

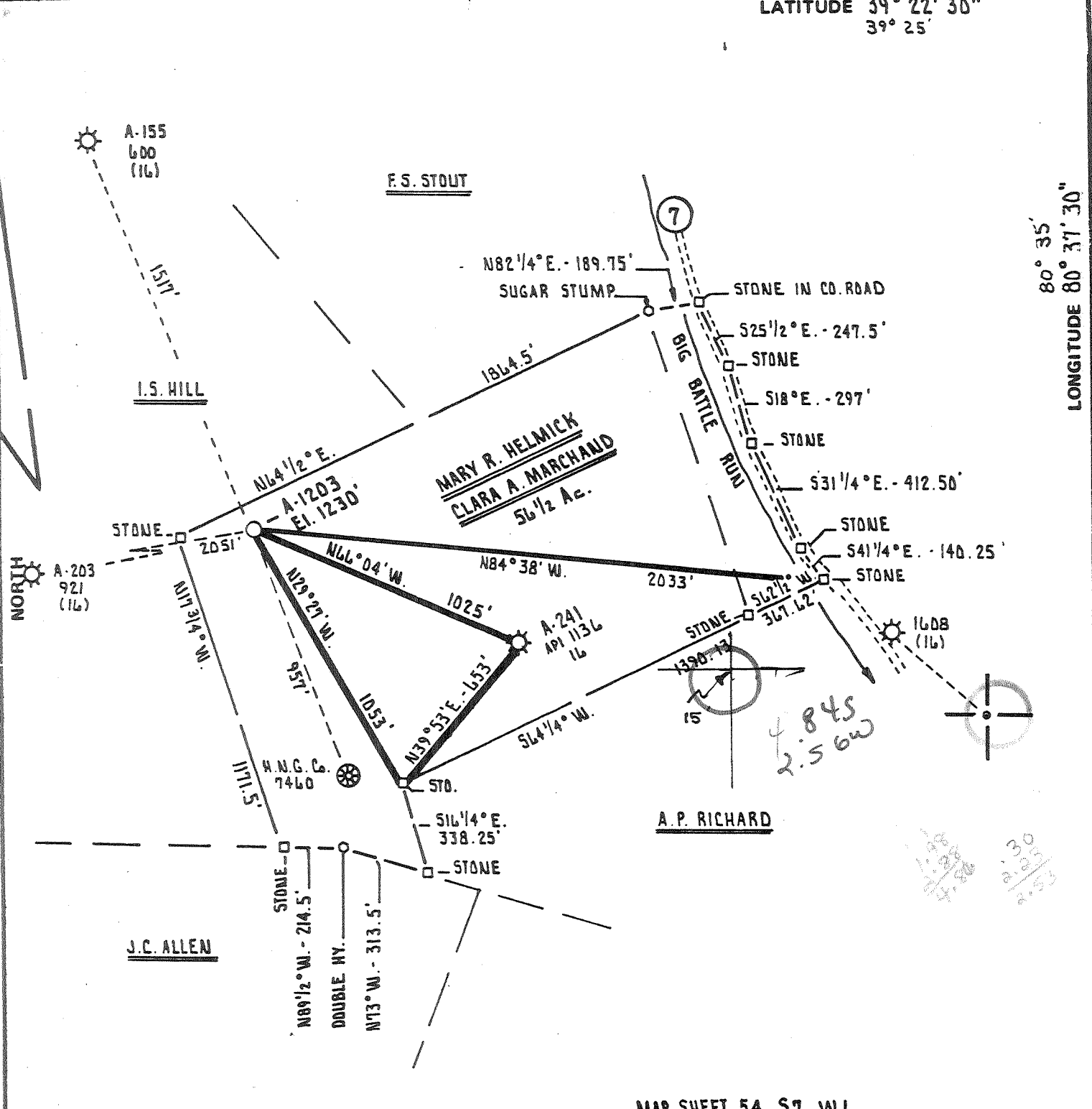
M.S. 8/29/82

Plot Card CSD

1,550'

LATITUDE 39° 22' 30"  
39° 25'

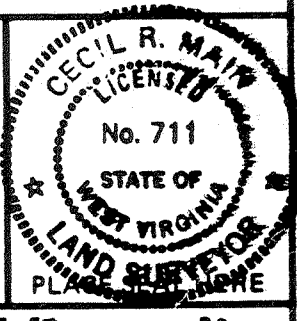
LONGITUDE 80° 31' 30"  
80° 35'



MAP SHEET 54 S7 W1

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
 PROVEN SOURCE OF ELEVATION ALLEGHENY LAND and MINERAL CO. -- WELL # A-241  
ELEV. 941'

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 MINES.  
 (SIGNED) Cecil R. Main  
 R.P.E. \_\_\_\_\_ L.L.S. 711



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION



DATE AUGUST 5<sup>th</sup> 19 82  
 OPERATOR'S WELL NO. A-1203  
 API WELL NO. 47 - 017 - 3140  
 STATE \_\_\_\_\_ COUNTY \_\_\_\_\_ PERMIT \_\_\_\_\_

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1230' WATER SHED BIG BATTLE RUN  
 DISTRICT McCLELLAN COUNTY DDDRIDGE  
 QUADRANGLE SMITHBURG 7.5' Cerespont 15'C  
 SURFACE OWNER CLARA A. MARCHAND ACREAGE 5 1/2 Ac.  
 OIL & GAS ROYALTY OWNER MARY R. HELMICK and CLARA A. MARCHAND LEASE ACREAGE 5 1/2 Ac.  
 LEASE NO. \_\_\_\_\_

PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_ 6-6  
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5500' Smithton-Flint-SEP 13 1982  
 WELL OPERATOR ALLEGHENY LAND and MINERAL CO. DESIGNATED AGENT DANIEL L. WHEELER Sedalia (99)  
 ADDRESS P.O. BOX 1740 ADDRESS P.O. BOX 1740



DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE ETC.

Well was fractured November 2, 1982  
 Perforations: 5147 - 5151 14 holes *Benson*  
 5428 - 5444 17 holes *Alexander*

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Fill	0	10	water @ 55'
Sand & Shale	10	498	1" water @ 780'
Coal	498	502	Gas check @ 1998' no show
Shale	502	757	Gas check @ 2153' odor
Coal	757	763	Gas check @ 2246' 40MCF/D
Shale	763	2015	Gas check @ 2680' 179MCF/D
L. Lime	- 2015	2030	Gas check @ 3107' 211MCF/D
Shale	2030	2047	Gas check @ 3698' 189MCF/D
B. Lime	- 2047	2113	Gas check @ 4690' 169MCF/D
Shale & Lime	2113	2121	Gas check @ 5063' 189MCF/D
Shale	2121	2130	Gas check @ 5247' 163MCF/D
Big Injun	2130	2218	Gas check @ 5615' 68MCF/D
Sand & Shale	2218	5170	
Benson	- 5170	5180	
Sand & Shale	5180	5340	
Alexander	5340	5360	
Sand & Shale	5360	5615 T.D.	

(Attach separate sheets as necessary)

Allegheny Land and Mineral Company  
 Well Operator

By: *Raymond P. Dues*  
 Vice President Oil & Gas Operations

Date: November 30, 1982

Note: Regulation 2.02 (i) provides as follows  
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OIL and GAS DIVISION  
OIL and GAS WELL PERMIT

WELL NO. A-1203  
FARM NAME Marchand  
API WELL NO. 47 - 017 - 3140  
DATE August 11, 1982

WELL TYPE: Oil      / Gas XXX /  
If "Gas", Production      / Underground storage      / Deep      / Shallow XXX / )  
LOCATION: Elevation: 1230' Watershed: Big Battle Run  
District: McClellan County: Doddridge Quadrangle: Smithburg 7.5'

WELL OPERATOR Allegheny Land and Mineral Company DESIGNATED AGENT Daniel L. Wheeler  
Address P. O. Drawer 1740 Address P. O. Drawer 1740  
Clarksburg, West Virginia 26301 Clarksburg, West Virginia 26301

OIL & GAS  
ROYALTY OWNER Mary Helmick Clara Marchand COAL OPERATOR       
Address % J. R. Helmick Rt. 2 Address       
Bristol, WV 26332 Salem, WV 26426

COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name Mary Helmick Clara Marchand  
Address % J.R. Helmick Rt. 2  
Bristol, WV 26332 Salem, WV 26326  
Name       
Address     

FIELD SALE (IF MADE) TO: Consolidated Gas Supply Corp.  
Address 445 West Main Street  
Clarksburg, WV 26301

OIL AND GAS INSPECTION TO BE NOTIFIED  
Name Stephen Casey  
Address Rt. 2, Box 232-D  
Jane Lew, WV 26378

The undersigned well operator is entitled to operate for oil or gas purposes as the above location, under a deed  
     / lease XX / other contract      / dated May 5, 19 61, to the undersigned well operator, from  
Clara A. Marchand, etal

(If said deed, lease, or other contract has been recorded:)  
Recorded on July 20, 19 61, in the office of the Clerk of the County Commission of Doddridge County, West  
Virginia in Lease Book 69 at page 298. A permit is requested as follows:

PROPOSED WORK: Drill XX / Drill deeper      / Redrill      / Fracture or stimulate      /  
Plug off old formation      / Perforate new formation      /  
Other physical change in well (specify)     

-planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish  
to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days  
after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail  
or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the  
mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Yes XX / No      / The right to extract, produce or market the oil or gas is based upon a lease or leases or other  
continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the  
owner of the oil or gas in place which is not inherently related to the volume of oil and gas so extracted, produced  
or marketed.

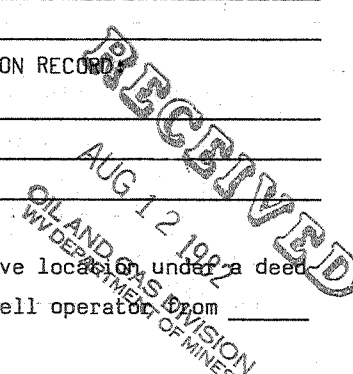
If the answer to this question is yes, you may use this affidavit.

AFFIDAVIT

I, Daniel L. Wheeler, Vice President, (the above designated owner or operator, or authorized representative thereof),  
after being duly sworn, do depose and say that the undersigned is authorized by the owner of the working interest in  
the well to state that it shall tender to the owner of the oil and gas in place not less than one-eighth of the  
total amount paid to or received by or allowed to the owner of the working interest at the wellhead for the oil or  
gas so extracted, produced or marketed before deducting the amount to be paid to or set aside for the owner of the  
oil or gas in place, all such oil or gas to be extracted, produced or marketed from the well.

ALLEGHENY LAND AND MINERAL COMPANY

BY Daniel L. Wheeler  
Daniel L. Wheeler, Vice President



BLANKET BOND

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:

ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Development Drilling, Inc.  
P. O. Drawer 1740  
Clarksburg, West Virginia 26301

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well 5500' feet Rotary XXX / Cable tools      /

Approximate water strata depths: Fresh, 563' feet; salt,      feet.

Approximate coal seam depths: 792-802 Is coal being mined in the area? Yes      / No XX /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP or SACKS (Cubic Feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For Drilling	Left in well		
Conductor	16"				X	20'	20'	cement to surface	Kinds
Fresh Water	8-5/8"								Sizes
Coal	8-5/8"		20#	X		1200'	1200'	cement to surface	Depths set
Intermediate									
Production	4-1/2"		J-55 10.50#	X		5500'	5500'	cement to 300' above producing horizon or as required by Rule 15.01	
Tubing									Perforations:
Liners									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the form prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9 "Reclamation Plan", applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued with fifteen (15) days of receipt thereof.

WAIVER

The undersigned coal operator      / owner      / lessee      / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements by the West Virginia Code and the governing regulations.

Date:      19      BY:     

THIS PERMIT MUST BE POSTED AT THE WELL SITE.  
 ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,  
 ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY  
 APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE  
 IF OPERATIONS HAVE NOT COMMENCED BY 5-10-83  
 BY     

0000 TENNAN