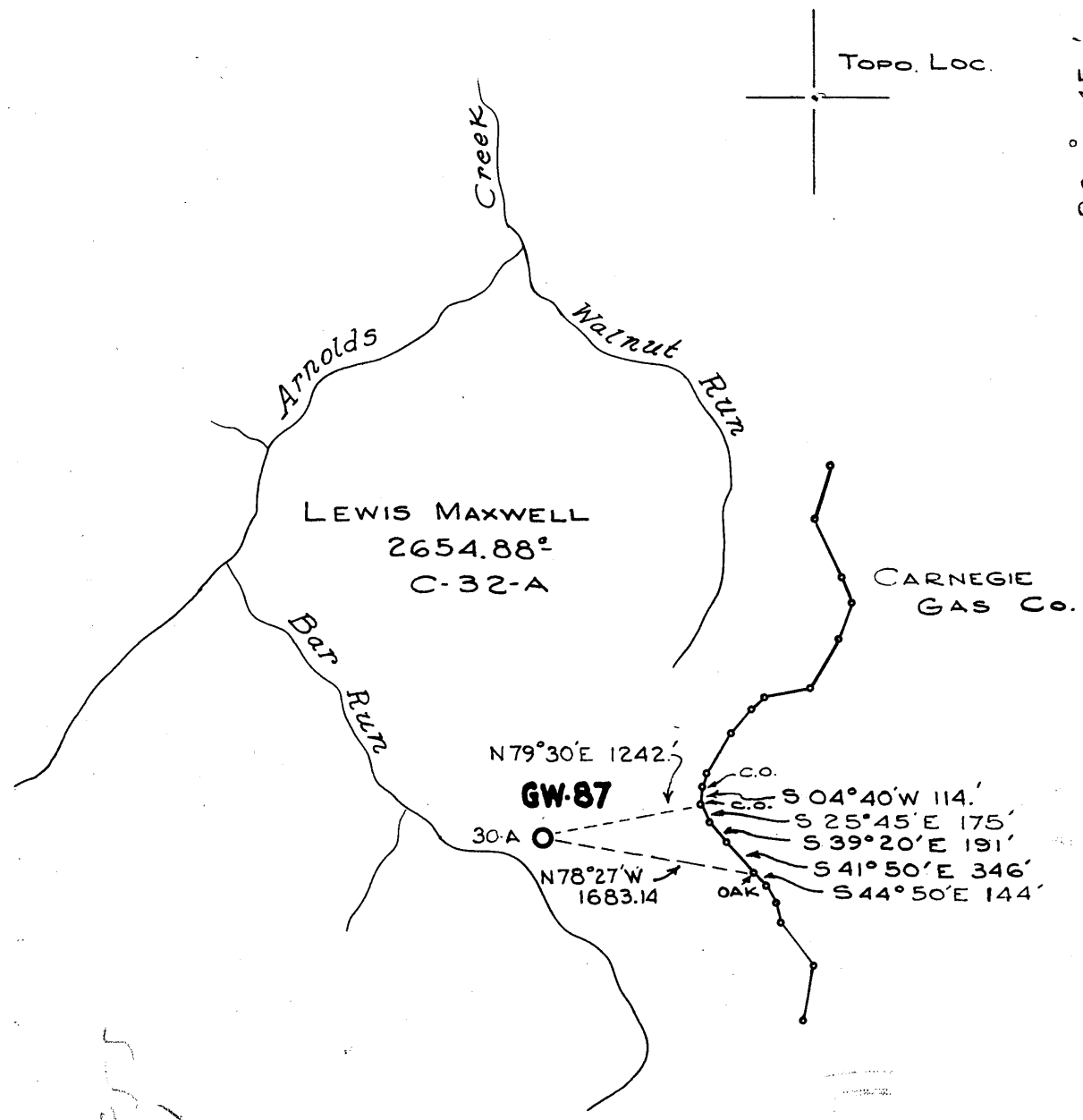


Latitude 39° 15'

Longitude 80° 45'

1
2
3



1.85
1.71

New Location
 Drill Deeper
 Abandonment

Company COLUMBIAN CARBON Co.
 Address P.O. BOX 873 CHARLESTON, W. VA.
 Farm LEWIS MAXWELL
 Tract _____ Acres 2654.88 Lease No. C-32-A
 Well (Farm) No. 30-A Serial No. GW-87
 Elevation (Spirit Level) 1102
 Quadrangle HOLBROOK-1 ^{NE} S 186 W 174
 County DODDRIDGE District WEST UNION
 Engineer Wendell J. Moore
 Engineer's Registration No. 2113
 File No. _____ Drawing No. _____
 Date AUG. 7, 1962 Scale 1" = 1320'

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

WELL LOCATION MAP
 FILE NO. DOD-1172-A
REDRILLED UNDER DOD-901-R

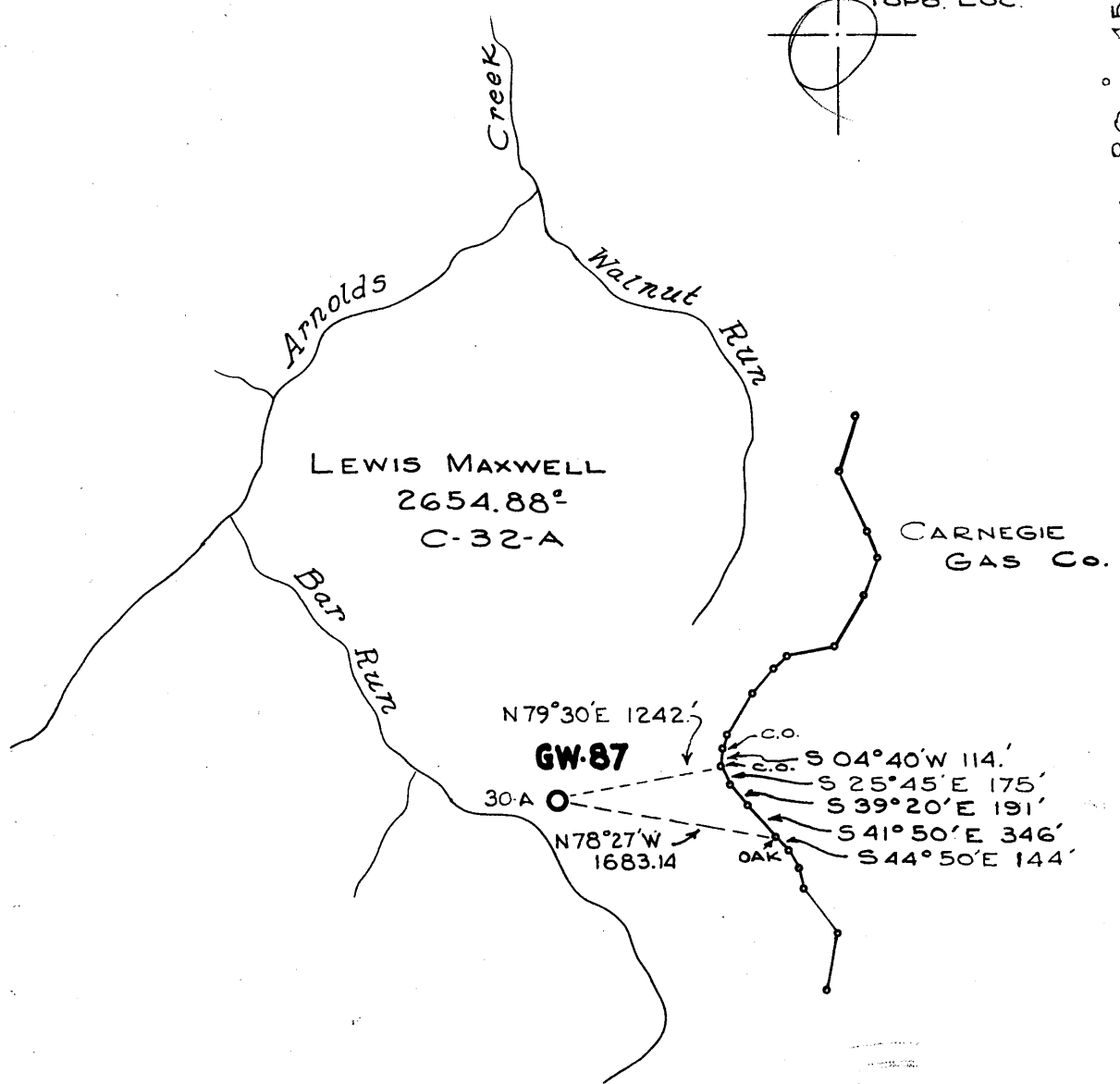
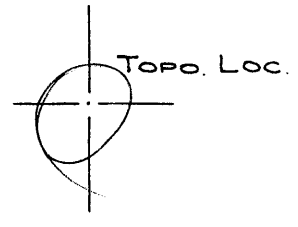
+ Denotes location of well on United States Topographic Maps, scale 1 to 62500 latitude and longitude lines being represented by border lines as shown.

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

6-6 123

Latitude 39° 15'

Longitude 80° 45'



New Location
Drill Deeper
Abandonment

NOV 28 1962

1172 W
1187 R

Company COLUMBIAN CARBON Co.
Address P.O. BOX 873, CHARLESTON, W.VA.
Farm LEWIS MAXWELL
Tract _____ Acres 2654.88 Lease No. C-32-A
Well (Farm) No. 30-A Serial No. GW-87
Elevation (Spirit Level) 1102
Quadrangle HOLBROOK-1 S 186 W 174
County DODDRIDGE District WEST UNION
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File No. _____ Drawing No. _____
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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP
FILE NO. DOD-1172-A
REDRILLED UNDER DOD-901-R

+ 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

(originally 1172-A)

LEWIS MAXWELL no. 30-A (GW-87) - COLUMBIAN CARBON Co. - DOD-901-R



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 REDRILLING
WELL RECORD

Quadrangle Holbrook 1 SW

Permit No. DOD-901

Oil or Gas Well Gas
(KIND)

Company Columbian Carbon Company
 Address P. O. Box 873, Chas. 23, W. Va.
 Farm Lewis Maxwell Acres 2654.88

Location (waters) Arnold's Creek
 Well No. 30-A, GW-87 Elev. 1102'
 District West Union County Doddridge

The surface of tract is owned in fee by Lewis Maxwell Hrs.

Mineral rights are owned by same
 Address _____
 Address _____

ReDrilling commenced 10-8-62
 Re-Drilling completed 10-26-62

Date Shot _____ From _____ To _____
 With _____

Open Flow /10ths Water in _____ Inch
 /10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock Pressure _____ lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

WELL ACIDIZED _____

WELL FRACTURED See below

RESULT AFTER TREATMENT 4/10 W. 2" 84Mcf Big Injun and Gordon

ROCK PRESSURE AFTER TREATMENT 12 hours 110#.

Fresh Water _____ Feet Salt Water _____ Feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer _____
16			Size of _____
13			Depth set _____
10 "	658'	8 jts. pulled	
8 1/4 "	1253'	pulled	
6 5/8 "	1719'	1719'	
5 3/16			
3			Perf. top _____
2 "	2464'6"	pulled	Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
							Set bridge at 2000' - filled to 1950' - dumped 1 sack cement - filled to 1900' - 2 sacks. Filled to 1865' Dlm-1868' Slim. Dumped 3 sacks cement. Ran Survey - showed bottom pipe 1714' - Big Injun 1773-1852' - gas 1787'
							Fraced Big Injun 10-12-62 Before fracing gas tested 11 Mcf. Pumped in 2,000 gallons acid - displaced with 840 gallons water. Pumped in 21,000 gallons water mixed with 110 gallons Tergitol and 26,000# sand at 1700#. Broke down at 2400# maximum. 1900# final. Flushed with 1260 gallons. Average injection rate 20.8 bbls/minute. Opened well.
							Drilled out tototal depth of <u>2452'</u>
							60 minute pickup 36#.
							12 hours 110# - turned into line.

