5022
 Elevation (Spirit Level) 922.3'
 Quadrangle CHARLESTON NC
 County KANAWHA District POCA
 Engineer John H. Burnett
 Engineer's Registration No. 1442
 File No. _____ Drawing No. _____
 Date AUG. 11, 1970 Scale 1" = 660'

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

WELL LOCATION MAP
 FILE NO. KAN-2474

+ 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 WELLS DIVISION 3

Rotary
Spudder
Cable Tools
Storage G. Note

Quadrangle Charleston

WELL RECORD

Oil or Gas Well Gas
(KIND)

Permit No. Kan-2474

Company Ashland Oil, Inc.
Address P. O. Box 391, Ashland, Ky. 41101
Farm Lillie Sigman Acres 163
Location (waters) Fork of Legg Fork of Tappers Crk.
Well No. Unit #1 Elev. 922 GL
District Poca County Kanawha
The surface of tract is owned in fee by Darrel Shaffer, et al
Legg Route Address Sissonville, W. Va.
Mineral rights are owned by Juanita Miller, et al
P. O. Box 56 Address La Place, La. 70068
Drilling commenced 8/27/70
Drilling completed 9/10/70
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume 4,797 MMCF/1 Nat. Cu. Ft.
Rock Pressure 2102 psig DW 24 hrs.
Oil bbls., 1st 24 hrs.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 3/8	62	62	
10			Size of
8 5/8	1876	1876	
6 3/4			Depth set
5 1/2	5750	5750	
4 1/2			Perf. top
3			Perf. bottom
2 3/8	Siphon		Perf. top
Liners Used			Perf. bottom

WELL ACIDIZED (DETAILS)
WELL FRACTURED (DETAILS) Comp. Nat. - to be frac when necessary
RESULT AFTER TREATMENT (Initial open flow or bbls.) 4,797 MCF/GPD \$797,000
ROCK PRESSURE AFTER TREATMENT HOURS
Fresh Water Feet Salt Water Feet
Producing Sand Newburg Depth 5790-5814 ±

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand			0	88			
Shale			88	110			
Sand			110	355			
Shale			355	405			
Sand			405	684			
Shale and Sand			684	1104			
Salt Sand			1104	1512			
Shale			1512	1524			
Little Lime			1524	1592			
Pencil Cave			1592	1765			
Big Lime			1765	1810			
Injun			1810	2193			
Shale w/Sd streaks			2193	2215			
Coffee Shale			2215	2245			
Berea			2245	4893			
Shale			4893	5000			
Onandaga			5000	5043			
Oriskany			5043	5790			
Limestone & Dolomite			5790	5814 ±			
Newburg							
LTD 5814 (Not on bottom)							
Dolomite	<u>McKenzie</u>		5814	5830			
DTD 5830							

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FEB 16 1971

OIL & GAS DIVISION
DEPT. OF MINES

(over)

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
2.2' of 13 3/8" 48# J-55 reject @ 79.62' w/65 sx. w/ 3% CaCl							
875.65' of 8 5/8" 23# H-40 L. B. Foster csg. @ 1892.25 KB w/1guide shoe, 1 float collar and 3 centralizers Cem. w/400 CF 50/50 lite poz & 100 sx. neat w/3% CaCl, Circl. Cem. By Dowell Sept. 1, 1970							
749.65' of 5 1/2" 17# N-80 @ 5765 KB w/100 sk. Reg & 30 Sx by Halliburton Sept. 6, 1970					Latex (Circl. fluid to surface)		
779' of 2 3/8" 4.6# J-55 Reg. Tbg. @ 5793' KB Siphon String							
24 Hr. SIP on 9/18/70 2102 psig							
9/23/70 113 Hr. SI csg. press. 2100 psig, Calc. WHOF - 4.797 MMCF/D							
Put on Stream 1/28/71							

Date February 10, 1971

APPROVED ASHLAND OIL, INC. Owner
 By *Bill B. Hinkle* Division Manager (Title)