

Minimum Error of Closure 1' in 200'

Source of Elevation Mary J. Reilly Well No. 8 El. 1343.99

- Fracture
- New Location
- 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.

Signed: A.C. Hillert

Map No. N58 Squares: N 3 S E W 3

issued 9-23-69

Company PENNZOIL UNITED INC.
 Address Box 1588, Parkersburg, W. Va.
 Farm Mary J. Reilly
 Tract Acres 127 Lease No. 15543
 Well (Farm) No. 10 Serial No.
 Elevation (Spirit Level) 1174.36
 Quadrangle Centerpoint NC
 County Wetzel District Green
 Engineer A.C. Hillert
 Engineer's Registration No. 2534
 File No. 1083 Drawing No.
 Date Oct. 22, 1968 Scale 1" = 800'

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

WELL LOCATION MAP

FILE NO. Wet-583-P

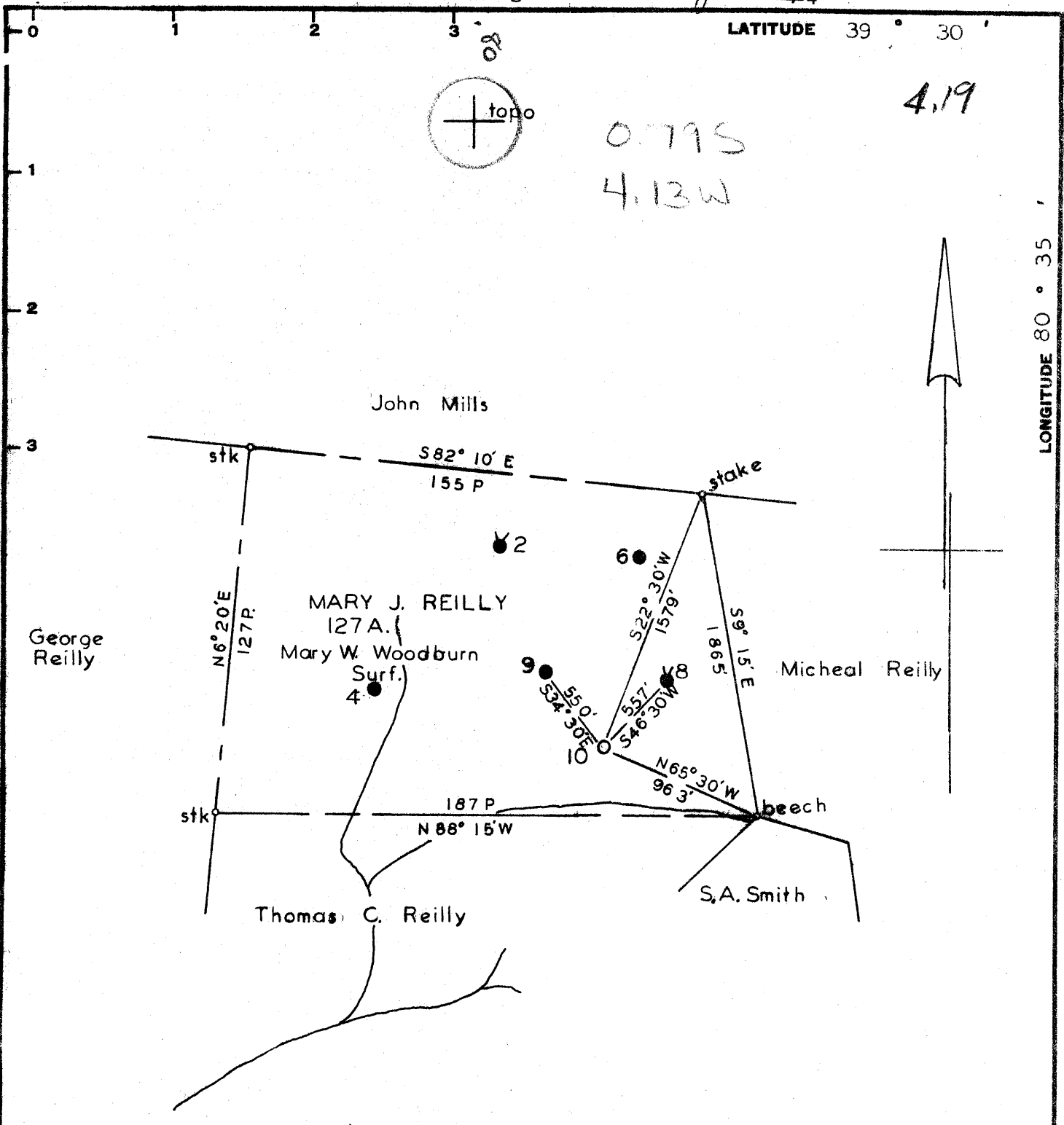
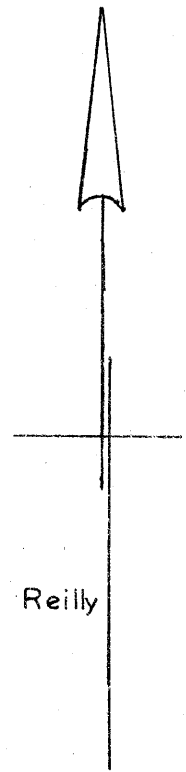
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.



0.795
4.13W

4.19



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION /2

Rotary
Spudder
Cable Tools
Storage

Quadrangle Centerpoint
Permit No. WET-583

WELL RECORD

Oil or Gas Well Oil
(KIND)

Company PENNZOIL UNITED, INC.
Address Box 1588, Parkersburg, W. Va.
Farm Mary J. Reilly Acres 127
Location (waters) _____
Well No. 10 Elev. 1174.36'
District Green County Wetzel
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by Mary W. Woodburn
237 Vincent Street Address Syracuse, New York
Drilling commenced November 4, 1968
Drilling completed November 30, 1968
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 3,000 Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil 1 bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) December 27, 1968
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 1 BOPD -- 48 MCFPD
ROCK PRESSURE AFTER TREATMENT _____ HOURS
Fresh Water _____ Feet
Producing Sand Big Injun Depth _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16	15'		Kind of Packer
13			Size of
10-3/4"	630'		Depth set
8 1/2-5/8"	1467'	Pulled	
6 3/8"			
5 3/16"	2502'		
4 1/2"			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record.
CASING CEMENTED 4 1/2" SIZE 2502' No. Fl. 12/3/68 Date
Amount of cement used (bags) _____
Name of Service Co. _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
Used: 400 gals. 15% MCA - 950 bbls. water
and 30,000# 20/40 sand

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Red Rock			0	20			
Brown Clay			20	35			
Red Rock			35	70			
Slate & Lime			70	142			
Red Rock			142	180			
Slate & Lime			180	207			
Sand			207	225			
Slate & Lime			225	279			
Sand			279	295			
Red Rock			295	300			
Slate & Lime			300	395			
Sand			395	405			
Red Rock			405	415			
Lime			415	430			
Red Rock			430	435			
Slate & Lime			435	491			
Coal			491	497			
Slate & Lime			497	625			
Black Lime			625	667			
Slate & Lime			667	695			
Sand			695	707			
Slate & Lime			707	719			
Black Lime			719	734			
Lime			734	764			
Red Rock & Lime			764	798			
Lime			798	850			
Slate			850	878			
Gritty Lime			878	898			
Slate & Lime			898	953	Cont'd.		

(over)

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Brown Lime			953	970			
Slate			970	986			
Sand			986	1006			
Slate			1006	1067			
Sand			1067	1095			
Slate			1095	1100			
Sand			1100	1135			
Slate			1135	1143			
Red Rock			1143	1160			
Slate & Red Rock			1160	1235			
Slate & lime			1235	1283			
Red Rock & Slate Shells			1283	1310			
Gritty Lime			1310	1330			
Slate			1330	1357			
Little Dunkard			1357	1380			
Slate Shells			1380	1462			
Big Dunkard			1462	1495			
Slate & Lime			1495	1560			
Sand			1560	1606			
Slate & Lime Shells			1606	1613			
Sand			1613	1656			
Black Slate			1656	1706			
Sand			1706	1736			
Black Slate			1736	1765			
Gritty Lime			1765	1802			
Sand			1802	1884			
Slate			1884	1886			
Sand			1886	1945			
Black Slate			1945	1975			
Sand			1975	2020			
Black Slate			2020	2057			
Gritty Lime			2057	2103			
Red Rock			2103	2107			
Gritty Lime			2107	2115			
Red Rock & Slate			2115	2145			
Broken Sand			2145	2157			
Red Rock & Slate			2157	2178			
Little Lime			2178	2194			
Pencil Cave			2194	2212			
BIG LIME			2212	2295			
BIG INJUN			2295	2456			
Slate & Lime			2456	2502			
Total Depth				2502'			
					2212 1174 <u>1038</u>	2210 EL <u>1176</u> 1034	
					Oil	2349-2354	Slight show
					Oil & Gas	2370-2377	2053 cu. ft.
					Oil & Gas	2438-2445	Show Oil and 3,000 cu. ft.

Date September 22, 1969

APPROVED PENNZOIL UNITED, INC., Owner

By A. C. Hilbert
A. C. Hilbert (Title) / Engineer