

TO WEST VIRGINIA SECONDARY ROUTE 25/1

RONNIE E. EVANS

RONNIE E. EVANS
N 39°33' E
199.08'
REFERENCE LINE

PRIVATE ROAD

S 68°23' E
79.63'

S 78°48' W
123.48'

S 59°28' W
418.30'

1/2" I.P.I.N.
S 05°13' W
100.02'

WELL#
M-513

N 58°16' E
236.07'

DONALD L. ZWICK SR. ET. UX.

TIMOTHY R. CAIN ET. UX.

S 86°40' W
51.52'

S 73°37' W
735.60'

S 72°15' W
418.47'

TIMOTHY R. CAIN ET. UX.
24.814± ACRES

McELROY COAL COMPANY

NORTH

McELROY COAL COMPANY

GARY RAY DOBBS ET. AL.

MAGGOTY RUN

N 03°00' E
632.62'

N 56°49' E
173.25'

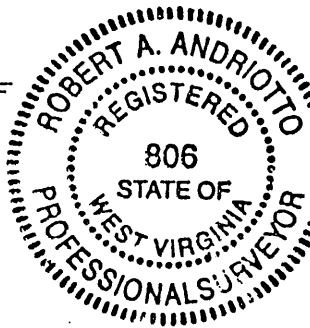
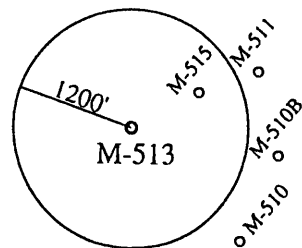
N 78°53' E
78.37'

S 88°45' E
174.24'

N 17°30' E
469.59'

N 37°40' E
235.78'

N 86°05' E
87.43'



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

DATE APRIL 25, 2003

OPERATORS WELL NO. M-513

API WELL NO. 47 - 51 - 00411P
STATE COUNTY PERMIT

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. Robert A. Andriotto
S06

MINIMUM DEGREE OF ACCURACY: 1 / 2500 FILE NO.: M513&515.DWG
SCALE: 1" = 400'

PROVEN SOURCE OF ELEVATION: COMPANY NETWORK TIED INTO U.S.G.S.

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



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

LOCATION: ELEVATION: 1202.08' WATERSHED: MAGGOTY RUN WGS: 081 30330

DISTRICT: LIBERTY COUNTY: MARSHALL QUADRANGLE: CAMERON, WV 7.5'

SURFACE OWNER: TIMOTHY R. & KIMBERLY I. CAIN ACREAGE: 24.814± ACRES

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

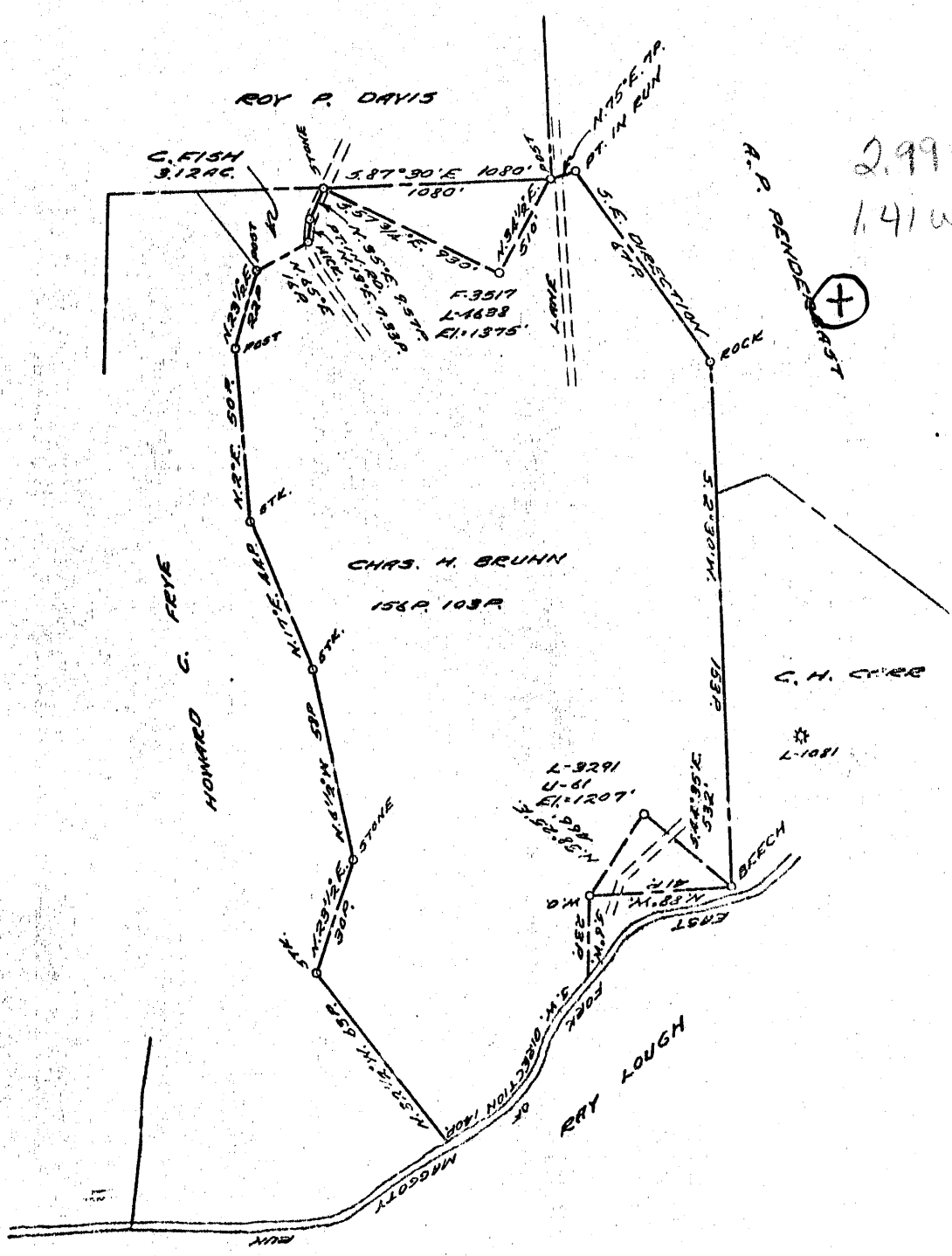
ESTIMATED DEPTH: _____

WELL OPERATOR: CONSOLIDATION COAL CO. / MCELROY COAL CO. DESIGNATED AGENT: MICHELE O'NEIL

ADDRESS: RD #4 BOX 425 MOUNDSVILLE, WV 26041 ADDRESS: RD #1 BOX 425 MOUNDSVILLE, WV 26041

COUNTY NAME
PERMIT

MARS
0411P



2.995
1.41W ✓

COAL OWNED BY RECONSTRUCTION
 NEW LOCATION.....
 DRILL DEEPER.....
 ABANDONMENT..... issued 7-28-69

0-25-28

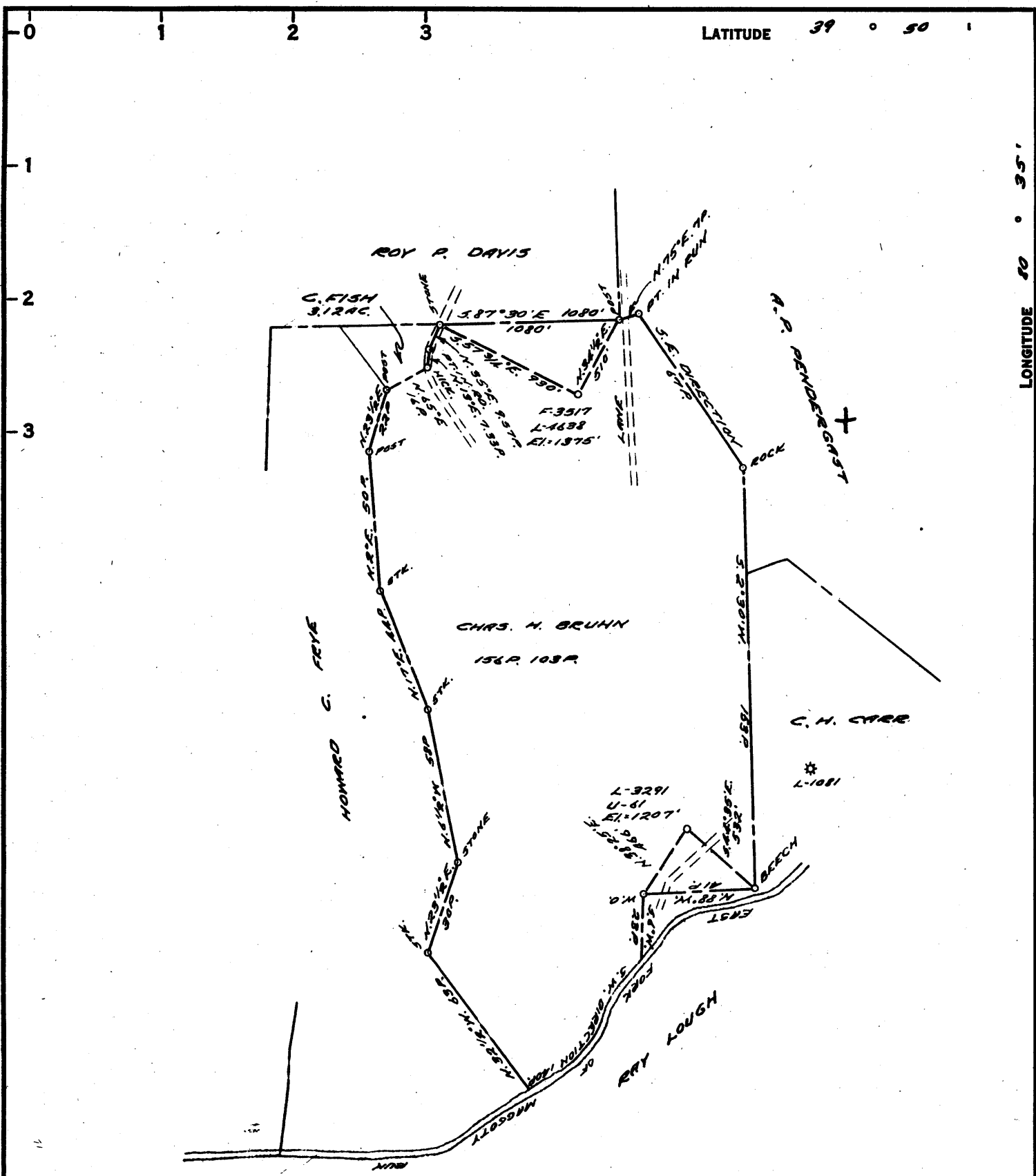
COMPANY THE MANUFACTURERS LIGHT & HEAT
 ADDRESS 800 UNION TRUST BLDG., PGM., PA.
 FARM C. H. BRUHN
 TRACT _____ ACRES 156 LEASE NO. 26710
 WELL (FARM) NO. 1 SERIAL NO. 3291
 ELEVATION (SPIRIT LEVEL) 1207'
 QUADRANGLE CAMERON SC
 COUNTY MARSHALL DISTRICT LIBERTY
 ENGINEER Thomas G. Virgin M.
 ENGINEER'S REGISTRATION NO. 1503
 FILE NO. _____ DRAWING NO. Y-25-309
 DATE 28 MAR 61 SCALE 1" = 800'

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

WELL LOCATION MAP

FILE NO. MARS-41R-P

+ 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.



COAL OWNED BY _____
 RECONDITION
 NEW LOCATION
 DRILL DEEPER
 ABANDONMENT

0-25-28

COMPANY THE MANUFACTURERS LIGHT & HEAT
 ADDRESS 300 UNION TRUST BLDG., PGH., PA.
 FARM C. H. BRUHN
 TRACT _____ ACRES 156 LEASE No. 26760
 WELL (FARM) No. 1 SERIAL No. 3291
 ELEVATION (SPIRIT LEVEL) 1207'
 QUADRANGLE CAMERON SC
 COUNTY MARSHALL DISTRICT LIBERTY
 ENGINEER Thomas G. Yergin M.
 ENGINEER'S REGISTRATION No. 1503
 FILE No. _____ DRAWING No. Y-25-309
 DATE 28 MAR. 61 SCALE 1" = 800'

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

WELL LOCATION MAP

FILE No. MARS-411-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.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Cameron

WELL RECORD

Storage

Permit No. MARS-411-R

Oil or Gas Well GAS
(KIND)

Company The Mfrs. Lt. and Ht. Company
Address 800 Union Trust Bldg., Pitts. 19, Pa.
Farm C. H. Bruhn Acres 156
Location (waters) _____
Well No. L-3291 Elev. 1207'
District Liberty County Marshall
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced May 25, 1961
Drilling completed July 15, 1961
Date Shot 7/18/61 From 2080 To 2290
With Orifice Well Tester
Open Flow 0/10ths Water in 1/4 Inch
_____ /10ths Merc. in _____ Inch
Volume None 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			Kind of Packer
16			
18			
10 3/4"	271	271	Size of
8 5/8"	996	1453	
7"	1984	2040	Depth set
5 3/16			
4 1/2"	2080	2080	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

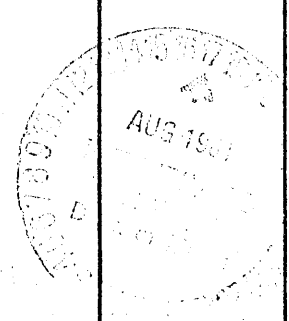
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT 924 FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft THICKNESS	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Pittsburgh Coal		9	924	933			
Big Dunkard Sand		50	1455	1505			
Maxton Sand		37	1880	1917			
Big Lime			2022				
Big Injun Sand				2332			
Old 7" casing		55	1985	2040			
New 7" casing set at				1984			
New 4 1/2" tubing set at				2080			
Plugged back to			2290				
TOTAL DEPTH				2290			
<p>New 8 5/8" casing was run on a steel shoe to 996' and set on top of 475' or original 8" casing, left in the hole, New 7" casing was run on a steel shoe to 1984' and set on top of 56' of original 7" casing, left in the hole. New 4 1/2" was run on a Halliburton Formation Packer Shoe and set at 2080'.</p>							





STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

289

Permit No. MAR-330-A → 411

WELL RECORD

Oil or ~~Gas~~ Well _____
(KIND)

Company R. C. Snyder
Address Cameron, W. Va.
Farm Chas. Bruhn Acres 454.4
Location (waters) _____
Well No. 1 Elev. 1239
District Liberty County Marshall
The surface of tract is owned in fee by Dorthea Bruhn
Address _____
Mineral rights are owned by _____
Address _____

Drilling commenced Aug 2, 1928
Drilling completed Sept. 20, 1928
Date Shot 30 Qts. From _____ To _____
With _____

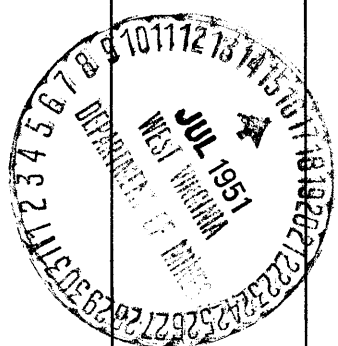
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil 15 BBLs. _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer _____
13			
10	272	Pulled	Size of _____
8 1/4	1465	1465	
6 5/8	2048	2048	Depth set _____
5 3/16			
3			Perf. top _____
2	2981	2981	Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

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

COAL WAS ENCOUNTERED AT 825 FEET 60 INCHES
925 FEET 60 INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Mapletown Coal			825	830			
Pittsburgh Coal			925	930			
Sand			1025	1045			
Red Rock			1060	1085			
Red Rock							
Big Dunkard			1435	1495			
Sand			1525	1550			
Sand			1570	1600			
Sand			1860	1905			
Maxon Sand			1950	1980	Gas	1956	
Big Lime			2007	2080			
Big Injun			2060	2310			
Sand			2870	2885			
Gordon Sand			2924	2951	Gas & Oil	2927-2932	
Total Depth				2952.			



Liberty District, Marshall County, W. Va.

By R. C. Snyder, Gasson, W. Va.

Abandoned under permit No.-d?

On 454.4 acres.

Elevation, 1239' L.

Surface owned by Martha Bruhn.

Drilling commenced Aug. 2, 1928; completed Sept. 20, 1928.

Shot with 30 qts.

Oil, 15 bbls., 1st 24 hrs.

10" casing, 272' (pulled); 8 1/2", 1465'; 6 1/2", 2048'; 2" tubing, 2981'.

Coal was encountered at 825-830 and 925-930'.

Oil well. Record to Dept. of Mines stamped July 16, 1951.

Record to RCT from Mrs. Griffith July 9, 1952. O. F. No. 389.

	Top.	Bottom.
Maplestown (Sewickley) Coal	825	- 830
Pittsburgh Coal	925	- 930
Sand	1025	- 1045
Red rock	1060	- 1085
Big Buckard Sand	1435	- 1495
Sand	1525	- 1550
Sand	1570	- 1600
Sand	1860	- 1905
Murton Sand (gas, 1956')	1950	- 1980
Big Lime	2007	- 2060
Big Injun Sand	2060	- 2310
Sand	2870	- 2885
Garden Sand (gas and oil, 2927-2932')	2924	- 2951
Total depth		2952