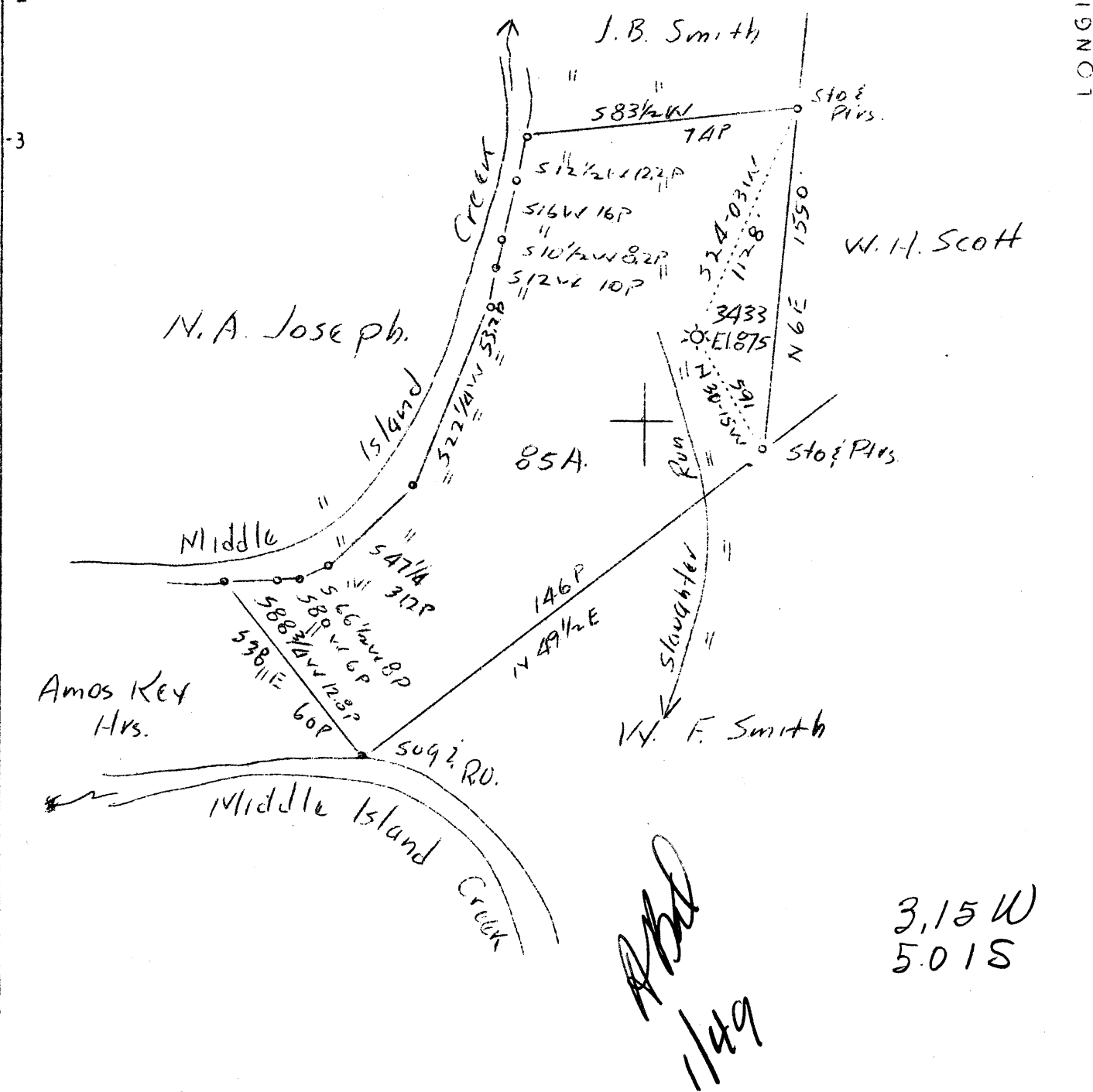


0 1 2 3 LATITUDE 39° 25'

LONGITUDE 80° 45'



Drill Deeper

F.B. 659 P 12

Company	Hope Natural Gas Co.
Address	Clarksburg, W.Va.
Farm	J.S.Keys
Tract	Acres .85 Lease No. 4548
Well (Farm) No.	1 Serial No. 3433
Elevation (Spirit Level)	875
Quadrangle	West Union <i>F.C.</i>
County	Doddrige District West Union
Engineer	Wm. Bowers
Engineer's Registration No.	900
File No.	Drawing No.
Date	Mar. 15, 1938 Scale 1"=40 Poles

STATE OF WEST VIRGINIA  
 Department of Mines  
 OIL AND GAS DIVISION  
 CHARLESTON

WELL LOCATION MAP

File No. DOD-87-D

+ 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.

66 ✓

LATITUDE 39°22'30"

92°44'08" LONGITUDE



T5 OGIS topo location

7.5' loc	<u>2.15 S</u>	15' loc	<u>5.03 S</u>
	<u>0.85 W</u>	(calc.)	<u>3.08 W</u>

Company HOME NATIONAL GAS Co

Farm J. S. KEYS 1

Quad WEST UNION +15' EC

County DODD

District WEST UNION

WELL LOCATION MAP

File No. 017-87

original

WEST VIRGINIA DEPARTMENT OF MINES

OIL & GAS DIVISION

WELL RECORD

Permit No. Dod-87-9

Gas Well

West Union Quad

CASING & TUBING

Company Hope Natural Gas Co.  
 Address Clarksburg, W. Va.  
 Farm J. S. Keys Acres 85  
 Location Middle Island Ck.  
 Well No. 3433 Elev. 875  
 District Union - County Doddridge

8-1/4	950	950
6-5/8	1787	1787

DRILLING DEEPER:

Not Cemented

Commenced 3-30-38

Completed 6-10-38

COAL ENCOUNTERED:

Date Shot 5-11-38 Depth 2484-2490  
 Fresh Water None  
 Salt Water None

Foot	Inches
65	60
495	?

Formation Color <sup>Mar</sup> 5 TOP Base Result Formation Color <sup>Mar</sup> 5 TOP Base Result

Drilling Deeper Record

Commenced at	1972			
Slate	1972	2060		
Gantz Sand	2060	2180		
Slate	2180	2285		
Fifty Foot Sand	2285	2288		
Gordon Stray Sand	2434	2440		
Gordon Sand	2484	2490	Gas 2486-2488	
Total Depth		2540		
		1972		
		(568) new ftg.		

WEST VIRGINIA DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL RECORD

Mod-87

Permit No. ....

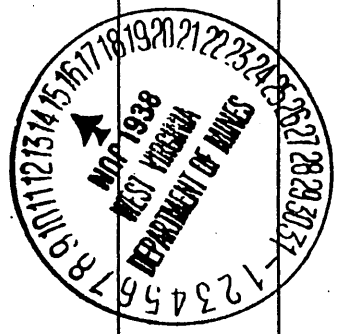
Oil or Gas Well Gas  
(Kind)

Company Hope Natural Gas Company  
 Address Clarksburg, W. Va.  
 Name J. S. Keys Acres 85  
 Location (waters) Middle Island Creek  
 Well No. 5433 Elev. 875  
 District Union County Loddridge  
 The surface of tract is owned in fee by  
 Address  
 Mineral rights are owned by  
 Address  
 Drilling Deeper 5-30-1938  
 Drilling commenced  
 Drilling completed 6-10-1938  
 Date shot 5-11-1938 Depth of shot 1484-2490  
 Open Flow /10ths Water in ..... Inch  
 /10ths Merc. in ..... Inch  
 Volume ..... Cu. Ft.  
 Back Pressure ..... lbs. .... hrs.  
 Fresh water ..... feet ..... feet  
 Salt water ..... feet ..... feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
18			
10			Size of
8 1/4	950	950	
6 5/8	1787	1787	Depth set
5 3/16			
8			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED ..... SIZE ..... No. FT. .... Date  
 Not cemented  
 COAL WAS ENCOUNTERED AT 65 FEET 60 INCHES  
495 FEET ? INCHES FEET INCHES  
 FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
			<u>Drilling Deeper record</u>				
Drilling deeper commenced at----			1972				
late			1972	2060			
antz sand			2060	2180			
late			2180	2285			
fifty foot sand			2285	2288			
ordon stray sand			2434	2440			
ordon sand			2484	2490	Gas	2486-2488	
Total Depth			2540				



**WEST VIRGINIA DEPARTMENT OF MINES  
OIL AND GAS DIVISION**

**WELL RECORD**

Permit No. 87

Oil or Gas Well Gas  
(Kind)

Company Hope Natural Gas Company  
 Address Clarksburg, W. Va.  
 Farm J. S. Keys Acres 85  
 Location (waters) Middle Island Creek  
 Well No. 3433 Elev. 875  
 District Union County Doddridge  
 The surface of tract is owned in fee by \_\_\_\_\_  
 Address \_\_\_\_\_  
 Mineral rights are owned by \_\_\_\_\_  
 Address \_\_\_\_\_  
 Drilling commenced 5-2-1914  
 Drilling completed 6-3-1914  
 Date shot Not shot Depth of shot \_\_\_\_\_  
 Open Flow /10ths Water in \_\_\_\_\_ Inch  
 /10ths Merc. in \_\_\_\_\_ Inch  
 Volume \_\_\_\_\_ Cu. Ft.  
 Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
 Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
 Fresh water None recorded feet \_\_\_\_\_ feet  
 Salt water None recorded feet \_\_\_\_\_ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	<u>489</u>	<u>Pulled</u>	Size of
8 1/4	<u>950</u>	<u>950</u>	
6 5/8	<u>1787</u>	<u>1787</u>	Depth set
5 3/16			
3			Perf. top
2	<u>1978</u>	<u>1978</u>	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_  
 Not cemented  
 COAL WAS ENCOUNTERED AT 65 FEET 60 INCH  
495 FEET ? INCHES FEET INCH  
 FEET INCHES FEET INCH

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
Native Coal			65	70			
Pittsburgh Coal			495	?			
Little Dunkard Sand			790				
Big Dunkard Sand			945	962			
Gas Sand			1015	1035			
First Salt Sand			1110	1200			
Second Salt Sand			1260	1400			
Maxon Sand			1450	1575			
Little Lime			1702	1730			
Pencil C ave			1730	1742			
Big Lime			1742	1827			
Big Injun Sand			1827	1917	Gas	1882-1895	
			<b>Total Depth</b>	<b>1972</b>			
			<b>To be drilled deeper.</b>				

