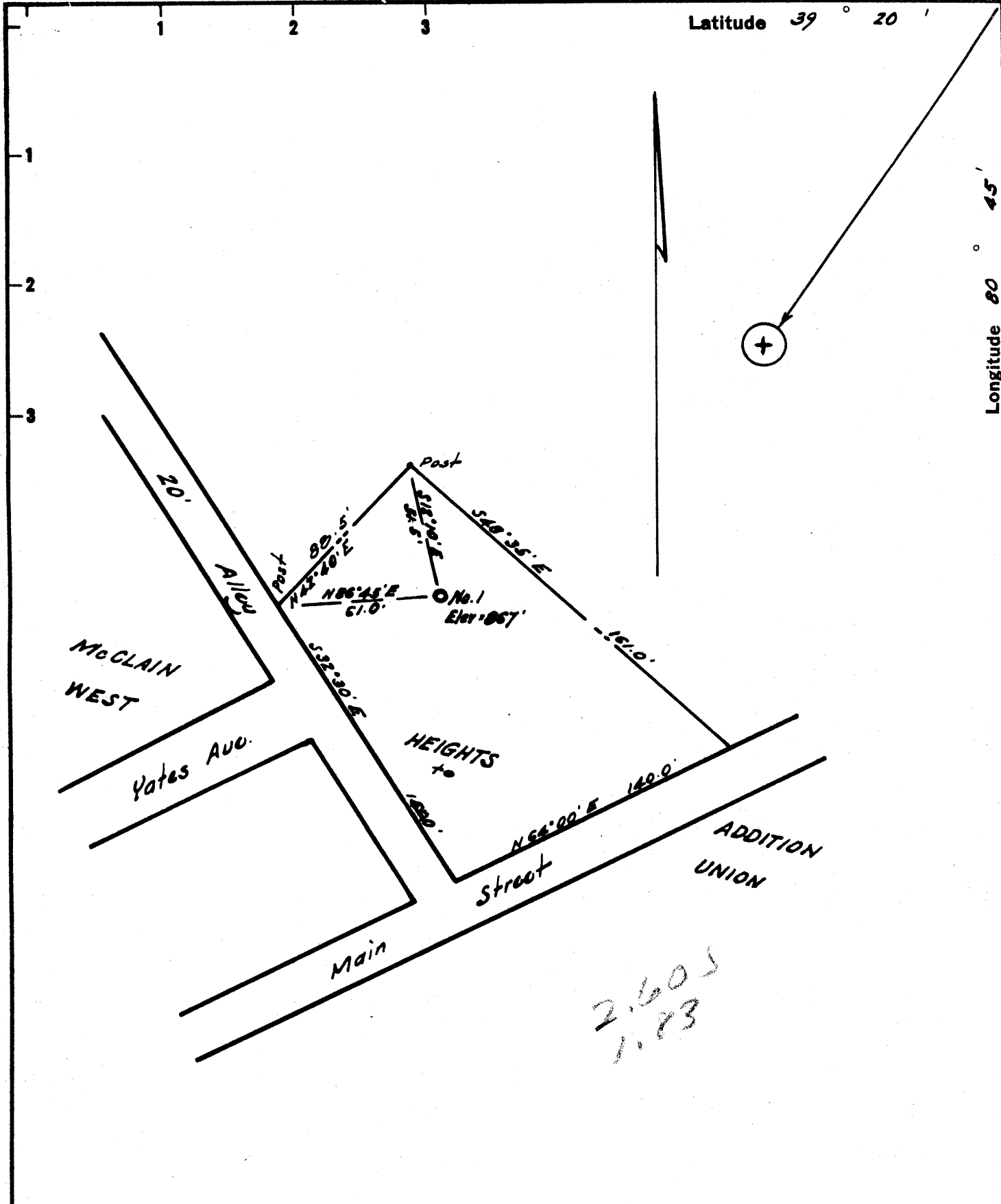


Latitude 39 ° 20 '

Longitude 80 ° 45 '



2.605
1.83

New Location
 Drill Deeper
 Abandonment

No coal in this section of Doddridge County
 Surface is owned by Ella L. Townsend of
 West Union, W. Va.

ISSUED 9-12-68

Company A.A. PURSLEY, dba PURSLEY'S
Box 511, LEROY, WEST VA. 25252
 Address Room 511, Union Trust Bldg., Parkersburg, W. Va.
 Farm Ella L. Townsend
 Tract _____ Acres 1/3 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 867'
 Quadrangle West Union 3E
 County Doddridge District West Union
 Engineer W. H. Stoeber
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date June, 1960 Scale 1" = 60'

PULLING & WELL SERVICE
 STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. DOD - 413-P

+ Denotes location of well on United States
 Topographic Maps, scale 1 to 62,500, lat-
 itude 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 6

Quadrangle WEST UNION

Permit No. DOD-413

WELL RECORD

Oil or Gas Well both
(KIND)

Company Tower Service Company
Address 510 Union Trust Bldg.-Parkersburg, W. Va.
Farm College-Townsend Acres 1
Location (waters) _____
Well No. #1 Elev. 867
District West Union County Doddridge
The surface of tract is owned in fee by Ella Townsend and Alderson-Broadus Col. Address West Union & Phillippi
Mineral rights are owned by Same as above
Address _____
Drilling commenced 6/27/60
Drilling completed 7/22/60
Date Shot _____ From _____ To _____
With _____
Open Flow 2 /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume 50,000 Cu. Ft.
Rock Pressure 125 lbs. 12 hrs.
Oil 1/2 bbl. per hour _____ bbls., 1st 24 hrs.
WELL ACIDIZED 1,000 gal.
WELL FRACTURED 5,000sks. sand-210 bbl. crude oil-1600 gal Kersone.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer <u>none</u>
13	13/6	13/6	-----
10	82		Size of -----
8 3/4	460		
6 3/4	1037		Depth set -----
5 3/16	1929	1929	
3			Perf. top <u>1823</u>
2	1900	1900	Perf. bottom <u>1828</u>
Liners Used			Perf. top <u>1835</u>
			Perf. bottom <u>1840</u>

CASING CEMENTED 5 1/2 SIZE 1929 No. Ft. 7/22/60 Date
Lawson cementing company -30 sacks cement and 4 sacks aquagel
COAL WAS ENCOUNTERED AT ----- FEET ----- INCHES
----- FEET ----- INCHES ----- FEET ----- INCHES
----- FEET ----- INCHES ----- FEET ----- INCHES

RESULT AFTER TREATMENT on vacuum
ROCK PRESSURE AFTER TREATMENT 275 - 24 hours
Fresh Water _____ Feet _____ Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand	brown	soft	0	15			
rock	red		15	80			
slate	grey		80	95			
rock	red		95	165			
slate	grey		165	200			
lime	grey	hard	200	212			
rock	red	soft	212	235			
slate			235	255			
rock	red		255	275			
slate			275	325			
sand			325	330			
slate	grey		330	355			
rock	red		355	390			
lime	grey		390	410			
slate		hard	410	450			
lime			450	475			
rock	red		475	570			
slate	grey		570	610			
rock	red		610	650			
slate&shells	grey		650	700			
rock	red		700	780			
slate&shells	grey		780	810			
rock	red		810	870			
slate&shells		soft	870	835			
slate	black	soft	835	930			
sand	grey		930	960			
slate	white		960	1000			
sand			1000	1120			
slate			1120	1160			
slate&shells	grey		1160	1210			



Formation	Color	Hard or Soft	Top 6	Bottom	Oil, Gas or Water	Depth Found	Remarks	
sand	grey	hard	1210	1230				
slate	black	soft	1230	1235				
sand	grey	hard	1235	1420				
slate		soft	1420	1430				
sand		hard	1430	1445				
slate&shells		soft	1445	1450				
sand		hard	1450	1538				
slate		soft	1538	1630				
lime		hard	1630	1645				
shale		soft	1645	1655				
shale	red		1655	1690				
shale		grey	1690	1705				
lime	black	hard	1705	1720				
slate	grey	soft	1720	1723				
little lime			- 1723	1753				
pencil cave			1753	1755				
big lime			- 1755	1828				
injun sand			1828	1914	oil & gas	1823-28	packed	
shale			1914	1929		1840-75		
			T.D. 1929 finished up 1929 8ft cement in pipe					

Date 8/18, 1960

APPROVED Towers Service Company, Owner

By A. M. Carlson
(Title) Owner