



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

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

Quadrangle Charleston  
Permit No. Kan-2446

WELL RECORD

Company Ashland Oil, Inc.  
Address P. O. Box 391, Ashland, Ky. 41101  
Farm Harry L. Paxton Acres 125  
Location (waters) Coolspring Br. of Tupper Cr.  
Well No. et al Unit #1-5014 Elev. 797 G. L.  
District Poca County Kanawha  
The surface of tract is owned in fee by Otis R. Thaxton et al  
Phone #343-1353 Address Charleston, W. Va.  
Mineral rights are owned by Harry L. Paxton et al  
Box 566 Address St. Albans, W. Va.  
Drilling commenced December 2, 1969  
Drilling completed December 14, 1969  
Date Shot From To  
With  
Open Flow /10ths Water in Inch  
75" Merc. in 3" Side Static Inch  
Volume After frac 6,790 M Cu. Ft.  
Rock Pressure 1351 lbs. 24 hrs.  
Oil 12/20/69 bbls., 1st 24 hrs.  
WELL ACIDIZED (DETAILS) 55 gal. Biocide B-11  
500 gal. 28% acid, 1,000 gal. 15% acid  
WELL FRACTURED (DETAILS) 12/20/69 - 831 bbl. wtr, 30,000# 2/40 Sd, 30# WG-6, 30# WAC-10,  
300# CWI, 20 gal. Moreflo, 20 gal. HALCO Suds, 1% KCl. Avg. Inj. 20.6 B/M  
Avg. Press 5063# ISP 4700# 6,790 MCF after frac w/1351# Rock  
RESULT AFTER TREATMENT (Initial open Flow or bbls.)  
ROCK PRESSURE AFTER TREATMENT 1335# 1/5/70 HOURS  
Fresh Water Feet Salt Water Feet  
Producing Sand Newburg Sand Depth 5684-5704

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size 20"	14'	14'	Cem. @ 29' Kind of Packer
13	258'	258'	Cem. @ 275' Size of
11 3/4"	1904'	1904'	Cem. @ 1921' Depth set
8 5/8"	5634'	5634'	Cem. @ 5649'
6 5/8"	5671'	5671'	Perf. top Perf. bottom
5 1/2"			
4 1/2"			
3"			
2 3/8"			

Attach copy of cementing record: 11 3/4" w/125 sx 12/4/69  
235 sx.  
CASING CEMENTED 8 5/8" w/130 sx. No. Ft. Date  
Amount of cement used (bags) 5 1/2" w/130 sx.  
Name of Service Co. Dowell, Halliburton, Dowell  
COAL WAS ENCOUNTERED AT FEET INCHES  
FEET INCHES FEET INCHES  
FEET INCHES FEET INCHES  
30,000# 2/40 Sd, 30# WG-6, 30# WAC-10,  
HALCO suds, 1% KCl, Avg. Inj. 20.6 B/M  
6,790 MCF after frac w/1351# Rock  
(6790 MCF) 6,790,000  
Depth 5684-5704

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Shale & Sd			0	1073			
Salt Sand			1073	1356			
Shale			1356	1508	5684	5684	
Little Lime			1508	1559	798	4899	
Pencil Cave			1559	1563	4886	715	
Big Lime			1563	1737			
Injun			1737	1780			
Berea			2190	2197			
Shale			2197	4796			
Corniferous			4796	4899			
Oriskany			4899	4946			
Lime & Dolomite			4946	5684			
Newburg			5684	5704			
Dolomite			5704	5710			
DTD				5710	MCK		

No Electric Logs Run

RECEIVED  
APR 29 1970

OIL & GAS DIVISION

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
ASING RECORD:							
4' of 20" Conductor @ 29'							Dec. 2, 1969 by rig crew.
58' of 11 3/4" 42# H-40 @ 275'							Cem. w/125 sx. Cem. by Dowell on 12/4/69.
904' of 8 5/8" 24# H-40 @ 1921 w/235 sx.							light Pozmix and 100 sx. Standard cem. w/2% Calcium chloride. Use HOWCO guide shoe, insert float valve, self-filling and 2 - S3 centralizers by Halliburton on 12/7/69.
634' of 5 1/2" 17# N-80 @ 5649' w/130 sx.							Bulk Cem., 5 CWT 5 sx Pluggest. Used 1 guide shoe, 5 centralizers and 1 float insert, self-filling by Dowell 12/12/69
671' of 2 3/8" 4.6# J-55 tubing @ 5685'							on hanger
WT 12/19/69							1351 psig, 761 MCF/D before Frac
2/20/69 Water frac by Halliburton.							Displaced 55 gal. Biocide B-11, 500 gal. 28% acid, 1000 gal. 15% acid, frac w/831 bbl. w/30,000# 20/40 sd, 30# WG - 6, 30# WAC-10, 300# CW-1, 20 gal. Morflo, 20 gal. Halco Suds & 1% KCL
avg. Inj. Rate 20.6 B/M							
avg. Press. 5063#							
Inst. S.I.P. 4700#							
Well on stream 2/27/69							(will not clean up for 4 point)
1/9/70 United Fuel ran stablized flow test.							With SIP of 1069.8#, Calc AOF = 1.92 MMCF/D. Using SIP of 1335.0 psig taken on Jan. 5, 1970, Calc. AOF = 2.72 MM/D. The 2.72 MM rate to be used for proration purposes.

Date April 24, 1970

APPROVED ASHLAND OIL, INC., Owner

By *W. B. Smith*  
Division Manager (Title)