

PREPARED BY MOUNTAIN STATE ENVIRONMENTAL SERVICE

FILE NO. MSES-102  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1"=1000'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
 PROVEN SOURCE OF ELEVATION USGS DISC. SOUTH END OF BRIDGE ABT. EL. 709

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) John S. Bailey  
 R. P. E. \_\_\_\_\_ L. L. S. 652

652  
 LAND SURVEY  
 PLACE SEAL HERE

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



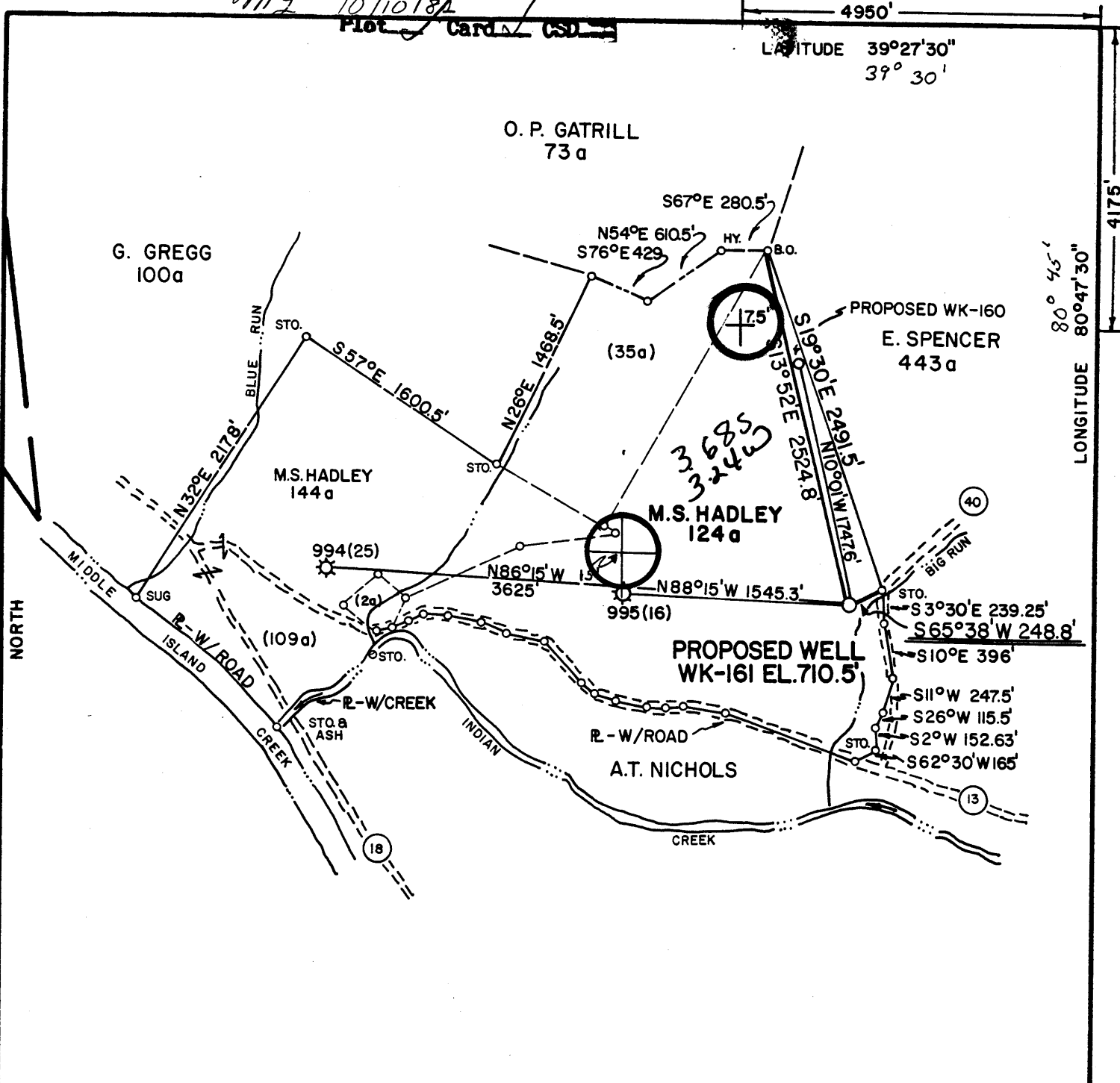
Department of Mines  
 Oil & Gas Division

DATE AUGUST 26, 19 82  
 OPERATOR'S WELL NO. WK 161  
 API WELL NO. \_\_\_\_\_  
47 - 095 - 1008  
 STATE COUNTY PERMIT

**CANCELLED**  
 DEC 12 1983

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS", PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X)  
 LOCATION: ELEVATION 710.5' WATER SHED BIG RUN  
 DISTRICT McELROY COUNTY TYLER  
 QUADRANGLE SHIRLEY 7.5 (1976)  
 SURFACE OWNER MAURINE S. HADLEY ACREAGE 129.99  
 OIL & GAS ROYALTY OWNER MAURINE S. HADLEY 1/2 & OTHERS LEASE ACREAGE 124  
 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 \_\_\_\_\_  
 TARGET FORMATION ELK ESTIMATED DEPTH 5500'  
 WELL OPERATOR KEPCO, INC DESIGNATED AGENT E.L. STUART  
 ADDRESS 436 BLVD. OF THE ALLIES ADDRESS PO. BOX 1550  
PITTSBURGH, PA. 15219 CLARKSBURG, WV. 26301

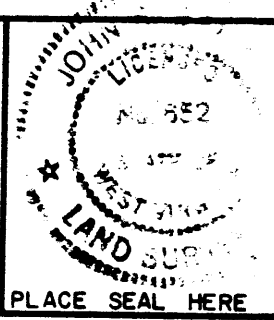
my 10/10/82 Plot Card CSD



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 (SIGNED) John S. Bailey  
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 FORM IV-6  
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 OPERATOR'S WELL NO. WK 161  
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 (IF "GAS", PRODUCTION \_\_\_\_\_ STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW X)  
 LOCATION: ELEVATION 710.5' WATER SHED BIG RUN  
 DISTRICT McELROY COUNTY TYLER  
 QUADRANGLE SHIRLEY 7.5 (1976) West Union 5' NE  
 SURFACE OWNER MAURINE S. HADLEY ACREAGE 129.99  
 OIL & GAS ROYALTY OWNER MAURINE S. HADLEY 1/2 & OTHERS LEASE ACREAGE 124  
 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 \_\_\_\_\_  
 TARGET FORMATION ELK ESTIMATED DEPTH 5500'  
 WELL OPERATOR KEPCO, INC DESIGNATED AGENT E. L. STUART  
 ADDRESS 436 BLVD. OF THE ALLIES ADDRESS P.O. BOX 1550  
PITTSBURGH, PA. 15219 CLARKSBURG, WV. 26301

OCT 18 1982



Date: August 26, 19 82

Operator's Well No. WK-161

API Well No. 47 - 095 1008

State County Permit

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

WELL TYPE: Oil      / Gas X /  
(If "Gas", Production X / Underground storage      / Deep      / Shallow X /)

LOCATION: Elevation: 710.5 Watershed: Big Run  
District: McElroy County: Tyler Quadrangle: Shirley 7.5 min.

WELL OPERATOR KEPCO, Inc. DESIGNATED AGENT KEPCO, Inc.  
Address 436 Blvd. of the Allies Address E. L. Stuart  
Pittsburgh, PA 15219 P.O. Box 1550; Clarksburg, WV 26301

OIL & GAS ROYALTY OWNER Maurine S. Hadley and  
Address Berry Lou Robinson, Agent for others  
Middlebourne, WV 26149  
Acreage 124.0

COAL OPERATOR       
Address     

SURFACE OWNER Maurine S. Hadley  
Address Middlebourne, WV 26149  
Acreage 129.00

COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name Maurine S. Hadley  
Address Middlebourne, WV 26149  
Name       
Address     

FIELD SALE (IF MADE) TO:  
Address Unknown at this time

COAL LESSEE WITH DECLARATION ON RECORD:  
Name       
Address     

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Phillip Tracy  
Address Route 23  
Alma, WV 26320

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed X / lease       
other contract      / dated April 10, 19 81, to the undersigned well operator from Philadelphia  
Oil Company  
(If said deed, lease, or other contract has been recorded:)  
Recorded on April, 19 81, in the office of the Clerk of the County Commission of Tyler County, West  
Va., in Deed Book 226 at page 380. A permit is requested as follows:

PROPOSED WORK: Drill X / 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.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:  
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION  
1615 WASHINGTON STREET EAST  
CHARLESTON, WV 25311  
TELEPHONE: (304) 348-3092

**RECEIVED**  
OCT 08 1982  
OIL & GAS DIVISION  
DEPT. OF MINES  
BLANKET BOND

KEPCO, Inc.  
Well Operator  
By [Signature]  
Its Operations Manager

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:  
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Unknown at this time

Address \_\_\_\_\_

GEOLOGICAL TARGET FORMATION, Elk

Estimated depth of completed well, 5500 feet Rotary X / Cable tools \_\_\_\_\_ /

Approximate water strata depths: Fresh, -- feet; salt, 1939 feet.

Approximate coal seam depths: 289' and 489' Is coal being mined in the area? Yes \_\_\_\_\_ / No X /

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	1-3/4"	H-40	42#		X	30	30		Kinds
Fresh Water									
Coal									Sizes
Intermediate	8-5/8"	J-55	23#	X		1100	1100	Circulate	
Production	4-1/2"	J-55	10.5#	X			5400	450 Sk	Depths set <u>15' required</u>
Tubing								by Rule	15.01
Liners									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 § 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.

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 10-12-83.  
BY [Signature]

*[Handwritten 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 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

The undersigned coal operator \_\_\_\_\_ / owner X / 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 regulations.

Date: September 9, 19 82  
By Maurine S. Hadley  
Its Owner