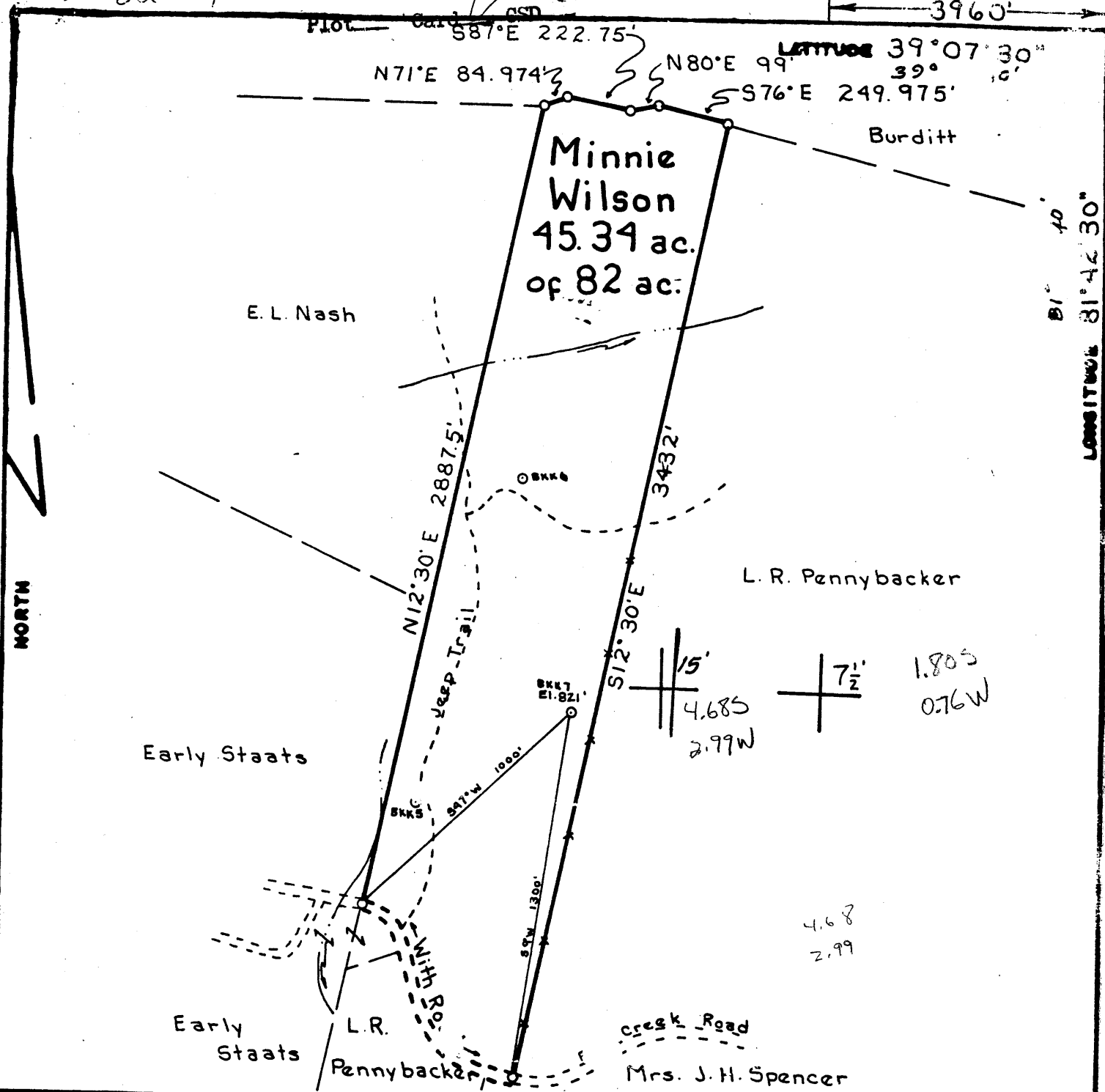


Ch 8/15

3960'



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION Road Int. 592'

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) William P. [Signature]
 R.P.E. _____ L.L.S. 551

PLACE SEAL HERE

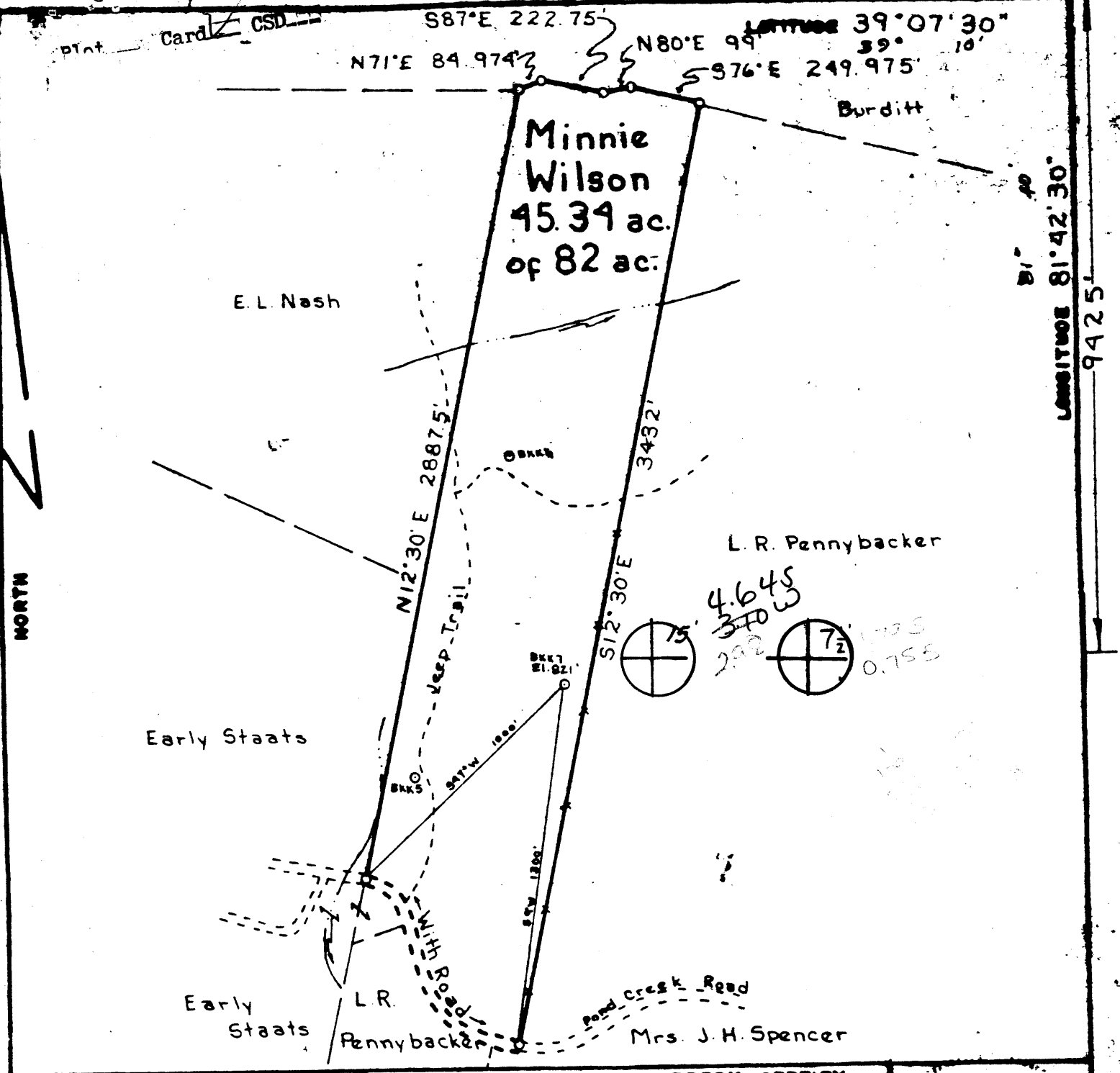
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6
 (8-78)



DATE 14 May 19 81
 OPERATOR'S WELL NO BKK-7
 API WELL NO. 47-107
 STATE COUNTY Belleville 009 PERMIT 1163-PP

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 821' WATER SHED Short Run
 DISTRICT Harris 2 553 COUNTY Wood Belleville 009
 QUADRANGLE Pond Creek, W.Va. 7 1/2 Quad.
 SURFACE OWNER Early M. Staats ACREAGE 45.34
 OIL & GAS ROYALTY OWNER Minnie Wilson LEASE ACREAGE 82
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUS OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUS AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION Shale ESTIMATED DEPTH 5900' SEP 1 1981
 WELL OPERATOR BKK Prospecting DESIGNATED AGENT John Graham
 ADDRESS 45 North Road ADDRESS 209 2nd St.
Niles, Ohio 44446 St. Mary's W.Va 26170



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION Road Int. 592'

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) William R. [Signature]
 R.P.E. _____ L.L.S. 551

PLACE SEAL HERE

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



DATE 14 May, 1981
 OPERATOR'S WELL NO BKK-7
 API WELL NO. 47-107
 STATE COUNTY PERMIT 1163

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 821' WATER SHED Short Run
 DISTRICT Harris COUNTY Wood
 QUADRANGLE Pond Creek, W.Va. 7 1/2' Quad. Belleville W.C.
 SURFACE OWNER Early M. Staats ACRES 45.34
 OIL & GAS ROYALTY OWNER Minnie Wilson LEASE ACRES 82
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUS OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUS AND ABANDON _____ CLEAN OUT AND REPLUS _____
 TARGET FORMATION Shale ESTIMATED DEPTH 3900'
 WELL OPERATOR BKK Prospecting DESIGNATED AGENT E. John Graham
 ADDRESS 45 North Road ADDRESS 209 2nd St.
Niles, Ohio 44446 St. Mary's W. Va. 26170

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

Permanent Bridge plug set at 4300

Perforated 3588-3795 20 holes

Shale 4169-4280 12 holes 39" Diameter

Foam frac 225, BBL water 595,000 cubic feet nitrogen

Breakdown 1100 psi, treating rate-7 B/M treating pressure 1800 psi

instant shut in 800 psi

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fre and salt water, coal, oil and g
Berea sand			2144	2146	
Gordon			2396	2414	
Ohio shale			2414	4332	
Onandaga			4332	4440	
Tunoloway Anity?			4440	TD ? 4470?	
<p>RECEIVED NOV 12 1987</p> <p>DIVISION OF OIL & GAS DEPARTMENT OF ENERGY</p> <p>404 2146 813 3296 822 3796 825 3946 830 4146</p>			<p>dr/r TD on log 52.00</p>		

(Attach separate sheets as necessary)

BKK Prospecting, Ltd
Well Operator

By: Ray Love

Date: 2-21-83

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic



Well No. BKK-7
Farm Carly M Staats
API # 47-107-1163
Date _____

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

OIL AND GAS WELL PERMIT APPLICATION

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

LOCATION: Elevation: 821' Watershed: Short Run
District: Harris County: Wood Quadrangle: Pond Creek, WV

WELL OPERATOR BKK Prospecting LTD
Address 45 North Road
Niles, Ohio

DESIGNATED AGENT John Graham
Address 209 Second Street
St. Marys, WV

OIL AND GAS ROYALTY OWNER Minnie Wilson
Address Rt. 2
Belleville, WV
Acreage 82

COAL OPERATOR _____
Address _____

SURFACE OWNER Early M Staats
Address Rt. 2
Belleville, WV
Acreage 45.34

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME _____
Address _____
NAME _____
Address _____

FIELD SALE (IF MADE) TO:
NAME _____
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
NAME _____
Address _____
RECEIVED
JUN 12 1981

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME K. P. Goodnight
Address Smithville, WV 26178
Telephone 477-3660

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 May 15, 1958, to the undersigned well operator from Minnie Wilson.

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

Recorded on May 26, 1958, in the office of the Clerk of County Commission of Wood County, West Virginia, in 420 Book at page 275. 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 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 **BLANKET BOND**
1613 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

B.K.K. Prospecting, LTD
Well Operator
By: John Graham
Its: Designated Agent

(Revised 3-81)

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 Newburg
Estimated depth of completed well 5900' feet. Rotary X / Cable tools /
Approximate water strata depths: Fresh, 150' feet; salt, feet.
Approximate coal seam depths: _____
Is coal being mined in this area: Yes / No /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drill-ling	Left in Well		
Conductor	13-5/8			X			X	To surface	Kinds
Fresh water									
Coal									Sizes
Intermed.	8-5/8		20	X		250'	250	To surface	
Production Tubing	4+1/2"		10.5	X		5900'	5900	back to top	Depths set
Liners								^{570 SKS} of producing zone. of ad	Perforations:
								<i>reg'd. by</i> <i>file 15.01</i>	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 §22-4-5, (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 §22-4-3a 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 required 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, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 2-18-82.

J. J. Murray
Deputy Director - Oil & Gas Division

Survey

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 regularions.

Date: _____, 19____.

B.K.K. Prospecting, LTD

By: *John Hudson*

Its: Designated Agent