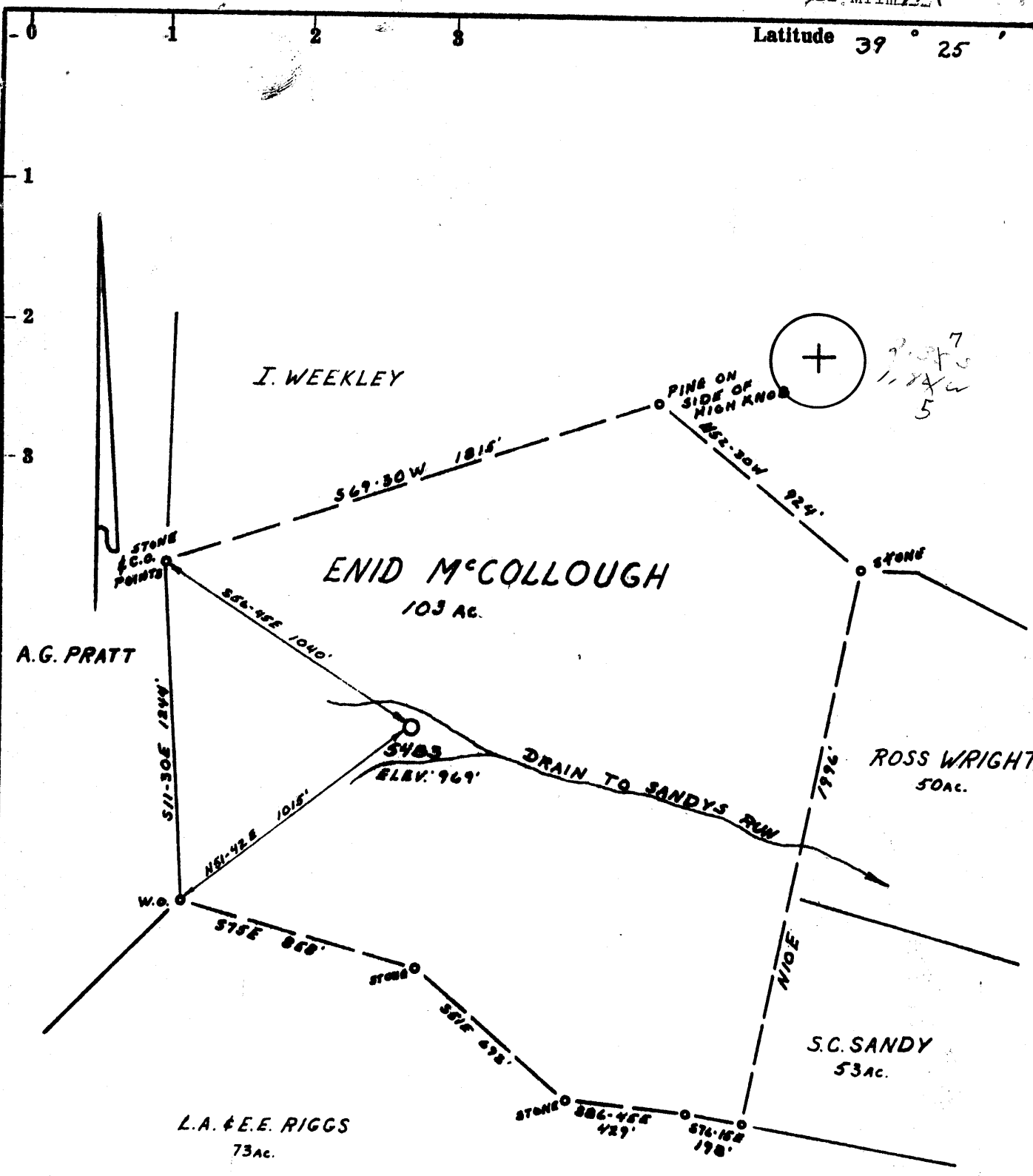


Latitude 39° 25'

Longitude 80° 45'



- Fracture...
- Redrill...
- New Location...
- Drill Deeper...
- Abandonment...

Source of Elevation ROAD FORKS (SANDYS RUN) ELEV. 812' USGS
 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.
 Minimum accuracy, one part in 200

Company EQUITABLE GAS CO. W.VA. DIV.
 Address PITTSBURGH, PA. 15219
 Farm ENID M'COLLOUGH
 Tract _____ Acres 103 Lease No. 26173
 Well (Farm) No. 1 Serial No. 5403
 Elevation (Spirit Level) 969'
 Quadrangle WEST UNION NE 42-4 EC
 County TYLER District M'ELROY
 Engineer R. J. McMillan
 Engineer's Registration No. 105 L.L.S.
 File No. 222/112 Drawing No. _____
 Date 4-2-73 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. TYL-460-RED.

+ 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.



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

Rotary _____ Oil _____
Cable XX Gas _____
Recycling _____ Comb. _____
Water Flood _____ Storage XX _____
Disposal _____ (Kind)

Quadrangle West Union NE 4.3-4

Permit No. TYL-460-Red

39-30
6-24
10

Company	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
<u>Equitable Gas</u>				
<u>Pittsburgh, Pa. 15219</u>				
<u>Enid McCollough</u> Acres <u>103</u>				
<u>Sandy Run of McElroy Creek</u>				
Well No. <u>5483</u> Elev. <u>969</u>	Size <u>20-16</u>			
District <u>McElroy</u> County <u>Tyler</u>	Cond. <u>XX-10"</u>	<u>198</u>	<u>198</u>	Cement to Surf.
The surface of tract is owned in fee by <u>Enid McCollough</u>	<u>9 5/8</u>			
<u>621 - 3rd St., Chester, W. Va.</u>	<u>8 5/8 *</u>	<u>870</u>	<u>870</u>	Cement to Surf.
Mineral rights are owned by <u>Enid McCollough</u>	<u>7 **</u>			
<u>621-3rd St., Chester, W. Va.</u>	<u>5 1/2</u>	<u>1915</u>	<u>1915</u>	270 sks. to 670
Re- Drilling Commenced <u>7-14-73</u>	<u>4 1/2</u>			Gel to Surf
Re- Drilling Completed <u>1-29-74</u>	<u>3</u>			
Initial open flow _____ cu. ft. _____ bbls.	<u>2</u>			
Final production _____ cu. ft. per day _____ bbls.	Liners Used			
Well open _____ hrs. before test _____ RP.				

Well treatment details:

Attach copy of cementing record.

* Old 8-5/8" in hole from 870 to 1070

** Old 7" in hole from 1856 to 1876

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet
Producing Sand Big Injun storage Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
<u>Pittsburgh Coal (Estimate)</u>			<u>603</u>	<u>606</u>		
<u>Big Dunkard Sand</u>			<u>988</u>	<u>1002</u>		
<u>Gas Sand</u>			<u>1118</u>	<u>1172</u>		
<u>Salt Sand</u>			<u>1247</u>	<u>1530</u>		
<u>Little Lime</u>			<u>1816</u>	<u>1837</u>		
<u>Big Lime</u>			<u>1850</u>	<u>1906</u>		
<u>Big Injun Sand</u>			<u>1914</u>	<u>2185</u>		
<u>Weir Sand</u>			<u>2230</u>	<u>2315</u>		
<u>Gantz Sand</u>			<u>2424</u>	<u>2442</u>		
<u>Redrilled to</u>				<u>2634</u>		
<u>Cement Plug-Back</u>				<u>1946</u>		Completed Total Depth
Note: <u>Gamma Log from</u>				<u>2634</u>		
<u>Surface to</u>						

1850
969
-881

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE April 3, 1973

Surface Owner Enid McCollough
Address 621 - 3rd St., Chester, W. Va.
Mineral Owner Same as surface
Address _____
Coal Owner Same as surface
Address _____
Coal Operator _____
Address _____

Company Equitable Gas
Address Pittsburgh, Pa. 15219
Farm Enid McCollough Acres 103
Location (waters) Sandy Run of McElroy Creek
Well No. (5483) 1 Elevation 969
District McElroy County Tyler
Quadrangle West Union NE 4.3-4

THIS PERMIT MUST BE POSTED AT THE WELL SITE
All provisions being in accordance with Chapter 2,
of the W. Va Code, the location is hereby approved
for re-drilling. This permit shall expire if
operations have not commenced by 8-9-73.

[Signature]
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Harry Stevens
Grantsville, W. Va. PH: 354-7719

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated June 29 1972 by Enid McCollough made to Equitable Gas Co. and recorded on the 17th day of Aug. 1972 in Tyler County, Book 194 Page 61

_____ NEW WELL _____ DRILL DEEPER _____ XX REDRILL _____ FRACTURE OR STIMULATE
_____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours, S. M. Linger
(Sign Name) Equitable Gas Co.
Well Operator

Address
of
Well Operator

420 Blvd. of the Allies

Street

Pittsburgh

City or Town

Pa. 15219

State

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET

TYL-460-RED.

PERMIT NUMBER

Linger

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO X Re DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME _____ NAME H. E. Gardner, Div. Supt. _____
 ADDRESS _____ ADDRESS Box 1550, Clarksburg, W. Va. 26301 _____
 TELEPHONE _____ TELEPHONE (304) 624-6576 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 1940 _____ ROTARY X _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Big Injun _____
 TYPE OF WELL: OIL _____ GAS _____ COMB. _____ STORAGE X _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8	1095	1095	Cem. to surface
8 - 5/8			
7			
5 1/2	1913	1913	Cem. to surface
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS No mineable coal _____, _____
 IS COAL BEING MINED IN THE AREA? No _____ BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title