



O. Cox Heirs BKK 60
Farm Omie Cox
API #47 - 073 - 1515
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: 1123' Watershed: Fishpot Run
District: Union County: Pleasants Quadrangle: Raven Rock

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 Omie Cox
Address St. Marys, WV 26170

COAL OPERATOR
Address

Acreage 32 3/4

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

SURFACE OWNER Omie Cox
Address St. Marys, WV 26170

Acreage 32 3/4

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

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OIL & GAS DIVISION

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated Aug. 17, 1981, to the undersigned well operator from Omie and Dorthy Cox Heirs

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

Recorded on August 17, 1981, in the office of the Clerk of County Commission of Pleasants County, West Virginia, in 167 Book at page 64. 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 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
1613 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

BLANKET BOND

BKK Prospecting, LTD
Well Operator

By: John Graham

Its: 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 Squaw Estimated depth of completed well 1500 feet. Rotary X / Cable tools / Approximate water strata depths: Fresh, 80-120, 373 feet; salt, 573 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 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 4-6-83. 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 .

BKK Prospecting, LTD By: [Signature] Designated Agent Its:



IV-9
(Rev 8-81)

#984

DATE 29 JULY, 1982
WELL NO. BKK 60
API NO. 47 - 073 - 1515

State of West Virginia
Department of Mines
Oil and Gas Division
Construction & Reclamation Plan

COMPANY NAME BKK PROSPECTING, LTD.
ADDRESS 45 NORTH ROAD
NILES, OHIO 44446
Telephone (216) 652-5991

DESIGNATED AGENT JOHN GRAHAM
ADDRESS 209 SECOND STREET
ST. MARYS, W.VA. 26170
Telephone (304) 684-7493

LANDOWNER OMIE COX

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: 8/3/82 (Date)

Remond R. Mason
(SCD Agent)

ACCESS ROAD

LOCATION

Structure CROSS DRAIN
Spacing 45' TO 400' (AS NEEDED)
Page Ref. Manual 2:1

(A)

Structure DIVERSION DITCH
Material SOIL
Page Ref. Manual 2:12

(1)

Structure RIP-RAP (STONE-LOGS)
Spacing SAME AS CROSS DRAIN
Page Ref. Manual N/A

(B)

Structure RIP-RAP
Material ROCK-LOGS
Page Ref. Manual N/A

(2)

Structure DRAINAGE DITCH
Spacing _____
Page Ref. Manual 2:12

(C)

Structure _____
Material _____
Page Ref. Manual AUG 04 1982

(3)

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All structures should be inspected regularly and repaired if necessary. 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.

OIL & GAS DIVISION
DEPT. OF MINES

REVEGETATION

Treatment Area I

Treatment Area II

Lime _____ Tons/acre
or correct to pH 6.5
Fertilizer 500 lbs/acre
(10-20-20 or equivalent)
Mulch HAY OR STRAW 2 Tons/acre
Seed* KY31 TALL FESCUE 40 lbs/acre
REDTOP 5 lbs/acre
BIRDSFOOT TREFOIL 10 lbs/acre
10 lbs/acre

Lime _____ Tons/acre
or correct to pH 6.5
Fertilizer 500 lbs/acre
(10-20-20 or equivalent)
Mulch HAY OR STRAW 2 Tons/acre
Seed* KY31 TALL FESCUE 40 lbs/acre
REDTOP 5 lbs/acre
BIRDSFOOT TREFOIL 10 lbs/acre
10 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 106 NORTH SPRING STREET

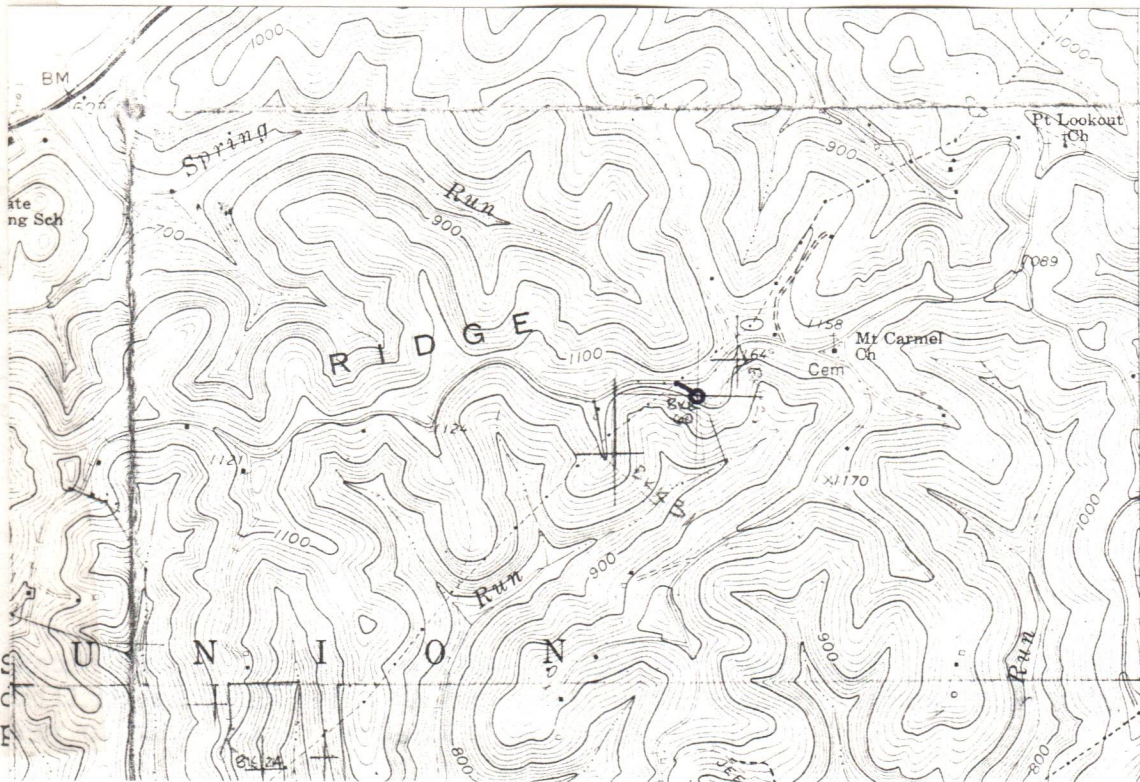
HARRISVILLE, W.VA. 26362

PHONE NO. (304) 643-4572

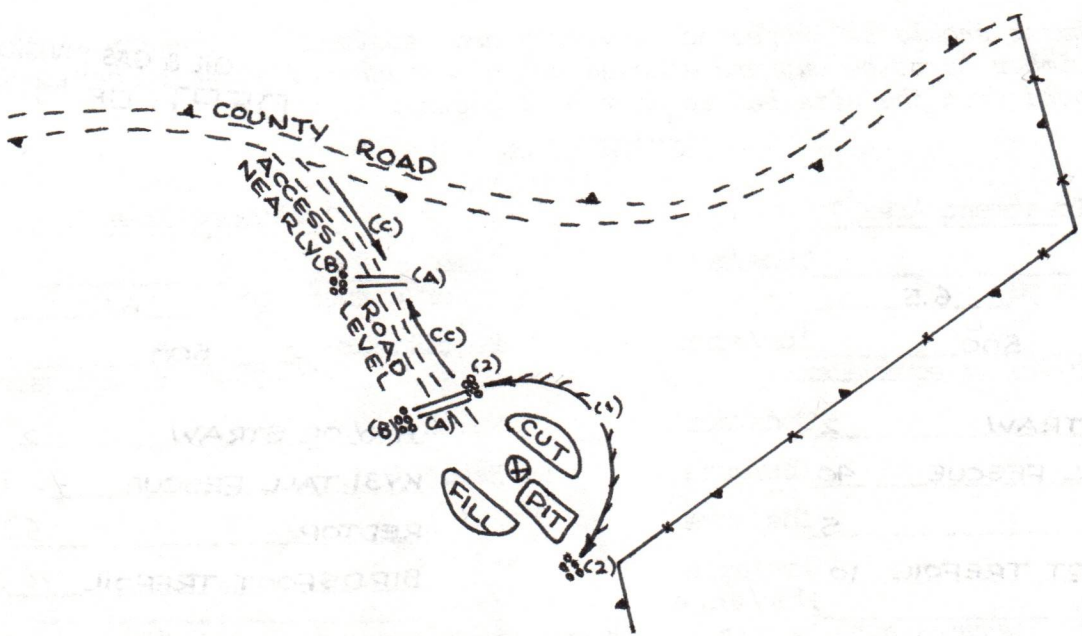
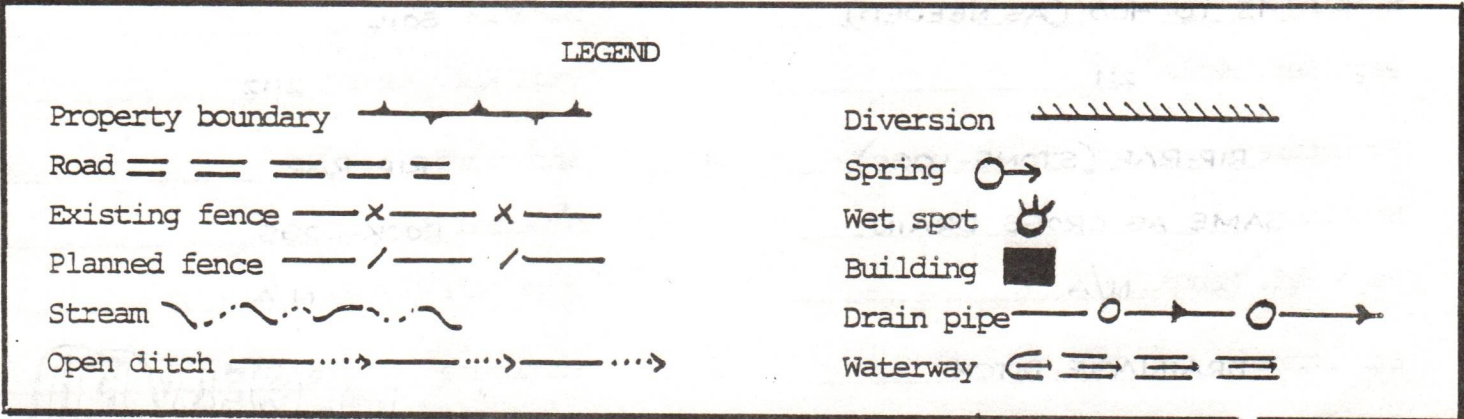
NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

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

LEGEND
WELL SITE ⊕ ACCESS ROAD —



late,
first



- Comments:
1. LENGTH OF ACCESS ROAD 300'
 2. BRUSH AND TREES TO BE PILED AT SITE, Before any earth moving
 3. _____
 4. _____
 5. _____

073-1515

AFFIDAVIT

I, John Traban (the above designated owner or operator, or authorized representative thereof) hereby verifies that the owner or owners of the mineral estate upon which this proposed well is to be located will receive minimum one-eighth (1/8) royalty payments for any gas or oil extracted therefrom. Copies of the 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, co-owners(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.

Signed: John Traban
(Owner, Operator, or Authorized Representative)

Notary Sara Lee Singleton (Signed)

My commission expires November 9, 1983

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OIL & GAS DIVISION
DEPT. OF MINES

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IV-35
(Rev 8-81)

JUN 17 1984
OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date 2-21-83
Operator's
Well No. BKK-60
Farm Omie Cox
API No. 47-073-1515

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

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

LOCATION: Elevation: 1123 G. L. Watershed Raven Rock
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 Omie Cox
ADDRESS St. Marys, W. Va.
MINERAL RIGHTS OWNER Omie Cox
ADDRESS St. Marys, W. Va.

OIL AND GAS INSPECTOR FOR THIS WORK Robert Lowther
Middlebourne ADDRESS W. Va.

PERMIT ISSUED 2-4-82
DRILLING COMMENCED 8-6-82
DRILLING COMPLETED 9-27-82

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VEREAL PERMISSION OBTAINED
ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8 J		930	surface
7			
5 1/2			
4 1/2 Q		2017	100 SKS
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Sandstone Depth 2017 feet
Depth of completed well 2017 feet Rotary / Cable Tools x
Water table depth: Fresh feet; Salt feet
Coal seam depths: Is coal being mined in the area?

TEST DATA
383
Formation Squaw Pay zone depth 1970 feet
Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow 100 Mcf/d Final open flow Show Bbl/d
Time of open flow between initial and final tests 48 hours
Static rock pressure psig (surface measurement) after hours shut in
(if applicable due to multiple completion--)
Secondary producing formation None 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

(Continue on reverse side)

073-1515

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

1922-31 5 holes

1957-63 4 holes

1978-84 4 holes

Water frac, 58000 gal. water, breakdown 2500 psi.

Treating pressure 2800 psi., treating rate 20 B/M

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fr and salt water, coal, oil and c
			1240	1570	Water
225		Maxton	1608	1641	Water
345		Greenbrier Big Lime	1763	1794	
		Keener	1806	1825	
365		Big Injun	1840	1917	Gas & Oil @1900-1916
383		Squaw	1938	1970	Gas & Oil
		Drilled TD		2010	

(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 coal, encountered in the drilling of a well."

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

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OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 073-1515

Oil or Gas Well _____
(KIND)

Company BKK prospecting
 Address niles ohio
 Farm COX
 Well No. BKK 60
 District union County pleasant
 Drilling commenced 8-9-82
 Drilling completed _____ Total depth 1767
 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	233	233	Size of _____
8 1/4	980		
6 3/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

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: _____

8-30-82
DATE

R.A. Lowther
DISTRICT WELL INSPECTOR

Form 26
2/16/82

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner	Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

_____ I hereby certify I visited the above well on this date.
DATE

DISTRICT WELL INSPECTOR



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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
July 25, 1984

COMPANY BKK Prospecting, Ltd.

PERMIT NO 073-1515 (8-6-82)

45 North Road

FARM & WELL NO Omie Cox #BKK 60

Niles, Ohio 44446

DIST. & COUNTY Union/Pleasant

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

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

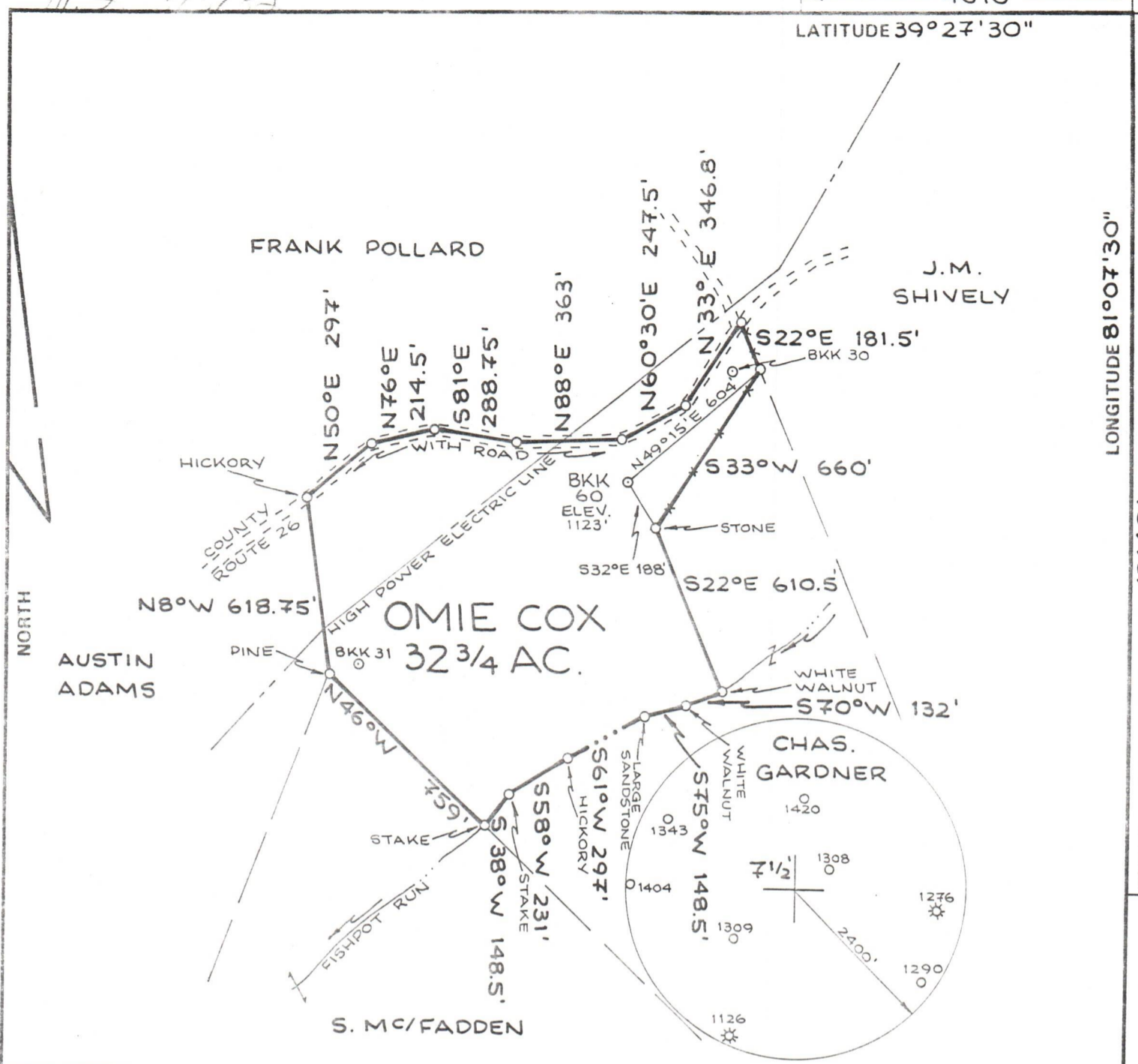
SIGNED R. A. Lowther
DATE July 31, 1984

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. L. ...
Administrator-Oil & Gas Division
September 13, 1984

TMS/chm

DATE



FILE NO. _____
 DRAWING NO. _____
 SCALE **1"=500'**
 MINIMUM DEGREE OF ACCURACY **1:200**
 PROVEN SOURCE OF ELEVATION **RD. INT. ELEV.**
1164'

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 F. Blase*
 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 **29 JULY**, 19**82**
 OPERATOR'S WELL NO. **BKK 60**
 API WELL NO. _____
47 - **073** - **1515**
 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 **1123'** WATER SHED **FISHPOT RUN**
 DISTRICT **UNION** COUNTY **PLEASANTS**
 QUADRANGLE **RAVEN ROCK 7 1/2' QUAD.**
 SURFACE OWNER **OMIE COX** ACREAGE **32 3/4**
 OIL & GAS ROYALTY OWNER **OMIE COX** LEASE ACREAGE **32 3/4**
 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 **Squa w** ESTIMATED DEPTH **1500'**
 WELL OPERATOR **BKK PROSPECTING, LTD.** DESIGNATED AGENT **JOHN GRAHAM**
 ADDRESS **45 NORTH ROAD** ADDRESS **209 SECOND STREET**
NILES, OHIO 44446 **ST. MARYS, W.VA. 26170**