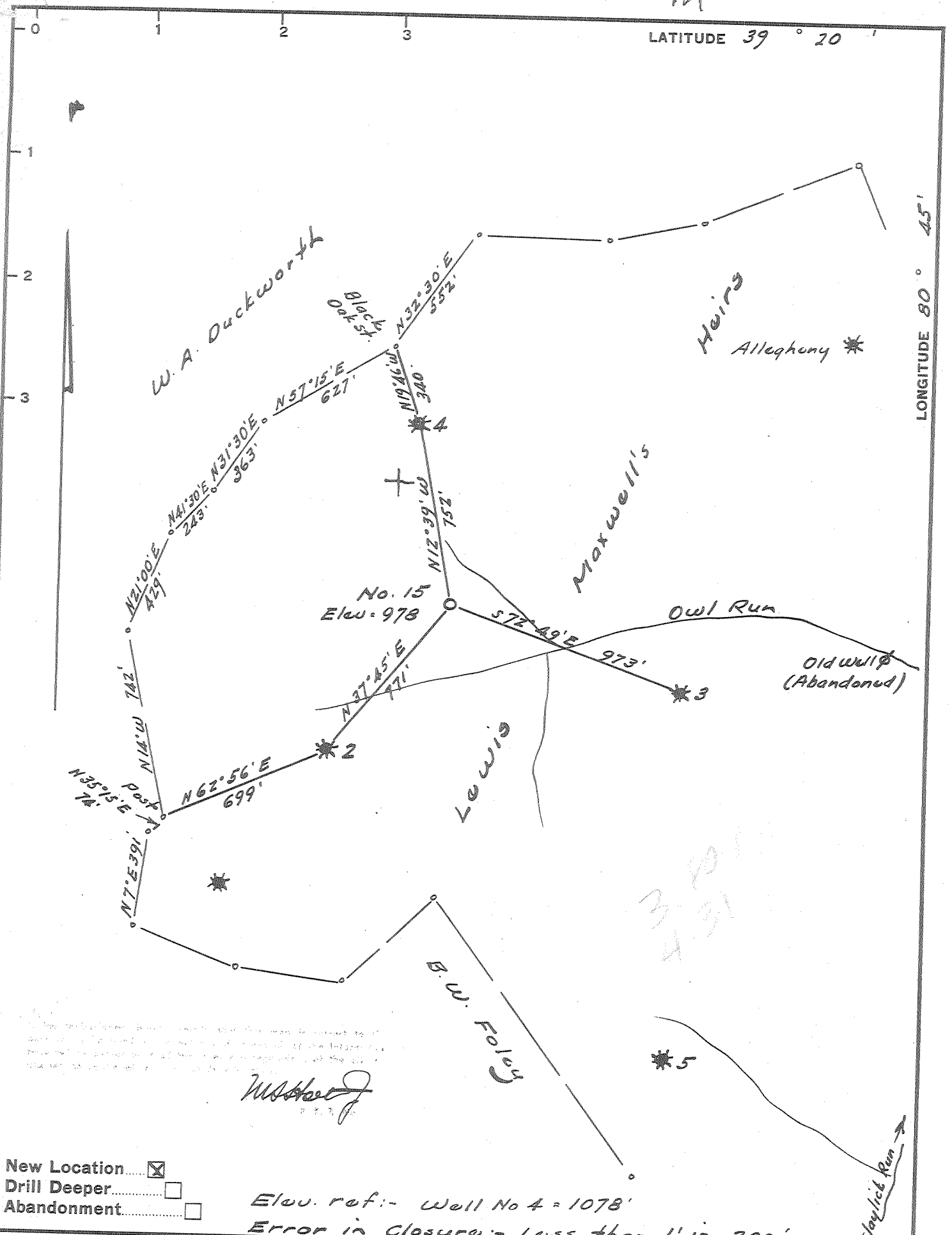


LATITUDE 39 ° 20'

LONGITUDE 80 ° 45'



- New Location
- Drill Deeper
- Abandonment

Elev. ref:- Well No 4 = 1078'
 Error in closure:- Less than 1' in 200'

Company Mann Drilling Co.
 Address P.O. Box 86, Clarksburg, W. Va.
 Farm Lewis Maxwells Heirs
 Tract _____ Acres 904 Lease No. _____
 Well (Farm) No. 15 Serial No. _____
 Elevation (Spirit Level) 978
 Quadrangle West Union -SE
 County Doddridge District Central
 Engineer W. A. Duckworth
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Aug 31, 1965 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. 000-1300

+ 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.

6-6 8-9



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle WEST UNION

Permit No. DOD 1300

WELL RECORD

Oil or Gas Well Oil
(KIND)

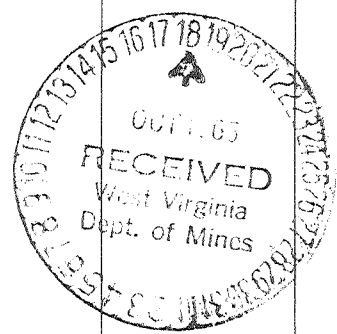
Company <u>MANN DRILLING COMPANY</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>Box 86, CLARKSBURG, W. VA.</u>	Size			
Farm <u>LEWIS MAXWELL HEIRS</u> Acres <u>904</u>	16			Kind of Packer
Location (waters) <u>ARNOLDS CREEK</u>	13			
Well No. <u>15</u> Elev. <u>978'</u>	10			Size of
District <u>CENTRAL</u> County <u>DODDRIDGE</u>	8 1/4			Depth set
The surface of tract is owned in fee by <u>MAXWELL HEIRS</u>	5 3/16			
Address <u>WEST UNION, W. VA</u>	4 1/2		<u>2117'</u>	
Mineral rights are owned by <u>MAXWELL HEIRS</u>	3			Perf. top <u>2058'</u>
Address	2			Perf. bottom <u>2068'</u>
Drilling commenced <u>9/17/65</u>	Liners Used			Perf. top
Drilling completed <u>9/24/65</u>				Perf. bottom
Date Shot From To				
With				

Open Flow /10ths Water in _____ Inch
 /10ths Merc. in _____ Inch
 Volume SHOW Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil SHOW bbls., 1st 24 hrs.
 WELL ACIDIZED (DETAILS) _____ FEET _____ INCHES
 _____ FEET _____ INCHES
 _____ FEET _____ INCHES

WELL FRACTURED (DETAILS) FRACTURED 9/28/65

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 14 Bbls. oil
 ROCK PRESSURE AFTER TREATMENT _____ HOURS
 Fresh Water _____ Feet Salt Water _____ Feet
 Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
			0	1400'			DRILLED BY ROTARY
SHALE			1400'	1440'			
2ND SALT SAND			1440'	1466'			
BLACK SHALE			1466'	1520'			
3RD SALT SAND			1520'	1578'			
SANDY SHALE			1578'	1717'			
3RD SALT SAND			1717'	1772'			
SHALE & SAND STREAKS			1772'	1920'			
LITTLE LIME			-1920'	1946'			
PENCIL CAVE			1946'	1960'			
BIG LIME			-1960'	2024'			
BIG INJUN SAND			2024'	2092'			
BLACK SHALE			2092'	2096'			
SAND			2096'	2103'			
BLACK SHALE			2103'	2117'			
			TOTAL DEPTH	2117'			



NOTE: 9/27/65 LOGGED WELL USING SAND SURVEYS INCORPORATED
 RAN GAMMA RAY, NEUTRON AND COLLAR.
 PERFORATED THE WELL AT THE FOLLOWING DEPTHS:
2058' TO 2068' WITH 13 SHOTS