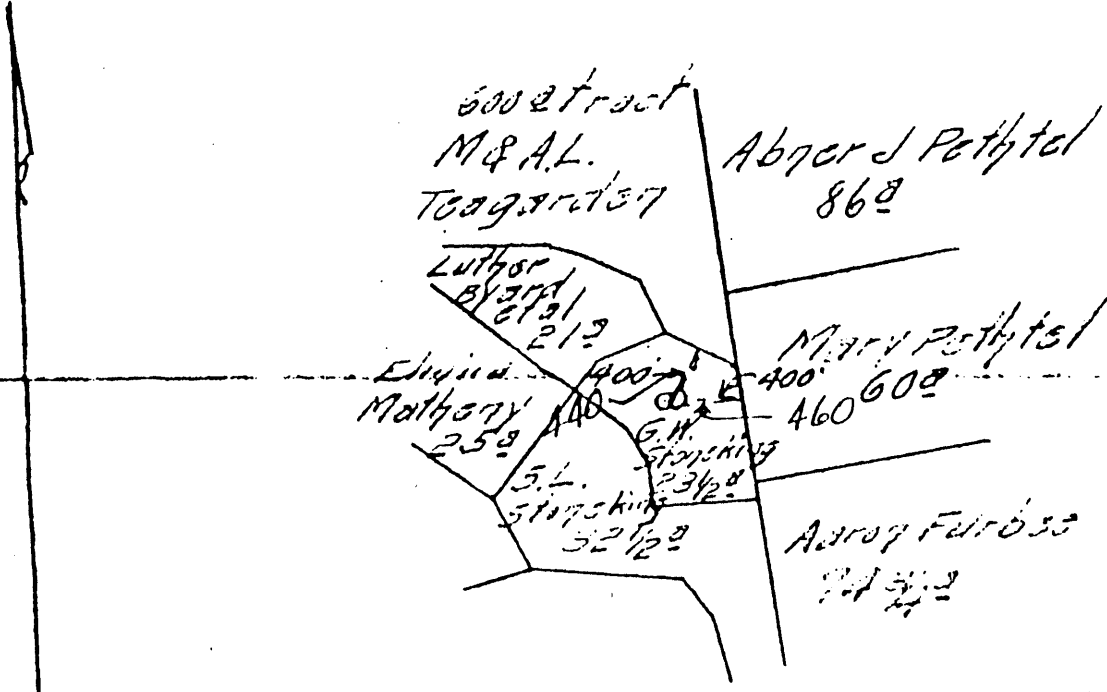


HOPE NATURAL GAS CO.

LOCATION FOR WELL No. 3496

On G. W. Stoneking Farm, on waters of Agarden Fork
Church District Putzel County, West Virginia.
 Lease No. 13112 Acres 25 R. 12 S. E. 8 W.
 Scale, one inch equals 80 Poles Sent to Clarksburg Office May 14 1914
 Location to be 400 feet from Mary Pethtel farm and 400 feet from
M. A. Lauryander farm
4-29-14

G. W. Stoneking
 Glouces Gap, W. Va.
 R. D. #1, Box #60



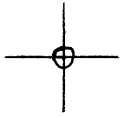
Wet - 688

32

THIS Special
 RESERVE is
 SPECIAL ESTABLISHED COMPLETE WELL ON OR BEFORE

Location made 5-14-14 by O. W. Straight As per plat, except as noted. On field map.
5-11-14 Returned to Pittsburgh 5-11-14
 Location changed on account of wood sleep
 Authorized by J. B. Lawrence Date 5-9-14 Signed W. B. Bradley

LATITUDE 39° 37' 30"



LONGITUDE 80° 27' 30"

7'5 OGIS topo location

7.5' 10C 0.685 15' 10C _____
 1.88 W (calc.) _____

Company _____

Farm _____

Quad GLOVER GAP 7 1/2

County WETZEL

District CHURCH

WELL LOCATION MAP

File No. 103 - 0688

(047)

Well No. 3496 Hope Natural Gas Company
 District Pittston A. W. Stouffer Farm No. Nov - 18 - 1920
12 S ✓ E 8 W ✓ **REPAIRS** Commenced May - 2 - 1920
 Completed Aug 26 - 1920

CASING AND TUBING RECORD

Size	Before Repairs	Pulled	Put in Well	After Repairs	Disposition of Amount Pulled
10 8 1/4	3850 1736 1/2	None	None	3850 1736 1/2	
6 3/8	2415'	None	None	2415'	
4" 1 1/2	2472'	2472'	None	None	Trans to Outland Stock
2" 1 1/2	Above	None	3393 1/2	3393 1/2	
2" Reg	None	None	None	None	

VOLUME AND PRESSURE TEST

BEFORE REPAIRS					AFTER REPAIRS				
Reading	Liquid	Opening	Rock or Minute Pressure	Pounds	Reading	Liquid	Opening	Rock or Minute Pressure	Pounds
10 10	Water	1/2	✓	✓	7 11/10	Water	2"	2440	275
					485' haul				

RECORD OF ANY DEEPER DRILLING

Formation	Top	Bottom
Commenced drilling at depth of	2447	
Berea	*2455	2645
Ripley Root	2728	2754
Thrust Root	3002	3017
Thrust Root	3070	3085
Gordon Shaly	3224	3250
Gordon	3282	3318
Fourth	3326	3330
Fifth	3359	3367
Total Depth	3378	

Names of Drillers
Hope Daily Dept
5-8-20 to Aug-26-1920

Names of Tool Dressers
Do.

Time (Days)

PACKER RECORD

Size	Kind	Anchor	Amount Above An
6 5/8 x 2	Anchor	244'	3148'

OIL AND GAS DISCOVERIES IN DEEPER DRILLING

Oil at _____ ft. in. _____ Sec

Gas at 3326 to 3327 ft. in. Fourth Sec

SHOOTING RECORD

Date	Quarts	Top of Shell	Bottom of Shell	Diameter	Sand	TEST BEFORE SHOT			TEST AFTER SHOT			Shot by	
						Reading	Liquid	Opening	Reading	Liquid	Opening		
8-18-20	10	3025	3029	5"	4 th	3 1/10	W	2"	3 1/10	W	2"	10-Min	Marietta
8-18-20	10	3359	3363	5"	5 th	3 1/10	W	2"	3 1/10	W	2"	24-Min	
												10-Min	
												2-Min	

Remarks: Pulled 4" 1 1/2" - Paired 700' water & cleaned out 5' during pull
 Starting to drill deeper Reduced hole at 3137 and did not see
 5 3/8" casing Tubed with 2" and shot in
 Perforation at 9 1/2' - ff bottom.

J. S. Cornell Forem

Well-688

Well No. 3496 ✓ Located on G.W. Stoneking Garner-Littleton District Church County Wetzel State

Location Made 5-17-14 First Work Done 5-22-14
 Rig Commenced 5-22-14 Rig Completed 5-30-14
 Drilling Commenced 7-15-14 Drilling Completed 8-20-14
 Rig Contractor Hope Rig Dept., Drilling Contractor Akins Brothers
 Drillers Ross Kendall, Link Hughes
 Tool Dressers Roy Taylor, Mack Burge

FORMATION	TOP	BOTTOM	Steel Line Measurements	Water Found Depth	Oil Found Depth	Gas Found Depth	REMARKS
Native Coal	1075	1080	S.L.				
Pittsburg Coal	1176	1186	"				
Little Dunkard	1590	1615	"				
Big Dunkard	1650	1705	"				
Gas Sand	1835	1880	"				
First Salt	1929	2010	"				
Second Salt	2140	2200	"				
Maxon	Lime Shells						
Little Lime	2345	2365	"				
Pencil Cave	2365	2370	"				
Big Lime	2370	2447	"				
Big Injun	2447					2450 2453	5/10 Mercury thru 6-5/8
Squaw							
Herea							
Gantz							
Fifty Foot							
Thirty Foot							
Gordon Stray							
Gordon							
Fourth							
Fifth							
Hayard							
Total Depth	2455						

SIZE	Charged to Well		Put in Well		Pulled Out		Left in Well		Transferred Before Completing		Left at Well Not in Use		If more than two strings of casing are left in hole, give reasons for leaving additional strings
	Foot	In.	Foot	In.	Foot	In.	Foot	In.	Foot	In.	Foot	In.	
13" Csg.													
10" "	403	7	385		None		385		None		18	7	
8 1/2" "	1736	3	1736	3	"		1736	3	"		None		
6.5-8" "	2460	9	2415	1	"		2415	1	"		45	8	
5.3-16" "													
Tbg.													

PACKER RECORD

SIZE	KIND	Amount Anchor	Amount Above Anchor	REMARKS
Not	tubed			

SHOOTING RECORD (If shot before or upon completion of well)

DATE	Quartz	Top of Shot	Bottom of Shot	Diameter	Sand	Test Before Shot			Test After Shot			Test Taken After Shot No. Hours	By Whom Shot
						Reading	Liquid	Opening	Reading	Liquid	Opening		
not	shot												

CEMENTING RECORD

Date Cemented..... Size Hole Cemented..... Size Casing Cemented.....
 Top Pittsburg Coal..... Top Cementing..... Amount Cement Used.....
 Bottom Pittsburg Coal..... Bottom Cementing..... Amount Sand Used.....
 Mr. Coal Company on ground when coal was cemented
 Remarks: Signature of persons who cemented well
 WELLS: DEC 17 1914 G.A.R.
 WALLACE: AUG 29 1914 J.C.L.
 LINDEN: SEP 3 1914 H.H.S.
 LOCATION: STONKING
 CONTRACTOR: L.L.V.
 CONTRACTOR TITLE:
 Approved by: *W.L. Shurtz* Foreman