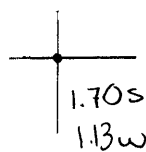


Latitude



Longitude

**Topo Location**

7.5' Loc. \_\_\_\_\_ 15' Loc. \_\_\_\_\_  
 \_\_\_\_\_ (calc.) \_\_\_\_\_

Company Manufact Lt + Ht

Farm JJ Grupp et al #1 - 285a

15' Quad \_\_\_\_\_  
(sec.)

7.5' Quad Cameron

District Liberty

**WELL LOCATION PLAT**

County OSI Permit 152

LATITUDE 39° 50'

LONGITUDE 80° 30'

J. EVANS

WAYNE GREGG - SURF

W. VA. SPRINGHILL TWP. GREENE CO. PA.

N 88°-30' W 1204.50'

Stake

Iron Pin

GLENN GRAY surf S 10°-30' E 734.25'

Well

N 58° E 498'

Top \*

N 43° 15' W 645.15'

N 1°-30' W 734.25'

WAYNE GREGG - SURF

Y. ISMINGER

Stake

S 88°-30' E 1204.50'

HICKORY

H. EARNEST

SAMUEL EARNEST - SURF

W. VA. PA.

COAL OWNED BY ISAAC BROWNFIELD

- NEW LOCATION
- RECONDITION
- DRILL DEEPER & FRAC
- ABANDONMENT

"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." # 8567E PENNA. Minimum degree of accuracy is one part in 200

Signed Andrew T. Schochaw

COMPANY BISSETT CONST. CO  
 ADDRESS NEW FREEPORT, PA.  
 FARM SAMUEL GRIFFITH  
 MAP \_\_\_\_\_ ACRES 20A-28P LEASE NO. \_\_\_\_\_  
 WELL (FARM) NO. \_\_\_\_\_ SERIAL NO. MLH 2852  
 ELEVATION (SPIRIT LEVEL) 1568  
 QUADRANGLE CAMERON - SE  
 COUNTY MARSHALL DISTRICT LIBERTY  
 POINT OF PROVEN ELEVATION HILL TOP 1579

FILE NO. FBK 13 P6c 68 DRAWING NO. \_\_\_\_\_  
 DATE 6-9-65 SCALE 1"-200

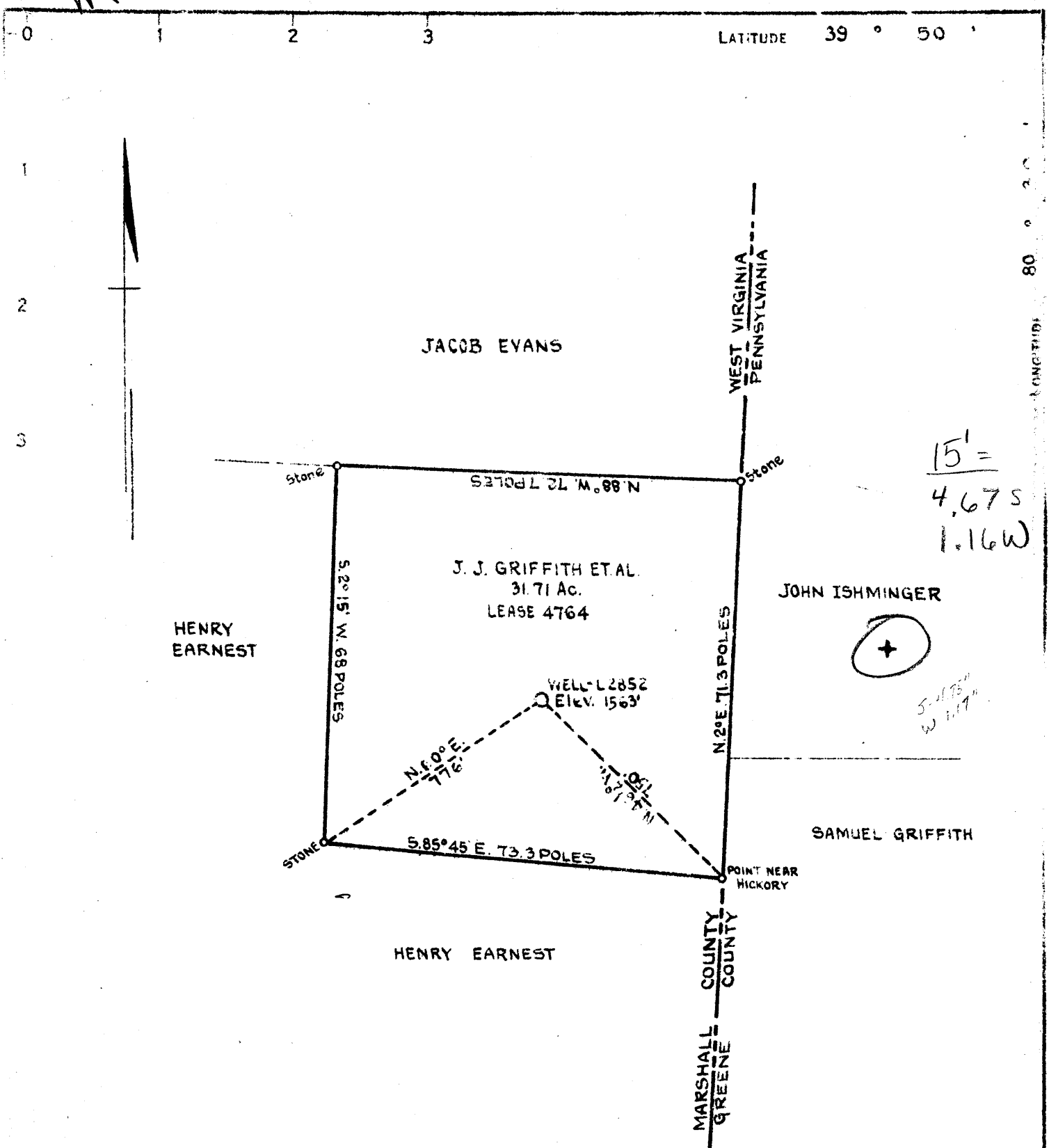
STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
 WELL LOCATION MAP

FILE NO. Mars-1-Frac.

Marshall 15D

+ 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 THE STATE OF WEST VIRGINIA

NEW LOCATION   
 DRILL DEEPER   
 ABANDONMENT

COMPANY THE MANUFACTURERS LIGHT & HEAT CO.  
 ADDRESS 800 UNION TRUST BUILDING - PITTSBURGH PA.  
 FARM J.J. GRIFFITH ET AL.  
 TRACT \_\_\_\_\_ ACRES 31.71 A. LEASE NO. 4764  
 WELL (FARM) NO. 1 SERIAL NO. 2852  
 ELEVATION (SPIRIT LEVEL) 1563'  
 QUADRANGLE CAMERON S.E. 1/4 QUADRANGLE  
 COUNTY MARSHALL DISTRICT LIBERTY  
 ENGINEER J.E. Virgin  
 ENGINEER'S REGISTRATION NO. \_\_\_\_\_  
 FILE NO. INV. WELL BK. 36 PG. 36 DRAWING NO. Y-10-998  
 DATE FEBRUARY 3, 1944 SCALE 1" = 400'

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

**WELL LOCATION MAP**

FILE NO. MARS-152  
*(was Marshall 1 Froc (5000))*

• 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

1-17-66  
WJ

Quadrangle \_\_\_\_\_

Permit No. MARS -1-Frac. Marshall 152 **WELL RECORD**

Oil or Gas Well Gas  
(KIND)

Company Bissett Construction Company  
Address Box 71, New Freeport, Pa. 15352  
Farm J. J. Griffith Acres 20A;28P  
Location (waters) Little Fish Creek  
Well No. L-2852 Elev. 1568  
District Liberty County Marshall  
The surface of tract is owned in fee by Wayne Greggs,  
Address Cameron, W. VA. R.D. #5  
Mineral rights are owned by Griffith Heirs, c/o Weir  
Griffith Address Adena, Ohio  
Drilling commenced 7/16/65  
Drilling completed 7/20/65  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_

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

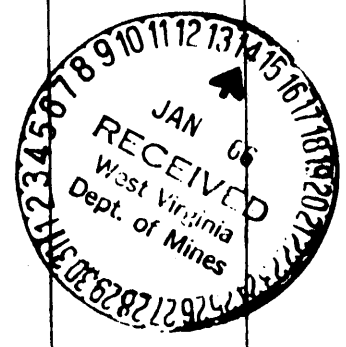
Open Flow 4/10ths Water in 2 Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume 62,512 Cu. Ft.  
Rock Pressure 100 lbs. 24 hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
WELL ACIDIZED Breakdown acid 500 gal.

CASING CEMENTED 4 SIZE 680 No. Ft. 7/30/65 Date  
All pipe in place-well deepened in Big Injun  
COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

WELL FRACTURED 8/6/65 by Dowell Using 37,506 gal. water

RESULT AFTER TREATMENT 168,000 cu. ft. open flow  
ROCK PRESSURE AFTER TREATMENT 325 lbs. 24 hrs.  
Fresh Water \_\_\_\_\_ Feet Salt Water with pay Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand	Gray	hard	2545	2645	Gas " "	2558-66 2578-88 2631-36	Plus Depth
Well fractured at 2631-36 - water with the pay.					Well put to pumping.		
				2645 2315 330	red ftg		



WEST VIRGINIA DEPARTMENT OF MINES  
OIL & GAS DIVISION  
W E L L R E C O R D

Permit No. Mars 152-D  
Cameron S.E. Quad.  
Company  
Address  
Farm  
Location  
Well No  
District  
Surface  
Mineral  
  
Commenced  
Completed  
Rock Pressure  
Volume

*Good record for (some)*

The Manf. Light & Heat Co.  
800 Union Trust Bldg., Pitts., Pa.  
J.J. Griffith Acres 40 10 305, 310, Same  
DD-A-31.71 8 1/2 1791, 1816, "  
1 -2852 Elev. 1563' 6 5/8 1'7" 1'7"  
Liberty Marshall County  
N.B. Griffith, Cameron, W.Va.  
The Mfrs. L. & H. Co., 800 Union  
Trust Bldg., Pittsburgh, Pa.  
5-10-23--; 2-8-27--; 3-14-44  
5-31-23--; 2-15-27--; 4-10-44  
125 lbs. -- hrs.; D.D. 280#  
18/10ths M 2 1/2" 24 Min.  
Gas Well  
CASING & TUBING  
Coal at 360' 120"  
870' 60"; 960' 84"  
1030' 72"; 1220' 60"  
1312' 120"

DRILLED DEEPER

Lime & Slate	0	360	
Coal	360	370	
Slate & Lime Shells	370	810	
Sand	810	870	
Coal	870	875	
Lime	875	925	
Slate	925	960	
Coal	960	967	
Lime	967	1030	
Coal	1030	1036	
Lime Shells	1036	1130	
Lime	1130	1220	
Mapletown Coal	1220	1225	
Lime	1225	1312	
Pitts. Coal	1312	1322	
Lime	1322	1432	
Sand	1432	1460	
Lime	1460	1500	
Slate	1500	1540	
Murphy Sand	1540	1560	Gas 1550
Red Rock	1560	1565	
Lime	1565	1595	
Slate	1595	1605	
Red Rock	1605	1645	
Lime	1645	1655	
Slate	1655	1695	
Red Rock	1695	1700	
Little Dunkard	1700	1730	
Slate	1730	1740	
Lime	1740	1760	
Slate	1760	1791	
Big Dunkard	1791	?	Pay Gas at 1793 to 1800
TOTAL DEPTH		1803	

DRILLED DEEPER 2-8-27

Big Dunkard	1791	1858	
Slate & Shells	1850	1890	
Sand	1890	1905	
Slate & Shells	1905	2078	
Salt Sand	2078	2100	Gas 2093 to 2098
Slate	2100	2165	
Salt Sand	2165	2190	
Slate	2190	2200	
Salt Sand	2200	2235	Gas 2222 to 2229
TOTAL DEPTH		2235	
ORIGINAL TOTAL DEPTH		2235	

*2235  
1803  
422 - new fig.*

DRILLED DEEPER 3-14-44

Slate & Lime	2235	2287	
3rd Salt Sand	2287	2315	Gas 2311-2315
			TOTAL DEPTH 2315'

*2315  
2235  
80 - 00 ft*