

REVISED: NOV. 12, 1952

New Location  9768, 9769

Drill Deeper

Abandonment

MAP 54, 1794 W. 50: 5, 107, 173; FB, 1049, P. 15-23

Company HOPE NATURAL GAS CO.  
 Address CLARKSBURG, W. VA.  
 Farm BOONE COUNTY COAL CORP.  
 Tract 29,000 Acres Lease No. 60352  
 Well (Farm) No. \_\_\_\_\_ Serial No. AS SHOWN  
 Elevation (Spirit Level) AS SHOWN  
 Quadrangle LOGAN  
 County LOGAN District LOGAN  
 Engineer Wm. H. Bradlee  
 Engineer's Registration No. 2425  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date Nov 12, 1952 Scale 1" = 1000'

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

WELL LOCATION MAP

FILE NO. LOG-314-#9769  
LOG-315-#9768

+ 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.

314 6-16 292  
 315 4-0 142

3558

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

*Logan*

**WELL RECORD**

Permit No. LOG 315

Oil & Gas Well (KIND)

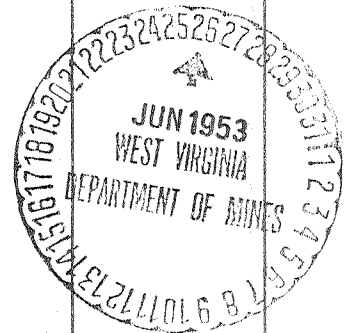
Company Hope Natural Gas Company.  
Address 445 West Main St. Clarksburg, W. Va.  
Farm Hoone County Coal Corp. Acres 29,000  
Location (waters) \_\_\_\_\_  
Well No. 9768 Elev. 1083  
District Logan County Logan  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_  
Drilling commenced March 18, 1953  
Drilling completed June 4, 1953  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With acidized 1000 gal.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16	33	33	Kind of Packer
13	42	42	
10	525	525	Size of
8 1/4	1784	Pulled	
6 1/2	2294	2294	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume 231,000 Cu. Ft.  
Rock Pressure 697# lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
Fresh water 113 745 feet \_\_\_\_\_ feet  
Salt water 1353 1902 feet \_\_\_\_\_ feet

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
7" set in 10 bags Cement 10 bags Gel.  
COAL WAS ENCOUNTERED AT 36 FEET 24 INCHES  
110 FEET 36 INCHES 304 FEET 48 INCHES  
489 FEET 72 INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface			0	36			
Coal			36	38			
Slate			38	52			
Sand			52	110			
Coal			110	113 <del>Slate</del>			
Slate			113	117	water	113	hole full
Sand			117	275			
Slate			275	304			
Coal			304	308			
Slate			308	392			
Sand			392	400			
Slate			400	454			
Sand			454	480			
Slate			480	489			
Coal			489	495			
Sand			495	576			
Lime			576	630			
Sand			630	695			
Slate			695	745			
Sand			745	789	water	745	1/4 bailer per hr.
Slate			789	930			
Sand broken			930	1175			
Slate			1175	1258			
Lime			1258	1312			
Salt sand			1312	1499	hole full water	1353	
Slate			1499	1522			
Dark lime			1522	1542			
Salt sand			1542	1770			
Gritty Lime			1770	1795			
Slate shell			1795	1852			
Sand			1852	1924	water	1902	1909
Lime			1924	1934			
Red rock			1934	1960			
Slate lime			1960	2041			
MAXON			2041	2060			
Red rock			2060	2088			
Lime			2088	2123			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate			2123	2138			
Red rock			2138	2153			
Lime			2153	2181			
LOWER MAXON			2181	2203			
Slate			2203	2218			
BIG LIME			2218	2467	gas	2448	
Red McCready			2467	2501			
Total depth				2501			

Date June 25, 1953, 19

APPROVED Hope Natural Gas Company, Owner

By (Signature)

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

RECEIVED  
Office of Oil & Gas

MAR 22 2012

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: Ark Land KH Operator Well No.: B.C.C. 9768

LOCATION: Elevation: 1083 Quadrangle: Amherstdale

District: Logan County: Logan

Latitude: \_\_\_\_\_ Feet South of \_\_\_\_\_ Deg. \_\_\_\_\_ Min. \_\_\_\_\_ Sec.

Longitude: \_\_\_\_\_ Feet West of \_\_\_\_\_ Deg. \_\_\_\_\_ Min. \_\_\_\_\_ Sec.

Well Type: OIL \_\_\_\_\_ GAS X

Company Joseph Pettey Coal Operator Mingo Logan Coal Co.  
P O Box 385 or Owner P O Box E  
Hamlin WV 25523 Sharples WV 25183

Agent Joseph Pettey Coal Operator \_\_\_\_\_  
or Owner \_\_\_\_\_

Permit Issued Date 1/24/12

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of Lincoln ss:

Patrick McChristian and Delfred L. Beaver being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well say that said work was commenced on the 22nd day of Feb., 2012 and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Redrilled from 0 to 555'		Milled permanent plug from 555' to 575'		
Redrilled to 1184'	Plugged well from 1184' to 0		thixotropic (Expanding Cement)	
According to MSHA Regulation 101.C to			allow mining through well bore.	

Description of monument: Erect monument with API#47-045-0315P and that the work of plugging and filling said well was completed on the 9th day of March, 2012

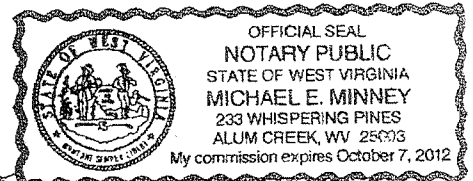
And further deponents saith not.

Patrick McChristian  
Delfred L. Beaver

Sworn and subscribe before me this 12<sup>th</sup> day of March, 2012

My commission expires: 10-7-2012

Michael E. Minney  
Notary Public



Affidavit reviewed by the Office of Oil and Gas:

Bruce Selby

Title: inspector 03/30/2012