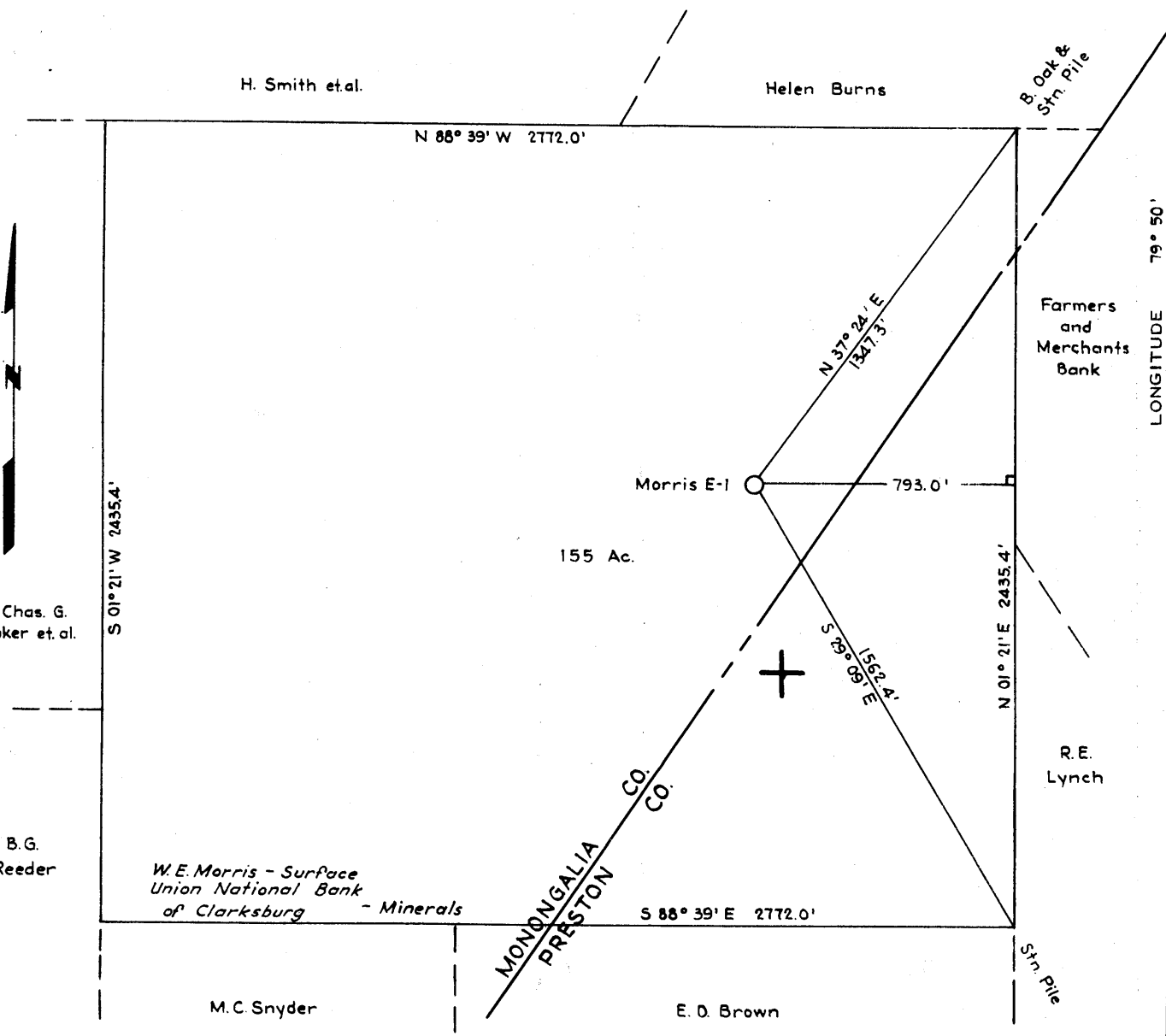


11-15-65

LATITUDE 39° 35'

2 3



4.75-S  
~~4.825~~  
 2.40 W.  
~~2.34 W.~~

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

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

ACCURACY ONE PART IN 200. 8 SC (E-125)

COMPANY PHILLIPS PETROLEUM COMPANY  
 ADDRESS BARTLESVILLE, OKLAHOMA  
 FARM W.E. MORRIS - SURFACE UNION NATIONAL BANK OF CLARKSBURG - MIN.  
 TRACT \_\_\_\_\_ ACRES 155 LEASE NO. 109452  
 WELL (FARM) NO. MORRIS E-1 SERIAL NO. \_\_\_\_\_  
 ELEVATION (SPIRIT LEVEL) 2092.5'  
 QUADRANGLE MORGANTOWN  
 COUNTY MONONGALIA - SC DISTRICT CLINTON  
 ENGINEER Lewis J. [Signature]  
 ENGINEER'S REGISTRATION NO. 2724 OKLAHOMA  
 FILE NO. \_\_\_\_\_ DRAWING NO. \_\_\_\_\_  
 DATE NOV. 8, 1965 SCALE 1" = 500'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES

OIL AND GAS DIVISION  
 CHARLESTON

WELL LOCATION MAP  
 FILE NO. MON-287

+ 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.

Samples - None 6-6 3000 Deep Well



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle Morgantown  
Permit No. MON-287

**WELL RECORD**

Oil or Gas Well Gas  
(KIND)

Company Phillips Petroleum Company  
Address Bartlesville, Oklahoma  
Farm Morris "E" Acres 155  
Location (waters) -  
Well No. One Elev. 2092.5'  
District Clinton County Monongalia  
The surface of tract is owned in fee by W. E. Morris  
Address Clarksburg, W. Va.  
Mineral rights are owned by Union Nat'l Bank of Clarksburg as Trustee Address Clarksburg, W. Va.  
Drilling commenced December 3, 1965  
Drilling completed January 25, 1966  
Date Shot None From - To -  
With None  
Open Flow /10ths Water in - Inch  
/10ths Merc. in - Inch  
Volume 500,000 Cu. Ft.  
Rock Pressure - lbs. - hrs.  
Oil None bbls., 1st 24 hrs.  
WELL ACIDIZED (DETAILS) \*\*See below  
WELL FRACTURED (DETAILS) Sand fraced with acidizing jobs.  
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 4,200,000 Cu. Ft. gas  
ROCK PRESSURE AFTER TREATMENT S.I.T.P. 3400# HOURS 264  
Fresh Water Zero Feet - Salt Water Zero Feet -  
Producing Sand Onondaga Chert Depth Dr'l'd to 8200' P.B. to 8088.67'

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 3/8"	108'	108'	135 sax
10 9 5/8"	1013.45'	1013.45'	475 sax
8 1/4			Size of
6 5/8			Depth set
5 3/16			
4 1/2	8121.36'	8121.36'	150 sax
3			Perf. top *See below
2			Perf. bottom
Liners Used	None		Perf. top
			Perf. bottom

Attach copy of cementing record.  
CASING CEMENTED 4 1/2" SIZE 8121' No. Ft. 1/9/66 Date  
Amount of cement used (bags) 150 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
<del>Harrell</del> Shale			7106'	7134'			
Tully Lime			7134'	7210'			
Hamilton Shale			7210'	7484'			
Marcellus Shale			7484'	7630'			
Onondaga Lime			7630'	7646'			
Onondaga Chert ( <u>Bartlesville</u> )			7646'	7830'	Gas		
Oriskany Sand			7830'	7864'			
Reverse Fault - repeated Onondaga Chert			7864'	8006'			
Oriskany Sand - repeated			8006'	8108'			
Helderberg Lime			8108	Not penetrated			

\*PERFORATIONS: 1/10/66 7884' - 7962' - w/ 42 holes  
1/16/66 7770' - 7888' - w/ 28 holes  
1/20/66 7704' - 7728' - w/ 24 holes  
1/21/66 Mont 7654' - 7678' - w/ 24 holes

\*\*ACIDIZING:  
1/11/66 Dowell spotted 1000 gal. reg. 15% acid @ 7970'  
1/12/66 Dowell spotted 50,000 gal. 3% gel acid - lower perforations.  
1/14/66 Spotted 1000 gal. reg. 15% acid @ 7788'  
1/18/66 Acidized perforations 7770' - 7788' w/ 50,000 gal. 3% gel acid.  
1/20-21/66 McCullough spotted 1500 gal. reg. 15% acid @ 7736'  
1/22/66 Acidized perforations 7654' - 7678' w/ 60,000 gal. 3% gel acid.

