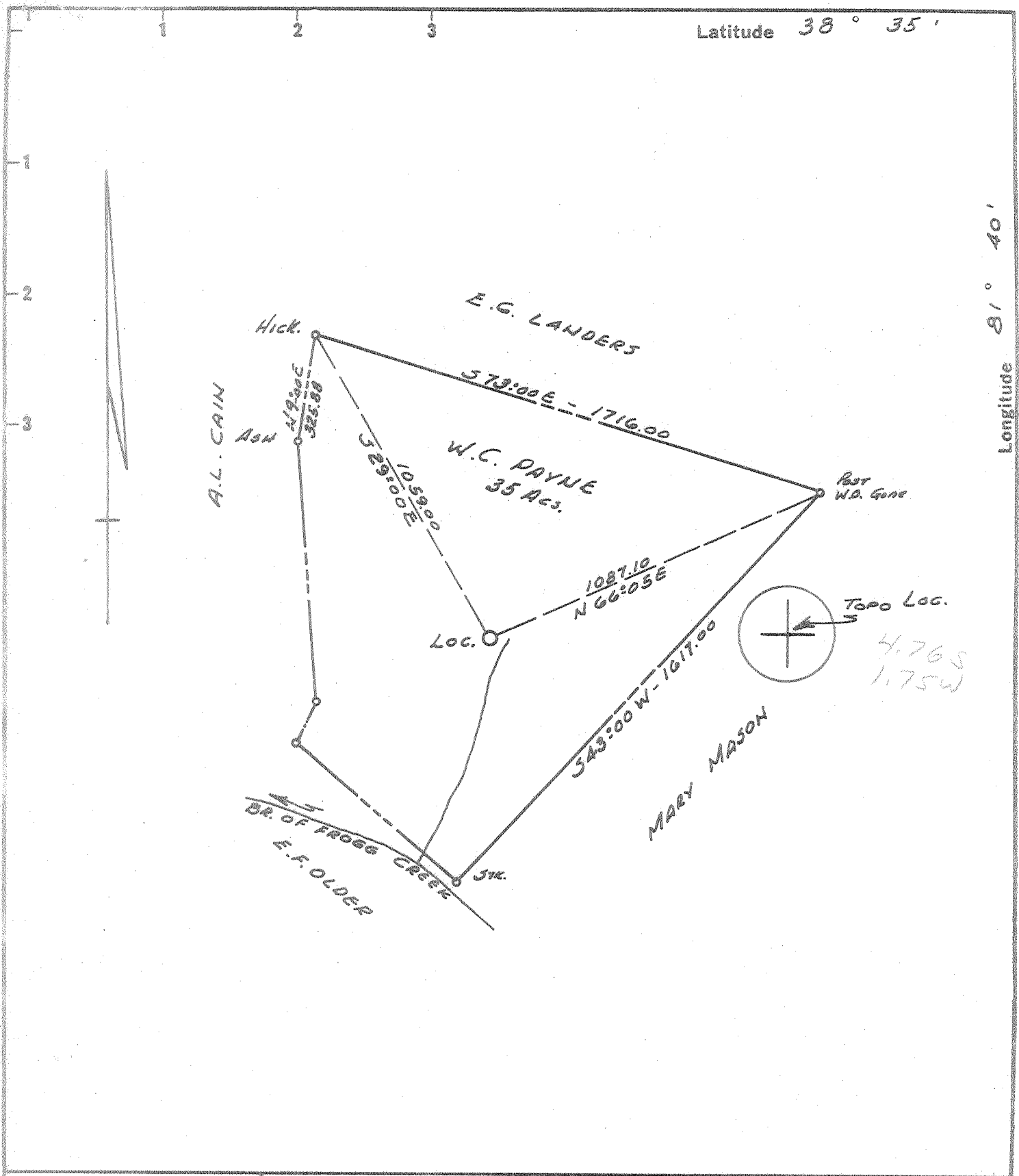


Latitude 38° 35'

Longitude 81° 40'



- Fracture Before 6/5/27
- New Location
- Drill Deeper
- Redrill
- 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 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia.
 The accuracy of this survey is within the limits and as prescribed in paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.
 PROVEN ELEVATION U.S.G.S. BM 612 Mouth Frogg Cr.

Company PATRICK PETROLEUM CO.
744 MICHIGAN AV. - W
 Address JACKSON, MICHIGAN 49201
 Farm W.C. PAYNE
 Tract _____ Acres 35.75 (253 Acs. Unit) Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 721.55
 Quadrangle KENNA SW
 County KANAWHA District POCA
 Engineer V.L. Sifton
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date 7-8-68 Scale 1" = 400'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. KAN-2285

+ 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.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

DEC 3 1971

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle Charleston

WELL RECORD 3

Oil or Gas Well

Gas
(MKB)

Permit No. KAK 2285

Company <u>Patrick Petroleum Company</u>	Casing and 49202111	Used In Drilling	Left In Well	Packers
Address <u>744 W. Mich. Ave., Jackson, Mich. 49202</u>				
Farm <u>W. C. Payne</u> Acres <u>253</u> Unit Size				
Location (waters) <u>Prox Creek</u> 721.55 16				Kind of Packer
Well No. <u>1</u> Elev. <u>738 J.B.</u> 13.3/8 79 79				<u>6 Baker Cents.</u>
District <u>Poca</u> County <u>Kanawha</u> 10				Size of float valve
The surface of tract is owned in fee by <u>W. C. Payne</u> 8 5/8 1923 1900				Depth set <u>5528</u>
Address <u>Sissonville, W.V.</u> 6%				<u>float collar</u>
Mineral rights are owned by <u>Same as above</u> 5 3/16 5 1/2 5528 5528				<u>5497</u>
Address				Perf. top. <u>Psi.</u>
Drilling commenced <u>7/25/68</u> 3				Perf. bottom. <u> nipple</u>
Drilling completed <u>8/8/68</u> 2				<u>5532</u>
Date Shot <u>None</u> From To				Perf. top.
With <u>None</u>				Perf. bottom
Open Flow <u>/10ths Water in</u> Inch				Attach copy of cementing record.
<u>/10ths Merc. in</u> Inch				CASING CEMENTED <u>SIZE</u> No. Ft. Date
Volume <u>Side Static 10Mcf/d</u> Cu. Ft.				Amount of cement used (bags) <u>SEE BACK SIDE</u>
Rock Pressure <u>2080</u> lbs. <u>60</u> hrs.				Name of Service Co. <u>Halliburton</u>
Oil <u>None</u> bbls., 1st 24 hrs.				COAL WAS ENCOUNTERED AT <u>NONE</u> FEET INCHES
WELL ACIDIZED (DETAILS)				FEET INCHES FEET INCHES
WELL FRACTURED (DETAILS) <u>1000 gals. Mud Acid, 26,000 20/40 sand, 1000 Bbls. of gelled water, 1000 lbs. J-II, 600 lbs. J-84, 30 gals. Treflo, 30 gals. P-52 (see back)</u>				FEET INCHES FEET INCHES
RESULT AFTER TREATMENT (Initial open Flow or bbls.) <u>34,500 MCF/d GAOF</u>				
ROCK PRESSURE AFTER TREATMENT <u>1966 DW</u> HOURS <u>34,500</u>				
Fresh Water <u>Noneburg</u> Feet				Salt Water Feet
Producing Sand <u>Noneburg</u> Depth <u>5583-85</u> not drilled through				

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand & Shale		Soft	0	1540			
Shale		"	1540	1570			
Big Lime		Hard	1570	1810			
Injun Sn.		Soft	1810	1840	Water, blowing 1/2" stream on returns.		
Shale & Shs.		"	1840	2245			
Berea		Med.	2245	2260			
Shale & Sand		Soft	2260	4730			
Lime		Hard	4730	4770	Top of Onondaga	4730	
Lime		"	4770	4830			
So		Med	4830	4870	Oriskany	4826-51	No Shows
Lime & Sh. Strickers			4870	5070			
Dolo.		Hard	5070	5130			

Formation	Color	Hard or Soft	Top 3	Bottom	Oil, Gas or Water	Depth Found	Remarks
Line		Hard	5130	5250			Permit no. Km-2286
Dolo.		"	5250	5583			Top of Newburg
Newburg			5533	5585			Not drilled through
Total Depth			5585				
Casing Record/							
13 3/8	Ran 80' cemented to surface w/80 sks., Halliburton						
8 5/8	Ran 1928 set at 1000, cemented to Surface with 500 cu. ft. 50/50 Pos, 100 sks. reg. w/ 2% CaCl.						
5 1/2 N80	Ran 5559 set at 528, w/ Baker float shoe, float collar, 6 Cents., circulated with 250 bbls., Baroid Mud, with loss circ. material, and additives, circulated to surface, cemented with 100 cu. ft., Pozmix, 3/4 of 15 GPr-2, 1/8 lb. floccle per sk., 50 sks. regular cement, with same quantitative additives as above.						
Fracturing record: Continued from front side. Well fraced on 8/26/68 by Dowell, total fracturing fluid injected. 883 Bbls.							
Max. Psi. 4900							
Min. Psi. 4400							
Ave. Injection rate, 19.9 Bbls., per/ minute, Ave. Inj. Psi., 4766, Hyd., HP. used, 2340, Instant S.I. Psi., 4600, 5mins. S.I., 3800, 15 mins. well flowing back.							
LOG: GATEWAY-Ray for CORRELATION:							
LOG TOPS ONONDAGA 4730							
ORISKANY 4826							
NEWBURG 5583							
CAOF and stable point ran on 9/3/4/5/ 68							

APPROVED

Date..... Sent. 17, 19 68

APPROVED..... Patrick Petroleum Co., Owner

By Donald C. Stuebe, Genl. (Title)