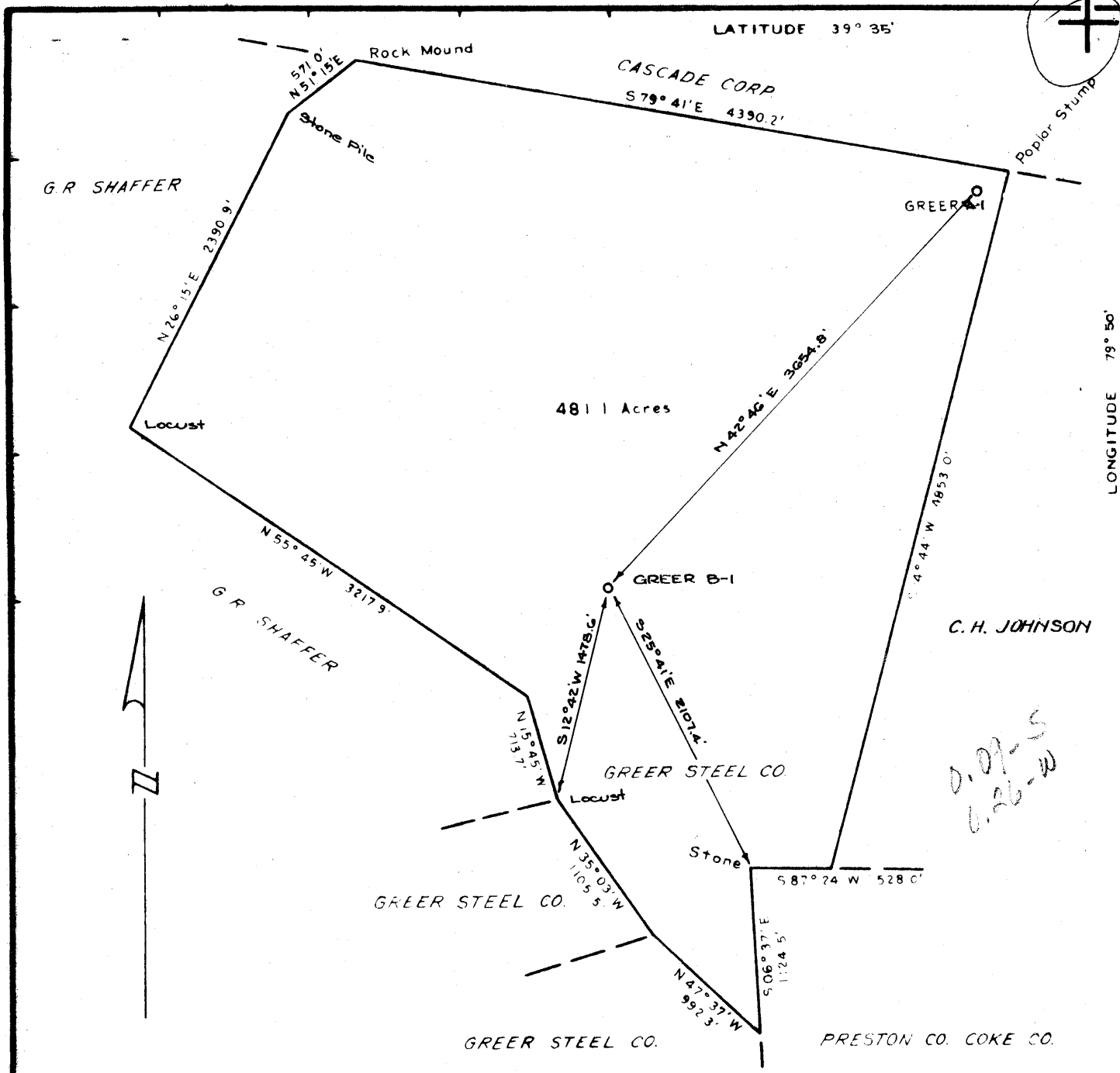


10/12/68



"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."

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

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

COMPANY PHILLIPS PETROLEUM COMPANY  
 ADDRESS BARTLESVILLE, OKLAHOMA  
 FARM GREER STEEL COMPANY  
 TRACT 3 ACRES 481.1 LEASE NO. C-70087  
 WELL FARM NO. B-1 SERIAL NO. \_\_\_\_\_  
 ELEVATION (SPIRIT LEVEL) 1597.0'  
 QUADRANGLE MORGANTOWN 5C  
 COUNTY MONONGALIA DISTRICT MORGAN  
 ENGINEER Edward C. Caswell  
 ENGINEER'S REGISTRATION NO. 5998 - TEXAS  
 FILE NO. \_\_\_\_\_ DRAWING NO. \_\_\_\_\_  
 DATE SEPT. 27, 1968 SCALE 1" = 1000'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON.  
 WELL LOCATION MAP  
 FILE NO. Mon-319

+ 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 (Helderberg) (Oriskany) 6-6 South Burns Chapel OCT 28 1968

Orig - State  
 1 - Consolidated  
 1 - B'ville  
 1 - Okla. City  
 1 - File



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

Rotary   
 Spudder   
 Cable Tools   
 Storage

Quadrangle Morgantown

Permit No. MON-319

**WELL RECORD**

Oil or Gas Well Gas  
 (KIND)

Company Phillips Petroleum Company  
 Address Bartlesville, Oklahoma  
 Farm Greer "B" Acres 481.1  
 Location (waters) 350' S of Lat 39°35' and 1230' W of Long 79°50'  
 Well No. 1 Elev. 1597'  
 District Morgan County Monongalia  
 The surface of tract is owned in fee by Greer Steel Company  
 Address Morgantown, W. Va.  
 Mineral rights are owned by Same  
 Address \_\_\_\_\_

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size	Set at:		
16 20" OD	29'	0	Kind of Packer
13-3/8" OD	48'	29'	(50 sx by Hallib)
10 8-5/8" OD	997'	981'	Size of (400 sx by Hallib)
6 5/8" OD			Depth set
5 3/16" OD		(LT)	
4 1/2" OD	7735'	7748'	Perf. top <u>7291'</u>
3"			Perf. bottom <u>7546'</u>
2"			Perf. top
Liners Used			Perf. bottom

Drilling commenced 11-5-68  
 Drilling completed 11-26-68  
 Date Shot From \_\_\_\_\_ To \_\_\_\_\_  
 With \_\_\_\_\_  
 Open Flow /10ths Water in \_\_\_\_\_ Inch  
 /10ths Merc. in \_\_\_\_\_ Inch  
 Volume See reverse side Cu. Ft.  
 Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
 Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
 WELL ACIDIZED (DETAILS) See Reverse Side  
 WELL FRACTURED (DETAILS) See reverse side

Attach copy of cementing record.  
 CASING CEMENTED 4 1/2" SIZE 7748 No. Ft. 11-27-68 Date  
 Amount of cement used (bags) 225 w/20% Diacel D - Hallib  
 Name of Service Co. Halliburton  
 COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) See reverse side  
 ROCK PRESSURE AFTER TREATMENT 3502# SICP HOURS 5.163.000 5,163 Hr  
 Fresh Water 30' & 65' Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
 Producing Sand Chert Huntersville Depth 7287' - Upper & 7419' - Lower

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Per Driller's Log:							
Rock & dirt			0	52'	FORMATION TOPS - Per Schlumberger		
Sand			52'	245'	Logs:		
Sand & red rock			245'	355'	✓ Tulley Lime 6857'		
Sand & shale			355'	865'	✓ Onondaga Lime 7270' & 7400'		
Shale			865'	1004'	Huntersville ✓ Onondaga Chert 7287' & 7419'		
Shale & red rock			1004'	1120'	✓ Oriskany Sand 7616'		
Shale, sand, red rock			1120'	1338'	✓ Helderberg Lime 7664'		
Sand & shale			1338'	1630'			
Sandy shale & sand			1630'	2240'			
Sand & shale			2240'	2512'			
Sand & shale & sandy shale			2512'	3340'			
Shale			3340'	4090'			
Sandy shale & shale			4090'	6870'			
Lime			6870'	6920'			
Lime & shale			6920'	7115'			
Shale - <u>Marysville</u>			7115'	7270'			
Lime - <u>Onondaga</u>			7270'	7285'			
Chert - <u>Huntersville</u>			7285'	7340'			
Shale - <u>Marysville</u>			7340'	7395'			
Lime - <u>Onondaga</u>			7395'	7410'			
Chert - <u>Huntersville</u>			7410'	7617'			
Sand & lime			7617'	7710'			
Lime			7710'	7735'			
				7735'			
				7699'			
					Total Depth		
					Plugged Back Total Depth		



Formation	Color	Hard or Soft	Top $\angle$	Bottom	Oil, Gas or Water	Depth Found	Remarks
Perforation, Frac, & Test:							
11-29-68	Schlumberger perf upper & lower Chert 7291'-7546' w/total						of 40 shots.
11-30-68	Halliburton frac'd thru perforation s w/55,000# sand & 56,100 gals 3% gelled acid. ISIP 3600#, 5 min SIP 3350#. Flowed well to pit to clean up.						
12-1-68 thru 12-23-68	Well SI for test. Flowed well at intervals to clean up & remove frac fluid from hole.						
12-24-68	Took 4 point test. Dead weight SICP 3502#, SITP 3346# before test.						
12-25-68 thru 1-17-69	NO test calculations.						
1-18-69	CAOFF 5163 MCFPD.						

Date 1-20-69, 19

APPROVED Phillips Petroleum Company, Owner

By P.T. Stagle Dist. Supt.  
(Title)