



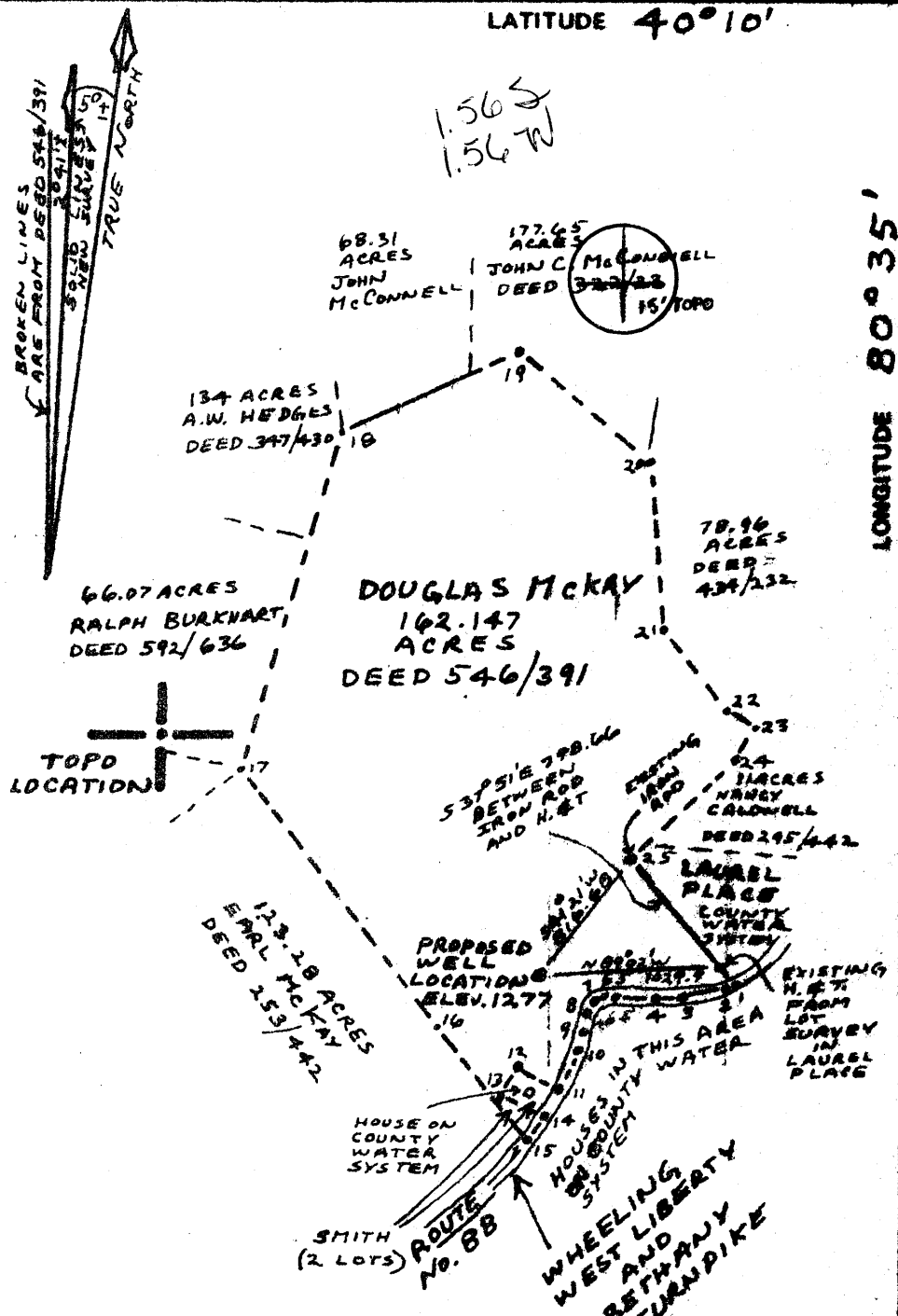
40 31180

1-2	S 70° 00' W	30.34
2-3	S 80° 32' W	279.42
3-4	S 82° 46' W	128.98
4-5	N 88° 18' W	217.21
5-6	S 77° 47' W	75.0
6-7	S 48° 39' W	53.83
7-8	S 22° 12' W	56.09
8-9	S 9° 34' W	105.77
9-10	S 21° 46' W	99.41
10-11	S 27° 30' W	247.56
11-12	N 62° 30' W	250.00
12-13	S 27° 30' W	174.20
13-14	S 62° 30' E	250.00
14-15	S 27° 30' W	164.0
15-16	N 38° 11' W	828.34
16-17	N 37° 42' W	1791.74
17-18	N 16° 32' E	1963.52
18-19	N 66° 05' E	1072.44
19-20	S 50° 22' E	942.61
20-21	S 2° 55' E	962.16
21-22	S 39° 02' E	486.15
22-23	S 56° 21' E	182.79
23-24	S 28° 00' W	242.29
24-25	S 46° 47' W	764.64
25-1	S 40° 32' E	932.27

NORTH

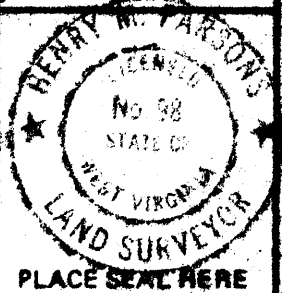
LATITUDE 40° 10'

LONGITUDE 80° 35'



FILE NO. 80-5619-A  
 DRAWING NO. 80-5619-A  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 IN 10,000  
 PROVEN SOURCE OF ELEVATION HILLTOP 1319 ON BETHANY TOPO MAP

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 FEB 22, 1980  
 OPERATOR'S WELL NO. McKAY #1  
 API WELL NO. \_\_\_\_\_  
47 - 069 - 0029  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1277 WATER SHED SHORT RUN  
 DISTRICT LIBERTY COUNTY OHIO  
 QUADRANGLE BETHANY WHEELING 15' C  
 SURFACE OWNER DOUGLAS MCKAY ACREAGE 162.147  
 OIL & GAS ROYALTY OWNER SAME LEASE ACREAGE 162.147  
 LEASE NO. 19  
 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 WARREN ESTIMATED DEPTH 3500  
 WELL OPERATOR AND BROOKS, INC DESIGNATED AGENT \_\_\_\_\_  
 ADDRESS 905 WASHINGTON ROAD ADDRESS \_\_\_\_\_  
WASHINGTON, PA. 15317

[68-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. No. 1 E.D. McKay

API Well No. 47 - 069 - 0029  
State County Permit

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

LOCATION: Elevation: 1277 Watershed: Short Run  
District: Liberty County: Ohio Quadrangle: Bethany (1:24,000)

WELL OPERATOR Haddad & Brooks, Inc.  
Address 905 Washington Road  
Washington, PA 15301

DESIGNATED AGENT Henry Parsons  
Address 121 Glenville Drive  
New Martinsville, WV 26155

OIL & GAS ROYALTY OWNER E. Douglas McKay  
Address 17 Hamilton Avenue  
Wheeling, WV 26003

COAL OPERATOR Windsor Power House Coal Company  
Address Short Creek  
Wheeling, WV 26003

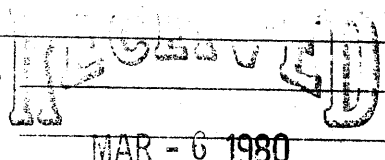
ACREAGE 162.147  
SURFACE OWNER Same  
Address       
ACREAGE     

COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name E. Douglas McKay (surface coal)  
Address 17 Hamilton Avenue  
Wheeling, WV 26003

FIELD SALE (IF MADE) TO:  
Name       
Address     

Name Windsor Power House Coal Company  
Address Short Creek (subsurface coal)  
Wheeling, WV 26003

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Phillip Tracy  
Address Middlebourne, WV 26149  
304-758-4573

COAL LESSEE WITH DECLARATION ON RECORD:  
Name       
Address       


OIL & GAS DIVISION  
DEPT. OF MINES

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 July 11, 1979, to the undersigned well operator from E. Douglas McKay

[If said deed, lease, or other contract has been recorded:]

recorded on July 30, 1979, in the office of the Clerk of the County Commission of Ohio County, West Virginia, in Deed Book 591 at page 155. 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 PHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION  
15 WASHINGTON STREET EAST  
CHARLESTON, WV 25311

Haddad & Brooks, Inc.  
Well Operator

By SK Brooks  
Its Vice President

BLANKET BOND

[08-78]

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:  
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-38 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Union Drilling Company  
Address P. O. Box 345  
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Warren

Estimated depth of completed well, 3500 feet Rotary X / Cable tool       
Approximate water strata depths: Fresh, 50 feet; salt, 1700 feet.  
Approximate coal seam depths: 490 (Pgh) Is coal being mined in the area: Yes X / No     

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	REMARKS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	11 <sup>3</sup> / <sub>4</sub>		42#		X	60'	60'		Kinds
Fresh water									
Coal	8 <sup>5</sup> / <sub>8</sub>		22#	X		950'	950'	Cemented to surface	Sizes
Intermediate									
Production Tubing	4 <sup>1</sup> / <sub>2</sub>	K55	9.5	X		3500'	3500'	Cemented as needed	Depths set
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 drilling 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 **THIS PERMIT MUST BE POSTED AT THE WELL SITE** connection therewith.

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 11-20-80.

*[Signature]*

Deputy Director - Oil & Gas Division

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:

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 regulations.

By \_\_\_\_\_  
Date \_\_\_\_\_