



"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.....

W. A. Case
 W. A. CASE
 Okla. Reg. Sur. No. 124

COMPANY PHILLIPS PETROLEUM COMPANY
 ADDRESS BARTLESVILLE, OKLAHOMA
 FARM ROBERT BORN
 TRACT ACRES 146.97 LEASE NO. 107700
 WELL (FARM) NO. B-1 SERIAL NO. _____
 ELEVATION (SPIRIT LEVEL) 1926.0'
 QUADRANGLE MORGANTOWN 5C
 COUNTY PRESTON DISTRICT VALLEY
 ENGINEER W. A. Case
 ENGINEER'S REGISTRATION NO. OKLA. REG. SUR. #124
 FILE NO. _____ DRAWING NO. _____
 DATE AUG. 12, 1969 SCALE 1" = 600'

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

WELL LOCATION MAP
 FILE NO. Pres-139

+ 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



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage C. HOLL

Quadrangle Morgantown

Permit No. Pres-139

WELL RECORD

Oil or Gas Well. Gas
(KIND)

Company Phillips Petroleum Company
Address Bartlesville, Oklahoma 74003
Farm Born "B" Acres 116.97
Location (waters) 23900' S of 39°35' & 2400' W of 79°50' 16
Well No. 1 Elev. 1926'
District Valley County Preston
The surface of tract is owned in fee by Robert E. Born, et ux
Route 1, Box 202 Address Reedsville, W. Va.
Mineral rights are owned by Same Address _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size		Set @: (RKB)	Kind of Packer
13 3/8" OD	(OA) 32'	51'	50sx by Halliburton
10 5/8" OD	(LT) 1006'	1024'	Size of 430 sx by Halliburton
6 5/8"			Depth set
5 3/16"	(LT) 7940'	7945'	225 sx by Halliburton
4 1/2"			Perf. top <u>7654'</u>
3"			Perf. bottom <u>7776'</u>
2"			Perf. top _____
Liners Used			Perf. bottom _____

Drilling commenced 9-25-69
Drilling completed 10-14-69
Date Shot From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) Pmpd plug down w/1000
gals MSA acid & 99 BFW
WELL FRACTURED (DETAILS) See reverse side

Attach copy of cementing record.
CASING CEMENTED 4 1/2" SIZE 7940' No. Ft. 10-16-69 Date
Amount of cement used (bags) 225 SX
Name of Service Co. Halliburton
COAL WAS ENCOUNTERED AT 285-292' FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 4,124 MCF See reverse side 4,124,000
ROCK PRESSURE AFTER TREATMENT 3250 # HOURS 10
Fresh Water 80 Feet _____ Salt Water _____ Feet _____
Producing Sand Huntersville Chert Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
DRILLER'S LOG							
Surface dirt, rock			0	52'	FORMATION TOPS - Per Electric Logs:		
Shale & sand			52'	166'			7235'
Shale & lime			166'	1029'			7634'
Shale & sand			1029'	1080'			7650'
Shale & lime			1080'	6377'			7826'
Shale			6377'	7240'			7902'
Tully Lime			7240'	7290'			
Lime & shale			7290'	7535'			
Shale			7535'	7631'			
Lime			7631'	7661'			
Chert			7661'	7833'			
Sand & lime			7833'	7945'			
Total Depth				7945'			
PBTD				7911'			
			<u>485</u>				
	<u>Helderberg</u>						



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
10-14/15-69							Schlumberger ran Compensated Formation Density Caliper and Induction Logs
10-16-69							Ran 4½" CD csg set @ 7945'. Cmt'd w/225 sx reg bulk cmt w/20% Diacel D.
10-17-69							Schlumberger ran Correlation Log.
10-18-69							Schlumberger perf 4½" csg in Chert 7654-7776' - 29 holes.
10-19-69							Frac'd thru perf. Pmod in 2900 gals 3% jelled acid pad, treated w/55,000# 20/40 sand, 60,500 gals 3% jelled acid, 1800# WG-6, 300# CWL, 25# inhibitor. Displaced w/400 gals 3% jelled acid water @ 4,900# press. MP 5000#. Avg press 4700#. ISIP 3200#, 5 min SIP 2975#, 10 min SIP 2950#. Opened to pit 13 hrs - flowed back frac fluid. 1 Hr SIP after flowing back SICP 1175#, SITP 450#.
10-20-69							10 Hr SICP 3250#, SITP 1400#.
10-21-69 thru							
11-7-69							Blew well periodically to clean up.
11-8-69							Took 4-Point Test to test well.
11-9-69 thru							
11-14-69							Mailed test & waiting on computation.
11-14-69							Well test - CAOPR 4,124 MCFD.

Date 11-14, 1969

APPROVED Phillips Petroleum Company, Owner

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