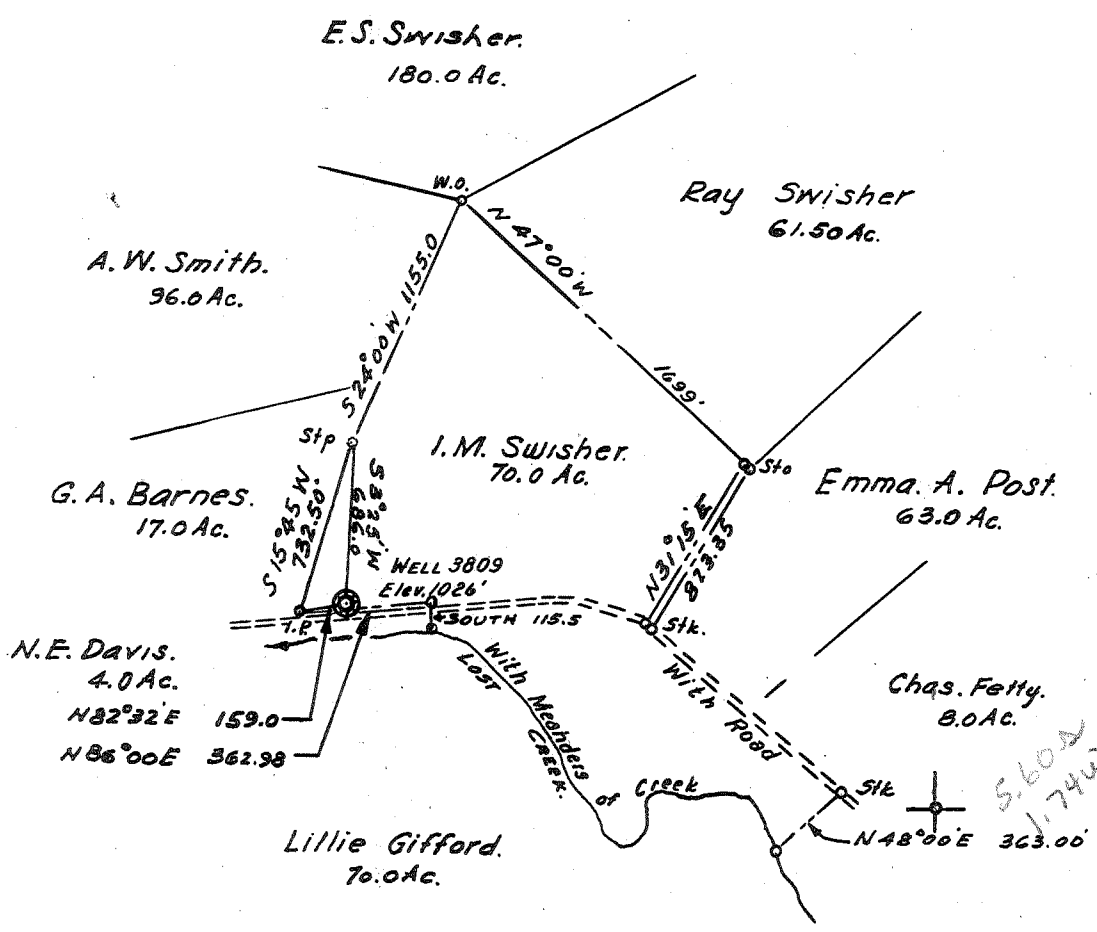


← 9,500' →

Latitude 39° 15' 1"

Longitude 80° 20' 1"  
29,300



M.S. 56 S 20 E 13 F.B. 1305 Pgs. 8-9

Minimum Error of Closure..... 1" IN 200'

Source of Elevation..... 1012.5... B-2736... Plate 10 Abutment of Bridge  
of Last Creek U.S.G.S. P. 9 1933

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

*R.P.E. No 233*  
R.P.E. No 233

- Re-Drill...
- New Location...
- Drill Deeper...
- Abandonment...

Company HOPE NATURAL GAS CO.

Address CLARKSBURG WEST. VA.

Farm I.M. SWISHER.

Tract \_\_\_\_\_ Acres 70.0 Lease No. 66587

Well (Farm) No. \_\_\_\_\_ Serial No. 3809

Elevation (Spirit Level) 1026.0'

Quadrangle WESTON "N.C."

County HARRISON District GRANT

Engineer R.P.E. No 233

Engineer's Registration No. 233

File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_

Date DEC-31-1963 Scale 1" = 50 Poles.

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

**WELL LOCATION MAP**  
FILE NO. HAR-322-R

+ 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.

Form 124  
 Record of H. H. Natural Gas Company  
 Well No. 3809 District 186  
 Located on J. M. Avischer Farm 186  
 District Grant County Harrison State W. Va.  
 Location Made 4-29-15 First Work Done 5-1-15  
 Rig Commenced 5-6-15 Rig Completed 5-11-15  
 Drilling Commenced 5-24-15 Drilling Completed 7-3-15  
 Rig Contractor H. J. [unclear] Drilling Contractor H. J. [unclear]  
 Drillers E. D. Brown If H. N. G. Co. Tests String No. 56  
 Tool Dressers J. H. [unclear]

FORMATION	TOP	BOTTOM	Steel Line Measurements	Water Found Depth	Oil Found Depth	Gas Found Depth	REMARKS
Native Coal	None						
Pittsburg Coal	None						
Little Dunkard	370	300					
Big Dunkard	320	370					
Gas Sand	568	640					
First Salt	652	730					
Second Salt	750	940					
Taxon	1060	1100					
Little Lime	1220	1240					
Concil Cave	1240	1255					
Big Lime	1255	1342		1316			
Big Injun	1342	1444					
Quaw	1450	1552					
Area	Shells						
Antz	1706						
Fifty Foot							
Thirty Foot							
Ordon Stray							
Ordon							
Fourth							
Fifth							
Dayard							
Total Depth	1732	1732					

W. VA. DEPT. OF MINES  
 RECEIVED  
 AUG. 10 1915  
 LOCATION BOOK  
 CONTRACTOR'S PLAT

JUL 31 1915 H.S.  
 1726 3 3/4 Meter [unclear]

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
	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	
13" Csg.	None		None		None		None		None		None		
10" "	223	10	200	0	200	0	None		199	9	24	1	
8 1/2" "	940	0	940	0	None		940	0	None		None		
6 5/8" "	1526	2	1373	1	None		1373	1	None		153	1	
3-16" "	None		None		None		None		None		None		
4 Tbg.	1936	0	1748	0	None		1748	0	None		188	0	
2 "	1886	11	None		None		None		None		1886	11	

PACKER RECORD

SIZE	KIND	Amount Anchor	Amount Above Anchor	REMARKS
13" Csg.	B.H.	None	140	
6 5/8" "	Casing Above	3072	13731	
4 Tbg.	Anchor		14453	

JAN 1984  
 RECEIVED  
 Date of Mined

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

DATE	Quartz	Top of Shell	Bottom of Shell	Diameter	Sand	Test Before Shot			Test After Shot			Test Taken After Shot By Whom Shot
						Reading	Liquid	Opening	Reading	Liquid	Opening	

CEMENTING RECORD

Date Cemented Not Cemented Size Hole Cemented            Size Casing Cemented             
 Top Pittsburg Coal            Top Cementing            Amount Cement Used             
 Bottom Pittsburg Coal            Bottom Cementing            Amount Sand Used             
 Mr.            of            Coal Company on ground when coal was cemented  
 Remarks:            Signature of persons who cemented well

Approved by [Signature] Foreman

# Hope Natural Gas Company

## WELL RECORD

Well No. 3809

Lost Creek Constr. District

Farm Name I. M. Swisher

HHR-322-R

N 20 S 13 W

Date First Work Done 5-27-64

Nature of Work Moving in rotary rig.

Commenced:  
Cleaning Out 5-28-64

Completed:  
Cleaning Out 7-9-64

Drilling Deeper \_\_\_\_\_

Drilling Deeper \_\_\_\_\_

Abandoning \_\_\_\_\_

Abandoning \_\_\_\_\_

### CASING AND TUBING RECORD

Size	Below Repairs		Pulled		Put in Well		After Repairs		Weight
	Tally	Steel Line	Tally	Steel Line	Tally	Steel Line	Tally	Steel Line	
10-3/4"					98	97	98	97	82.75#
5-1/2"					1656	1645	1656	1645	17.00#

### RECORD OF TREATING FORMATIONS

Date	Sand	DEPTH		TEST BEFORE			TEST AFTER			
		From	To	Read.	Liq.	Opn.	Read.	Liq.	Opn.	Hrs.

SHOT)	Quarts	Shooting Agent	Open or Tamped	SHOT BY
<u>Not shot</u>				

See Reverse Side for Gamma Ray

ACIDIZED)	Gallons	Acid Used	ACIDIZED BY
<u>Not acidized</u>			

HYDRAFRAC)	Bbls.	Lbs.	Agent	Max. Press.	HYDRAFRAC B			
<u>Not frac</u>	Breakdown	X						
	Treating	X						
	Flushing	X						
	Breakdown	X						
	Treating	X						
	Flushing	X						

### RECORD OF ANY DEEPER DRILLING

### PACKER RECORD

Formation	Top	Bottom	Oil at	Gas at	Size	Kind	Set at (Steel Line)
Commenced drilling at Depth of					10-3/4"	Steel Shoe	97'
re-drilled from surf. to 2123					5-1/2"	Steel Shoe	1645'
plugged back to	1696				PACKER PULLED		
					Size	Kind	
Total Depth	1696				OIL PRODUCTION		
					Estimated	bbl. per day	Sand

### VOLUME AND PRESSURE REPORT

#### BEFORE CLEANING OUT (Take Test When Ready to Clean Out)

Date of Test	Flow Meter or Open Flow				CUBIC FEET	Sands Gas From	Time Blown
		Reading	Liquid Used	Opening			

#### AFTER CLEANING OUT

Date of Test	Flow Meter or Open Flow				CUBIC FEET	Sands Gas From	Time Blown
		Reading	Liquid Used	Opening			

#### AFTER ~~DRILLING~~ REDRILLING

Date of Test	Flow Meter or Open Flow				CUBIC FEET	Sands Gas From	Time Blown
		Reading	Liquid Used	Opening			
7-9-64			No test		Show only	Gantz	

### PRESSURE TEST

### ROCK

Date of Test	Opening	1 Min.	2 Min.	3 Min.	4 Min.	5 Min.	10 Min.	30 Min.	60 Min.	Hrs.	Lbs.	Days	Lbs.
		7-9-64	5 1/2" Casing						No Minute Test			15	15
	" Tubing												

ON OTHER SIDE OF THIS FORM, MAKE DETAILED REPORT OF WORK DONE, TOGETHER WITH NAMES OF DRILLERS, TOOL DRESSERS, C. O. CREW, ETC.

*M. L. Davis*  
DISTRICT SUPERINTENDENT

WELL 3309

Moved in rotary and drilled 15" hole to 100'. Ran 98' of 10" casing and cemented to surface with 70 bags.. C. O. to 2118 Ran Gamma Ray, CCL and Caliper logs. Gantz sand 1666-1688'. Abandoned lower hole from 2123 to 1706' with 50 bags cement. Set Baker Bridge plug at 1662' with 1 sack of cal seal on top of plug. Ran 1646' of 5 1/2" casing and cemented to surface with 520 bags cement. On 6-4-64 moved out rotary. On 6-22-64 moved in spudder and C.O. to 1721'. Ran cal seal to 1703 and hydro-mite to 1697. Bailed off and tested. Not enough gas to test. Make 1 1/2 gal water in 1 hour. Rock 15# in 15 hours. No free consumer. Shut in on 5 1/2" casing.

Re-drilled by Pace Bower Construction Co. rotary rig.

Drillers: Sid Roles  
Alvin Workman  
Marvin Wilson

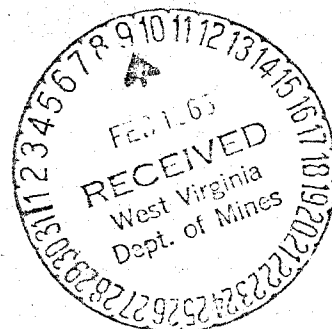
Tool Dressers: Dallie Lambert  
Roger Powell  
Kenneth Efaw

Report Made By:  
Fred M. Cottrill, Jr.  
7-17-64

Tool Pusher: George Cobb

From Gamma Ray Log - #3809

Gas Sand	444- 508
1st Salt Sand	525- 648
2nd Salt Sand	663- 735
3rd Salt Sand	805-949
Maxton Sand	1039-1090
Little Lime	1220-1243
Big Lime	1261-1320
Big Injun	1320-1440
Gantz Sand	1657-1687
Gantz "A" Sand	1704-1730
Total Depth	1696



RECD. BY LAND DEPT. 7-20-64