



Well No. Wilson B.K.K. 34  
Farm Janice Bailey  
API # 47 - 0137 1303  
Date \_\_\_\_\_

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

RECEIVED  
SEP 4 - 1981  
OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

LOCATION: Elevation: 1046 Watershed: Wolf Run  
District: Union County: Pleasants Quadrangle: Raven Rock

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 Rosa & Audria Wilson  
Address St. Marys, WV 26170  
Acreage 54

COAL OPERATOR \_\_\_\_\_  
Address \_\_\_\_\_

SURFACE OWNER JAnice E Bailey  
Address 1/2 St. Marys, WV 26170  
Acreage 54

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 Phillip Tracy  
Address Route # 3  
Alma, West Virginia 26320  
Telephone 304-758-4573

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 19, 1981, to the undersigned well operator from James Renner.

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

Recorded on May 29, 1981, in the office of the Clerk of County Commission of Pleasants County, West Virginia, in 164 Book at page 8. 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  
1613 WASHINGTON ST., E.  
CHARLESTON, WV 25311  
Telephone - 304/348-3092

BLANKET BOND

B.K.K. Prospecting, LTD  
Well Operator  
By: John Graham  
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 Shale  
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 X /

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   |                   | 1146'          | 1146'                             | To surface     |                             |
| Production            | 4+1/2"         |       | 10.5          | X   |                   | 5900'          |                                   | 590 sks cement | Depths set                  |
| Tubing                |                |       |               |     |                   |                |                                   |                |                             |
| Liners                |                |       |               |     |                   |                |                                   |                | Perforations:<br>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 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, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 5-11-82.

Fred B. Burdette  
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 regularions.

Date:   , 19   .

B.K.K. Prospecting, LTD

By: [Signature]

Its: Designated Agent

Date 17 August 1981  
Well No. BKK-34  
API No. 47 - 073 - 1303  
State County Permit

STATE OF WEST VIRGINIA  
OFFICE OF OIL AND GAS

Company Name BKK Prospecting Designated Agent John Graham  
Address 45 North Rd., Niles, Ohio 44446 Address 209 Second St., St. Marys, W.Va. 26170  
Telephone 216-652-5991 Telephone 684-7493  
Landowner Janice E. Bailey 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. 8/28/81 (Date) James D. Mann (SCD Agent)

| Access Road            | Location                             |
|------------------------|--------------------------------------|
| Structure _____ (A)    | Structure <u>Diversion Ditch</u> (1) |
| Spacing _____          | Material <u>Soil</u>                 |
| Page Ref. Manual _____ | Page Ref. Manual <u>1:9</u>          |
| Structure _____ (B)    | Structure <u>Rip-Rap</u> (2)         |
| Spacing _____          | Material <u>Rock-Stone-Brush</u>     |
| Page Ref. Manual _____ | Page Ref. Manual <u>N/A</u>          |
| Structure _____ (C)    | Structure _____ (3)                  |
| Spacing _____          | Material _____                       |
| Page Ref. Manual _____ | Page Ref. Manual _____               |

All structures should be inspected regularly and repaired if necessary.

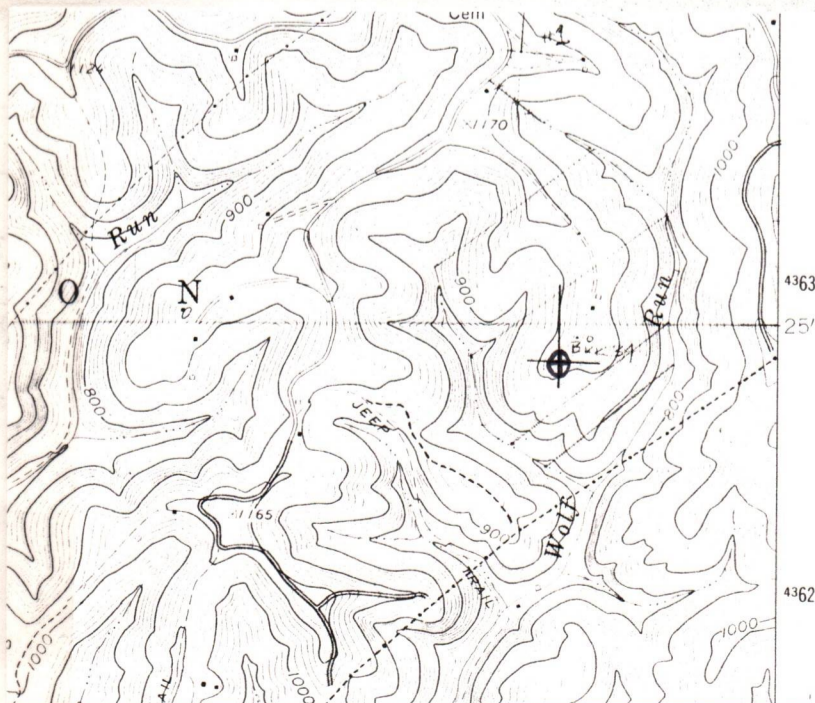
Revegetation

| Treatment Area I   | Treatment Area II  |
|--|--|
| Lime _____ Tons/acre<br>or correct to pH <u>6.5</u>        | Lime _____ Tons/Acre<br>or correct to pH <u>6.5</u>        |
| Fertilizer <u>500</u> lbs/acre<br>(10-20-20 or equivalent) | Fertilizer <u>500</u> lbs/acre<br>(10-20-20 or equivalent) |
| Mulch <u>Hay</u> <u>2</u> Tons/Acre                        | Mulch <u>Hay</u> <u>2</u> Tons/Acre                        |
| Seed* <u>KY31 Fescue</u> <u>35</u> lbs/acre                | Seed* <u>KY31 Fescue</u> <u>35</u> lbs/acre                |
| <u>Redtop</u> <u>5</u> lbs/acre                            | <u>Redtop</u> <u>5</u> lbs/acre                            |

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

Attach or photocopy section of involved Topographic map. Quadrangle Raven Rock, W.Va.

Legend:  Well Site  
 Access Road

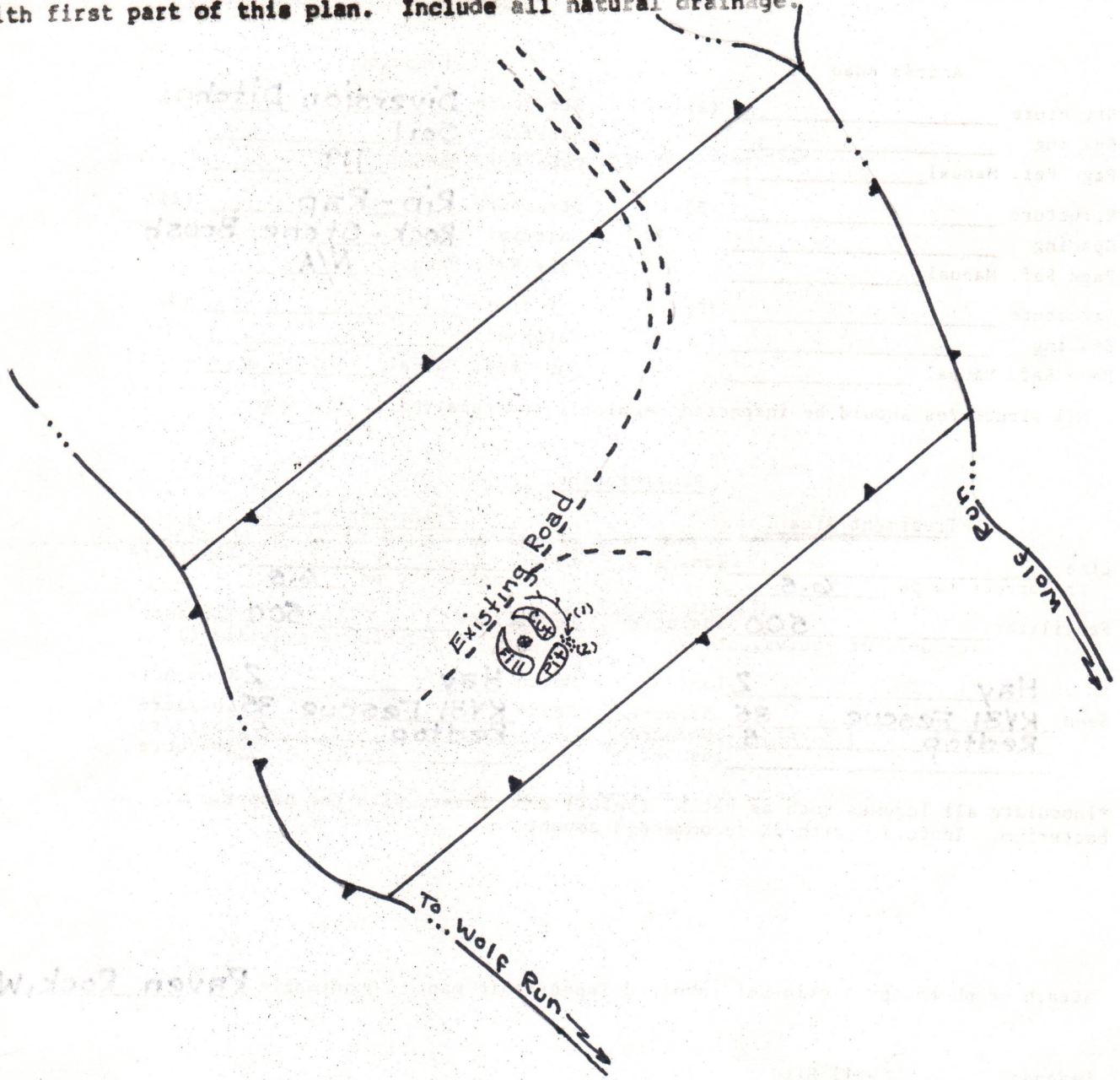


Well Site Plan

Legend: Property Boundry Road Existing Fence Planned Fence Stream Open Ditch

Diversion Spring Wet Spot Building Drain Pipe Waterway

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



Comments: (1) No Access Road Needed

(2) Brush and Trees to be Piled at Site

Signature: John Graham Agent Address: 209 Second St. St. Marys W Phone Number: 684-2448 office  
684-7493 Home

Please request landowners cooperation to protect new seeding for one growing season.

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JUN 13 1984



IV-35 (Rev 8-81)

OIL & GAS DIVISION

RECEIVED

OCT 11 1984

State of West Virginia

Department of Mines  
Oil and Gas Division

Date \_\_\_\_\_  
Operator's Well No. BKK 34  
Farm Janice Bailey  
API No. 47 - 073 - 1303

OIL & GAS DIVISION  
DEPT. OF MINES  
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 X / Underground Storage    / Deep    / Shallow X /)

LOCATION: Elevation: 1046 Watershed Wolf Run  
District: Union County Pleasants Quadrangle Raven Rock

COMPANY BKK Prospecting, LTD  
ADDRESS 45 North Road, Niles, Ohio 44446

DESIGNATED AGENT John Graham  
ADDRESS 209 Second St. St. Marys, WV 26170

SURFACE OWNER Janice E. Bailey  
ADDRESS St. Marys, WV 26170

MINERAL RIGHTS OWNER Rosa & Audria Wilson  
ADDRESS St. Marys, WV 26170

OIL AND GAS INSPECTOR FOR THIS WORK  
Robert Lowther ADDRESS Middlebourne, WV 26149

PERMIT ISSUED Sept. 4, 1982

DRILLING COMMENCED 10/11/81

DRILLING COMPLETED 11/30/81

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

| Casing Tubing Size | Used in Drilling | Left in Well | Cement fill up Cu. ft. |
|--------------------|------------------|--------------|------------------------|
| 20-16 Cond.        |                  |              |                        |
| 13-10"             |                  |              |                        |
| 9 5/8              |                  |              |                        |
| 8 5/8              | 1099             | 1099         | surface                |
| 7                  |                  |              |                        |
| 5 1/2              | 1995             | 1995         | SURFACE                |
| 4 1/2              |                  |              |                        |
| 3                  |                  |              |                        |
| 2                  |                  |              |                        |
| Liners used        |                  |              |                        |

GEOLOGICAL TARGET FORMATION Squaw Depth 2000 feet

Depth of completed well 2047 feet Rotary    / Cable Tools X

Water strata depth: Fresh 36 feet; Salt 820 feet

Coal seam depths: none Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Squaw Pay zone depth 1950 feet

Gas: Initial open flow 20 Mcf/d Oil: Initial open flow 2 Bbl/d

Final open flow 20 Mcf/d Final open flow 2 Bbl/d

Time of open flow between initial and final tests    hours

Static rock pressure 300 psig (surface measurement) after 72 hours shut in

(If applicable due to multiple completion--)

Second producing formation Little Lime Pay zone depth 1715 feet

Gas: Initial open flow 30 Mcf/d Oil: Initial open flow 2 Bbl/d

Final open flow 10 Mcf/d Oil: Final open flow 1 Bbl/d

Time of open flow between initial and final tests 72 hours

Static rock pressure 300 psig (surface measurement) after 72 hours shut in

(Continue on reverse side)

PLEASANTS 1303

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

Perforated 1941, 1988 (19holes)  
 1712, 1720 (10holes)  
 Water frac 1941, 1988 w/ 4800 gal. water, 30,000 # sand  
 acidized 1712, 1720, w/1500 gal.

WELL LOG

| FORMATION                             | COLOR           | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS   |
|---------------------------------------|-----------------|--------------|----------|-------------|---|
|                                       |                 |              |          |             | Including indication of all fres and salt water, coal, oil and ga |
| surface                               |                 |              | 0        | 15          |   |
| rock                                  | red             | soft         | 15       | 40          |   |
| lime                                  | light           | solid        | 40       | 50          |   |
| rock                                  | red             | med.         | 50       | 118         |   |
| limey                                 |                 | solid        | 121      | 143         |   |
| lime                                  |                 | hard         | 143      | 148         |   |
| slate                                 | gray            | med.         | 148      | 245         |   |
| rock                                  | red             | soft         | 245      | 255         |   |
| rock                                  | red with shells |              | 255      | 275         |   |
| slate                                 | light           | med.         | 295      | 308         |   |
| rock                                  | red             | med.         | 308      | 345         |   |
| slate                                 | white           |              | 345      | 400         |   |
| slate                                 |                 | solid        | 400      | 452         |   |
| slate                                 | black           | med.         | 452      | 455         |   |
| slate                                 | gray            | med.         | 455      | 485         |   |
| rock                                  | pink            | soft         | 485      | 528         |   |
| rock                                  | red             | soft         | 528      | 555         |   |
| slate                                 | light           | solid        | 555      | 565         |   |
| sand                                  | blue            | med.         | 565      | 580         |   |
| slate                                 | gray            | med.         | 580      | 600         |   |
| slate                                 | black           | soft         | 600      | 610         |   |
| slate                                 | gray            | med.         | 610      | 695         |   |
| slate                                 | green           | med.         | 695      | 750         |   |
| sand                                  | gray            | med.         | 750      | 848         | 1 st salt sand water 820 ft.                                      |
| slate                                 | dark            | med.         | 848      | 903         |   |
| lime                                  | light           | solid        | 903      | 995         |   |
| sand                                  | light           | med.         | 995      | 1007        |   |
| shale                                 | dark            | solid        | 1007     | 1060        |   |
| limey                                 | light           | solid        | 1060     | 1075        |   |
| salt sand                             | light           | med.         | 1075     | 1112        | 3rd salt sand   |
| shale                                 | dark            | solid        | 1112     | 1248        |   |
| sand                                  | light           | med.         | 1248     | 1285        | maxon sand  |
| sand and slate                        | gray            | med.         | 1285     | 1295        |   |
| lime sand                             | light           | med.         | 1295     | 1367        |   |
| sand                                  | blue            | med.         | 1367     | 1406        |   |
| slate                                 | black           | soft         | 1406     | 1408        |   |
| sand                                  | light           | solid        | 1408     | 1575        |   |
| Squaw sand                            | grey            | med.         | 1575     | 1664        |   |
| shale                                 | grey            | med.         | 1664     | 1898        |   |
| SAND                                  | grey            | med.         | 1898     | 1904        |   |
| (Attach separate sheets as necessary) |                 |              |          |             |   |
| Shale                                 | grey            | med.         | 1904     | 2016        |   |
| SAND                                  | light           | med.         | 2016     | 2027        |   |
| SAND                                  | grey            | med.         | 2027     | 2047        |   |

BKK Prospecting, LTD

Well Operator

By: John Graham John Graham-Designated Agent

Date: \_\_\_\_\_

Note: Regulation 2.02(f) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including ... encountered in the drilling of a well."



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NOV 27 1984

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  
November 8, 1984

COMPANY BKK Prospecting, LTD  
45 North Road  
Niles, Ohio 44446

PERMIT NO 073-1303  
FARM & WELL NO Janice Bailey #34  
DIST. & COUNTY Union/Pleasants

| 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. H. Lowther

DATE Nov 21, 1983

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

January 9, 1985

DATE

FERC-121

|   |   |                  |  |  |
|---|---|------------------|--|--|
| <b>1.0 API well number:</b><br>(If not available, leave blank. 14 digits.)  | Permit No. <u>47-073-1303</u>   |                  |  |  |
| <b>2.0 Type of determination being sought:</b><br>(Use the codes found on the front of this form.)                                | <u>103</u><br>Section of NGPA   |                  | <u>N/A</u><br>Category Code                          |  |
| <b>3.0 Depth of the deepest completion location:</b> (Only needed if sections 103 or 107 in 2.0 above.)                           | <u>2047</u> feet  |                  |  |  |
| <b>4.0 Name, address and code number of applicant:</b> (35 letters per line maximum. If code number not available, leave blank.)  | <b>B.K.K. Prospecting, LTD</b><br>Name<br><u>45 North Road</u><br>Street<br><u>Niles,</u> <u>Ohio</u> <u>44446</u><br>City State Zip Code |                  |  | Seller Code                            |
| <b>5.0 Location of this well:</b> (Complete (a) or (b).)<br>(a) For onshore wells (35 letters maximum for field name.)            | <u>Rosa Wilson BKK 34</u><br>Field Name<br><u>Pleasants</u> <u>West Virginia</u><br>County State  |                  |  |  |
| (b) For OCS wells:  | <u>N/A</u><br>Area Name   |                  | <u>N/A</u><br>Block Number                           |  |
| (c) Name and identification number of this well: (35 letters and digits maximum.)   | <u>Wilson BKK 34</u>  |                  |  |  |
| (d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)   | <u>N/A</u>  |                  |  |  |
| <b>6.0 (a) Name and code number of the purchaser:</b> (35 letters and digits maximum. If code number not available, leave blank.) | <b>Columbia Gas Transmission Corp.</b><br>Name  |                  |  | <u>004030</u><br>Buyer Code            |
| (b) Date of the contract:   | _____<br>Mo. Day Yr.  |                  |  |  |
| (c) Estimated annual production:  | <u>4</u> MMcf.  |                  |  |  |
| <b>7.0 Contract price:</b><br>(As of filing date. Complete to 3 decimal places.)  | (a) Base Price (\$/MMBTU)<br>_____  | (b) Tax<br>_____ | (c) All Other Prices (Indicate (+) or (-).)<br>_____ | (d) Total of (a), (b) and (c)<br>_____ |
| <b>8.0 Maximum lawful rate:</b><br>(As of filing date. Complete to 3 decimal places.)   | <u>4 920</u>  | _____            | _____  | _____                                  |
| <b>9.0 Person responsible for this application:</b>   | <b>John Graham</b> Designated Agent<br>Name Title   |                  |  |  |
| Agency Use Only<br>Date Received by Juris. Agency<br><b>MAY 19 1982</b>   | Signature<br>   |                  |  | Date Application is Completed          |
| Date Received by FERC   | <u>684-2449</u><br>Phone Number   |                  |  |  |



**U.S. DEPARTMENT OF ENERGY  
Federal Energy Regulatory Commission  
Washington, D.C. 20426**

**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL  
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)  
(Sections 102, 103, 107 and 108)**

**PLEASE READ BEFORE COMPLETING THIS FORM:**

**General Instructions:**

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA. A separate application is required for each well. If any reservoir qualifies for a category which differs from the category applicable to the producing well, separate applications must be made for the producing well and the reservoir. Complete each appropriate item on the reverse side of this page. The code numbers used in items 4.0 and 8.0 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Enter any additional remarks in the space below.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 270.103. If there are any questions, call (202) 275-4538.

**Specific Instructions for Item 2.0, Type of Determination:**

| <u>Section of NGPA</u> | <u>Category Code</u> | <u>Description</u>                        |
|------------------------|----------------------|---|
| 102                    | 1                    | New OCS Lease                             |
| 102                    | 2                    | New onshore well (2.5 mile test)          |
| 102                    | 3                    | New onshore well (1,000 feet deeper test) |
| 102                    | 4                    | New onshore reservoir                     |
| 102                    | 5                    | New reservoir on old OCS Lease            |
| 103                    | -                    | New onshore production well               |
| 107                    | -                    | High cost natural gas                     |
| 108                    | -                    | Stripper well                             |

**Other Purchasers/Contracts:**

| <u>Contract Date</u><br>(Mo. Day Yr.) | <u>Purchaser</u> | <u>Buyer Code</u> |
|---------------------------------------|------------------|-------------------|
| _____                                 | _____            | _____             |
| _____                                 | _____            | _____             |
| _____                                 | _____            | _____             |

Remarks:

5881 1 YAM

PARTICIPANTS:

DATE: NOV 11 1982

BUYER-SELLER CODE

WELL OPERATOR: B. K. K. Prospecting, Ltd.

FIRST PURCHASER: Columbia Gas Trans. Corp.

004030

OTHER: \_\_\_\_\_

W. Va. Department of Mines, Oil & Gas Division  
 WELL DETERMINATION FILE NUMBER  
820519-<sup>103</sup>~~107~~-073 = 1303  
 Use Above File Number on all Communications  
 Relating to Determination of this Well

1000' Radius  
Checked

QUALIFIED

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

1. FERC -121  Items not completed - Line No. All 7.0 8.0 b,c,d

2. IV-1 Agent John Gramham

3. IV-2 Well Permit \_\_\_\_\_

4. IV-6 Well Plat

5. IV-35 Well Record  Drilling  Deepening \_\_\_\_\_

6. IV-36 Gas-Oil Test: Gas Only \_\_\_\_\_ Was Oil Produced? \_\_\_\_\_ Ratio \_\_\_\_\_

7. IV-39 Annual Production \_\_\_\_\_ years

8. IV-40 90 day Production \_\_\_\_\_ Days off line: \_\_\_\_\_

9. IV-48 Application for certification. Complete?

10-17. IV Form 51 - 52 - 53 - 54 - (55) - 56 - 57 - 58 Complete?  Affidavit Signed

18-28. Other: Survey \_\_\_\_\_ Logs \_\_\_\_\_ Geological Charts \_\_\_\_\_  
 Structure Map \_\_\_\_\_ 1: 4000 Map \_\_\_\_\_ Well Tabulations \_\_\_\_\_  
 Gas Analyses \_\_\_\_\_

(5) Date commenced: 10-11-81 Date completed 11-30-81 Deepened \_\_\_\_\_

(5) Production Depth: 1950

(5) Production Formation: Squaw

(5) Final Open Flow: 20 MCF

(5) After Frac. R. P. 300# 72 hrs.

(6) Other Gas Test: \_\_\_\_\_

(7) Avg. Daily Gas from Annual Production: \_\_\_\_\_

(8) Avg. Daily Gas from 90-day ending w/1-120 days \_\_\_\_\_

(8) Line Pressure: \_\_\_\_\_ PSIG from Daily Report

(5) Oil Production: \_\_\_\_\_ From Completion Report \_\_\_\_\_

10-17. Does lease inventory indicate enhanced recovery being done NO

10-17. Is affidavit signed?  Notarized?

Does official well record with the Department confirm the submitted information? yes

Additional information \_\_\_\_\_ Does computer program confirm? \_\_\_\_\_

Was Determination Objected to \_\_\_\_\_ By Whom? \_\_\_\_\_

B

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

Date \_\_\_\_\_, 19\_\_

Operator's Well No. Wilson #34

API Well No. 47 - 073 - 1303  
State County Fermo

Previous File No. \_\_\_\_\_  
(If Applicable)

STATE APPLICATION FOR WELL CLASSIFICATION

WELL OPERATOR B.K.K. Prospecting, LTD  
ADDRESS 45 North Road  
Niles, Ohio 44446

DESIGNATED AGENT John Graham  
ADDRESS 209 Second Street  
St. Marys, WV 26170

Gas Purchase Contract No. \_\_\_\_\_ and Date \_\_\_\_\_  
(Month, day and year)

Meter Chart Code \_\_\_\_\_  
Name of First Purchaser Columbia Transmission Corporation

1700 McCorkle Avenue  
(Street or P. O. Box)  
S.E. Charleston, WV 25314  
(City) (State) (Zip Code)

FERC Seller Code \_\_\_\_\_ FERC Buyer Code \_\_\_\_\_

TYPE OF DETERMINATION BEING SOUGHT:

- (1) Initial determination (See FERC Form 121.) Section of NGPA 103 N/A  
Category Code \_\_\_\_\_
- (2) Determination that increased production is the result of enhanced recovery technology.
- (3) Determination of a seasonally affected well.

John Graham Designated Agent  
Name (Print) Title  
John Graham  
Signature  
209 Second Street  
Street or P. O. Box  
St. Marys, West Virginia 26170  
City State (Zip Code)  
304 684-2449  
Area Code Phone Number

(Certificate of Proof of Service to Purchaser)

We hereby certify that we have notified Columbia Transmission Corporation of this filing.

(All of the above to be completed by the Operator/Applicant)

(To be completed by Jurisdictional Agency. Executed copy to be returned to Operator/Applicant and purchaser, if known).

The Department of Mines has received a request  for certification of the above described well as meeting the requirements of Section \_\_\_\_\_ under the Natural Gas Policy Act of 1976 (NGPA).  for determination that increased production is the result of enhanced recovery technology under Section 108 of (NGPA);  or for determination of a seasonally affected well under Section 108 of (NGPA).

All interested parties are hereby notified that on the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_ at the office of the Oil and Gas Division in Charleston, West Virginia, or as soon thereafter as it may be heard, there will be a public hearing, if requested, or if objection is filed.

This Application is assigned File No. \_\_\_\_\_

Initial review of information submitted indicates the well  is  is not entitled to certification as claimed under the Natural Gas Policy Act (NGPA). A review of this evidence and any additional evidence will be made at the time appointed for a public hearing or as soon thereafter as the matter may be heard.

Unless objections are timely filed or a request for a hearing is made within fifteen (15) days, a hearing will not be held except on ex parte motion of the department and the matter will go to determination.

WEST VIRGINIA DEPARTMENT OF MINES

Director

**MAY 19 1982**

Date received by  
Jurisdictional Agency

By [Signature]  
Title

*[Handwritten signature]*

MAY 1 1955

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

Date \_\_\_\_\_ 19\_\_\_\_  
Operator's Wilson # 34  
Well No. \_\_\_\_\_  
API Well No. 47 073 1303  
State \_\_\_\_\_ County \_\_\_\_\_ Permit \_\_\_\_\_

WELL CLASSIFICATION FORM  
NEW ONSHORE PRODUCTION WELL  
MGA Section 103

WELL OPERATOR B.K.K. Prospecting, LTD  
ADDRESS 45 North Road  
Niles, Ohio 44446  
GAS PURCHASER \_\_\_\_\_  
ADDRESS \_\_\_\_\_

DESIGNATED AGENT John Graham  
ADDRESS 209 Second Street  
St. Marys, West Virginia 26170  
LOCATION: Elevation 1046'  
Watershed Wolf Run  
Dist. Union County Pleasants Quad Raven Rock  
Gas Purchase Contract No. \_\_\_\_\_  
Meter Chart Code \_\_\_\_\_  
Date of Contract \_\_\_\_\_

\* \* \* \* \*

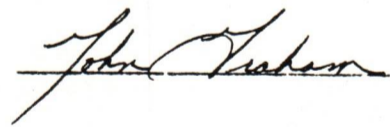
Date surface drilling was begun: 10/11/81

Indicate the bottom hole pressure of the well and explain how this was calculated:

$$BHP = P_1 + P_1 \left( \frac{GL}{53.34T} - 1 \right)$$
  
P = 300      BHP = 329.99  
l = 14.7  
G = 0.70  
L = 1988  
T = 549.88

AFFIDAVIT

I, John Graham, having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

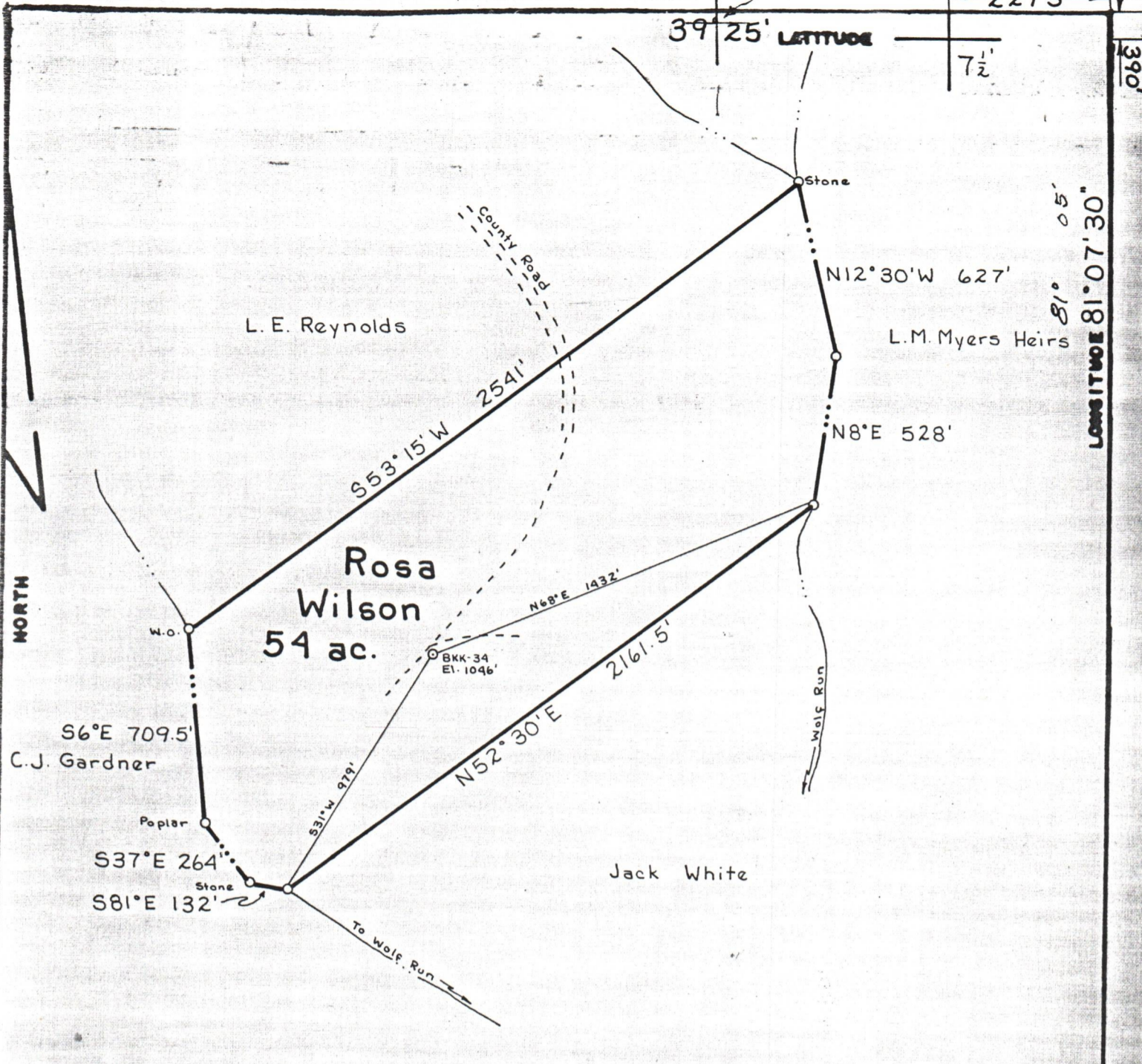


STATE OF WEST VIRGINIA,  
COUNTY OF Pleasants, TO WIT:

I, Sara Lou Shingleton a Notary Public in and for the state and county aforesaid, do certify that John Graham, whose name is signed to the writing above, bearing date the 18th day of May, 19 82, has acknowledged the same before me, in my county aforesaid  
Given under my hand and official seal this 18th day of May, 1982  
My term of office expires on the 9th day of November, 19 83

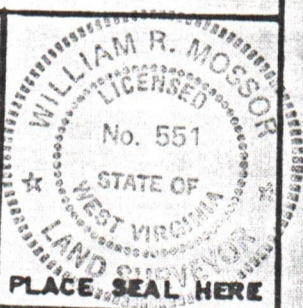
[NOTARIAL SEAL]

  
Notary Public



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION Road Int. 1158'

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. Mossor  
 R.P.E. \_\_\_\_\_ L.L.S. 551



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



DATE 17 August, 1981  
 OPERATOR'S WELL NO BKK-34  
 API WELL NO. 47-073-1303  
 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 1046' WATER SHED Wolf Run  
 DISTRICT Union COUNTY Pleasants  
 QUADRANGLE Raven Rock, W.Va. 7 1/2' Quad.  
 SURFACE OWNER Janice E. Bailey ACREAGE 54  
 OIL & GAS ROYALTY OWNER Rosa Wilson + Audria Wilson LEASE ACREAGE 54  
 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) \_\_\_\_\_  
 PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUS \_\_\_\_\_  
 TARGET FORMATION Shale ESTIMATED DEPTH 5900'  
 WELL OPERATOR BKK Prospecting DESIGNATED AGENT John Graham  
 ADDRESS 45 North Road ADDRESS 209 Second St.  
Niles, Ohio 44446 St. Marys, W.Va. 26170