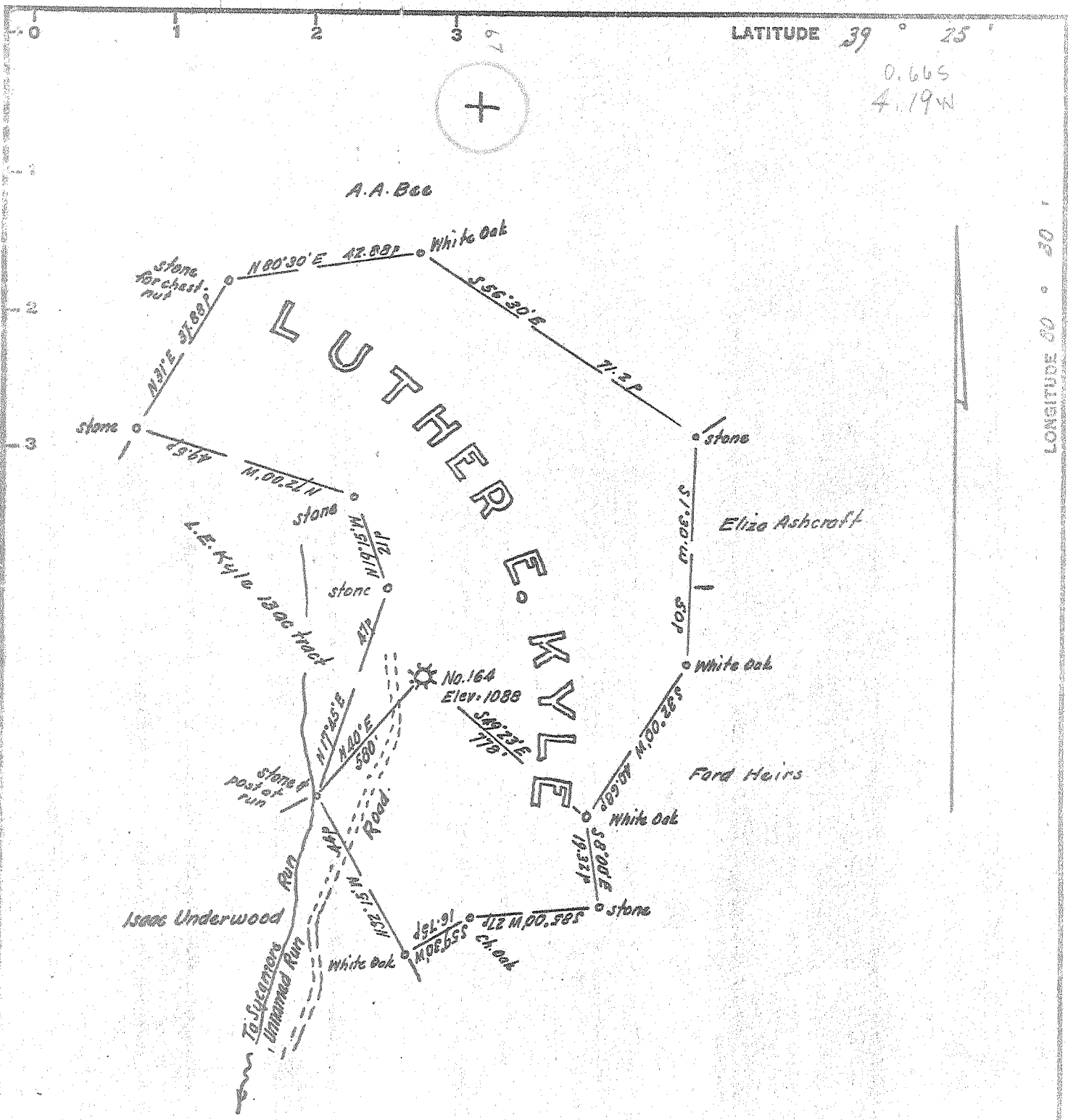
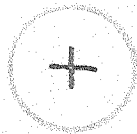


LATITUDE 39° 25'

0.66S
4.19W



Minimum Error of Closure 1 in 200

Source of Elevation B.M. 2700' down Sycamore Run - 867

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.

Fracture - 6-13-69
 New Location
 Drill Deeper
 Abandonment

Signed: [Signature]
 Squares: N S E W

Map No. Partial Plugging Issued 6-13-69

Company Carnegie Natural Gas Co.
 Address Munhall, Penna.
 Farm Luther E. Kyle
 Tract _____ Acres 65 Lease No. 6512
 Well (Farm) No. One Serial No. 164
 Elevation (Spirit Level) 1088
 Quadrangle Centerpoint EC
 County Doddridge District McClattan
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date June 9, 1969 Scale 1" = 300' = 495'

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

WELL LOCATION MAP
 FILE NO. Dod-1215-PP
Trans. to Dod-36-PP 2408
 + 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.
 JUN 22 1969



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Centerpoint NE

Permit No. DOD-36-FRAC

WELL RECORD

Oil or Gas Well GAS
(KIND)

Company Carnegie Natural Gas Company
Address 3904 Main St., Munhall, Pa.
Farm L. E. Kyle Acres 65
Location (waters) _____
Well No. 1-164 Elev. 1088
District McClellan County Doddridge
The surface of tract is owned in fee by William E. Howells
1919 Warrensville Center Road, Cleveland, Ohio
Mineral rights are owned by Kenneth Kyle, Atty-in-face
for L. E. Kyle Heirs Address _____
Drilling commenced C.O. June 9, 1969
Drilling completed June 30, 1969
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ 25,830 Cu. Ft.
Rock Pressure 250 lbs. 24 hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED July 29, 1969

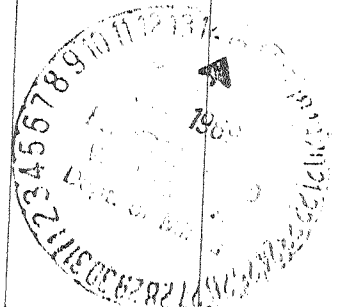
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer _____
16			
13			Size of _____
10			Depth set _____
8 1/4			
6 5/8			
5 3/16			Perf. top <u>2086</u>
<u>4.50</u>	<u>2215</u>	<u>2215</u>	Perf. bottom <u>2106</u>
2			Perf. top <u>2139</u>
Liners Used			Perf. bottom <u>2162</u>

CASING CEMENTED 4.50 SIZE 350 No. Ft. 7-11-69 Date
Cemented with 35 bags by Garaton Service Inc.
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES
_____ FEET _____ INCHES

RESULT AFTER TREATMENT 989,000
ROCK PRESSURE AFTER TREATMENT 356# 989 MCFGPD
Fresh Water _____ Feet
Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Pittsburgh Coal			710				
Big Dunkard			1230				
Big Lime			-1996	2076	Little gas	2121	
Big Injun			2076	2208	Gas	2196	
Gordon Stray			2819	2830	Gas	2827	
Gordon Sand			2844	2859	Little gas	2844	
th Sand			2878	2890	Little gas	2880	
Total Depth				2903			
Lugged back to 2230 Cemented and cleaned out to 2175 inside of casing Total Depth 2175							

OWWO, No new footage drld



(over)