

- NEW LOCATION.....
- DRILL DEEPER.....
- ABANDONMENT.....

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all of the information required by Paragraph 5 of the rules and regulations of the Oil and Gas Section of the Mining Laws of West Virginia."

*Edward C. Caswell*  
 EDWARD C. CASWELL  
 Texas Reg. No. 5998

COMPANY PHILLIPS PETROLEUM COMPANY  
 ADDRESS BARTLESVILLE, OKLAHOMA  
 FARM MARQUETTE CEMENT CO., ETAL  
 TRACT A ACRES 600.5 LEASE NO. 110373  
 WELL (FARM) NO. ONE SERIAL NO. (HNG 10912)  
 ELEVATION (SPIRIT LEVEL) 2113.3'  
 QUADRANGLE MORGANTOWN - SC  
 COUNTY MONONGALIA DISTRICT MORGAN  
 ENGINEER Edward C. Caswell  
 ENGINEER'S REGISTRATION NO. 5998 - TEXAS  
 FILE NO. \_\_\_\_\_ DRAWING NO. \_\_\_\_\_  
 DATE JAN. 30, 1967 SCALE 1" = 1000'

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

WELL LOCATION MAP  
 FILE NO. MOU-306

+ 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.

*Deep well*

Form OG-10



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle Morgantown

WELL RECORD

Permit No. MON-306

Oil or Gas Well Gas  
(KIND)

Company Phillips Petroleum  
Address Bartlesville, Oklahoma  
Farm Marquette "A" Acres 600.5  
Location (waters) \*See below  
Well No. 1 Elev. 2113.3'  
District Morgan County Monongalia  
The surface of tract is owned in fee by \*\*See below  
Address \_\_\_\_\_  
Mineral rights are owned by Same as surface tract.  
Address \_\_\_\_\_  
Drilling commenced February 27, 1967  
Drilling completed March 21, 1967  
Date Shot None From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16.	Set @:		
13 13 3/8"	48'	32'	(120 Sax) by Halli.
10 9 5/8"	1012.02'	996.48'	(375 Sax) by Halli.
8 1/4 1 1/2"	8088.93'	8088.93'	(200 Sax) by Halli.
6 3/4			Depth set
5 3/16			
4 1/2			
3.			Perf. top <u>**See below</u>
2.			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

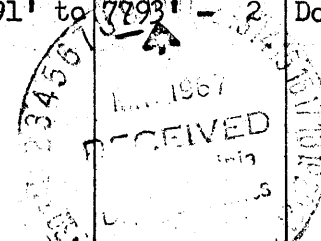
Open Flow /10ths Water in \_\_\_\_\_ Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume 17,969,000/Day Cu. Ft.  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil None bbls., 1st 24 hrs.  
WELL ACIDIZED (DETAILS) See reverse side.

Attach copy of cementing record.  
CASING CEMENTED 4 1/2" SIZE 8088.93' No. Ft. 3/18/67 Date  
Amount of cement used (bags) 200 sax  
Name of Service Co. Halliburton  
COAL WAS ENCOUNTERED AT None FEET \_\_\_\_\_ INCHES  
FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

WELL FRACTURED (DETAILS) 3/21/67 Halli. fracture treated Oriskany & Chert zones thru perf. in 4 1/2" csg w/ 57,000 gal. of 3% gelled acid & allied additives & 56,000# of 20-40 sand & 20 perf balls - avg inj. press. 4,000# - max. press. 4,800#.  
RESULT AFTER TREATMENT (Initial open Flow or bbls.) Four-point pot'l test, 17,969,000 cu. ft. gas/day.  
ROCK PRESSURE AFTER TREATMENT 2765# HOURS Instant  
Fresh Water Hit fresh water @ 80' & @ 200'. Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Onondaga Chert & Oriskany Sand. Depth 8100' - Plugged back to 8055.32'

Amount of cement used (bags) 200 sax  
Name of Service Co. Halliburton  
COAL WAS ENCOUNTERED AT None FEET \_\_\_\_\_ INCHES  
FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface Soil & Sand Stone			0'	48'	***PERFORATION RECORD:		
Sand			48'	65'	ORISKANY SAND:		
Sand & Shale			65'	587'	7849' to 7851'	- 2	.53" Dia. holes
Red Rock & Sandy Shale			587'	960'	7856' to 7859'	- 3	Do
Sandy Shale			960'	2090'	7878' to 7880'	- 2	Do
Shale			2090'	2945'			
Sandy Shale			2945'	5244'	ONONDAGA CHERT:		
Shale			5244'	7148'	7635' to 7640'	- 5	.53" Dia. holes
Fullly Lime			7148'	7258'	7644' to 7646'	- 2	Do
Hamilton Shale			7258'	7444'	7651' to 7653'	- 2	Do
Marcellus Shale			7444'	7614'	7656' to 7658'	- 2	Do
Onondaga Lime			7614'	7628'	7666' to 7668'	- 2	Do
Onondaga Chert - Huntersville			7628'	7843'	7680' to 7684'	- 4	Do
Oriskany Sand			7843'	7898'	7696' to 7699'	- 3	Do
Welderberg Lime			7898'	8100'	7702' to 7704'	- 2	Do
			PBTD	8055.32'	7716' to 7718'	- 2	Do
					7728' to 7729'	- 1	Do
					7735' to 7737'	- 2	Do
					7752' to 7754'	- 2	Do
					7760' to 7762'	- 2	Do
					7777' to 7779'	- 2	Do
					7791' to 7793'	- 2	Do
*10,950' EAST OF LONGITUDE 79 DEG. 55 MINUTES AND 10,400' SOUTH OF LATITUDE 39 DEG. 35 MINUTES, MORGAN DISTRICT, MONONGALIA COUNTY, WEST VIRGINIA.							
**Frances H. Kennedy & Cleo Kennedy, her husband; Ruth H. Cornell & Paul L. Cornell, her husband; J. Russell Smith & Josephine S. Smith, his wife; Helen P. Smith, a widow; J. Russell Smith, Agent. 206 Exchange Bldg, Winona, Minnesota.							



Formation	Color	Hard or Soft	Top <sub>6</sub>	Bottom	Oil, Gas or Water	Depth Found	Remarks
Acidizing information:		3/19/67:	Halli. R/U pmp trk - pmp	d 5 Bbls of	acid into	7849' to 7880' w/	
			Oriskany Formation thru	csg perf. f/	- forma. broke back		
			5 Bbls of fresh water -	4200# press.			
			to 3600#.				

Date: May 5, 1967

APPROVED Phillips Petroleum Company, Owner

By E. S. Miles (Title) Dist. Prod. Supt.