

Minimum Error of Closure 1' in 200'
 Source of Elevation LEVELS from CONSOLIDATED GAS SUPPLY CORP. PLUG WELL 4572 ELV. 1211'
 "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."
 CRC

Ferdinand - 7-21-72

Revised Plotting
 Identification 12/8/71
 Drill Deeper
 Abandonment

MAP SHEET 57 S 22 E 11 FB 1006 PG 16-17

Company CONSOLIDATED GAS SUPPLY CORP.
 Address CLARKSBURG, W.VA.
 Name J. B. GUSMAN
 Tract Acres 800 Lease No. 20606
 Well (Farm) No. _____ Serial No. 11433
 Elevation (Spirit Level) 1204'
 Quadrangle WESTON, WVA. CO.
 County HARRISON District GRANT
 Engineer Jackson M. Jarvis
 Engineer's Registration No. 2397
 File No. _____ Drawing No. _____
 Date 11-10-71 Scale 1" = 800'

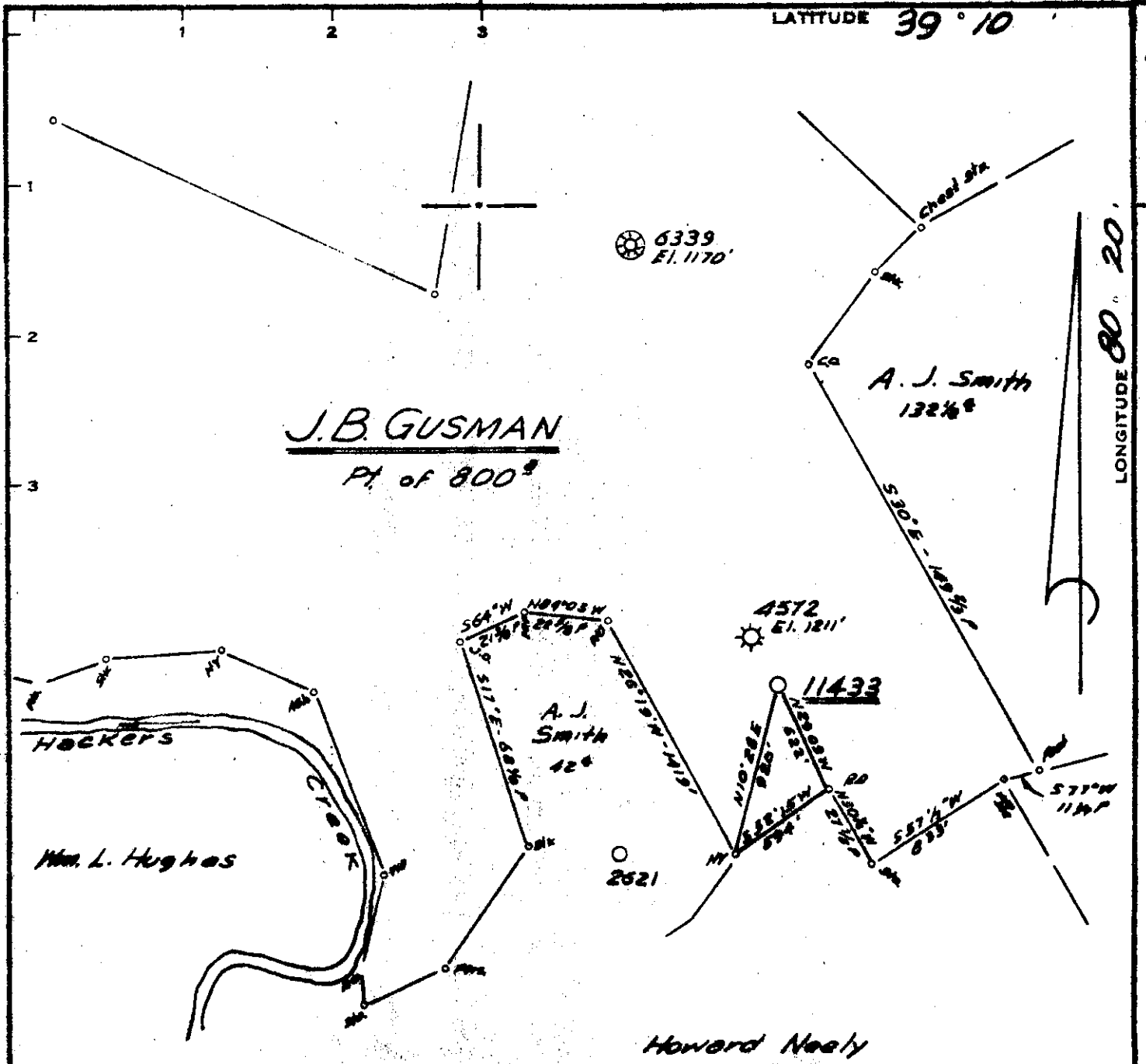
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. Har-598-PP-FRAC

+ 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.

JUL 31 1972



Minimum Error of Closure 1' IN 200'
 Source of Elevation LEVELS FROM CONSOLIDATED GAS SUPPLY CORP PUMP WELL 4572 ELV 1211'
 "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."
 ERC

Partial Platting
 New Location
 Drill Deeper
 Abandonment

12/8/71

MAP SHEET 57 S 22 E 11 FB 1006 PG 16-17

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 Engineer's Registration No. 2397
 File No. _____ Drawing No. _____
 Date 11-10-71 Scale 1" = 800'

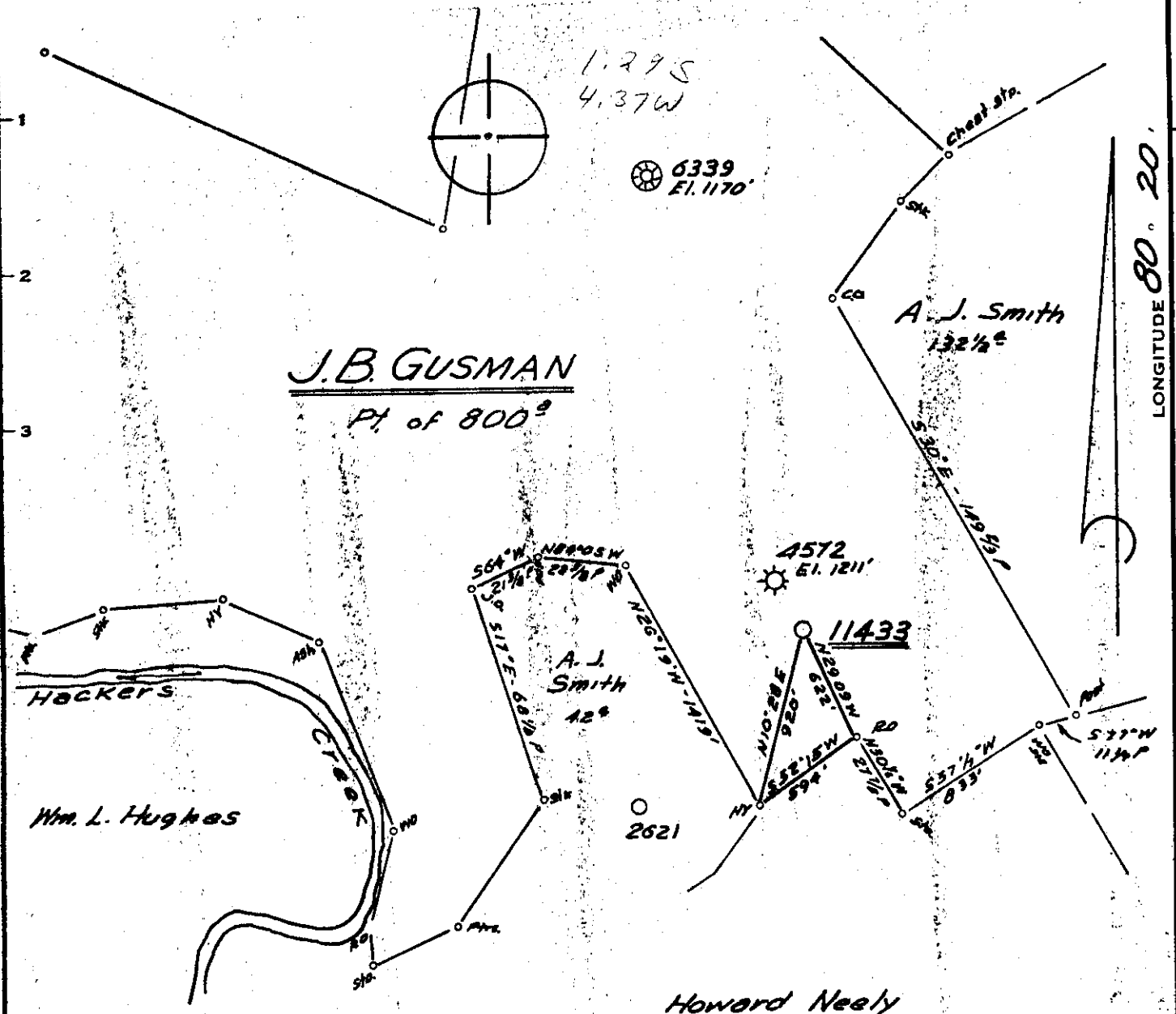
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

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 FILE NO. Har-598-PP

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LATITUDE 39° 10'

LONGITUDE 80° 20'



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- New Location
- Drill Deeper
- Abandonment

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

WELL LOCATION MAP
 FILE NO. Star-598

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DEC 13 1971

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

Rotary xx

Spudder

Cable Tools

Storage

Oil or Gas Well (KIND)

dry
gas show

WELL RECORD

Quadrangle WESTON
Permit No. HAR-598

Company Consolidated Gas Supply Corporation
Address Clarksburg, W. Va.
Farm J. B. Gusman Acres 800
Location (waters)
Well No. 11433 Elev. 1204'
District Grant, County Harrison,
The surface of tract is owned in fee by
Address
Mineral rights are owned by
Address
Drilling commenced 11-28-71
Drilling completed 12-8-71
Date Shot Not shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume No gas Cu. Ft.
Rock Pressure Not taken lbs. hrs.
Oil None bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) No
WELL FRACTURED (DETAILS) No

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13	358	358	
10			Size of
8 1/4	2007	2007	
6 5/8			Depth set
5 3/16			
4 1/2			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record. Both strings to surface
CASING CEMENTED SIZE No. Ft. Date
Amount of cement used (bags)
Name of Service Co. Halliburton
COAL WAS ENCOUNTERED AT 318 FEET 2 1/2 INCHES
660 FEET 36 INCHES 680 FEET 2 1/2 INCHES
822 FEET 36 INCHES FEET INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.)
ROCK PRESSURE AFTER TREATMENT HOURS
Fresh Water 80' Feet Salt Water Feet
Producing Sand Benson Dry - Will try to produce Bayard in 1972 Depth 4460'

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand & Shale			0	318	Water	80'	
Coal			318	320			
Sand & Slate			320	660			
Coal			660	663			
Sand & Shale			663	680			
Coal			680	682			
Sand & Shale			682	822			
Coal			822	825			
Sand & Shale			825	1260			
Maxton Sand			1260	1300			
Sand & Shale			1300	1370			
Little Lime			1370	1385	Gas	1381'	
Big Lime			1385	1470			
Big Injun			1470	1580			
Sand & Shale			1580	1905			
50' Sand			1905	1970			
Sand & Shale			1970	2095			
Gordon Sand			2095	2170	Gas	2368	
Sand & Shale			2170	2325			
5th Sand			2325	2345			
Sand & Shale			2345	4345			
BENSON			4345	4365	No gas in Benson		
TOTAL DEPTH				4460'			

Will abandon permanently to 2500' and gel to surface temporarily pending treatment in Bayard at a later date.

All measurements are K.B. 9' above G.L.

(over)

DEC 22 1971



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
JUL 21 1972

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE July 20, 1972

Surface Owner Tom Garton

Company Consolidated Gas Supply Corporation

Address Jane Lew, W. Va.

Address Clarksburg, W. Va.

Mineral Owner Same

Farm J. B. Gusman Acres 800

Address _____

Location (waters) Hackers Creek

Coal Owner Same

Well No. 11133 Elevation 1204'

Address _____

District Grant County Harrison

Coal Operator No operations

Quadrangle WESTON

Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for fracturing. This permit shall expire if operations have not commenced by 11-21-72.

Robert Hobbs
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED William Blosser
Colfax, W. Va. PH: 363-9105

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated 7-9-00 19 by J. B. Gusman made to Treat & Crawford and recorded on the 5th day of October 19 00, in Harrison County, Book 158 Page 8

 NEW WELL DRILL DEEPER REDRILL XX FRACTURE OR STIMULATE
 OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address day -- before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,
(Sign Name) Robert D. Payne Manager of Prod. Well Operator

Address of Well Operator

Consolidated Gas Supply Corporation
Street
445 West Main Street
City or Town
Clarksburg, W. Va.
State

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

HAR-598-PP -FRAC. PERMIT NUMBER

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO _____ DRILL _____ DEEPEN XX FRACTURE-STIMULATE
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME Company Tools NAME R. E. Bayne
 ADDRESS _____ ADDRESS Bridgeport, W. Va.
 TELEPHONE 623-3611 TELEPHONE 623-3611
 ESTIMATED DEPTH OF COMPLETED WELL: 2500 ROTARY _____ CABLE TOOLS XX
 PROPOSED GEOLOGICAL FORMATION: Bayard
 TYPE OF WELL: OIL _____ GAS XX COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10 In well	358	358	Cemented to surface
9 - 5/8			
8 - 5/8 In well	2007	2007	Cemented to surface
7			
5 1/2			
4 1/2 Will run	2500'	2500'	100 bags
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 80' FEET _____ SALT WATER None FEET _____
 APPROXIMATE COAL DEPTHS Various See OG-10
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title