



"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."

Robert Sheets

New Location
 Drill Deeper
 Abandonment

8 SC (E-12-)

Company Phillips Petroleum
 Address Bartlesville, Okla.
 Farm H. Smith
 Tract _____ Acres 648 Lease No. G-110900
 Well (Farm) No. Smith Q-2 Serial No. _____
 Elevation (Spirit Level) 2164.65
 Quadrangle Morgantown - SC
 County Monongalia, District Clinton
 Engineer Robert Sheets
 Engineer's Registration No. 4218
 File No. _____ Drawing No. _____
 Date 1-2-66 Scale 1" = 1000'

STATE OF WEST VIRGINIA
 Department of Mines
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 File No. MON-289

+ Denotes location of well on United States Topographic Map, 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 CG-10



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle Morgantown

Permit No. MON-289

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Phillips Petroleum Company
Address Bartlesville, Oklahoma
Farm Smith "Q" Acres 648
Location (waters) _____
Well No. Two Elev. 2164.65'
District Clinton County Monongalia
The surface of tract is owned in fee by J. Russell Smith
206 Exchange Bldg Address Winona, Minnesota
Mineral rights are owned by J. Russell Smith is agent
for all royalty own^{ers} Address As above
Drilling commenced March 15, 1966
Drilling completed April 9, 1966
Date Shot None From _____ To _____
With None

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16.			
13 3/8" OD	42.30'	42.30'	80 sax
10 9/8" OD	991.05'	991.05'	Size of 340 Sax
8 3/4			Depth set
6 3/8			
5 3/16			
4 1/2 1/2" OD	7921.48'	7921.48'	175 sax
3.			Perf. top. <u>**See below</u>
2. <u>*Set @ 59.50'</u>			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 0 Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil None bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) ***See below.
WELL FRACTURED (DETAILS) See acidizing report below.

Attach copy of cementing record.
CASING CEMENTED 4 1/2" SIZE 7921 No. Ft. 4/5/66 Date
Amount of cement used (bags) 175 sax
Name of Service Co. Halliburton
COAL WAS ENCOUNTERED AT 285' FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 8,700,000 Cu. Ft. gas
ROCK PRESSURE AFTER TREATMENT S.I.G.P. 3500# HOURS 20
Fresh Water 110' & 710' Feet Salt Water _____ Feet
Producing Sand Onondaga Chert & Oriskany Sand Depth Dr'd to 8000' P.B. to 7885'

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Tully Limestone			7137'	7540'			
Onondaga Limestone			7540'	7554'			
Onondaga Chert			7554'	7745'			
Oriskany Sandstone			7745'	7808'			
Helderberg Limestone			7808'	Not penetrated.			
Total Depth			8000'				
**PERFORATIONS:	4/7/66	7784' - 7780' w/ 8	53" Dia. holes				
		7756' - 7749' w/ 14	Do				
		7688' - 7674' w/ 14	Do				
		7659' - 7652' w/ 7	Do				
		7628' - 7604' w/ 24	Do				
		7586' - 7572' w/ 14	Do				
		7569' - 7558' w/ 11	Do				
**ACIDIZING:	4/8/66	Howco treated perforations in 4 1/2" csg as follows: Broke formation down @ 3600# & 39 BPM. Fracture treated well w/ 64,500 gal 3% gelled acid & 55,000# 20-40 Sand. Treated @ average 45 BPM @ 4000#. Max. press. 4150#. Min. press. 3400#. Treated in 4 stages of 21,000 Gal, 14,500 Gal., 14,500 Gal. & 14,500 Gal. w/ 3 batches of 25 ball sealers each. Flushed w/ 121 bbls gelled water @ 40 BPM & 4200#. Instant SIP 2600#. 10-Minute SIP 2400#.					

