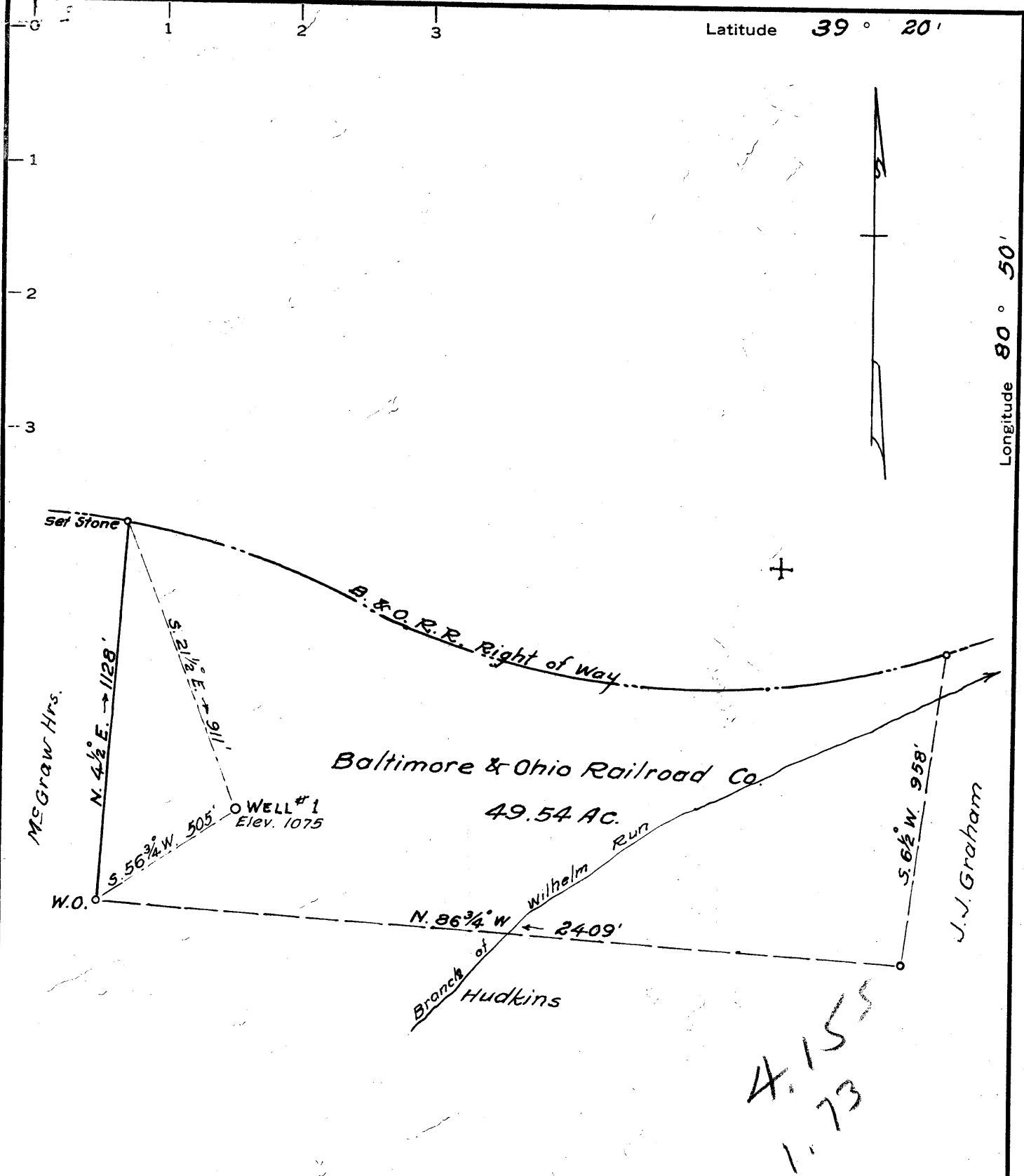


Latitude 39° 20'

Longitude 80° 50'



4.155
1.73

MINIMUM ERROR OF CLOSURE 1 in 500

SOURCE OF ELEVATION Fork of road S. 15° E. 2520' ± from location

New Location of Well #1 ~ Elev. 1154

Drill Deeper

Abandonment

"I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS MAP IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY PARAGRAPH 6 OF THE RULES AND REGULATIONS OF THE OIL AND GAS SECTION OF THE MINING LAWS OF WEST VIRGINIA."

Company T. R. Cummings
 Address P.O. Box 127, St. Marys, W. Va.
 Farm Baltimore & Ohio Railroad Co.
 Tract 1 Acres 49.54 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1075
 Quadrangle West Union SC
 County Doddridge District Central
 Engineer Parker E. Peters
 Engineer's Registration No. 485
 File No. _____ Drawing No. _____
 Date April 2, 1963 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. DOD-959

+ 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.

5-0 19



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 15

Rotary
Spudder
Cable Tools
Storage

Quadrangle West Union
Permit No. DOD-959

WELL RECORD

Oil or Gas Well DRY
(KIND)

Company T. R. Cummings
Address St. Marys, West Virginia
Farm B & O. Railroad Acres 49.54
Location (waters) Branch of Wilhelm Run
Well No. One (1) Elev. 1075'
District Central County Doddridge
The surface of tract is owned in fee by B. & O. Railroad
Address _____
Mineral rights are owned by B & O. Railroad
Address _____
Drilling commenced 4/10/63
Drilling completed 5/24/63
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 _____
WELL FRACTURED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer _____
16			
13			
10	540	540	Size of _____
8 1/4	1215	1215	
6 3/8	2018	2018	Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT _____

ROCK PRESSURE AFTER TREATMENT _____

Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Top soil			0	3			
Red Rock			3	10			
Sand			10	25			
Red Rock			25	55			
Slate			55	65			
Sand			65	90			
Slate			90	95			
Red Rock			95	105			
Slate 105			105	115			
Red Rock			115	135			
Slate			135	157			
Sand			157	170			Water 160-170 4 bailers per hr.
Red Rock			170	200			
Slate & Shells			200	240			
Red Rock			240	250			
Slate			250	285			
Red Rock			285	305			
Sand			305	322			
slate & Shells			322	335			
Lime			335	348			
Slate			348	355			
Sand			355	374			
Slate & Shells			374	388			
Sand			388	410			
Slate & Red Rock			410	490			
Sand			490	514			
Red Rock			514	520			
Slate & Shells			520	592			540' 10" casing
Red Rock			592	603			



Formation	Color	Hard or Soft	Top 15'	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			603	613			
Pink Rock			613	684			
Sand			644	660			
Red Rock			660	665			
Slate & Shells			665	744			
Red Rock			744	754			
Slate & Shells			754	803			
Lime - Pitt.			803	818			
Slate			818	860			
Lime			860	876			
Slate			876	914			
Pink Rock			914	923			
Sand			923	940			
Red Rock & Slate			940	1058			
Sand C. R.			1058	1083			
Slate & Shells			1083	1130			
Red Rock			1130	1160			
Lime			1160	1167			
Red Rock			1167	1175			
Sand			1175	1180			
Slate & Shells			1180	1265			1215' of 8" pipe
Sand			1265	1280			
Slate			1280	1300			
Pink Rock & Slate			1300	1307			
Slate			1307	1320			
Sand			1320	1340			
Slate & Shells			1340	1425			
Sand			1425	1440			
Slate & Shells			1440	1485			
Sand			1485	1505 ^{2x}			
Slate			1505	1598			
Sand			1598	1690			Water 1620 - 30
Slate			1690	1702			
Sand			1702	1740			
Slate			1740	1750			
Sand			1750	1770			
Slate			1770	1778			
Sand			1778	1825			
Slate			1825	1955			
Sand Maxon			1955	2006			Water 1958
Slate			2006	2018			2019' 6-5/8" or 7" OD
Lime			2018	2031			
Slate			2031	2034			
Lime			2034	2044			
Slate			2044	2050			
Big Lime			2050	2137			
Sand			2137	2184			Oil Smell 2145
Slate			2184	2230			
Total Depth				2230'			

Date _____, 19____

APPROVED _____, Owner

By _____ (Title)