

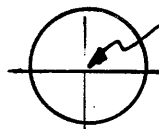
M. Z. 8/27/82

Plot Card CSD

7000'

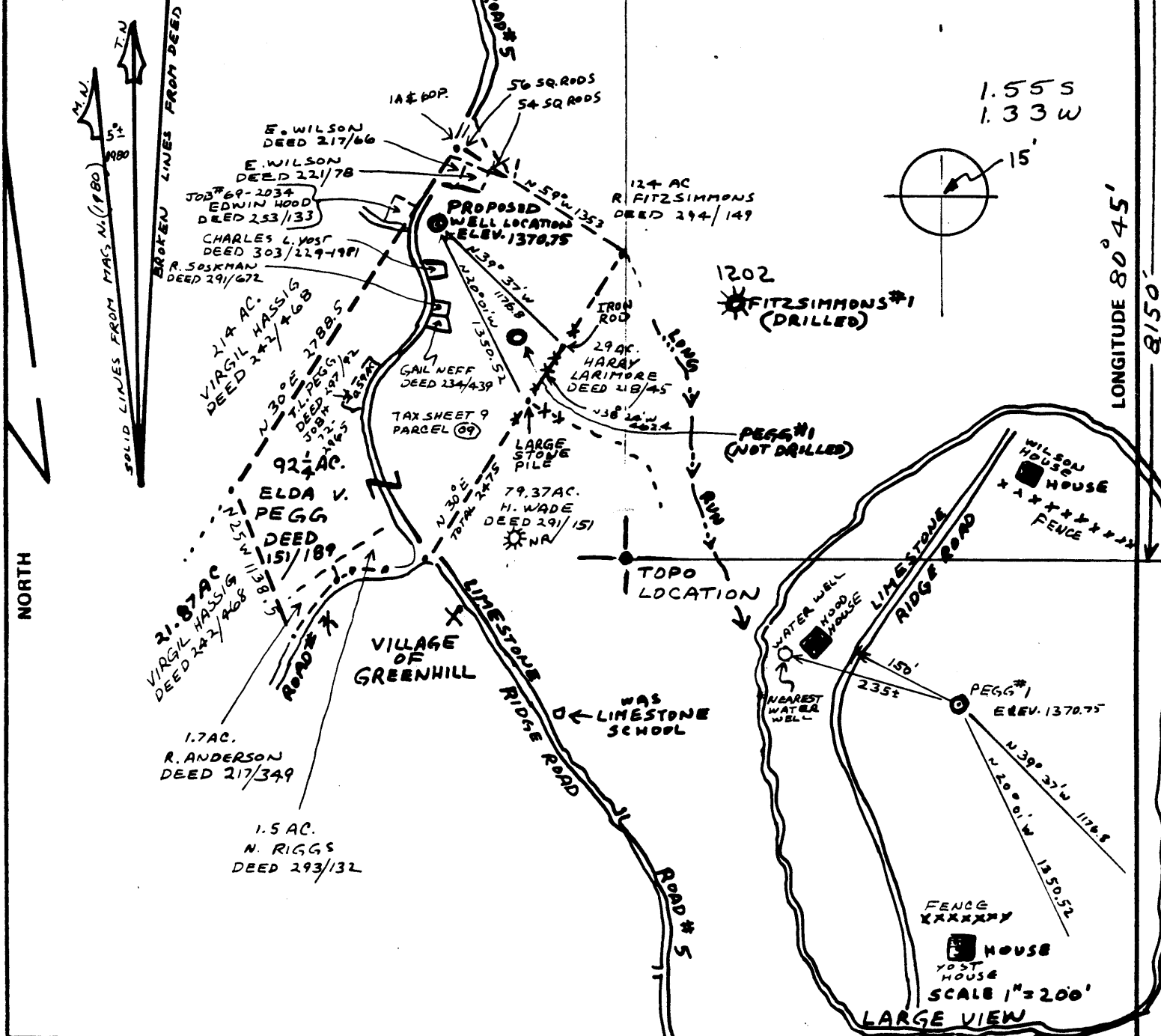
LATITUDE 39°40'

1.55 S  
1.33 W



LONGITUDE 80°45'

NORTH



FILE NO. 80-5749  
 DRAWING NO. 80-5749-N  
 SCALE 1" = 1000' 1" = 200'  
 MINIMUM DEGREE OF ACCURACY 1 IN 2500  
 PROVEN SOURCE OF ELEVATION 1304 B.M. ON FRIENDSHIP RIDGE ON NEW MARTINSVILLE TOPO MAP (7.5')

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) Henry M. Parsons  
 R.P.E. \_\_\_\_\_ L.L.S. # 98



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)



DATE JUNE 17, 1982  
 OPERATOR'S WELL NO. PEGG #2  
 API WELL NO. 47-103-1267  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_\_\_ STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_  
 LOCATION: ELEVATION 1370 3/4 WATER SHED LONG RUN  
 DISTRICT MAGNOLIA COUNTY WETZEL  
 QUADRANGLE NEW MARTINSVILLE 7 1/2 + 15' EC  
 SURFACE OWNER THOMAS A. & ELDA V PEGG ACREAGE 94  
 OIL & GAS ROYALTY OWNER THOMAS A & ELDA V PEGG LEASE ACREAGE 94  
 LEASE NO. 78  
 PROPOSED WORK: DRILL  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 \_\_\_\_\_  
 TARGET FORMATION WARREN ESTIMATED DEPTH 3900' G-6 unnamed (G) NOV 8 1982  
 WELL OPERATOR Inverness Petroleum Inc DESIGNATED AGENT Otis L. O'Connor  
 ADDRESS 1410,500-4 Ave S.W Calgary Alberta ADDRESS P.O. Box 1588, Charleston, WV 25326  
Canada T2P 2Y6

IV-35  
(Rev 8-81)



Date September 1, 1983

**RECEIVED**  
SEP 6 - 1983  
OIL & GAS DIVISION  
DEPT. OF MINES

**State of West Virginia**  
Department of Mines  
Oil and Gas Division

Operator's  
Well No. #2  
Farm Pegg  
API No. 47 - 103 - 1267

WELL OPERATOR'S REPORT  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil     / Gas X / Liquid Injection     / Waste Disposal     /  
(If "Gas," Production X / Underground Storage     / Deep     / Shallow X /)

LOCATION: Elevation: 1370.75 Watershed Long Run  
District: Magnolia County Wetzel Quadrangle New Martinsville 7.5'

COMPANY Haddad and Brooks, Inc.  
ADDRESS 905 Washington Rd., Washington, PA 15301  
DESIGNATED AGENT Henry M. Parsons  
ADDRESS 121 Glenview Dr., N. Martinsville, WV 26155  
SURFACE OWNER Thomas A. & Elda V. Pegg  
ADDRESS Limestone Ridge, N. Martinsville, WV 26155  
MINERAL RIGHTS OWNER Thomas A. & Elda V. Pegg  
ADDRESS Same  
OIL AND GAS INSPECTOR FOR THIS WORK  
R. A. Lowther ADDRESS Middlebourne, WV 26149  
PERMIT ISSUED August, 1982  
DRILLING COMMENCED 12-9-82  
DRILLING COMPLETED 1-3-83

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 11 20-16 3/4 Cond.	45'	Pulled	
13-10"			
9 5/8			
8 5/8	1204'	1204'	125 sx 1 1/2" 100 sx Neat with 4% CaCl
7			
5 1/2			
4 1/2	3210'	3210'	200 sx 50/50 Poz 100 sx 12-3 Thix.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Warren Depth 3900 feet  
Depth of completed well 3230 feet Rotary X / Cable Tools      
Water strata depth: Fresh Unknown feet; Salt Unknown feet Drilled with fluid.  
Coal seam depths: 1126 (pgh. Coal) Is coal being mined in the area? No

OPEN FLOW DATA  
Producing formation Comingled Big Injun, Weir, Berea Pay zone depth 2400-2425 2684-2698 2878-2883 feet  
Gas: Initial open flow N/A Mcf/d Oil: Initial open flow 0 Bbl/d  
Final open flow 176 Mcf/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 1 hours  
Static rock pressure 925 psig (surface measurement) after 3 days hours shut in  
(If applicable due to multiple completion--)  
Second producing formation     Pay zone depth     feet  
Gas: Initial open flow     Mcf/d Oil: Initial open flow     Bbl/d  
Final open flow     Mcf/d Oil: Final open flow     Bbl/d  
Time of open flow between initial and final tests     hours  
Static rock pressure     psig (surface measurement) after     hours shut in

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

Perforations: 6 holes in Berea from 2878-2883, 9 holes in Weir from 2684-2698,  
11 holes in Big Injun from 2400-2425.

Fractured with 1470 barrels of treated water, 10,000# 80/100 sand, 38,500# of 20/40 sand. ATP 3360 psi. ATR 26 BPM. ISIP 1860 psi.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Undifferentiated	SS and SH		0	2198'	Pittsburgh Coal @ 1126'
Little Lime	Gy	H	2198'	2212'	
Pencil Cave	Dk Gy	S	2212'	2223'	
Greenbrier	Tan	H	2223'	2278'	
Keener	Lt Gy	H-S	2278'	2324'	
Shale	Gy	S	2324'	2384'	
Big Injun	Wt-Gy	H	2384'	2526'	SG
Shale & Slst	Gy-Gn	S	2526'	2630'	
Weir	Wy-Gy	H	2630'	2743'	SG
Shale & Slst	Gy	S	2743'	2878'	
Berea	Lt Bn.	H	2878'	2904'	SG
Shale and Slst	Gy-Bn.	S	2904'	3082'	
<u>Thirty Foot</u>	Wt-Gy	M	3082'	3088'	SG
Shale and Slst	Gy	S	3088'	3230'	TD

All depths measured from G.L.

(Attach separate sheets as necessary)

Haddad & Brooks, Inc.  
Well Operator

By: Carl A. Boe

Date: Carl A. Boe September 1, 1983

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."

(Obverse)

(Revised 3-81)



Farm Pegg  
API # 47 - 103 - 1267  
Date \_\_\_\_\_

STATE OF WEST VIRGINIA  
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil \_\_\_ / Gas X /

(If "Gas", Production X / Underground storage \_\_\_ / Deep \_\_\_ / Shallow X /

LOCATION: Elevation: 1370.75' Watershed: Long Run  
District: Magnolia County: Wetzel Quadrangle: New Martinsville 7.5 min.

WELL OPERATOR Inverness Petroleum, Inc.  
Address Suite 1410, 500 4th Ave., SW  
Calgary, Alberta, Canada T2P 2V6

DESIGNATED AGENT Otis L. O'Connor  
Address P. O. Box 1588  
Charleston, WV 25326

OIL AND GAS  
ROYALTY OWNER Thomas A. and Elda V. Pegg  
Address Limestone Ridge  
New Martinsville, WV 26155  
Acreage 94

COAL OPERATOR \_\_\_\_\_  
Address \_\_\_\_\_

SURFACE OWNER Thomas A. and Elda V. Pegg  
Address Limestone Ridge  
New Martinsville, WV 26155  
Acreage 94

COAL OWNER(S) WITH DECLARATION ON RECORD:  
NAME Consolidation Coal Company  
Address 1800 N. Washington Road  
Pittsburgh, PA 15241

NAME \_\_\_\_\_  
Address \_\_\_\_\_  
**RECEIVED**  
AUG 10 1982

FIELD SALE (IF MADE) TO:  
NAME \_\_\_\_\_  
Address \_\_\_\_\_

COAL LESSEE WITH DECLARATION ON RECORD:  
NAME \_\_\_\_\_  
Address \_\_\_\_\_  
OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

OIL AND GAS INSPECTOR TO BE NOTIFIED:  
NAME Robert A. Lowther  
Address General Delivery  
Middlebourne, WV 26149  
Telephone 304-758-4764

The lease or leases on which this well is located provide for standard 1/8th royalty and not a flat royalty.

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed \_\_\_ / lease X / other contract \_\_\_ / dated March 26, 1973, to the undersigned well operator from Thomas A. and Elda V. Pegg.

(If said deed, lease, or other contract has been recorded:)

Recorded on June 5, 1973, in the office of the Clerk of County Commission of Wetzel County, West Virginia, in 54A Book at page 413. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill Deeper \_\_\_ / Redrill \_\_\_ / Fracture or stimulate X / 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 receipt of this Application by the Dept. 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 lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:  
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION  
613 WASHINGTON ST., E.  
CHARLESTON, WV 25311  
Telephone - 304/348-3092

INVERNESS PETROLEUM INC.  
Well Operator  
By: \_\_\_\_\_  
Its: 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)

Address

GEOLOGICAL TARGET FORMATION Warren
Estimated depth of completed well 3900 feet. Rotary X / Cable tools /
Approximate water strata depths: Fresh, 200, 1300 feet; salt, 1960 feet.
Approximate coal seam depths: 965, 1065
Is coal being mined in this area: Yes / No X /

CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight per ft, New, Used), FOOTAGE INTERVALS (For Drill-ling, Left in Well), CEMENT FILL-UP OR SACKS (Cubic ft.), PACKERS (Kinds, Sizes, Depths set, Perforations: 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 forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code 822-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code 822-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code 822-4-12a, and (v) if applicable, the consent required by Code 822-4-8a 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.

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 6-27-83.
BY [Signature]

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 822-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R
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 of the West Virginia Code and the governing regularions.

Date: \_\_\_\_\_, 19\_\_\_\_.

By: \_\_\_\_\_

Its: \_\_\_\_\_