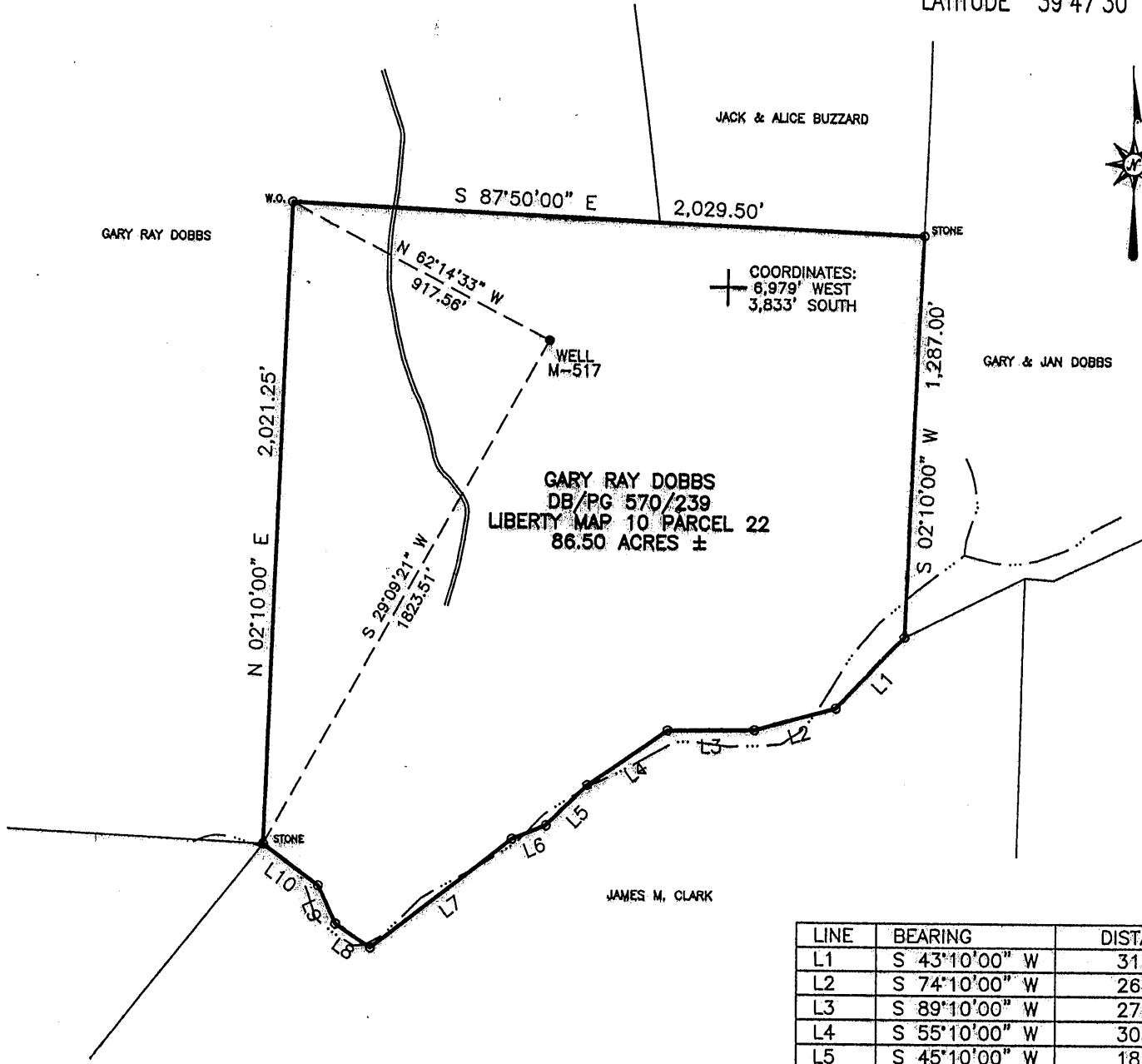


LATITUDE 39°47'30"

LONGITUDE 80°35'00"



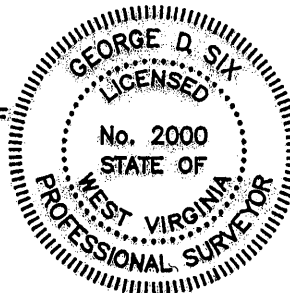
COORDINATES:
6,979' WEST
3,833' SOUTH

GARY RAY DOBBS
DB/PG 570/239
LIBERTY MAP 10 PARCEL 22
86.50 ACRES ±

LINE	BEARING	DISTANCE
L1	S 43°10'00" W	313.50'
L2	S 74°10'00" W	264.00'
L3	S 89°10'00" W	272.25'
L4	S 55°10'00" W	305.25'
L5	S 45°10'00" W	181.50'
L6	S 68°10'00" W	115.50'
L7	S 52°10'00" W	561.00'
L8	N 55°50'00" W	132.00'
L9	N 24°50'00" W	132.00'
L10	N 53°50'00" W	214.50'



Blue Mountain Engineering
11023 MASON DIXON HIGHWAY
BURTON, WV 26562
PHONE: (304) 662-6486



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.

P.S. No. 2000 *George D. Six*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

DATE JULY 14, 20 04
OPERATOR'S WELL NO. M-517
API WELL NO. 47 - 051 - 00947P
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY: 1/2500 FILE No.: M-517
SCALE: 1" = 500'
PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT - EASTON 1481.53'

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

WAD 051388

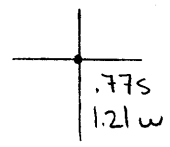
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION: 1354.79' WATERSHED: UNNAMED TRIBUTARY TO FISH CREEK
DISTRICT: LIBERTY COUNTY: MARSHALL QUADRANGLE: CAMERON, WV 7.5'
SURFACE OWNER: CONSOLIDATION COAL COMPANY ACREAGE: 86.50±
ROYALTY OWNER: _____ LEASE ACREAGE: _____
PROPOSED WORK: _____ LEASE No.: _____
DRILL: _____ CONVERT: _____ DRILL DEEPER: _____ REDRILL: _____ FRACTURE OR STIMULATE: _____ PLUG OFF OLD: _____
FORMATION: _____ PERFORATE NEW FORMATION: _____ PLUG AND ABANDON: CLEAN OUT AND REPLUG: _____ OTHER: _____
PHYSICAL CHANGE IN WELL (SPECIFY): _____ TARGET FORMATION: NONE
ESTIMATED DEPTH: _____

WELL OPERATOR: CONSOLIDATION COAL Co., RIVER OPERATIONS DESIGNATED AGENT: MICHELE O'NEIL
ADDRESS: Rd #4, Box 425, Moundsville, WV 26041 ADDRESS: Rd #4, Box 425, Moundsville, WV 26041

COUNTY NAME: MARSH
PERMIT: 0947P

Latitude



Longitude

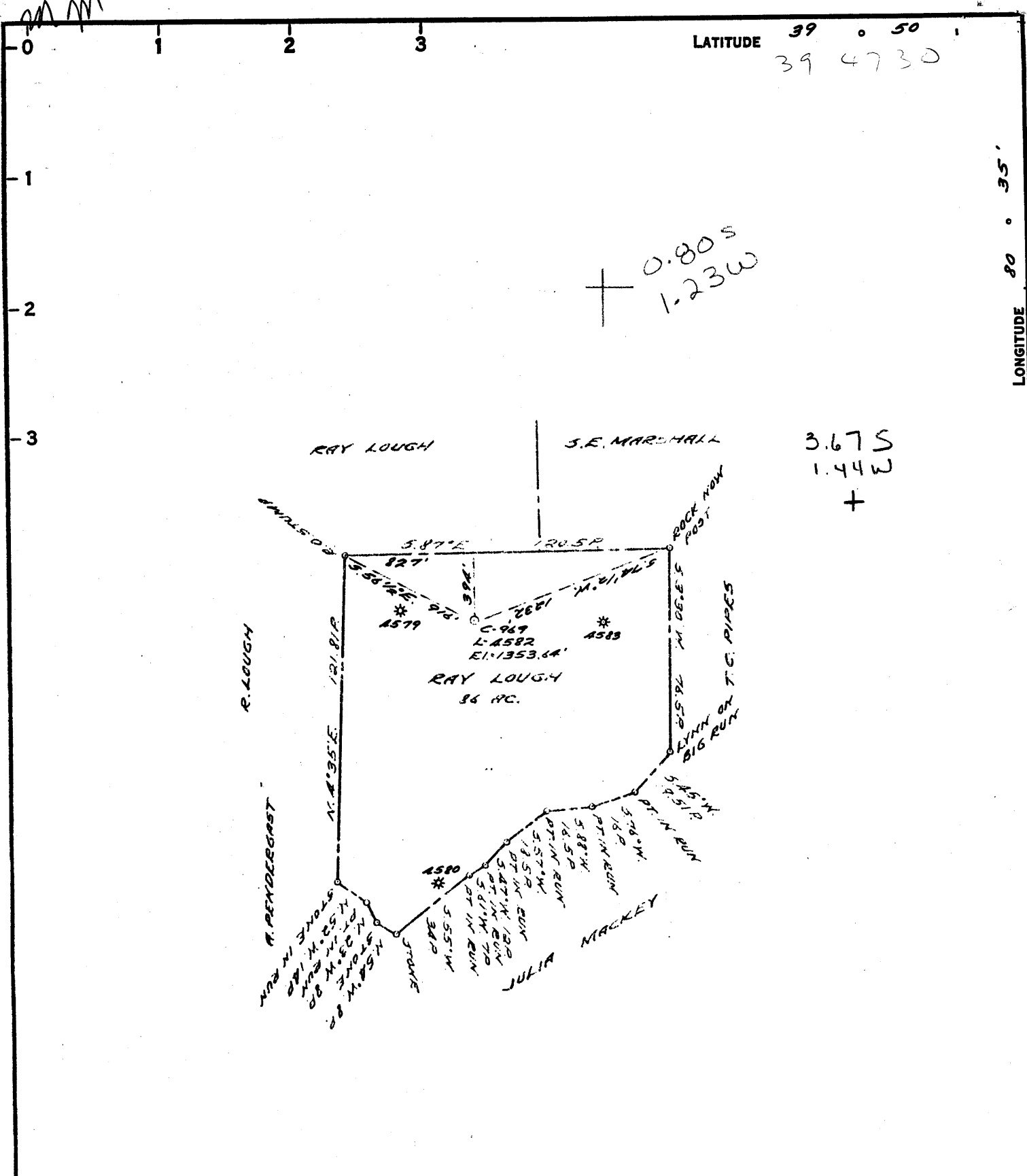
Topo Location

7.5' Loc. _____ 15' Loc. _____
 _____ (calc.) _____

Company Carnegie Nat. Gas
 Farm WC Fish 969
 15' Quad _____
 (sec.)
 7.5' Quad Cameron
 District Liberty

WELL LOCATION PLAT

County OSI Permit 70067
 NOW OSI 388
 NOW OSI 947P



LATITUDE 39 0 50
39 47 30

LONGITUDE 80 0 35

3.67 S
1.44 W
+

COAL OWNED BY _____
RECONOITION

NEW LOCATION.....

DRILL DEEPER.....

ABANDONMENT.....

0-25-28

COMPANY THE MANUFACTURERS LIGHT & HEAT CO

ADDRESS 800 UNION TRUST BLDG. PGM. PA.

FARM RAY LOUGH

TRACT _____ ACRES 86 LEASE NO. 26425

WELL (FARM) NO. 3 SERIAL NO. 4582

ELEVATION (SPIRIT LEVEL) 1353.64'

QUADRANGLE CAMERON SC

COUNTY MARSHALL DISTRICT LIBERTY

ENGINEER Robert M. Heill

ENGINEER'S REGISTRATION NO. 361-E (J.F.)

FILE NO. _____ DRAWING NO. Y-25-169

DATE 5 MAY, 1960 SCALE 1" = 800'

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

WELL LOCATION MAP

FILE NO. MARS-388-R
was 05170067
now 051947P

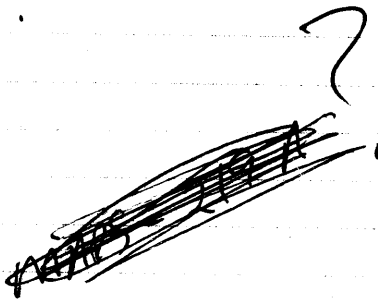
+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS. SCALE 1 TO 62,500. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN.

- DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

6-025

388
947P

Liberty District, Marshall County, W. Va.
 By Carnegie Natural Gas Co.
 Cameron SE Quadrangle.
 On 87 acres; lease No. 9804.
 Drilling commenced Dec. 5, 1919; completed, Feb. 2, 1920.
 No elevation.
 Shot with 16 qts., at 3055-58', Jan. 30, 1920.
 Shot with 20 qts., at 3054-56', Feb. 3, 1920.
 Oil well.
 Abandoned July 11, 1924.
 Record from Wilcox 10-15-39.



	Top.	Bottom.
Mapletown (Sewickley) Coal	954	- 960
Pittsburgh Coal	1050	- 1058
Sand (Minshall)	1200	- 1225
Murphy Sand	1265	- 1280
Little Dunkard Sand	1450	- 1486
Big Dunkard Sand	1520	- 1630
1st Salt Sand	1850	- 1885
2nd Salt Sand	1995	- 2000
Haxton Sand	2082	- 2112
Big Lime	2130	- 2180
Big Injun Sand	2180	- 2450
Gantz (Squaw or Weir) Sand (show gas, 2500')	2490	- 2506
Gordon Stray Sand (show oil, 2987')(30')	2982	- 2994
Gordon Sand (oil, 3055-58')	3053	-
Total depth		3081



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Quadrangle D.P.
Permit No. MARS-388-R, Dull 5947P

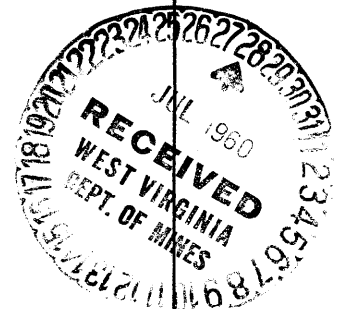
Oil or Gas Well GAS
(KIND)

Company The Manufacturers Light and Heat Company
Address 800 Union Trust Bldg., Pittsburgh 19, Pa.
Farm Ray Lough Acres 86
Location (waters) _____
Well No. L-4582 - (C-969) Elev. 1353.64'
District Liberty County Marshall
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced December 5, 1919
Drilling completed January 28, 1920
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.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10			Size of
8 3/4			
6 3/4			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT 954 FEET _____ INCHES
1050 FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
✓ Mapletown Coal			954	960			
✓ Pittsburgh Coal			1050	1058			
Sand			1200	1225			
✓ Murphy Sand			1265	1280			
○ Little Dunkard Sand			1450	1486			
✓ Big Dunkard Sand			1520	1630			
✓ 1st Salt Sand			1850	1885			
✓ 2nd Salt Sand			1955	2000			
✓ Maxton Sand			2082	2112			
✓ Big Lime			2130	2180			
✓ Big Injun Sand			2180	2430			
✓ Gantz) 50')	100 Sand		2490	2506	Show gas 2500		
✓ Gordon Stray			2982	2994	Shall 2987		
✓ Gordon Sand			3053		Oil 3055-3058		
TOTAL DEPTH				3081			



AUG 24 2004

RAY LOUGH No 3 (L-4582) (C-969) - (Over) OCT 6 1962 M. L. H. Co. - MARS-388-R