

New Location
 Drill Deeper
 Abandonment

NOTE: This survey was completed prior Jan. 4, 1963.
 Map Sheet 67, S-14, W-12; F.B. 1089, P. 15-18

Company	HOPE NATURAL GAS CO.
Address	CLARKSBURG, W. VA.
Farm	HARVEY SMITH
Tract	Acres 450 Lease No. 3390
Well (Farm) No.	Serial No. 419
Elevation (Spirit Level)	956'
Quadrangle	HOLBROOK (N.E.)
County	DODDRIDGE District WEST UNION
Engineer	Jackson M. Jarvis
Engineer's Registration No.	2397
File No.	Drawing No.
Date	6-7-63 Scale 1" = 40 POLES

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

WELL LOCATION MAP
 FILE NO. DOD-1054-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.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle Holbrook

Permit No. DOD-1054-D

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Hope Natural Gas Company
Address Clarksburg, W. Va.
Farm Harvey Smith Acres 450
Location (waters) _____
Well No. 419 Elev. 956
District West Union County Doddridge
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced 9-26-63
Drilling completed 10-28-63
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 117M Cu. Ft.
Rock Pressure 60# lbs. 24 hrs.
Oil none bbls., 1st 24 hrs.
WELL ACIDIZED no

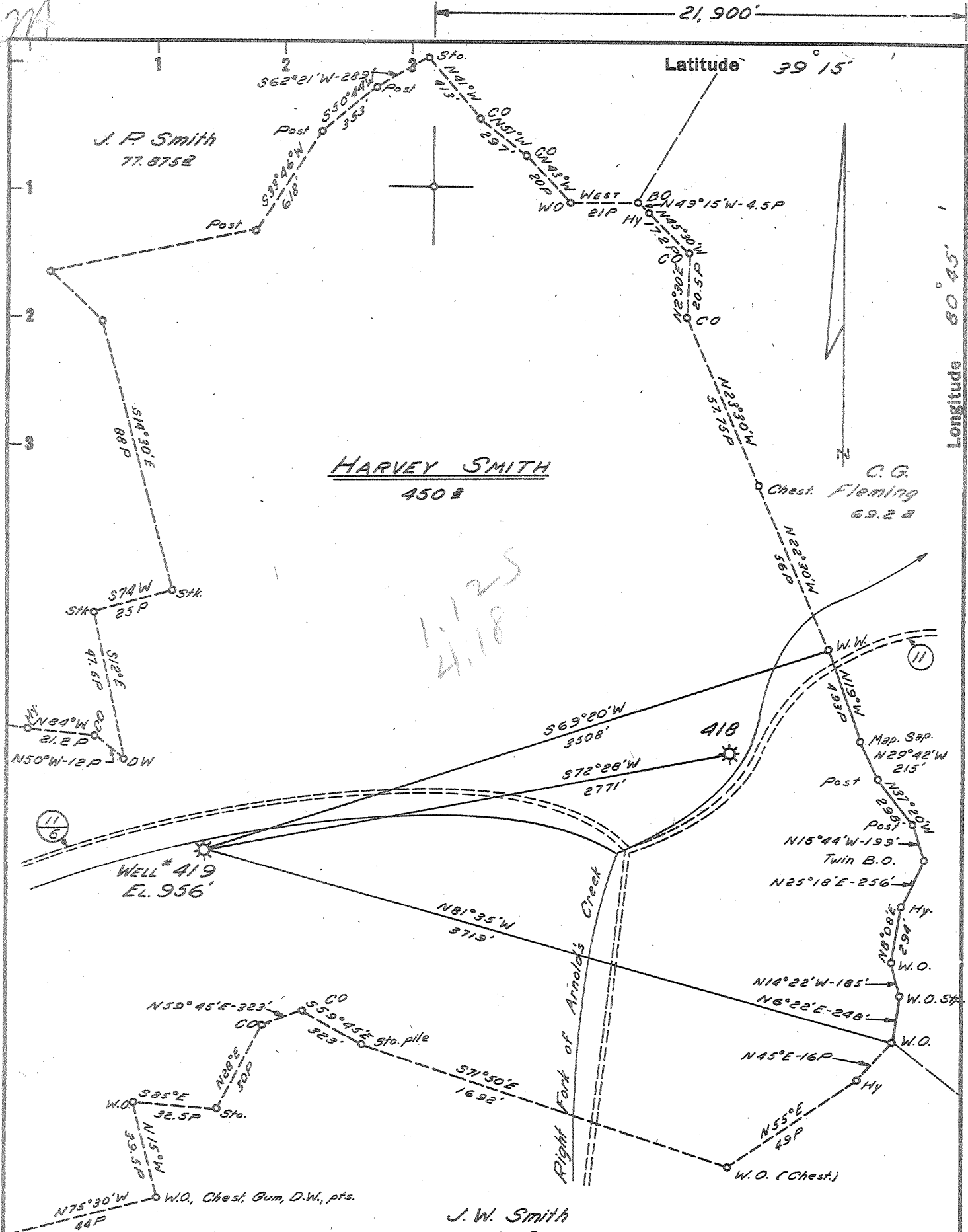
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	218	218	Size of
8 1/2	986	986	
6 3/4	1779	1779	Depth set
5 1/2 4 1/2	1994	1994	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 4 1/2 casing cemented with 50 bags SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
none FEET _____ INCHES FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES
WELL FRACTURED 10-21-63 - 700 bbls. water; 48,000 lb sand; max. pressure 2900#
inf. rate average 47.2 vbls-min
RESULT AFTER TREATMENT 1,141
ROCK PRESSURE AFTER TREATMENT same
Fresh Water none Feet _____ Salt Water none Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Commenced drilling				1865			
Injun			1858	1930	Gas	1860-80	
Total Depth				1975			



February 11, 1964
Hope Natural Gas Co.
Jack Gailley



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Engineer's Registration No.	2397
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Rotary
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WELL RECORD

Permit No. DOD-1054-D

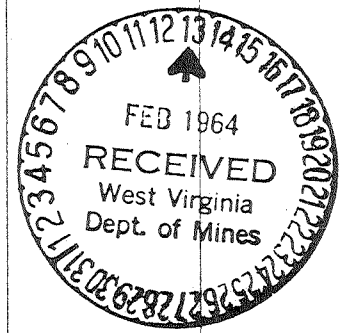
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Volume 117M Cu. Ft.
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WELL ACIDIZED no

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Liners Used			Perf. top
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CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date
4 1/2 casing cemented with 50 bags
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_____ FEET _____ INCHES FEET _____ INCHES
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ROCK PRESSURE AFTER TREATMENT same
Fresh Water none Feet _____ Salt Water none Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
				1865			
			1858	1930	Gas	1860-80	
				1975			
				<u>1976</u>			
				<u>1977</u>			
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				<u>2050</u>			



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