

Form TV 2
(Obverse)
(Revised 3-81)



Martin BKK 52
Farm Paul Martin
API #47 - 073 - 1439
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: 720' Watershed: Java Run
District: Union County: Pleasants Quadrangle:

WELL OPERATOR BKK Prospecting, LTD
Address 45 North Road
Niles, Ohio 44446

DESIGNATED AGENT John Graham
Address 209 Second Street
St. Marys, Wv 26170

OIL AND GAS ROYALTY OWNER Paul E. & Nancy Martin
Address 9800 Cleveland Ave. N/W
Greentown, Ohio 44630
Acreage 1.5

COAL OPERATOR
Address

SURFACE OWNER Paul E. & Nancy Martin
Address 9800 Cleveland Ave. N/W
Greentown, Ohio 44630
Acreage 1.5

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

OIL AND GAS INSPECTOR TO BE NOTIFIED:

NAME Robert Lowther
Address Middlebourne, WV 26149
Telephone 304-758-4764

RECEIVED

FEB 26 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated Feb. 6, 1982, to the undersigned well operator from Paul Martin and Nancy Martin

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

Recorded on February 17, 1982, in the office of the Clerk of County Commission of Pleasants County, West Virginia, in 172 Book at page 45. A permit is requested as follows:

PROPOSED WORK: Drill / 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 an 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
1613 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

BKK Prospecting, LTD

Well Operator

By: John Graham

Designated Agent

BLANKET BOND

(Reverse)

(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) FWA Drilling Company, Inc.
Address P.O. Box 419
Wichita Falls, Texas 76307

GEOLOGICAL TARGET FORMATION
Estimated depth of completed well 5000' feet. Rotary X/ Cable tools /
Approximate water strata depths: Fresh, 80-120 feet; salt, feet.
Approximate coal seam depths: 1300-1500
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, New, Used), FOOTAGE INTERVALS (For Drill, 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 the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed 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
ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HER
APPROVED FOR drilling. THIS PERMIT SHALL
IF OPERATIONS HAVE NOT COMMENCED BY 11-2-8
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 §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 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 the governing regularions.

Date: , 19 .

BKK Prospecting, LTD
By: [Signature]
Designated Agent

#842



IV-9
(Rev 8-81)

DATE 8 Feb 1982

WELL NO. BKK 52

API NO. 47 - 073 - 1439

State of West Virginia

Department of Mines

Oil and Gas Division

Construction & Reclamation Plan

COMPANY NAME BKK PROSPECTING, LTD.

DESIGNATED AGENT JOHN GRAHAM

ADDRESS 45 NORTH ROAD

ADDRESS 209 SECOND STREET

NILES, OHIO 44446

ST. MARYS, W.VA. 26170

Telephone (216) 652 - 5991

Telephone 684 - 7493

LANDOWNER PAUL E. MARTIN

SOIL CONS. DISTRICT UPPER OHIO

Revegetation to be carried out by JIM RENNER (Agent)

This plan has been reviewed by Upper Ohio SCD. All corrections and additions become a part of this plan:

2/16/82

(Date)

Kenneth R Mason

(SCD Agent)

ACCESS ROAD

LOCATION

Structure CROSS DRAIN (A)

Structure DIVERSION DITCH (1)

Spacing _____

Material SOIL

Page Ref. Manual 1:3

Page Ref. Manual 1:9

Structure Rip-Rap (B)

Structure Rip-Rap (2)

Spacing _____

Material ROCK STONE BRUSH

Page Ref. Manual N/A

Page Ref. Manual N/A

Structure _____ (C)

Structure RECEIVED (3)

Spacing _____

Material FEB 26 1982

Page Ref. Manual _____

Page Ref. Manual OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I

Treatment Area II

Lime _____ Tons/acre
or correct to pH 6.5

Lime _____ Tons/acre
or correct to pH 6.5

Fertilizer 500 lbs/acre
(10-20-20 or equivalent)

Fertilizer 500 lbs/acre
(10-20-20 or equivalent)

Mulch HAY 2 Tons/acre

Mulch HAY 2 Tons/acre

Seed* KY 31 FESCUE 35 lbs/acre

Seed* KY 31 FESCUE 35 lbs/acre

RED TOP 5 lbs/acre

Red Top 5 lbs/acre

_____ lbs/acre

_____ lbs/acre

_____ lbs/acre

_____ lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

PLAN PREPARED BY WILLIAM R. MOSSOR L.L.S.

ADDRESS 112 NORTH SPRING STREET

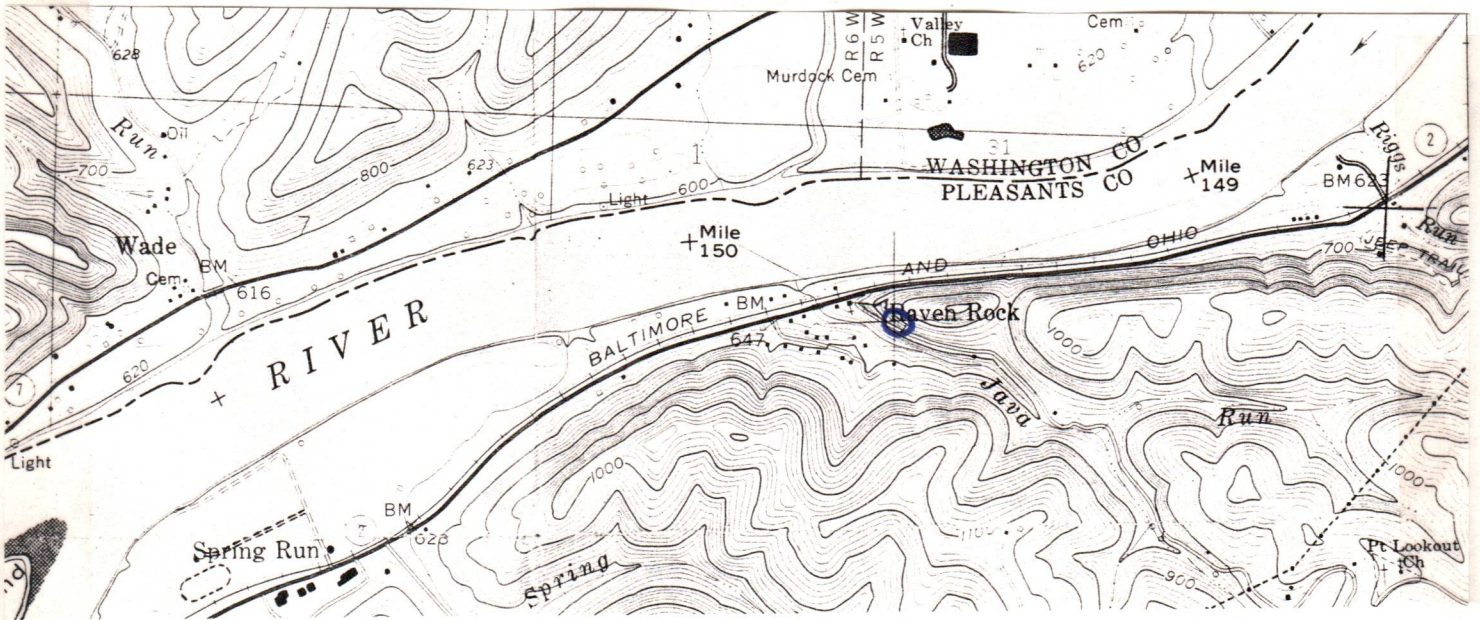
HARRISVILLE, WVA 26362

PHONE NO. (304) 643 - 4578

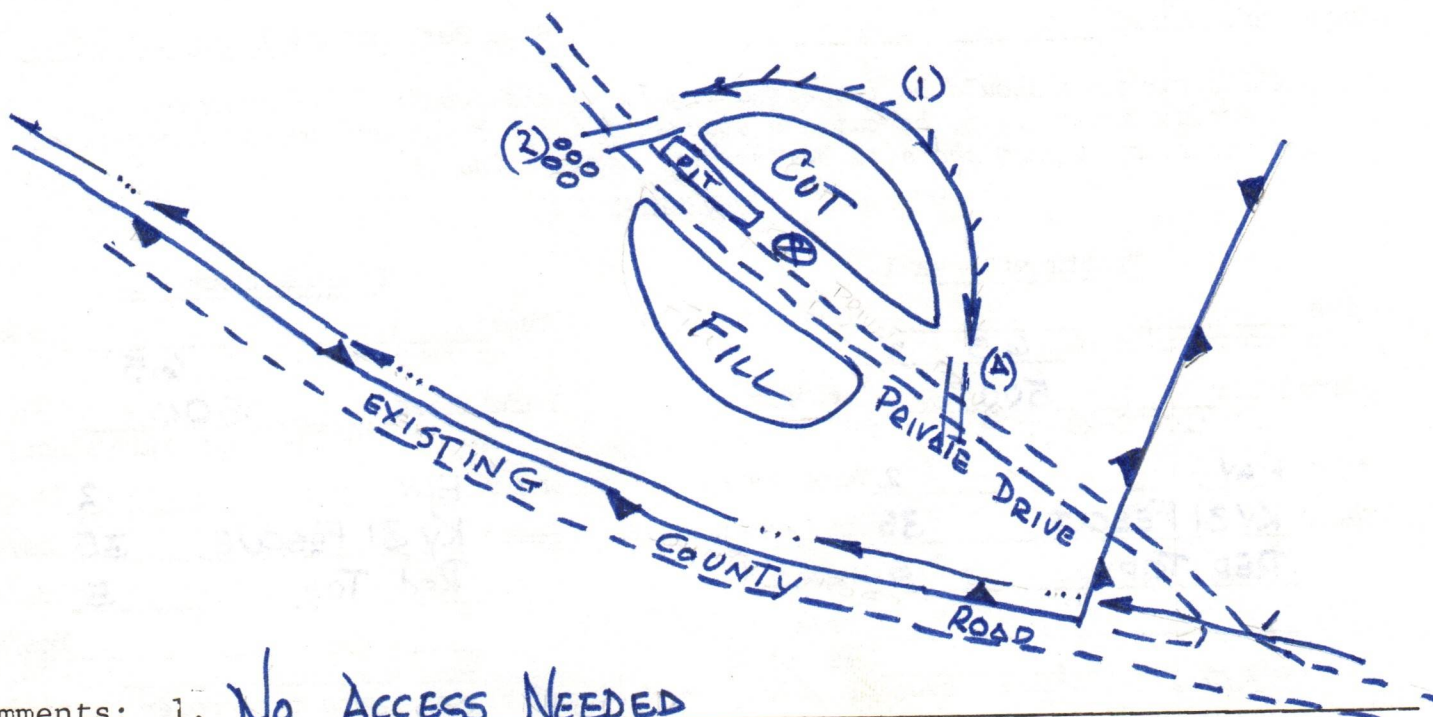
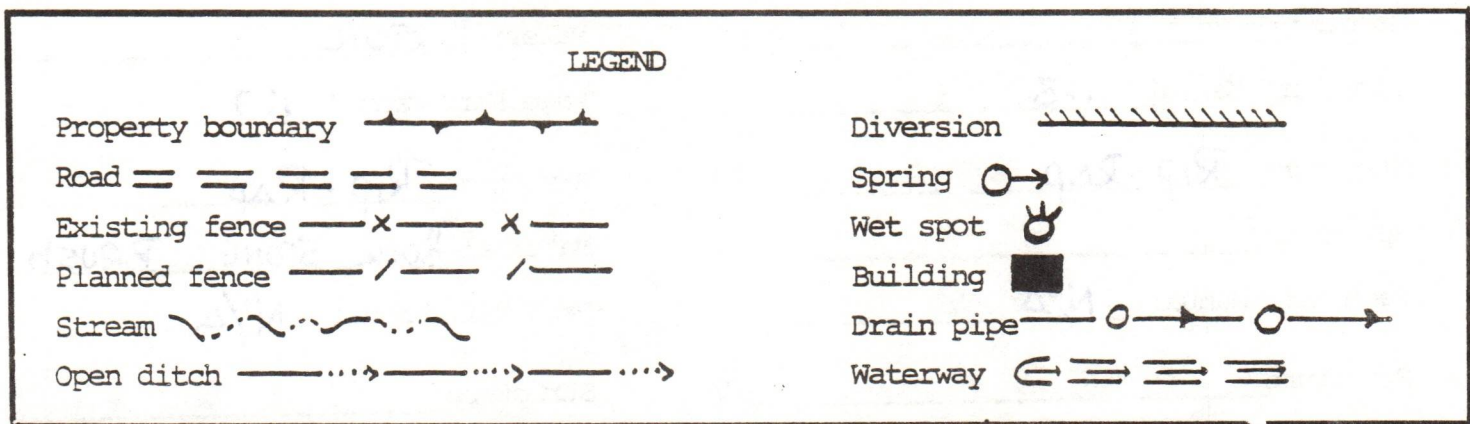
NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE **RAVEN ROCK**

LEGEND
WELL SITE ⊕ ACCESS ROAD —



Sketch to include well location, existing access road, roads to be constructed, well site, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.



- Comments:
1. NO ACCESS NEEDED
 2. BRUSH AND TREES TO BE PILED AT SITE
 3. _____
 4. _____
 5. _____



WV-55
(Rev 8-81)

State of West Virginia
Department of Mines
Oil and Gas Division

Date 2-21-83
Operator's
Well No. BKK 52
Farm Paul Martin
API No. 47-073-1439

RECEIVED

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE 2 2 1985

OIL & GAS DIVISION

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

LOCATION: Elevation: 1089 Watershed Java Run
District: Union County Pleasant Quadrangle Raven Rock

COMPANY BKK Prospecting, Ltd
ADDRESS 45 North Rd. Niles, Ohio 44446
DESIGNATED AGENT John Graham
ADDRESS 209 Second St. St. Marys W. Va.
SURFACE OWNER Paul E. Martin
ADDRESS 9800 Cleveland Ave. Greentown, Ohio
MINERAL RIGHTS OWNER Paul E. Martin
ADDRESS 9800 Cleveland Ave. Greentown, Ohio
OIL AND GAS INSPECTOR FOR THIS WORK Robert Lowther
Middlebourne ADDRESS W. Va. 26149
PERMIT ISSUED Feb. 26, 1982
DRILLING COMMENCED 4-20-82
DRILLING COMPLETED 6-28-82
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
WORKING. VEREAL PERMISSION OBTAINED

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	200'	200'	75
9 5/8			
8 5/8			
7			
5 1/2			
4 1/2		3899	200 SK
3			
2			
Liners used			

FORMATION Ohio Shale Depth 3809 feet
Depth of completed well 3899 feet Rotary / Cable Tools x
Fresh feet; Salt feet
Is coal being mined in the area?

FORMATION Ohio Shale Pay zone depth feet
Initial open flow 100 Mcf/d Oil: Initial open flow show Bbl
Final open flow 100 Mcf/d Oil: Final open flow show Bbl
Time of open flow between initial and final tests 48 hours
Surface rock pressure psig (surface measurement) after hours shut
(If applicable due to multiple completion--)
Producing formation None Pay zone depth feet
Initial open flow Mcf/d Oil: Initial open flow Bbl
Final open flow Mcf/d Oil: Final open flow Bbl
Time of open flow between initial and final tests hours
Surface rock pressure psig (surface measurement) after hours shut

PLAS-1439

(Continue on reverse side)

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

Perforated 2748-3870 30 Shots

336,000 cubic feet nitrogen, 120 BBL water foam frac.

Treating rate-7 B/M, treating pressure- 2000 PSI, instant

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fractures and salt water, coal, oil and gas
Bera sand			1930	1934	
Gordon			2304	2370	
Ohio Shale			2370	TD 3899	

(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
detailed geological record of all formations, including
minerals, encountered in the drilling of a well."

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

RECEIVED

MAY 25 1922

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 073-1439

Oil or Gas Well _____
(KIND)

Company B. K. K.
 Address Niles Ohio
 Farm Paul Martin
 Well No. BKK 52
 District Union County Pleasant
 Drilling commenced _____
 Drilling completed _____ Total depth 2367
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer
13			
10			Size of
8 1/4	<u>900</u>	800	
6 5/8	<u>1595</u>		Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Volume _____ Cu. Ft.
 Back pressure _____ lbs. _____ hrs.
 _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
 NAME OF SERVICE COMPANY _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names _____

Remarks: Bubble Gas 1206-1230 mason sand
show oil 1224 show gas 1941
show Gas 1461
" oil 1474
" " 1552

5-24-82

R.A. Lowther 512

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

RECEIVED

JUL 7 - 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 073-1439

Oil or Gas Well _____
(KIND)

Company BKK prospecting
 Address niles ohio
 Farm Paul martin
 Well No. _____
 District union County pleasant
 Drilling commenced _____
 Drilling completed 6-29-82 Total depth 3909
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 5/8			Depth set _____
5 3/16	<u>4 1/2</u>	<u>3909</u>	<u>3909</u>
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 4 1/2 SIZE 3909 No. FT. 630-82 Date

NAME OF SERVICE COMPANY Halleburston

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names _____

Remarks: _____

6-30-82

R. A. Lowther 512

RECEIVED
MAR 12 1985
OIL & GAS DIVISION
DEPT. OF MINES



State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
March 5, 1985

COMPANY BKK Prospecting, Ltd.

PERMIT NO 073-1439

45 North Road

FARM & WELL NO Pau. Martin #BKK-52

Niles, Ohio 44446

DIST. & COUNTY Union/Pleasant

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	✓	
25.04	Prepared before Drilling to Prevent Waste	✓	
25.03	High-Pressure Drilling	✓	
16.01	Required Permits at Wellsite	✓	
15.03	Adequate Fresh Water Casing	✓	
15.02	Adequate Coal Casing		
15.01	Adequate Production Casing	✓	
15.04	Adequate Cement Strenght	✓	
15.05	Cement Type	✓	
23.02	Maintained Access Roads	✓	
25.01	Necessary Equipment to Prevent Waste	✓	
23.04	Reclaimed Drilling Pits	✓	
23.05	No Surface or Underground Pollution	✓	
23.07	Requirements for Production & Gathering Pipelines	✓	
16.01	Well Records on Site	✓	
16.02	Well Records Filed	✓	
7.05	Identification Markings	✓	

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED R.A. Lowther

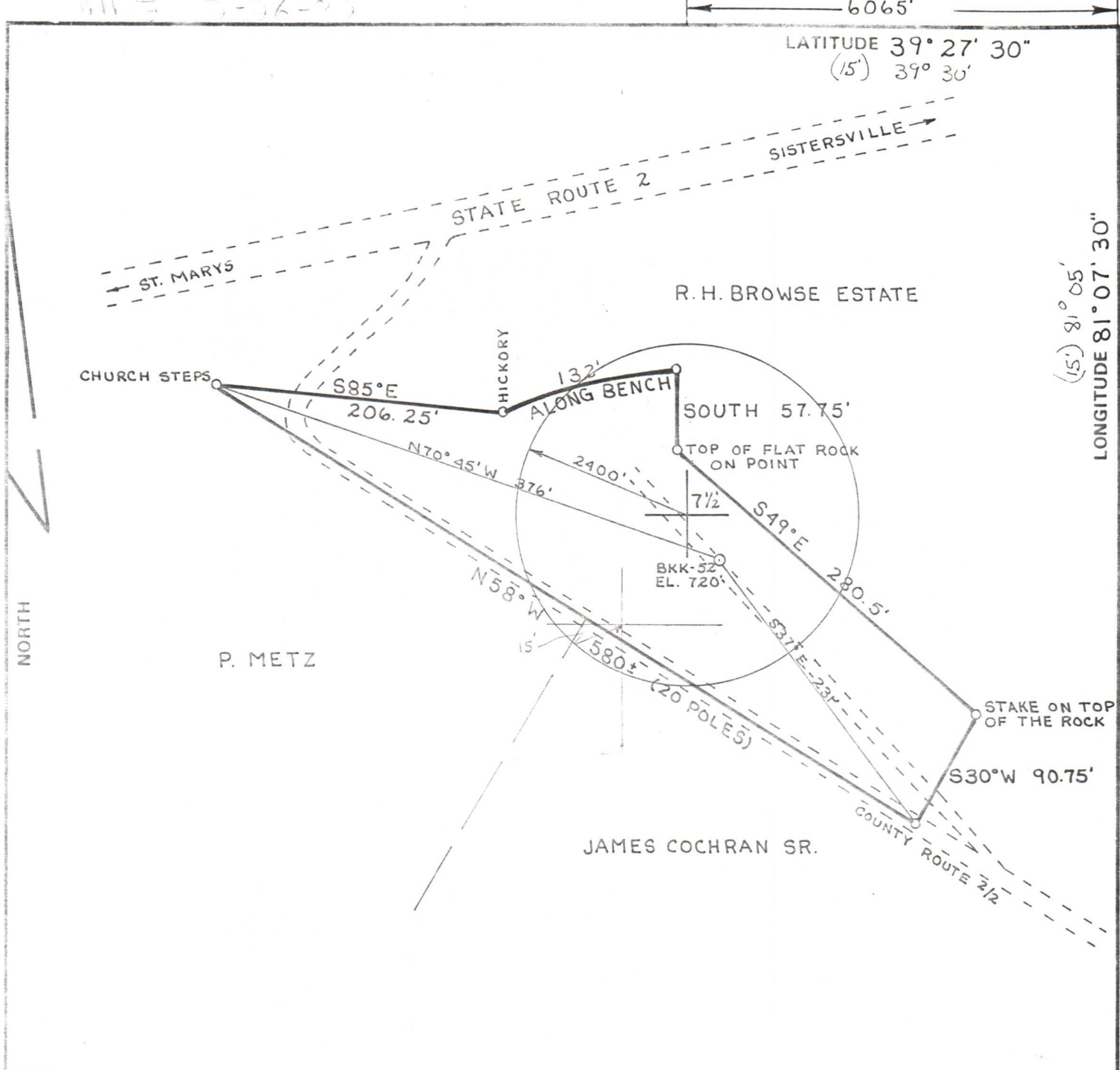
DATE Mar 8, 1985

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T.H. v. B.B.

Administrator-Oil & Gas Division
March 21, 1985

DATE _____



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 100'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION ROAD INT. 1089'

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 A. Messel
 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 8 FEBRUARY, 19 82
 OPERATOR'S WELL NO. BKK-52
 API WELL NO. _____
47 - 073 - 1439
 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 720' WATER SHED JAVA RUN
 DISTRICT UNION COUNTY PLEASANTS
 QUADRANGLE RAVEN ROCK 7 1/2' QUAD.
 SURFACE OWNER PAUL E. + NANCY J. MARTIN ACREAGE 1.5
 OIL & GAS ROYALTY OWNER PAUL E. + NANCY J. MARTIN LEASE ACREAGE 1.5
 LEASE-NO. _____
 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 OHIO SHALE ESTIMATED DEPTH 5900'
 WELL OPERATOR BKK PROSPECTING DESIGNATED AGENT JOHN GRAHAM
 ADDRESS 45 NORTH, ROAD ADDRESS 209 SECOND STREET
NILES, OHIO 44446 ST. MARYS, W. VA. 26170