Signed by ____



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

. .

DEC 1 5 1980

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

| Charleston, W. Va. | DATE December 11, 1980 |
|--|--|
| Surface Owner Paul Ingram et ux | Company Ferrell Prior |
| Address St. Mary's West Virginia | |
| Mineral Owner Paul Ingram et ux | 110 5 |
| Address St. Mary's West Virginia | |
| Coal Owner N/A | Well No. Four Elevation 770 |
| Address N/A | Chant |
| 3 B to the V district of the second s | |
| Coal Operator N/A | Quadrangie_HIIIOW IBIGITA 7.5 |
| PERMIT MUST BE POSTED AT THE WELL SITE | and the same and t |
| he W. Va. Code, the location is hereby approved drilling . This permit shall expire if | INSPECTOR TO BE NOTIFIED Phillip Lee Tracy |
| rations have not commenced by 8-19-81 | ADDRESS Middlebourne, West Virginia |
| + Edman | 750, 4573 |
| Deputy Director - Oil & Gos Division | PHONE758-4573 |
| GENTLEMEN: | |
| | upon the above named farm or tract of land for oil and gas, having fe |
| X NEW WELL DRILL DEEPH | ERREDRILLFRACTURE OR STIMULATE |
| QIL AND GAS WELL ORIGINALLY D | DRILLED BEFORE JUNE 5, 1969. |
| The enclosed plat was prepared by a registered en have been notified as of the above date. The above named coal owners and/or operator are | ngineer or licensed land surveyor and all coal owners and/or operation |
| The enclosed plat was prepared by a registered en have been notified as of the above date. The above named coal owners and/or operator are to make by Section 3 of the Code, must be received. Copies of this notice and the enclosed plat were mor coal owners at their above shown respective addresses. | hereby notified that any objection they wish to make, or are required by, or filed with the Department of Mines within ten (10) days. * lailed by registered mail, or delivered to the above named coal operators and the Department of Mines within ten (10) days. * the Department of Mines at Charleston, West Virginia. |
| OIL AND GAS WELL ORIGINALLY Described the enclosed plat was prepared by a registered enclosed been notified as of the above date. The above named coal owners and/or operator are to make by Section 3 of the Code, must be received. Copies of this notice and the enclosed plat were mor coal owners at their above shown respective addresses. | DRILLED BEFORE JUNE 5, 1969. Ingineer or licensed land surveyor and all coal owners and/or operation hereby notified that any objection they wish to make, or are required by, or filed with the Department of Mines within ten (10) days. Inailed by registered mail, or delivered to the above named coal operation day before, or on the |
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THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

| PRILLING COLUMN | 110 | DEEL DIV | RACTURE-STIMULATE | | |
|---|---|--|--|--|--|
| DRILLING CONTRACTOR: (If Known) | | RESPONSIBLE AGENT: | | | |
| | illing | | | | |
| | Box 1365, Parkersburg, | | | | |
| | 422-5418 | | The second section of the section of | | |
| | OF COMPLETED WELL: 4200 | | CABLE TOOLS. | | |
| | CAL FORMATION: Devonian | | | | |
| TYPE OF WELL: | OIL GAS | | | | |
| TENTATIVE CASING | | YCLING WATER FLO | ODOTHER | | |
| CASING AND TUBI | NG USED FOR DRILLING | LEFT IN WELL | CEMENT LILL UP OR SACKS - CUBIC ET. | | |
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| 13 - 10 | | | and a stranger or tradesperioration decision and consequence to the consequence on the 1 constant decision according | | |
| 9 - 5/8 | | | the contraction of the contract of the contrac | | |
| 8 - 5/8 | 250 | 250 | To surface | | |
| 5 1/2 | | 216 112 N 351 1A C | 420 | | |
| 4 ½ | | 4200 | 250 sks. or as | | |
| 3 | | more added for some fit por | Pert. Top regd. by | | |
| 2 | | his permit shall expire if | Peri. Bottom rule 45,0 | | |
| Liners | | - NO F | Perf. Top | | |
| | | | Perf. Bottom | | |
| TO DRILL: | ED IN THE AREA? N/A S) COPIES OF OG - 1, \$100.00 PF | | | | |
| TO DRILL: SUBMIT FIVE (5 OF PLAT. TO DRILL DEEPER O SUBMIT FIVE (5 | ED IN THE AREA? N/A S) COPIES OF OG - 1, \$100.00 PE R REDRILL:) COPIES OF OG - 1, SHOWING OF D PRIOR TO 1929, A PERMANEN | BY WHOM? | OND AND PERMANENT COP | | |
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| SUBMIT FIVE (5 OF PLAT. TO DRILL DEEPER O SUBMIT FIVE (5 WELLS DRILLED MUST ALSO BE TO FRACTURE - STIM OIL AND/OR GA BOND, PERMANN OIL AND/OR GA ING ORIGINAL P Required forms m four (24) hours in | ED IN THE AREA? N/A S) COPIES OF OG - 1, \$100.00 PE R REDRILL:) COPIES OF OG - 1, SHOWING OF D PRIOR TO 1929, A PERMANEN SUBMITTED. MULATE: S WELL ORIGINALLY DRILLED BE ENT PLAT AND ORIGINAL WELL S WELL ORIGINALLY DRILLED OF ERMIT NUMBER, AND PERFORMAN MUST be filed within ninety (90) days n advance. | BY WHOM? ERMIT FEE, PERFORMANCE BOOK ORIGINAL PERMIT NUMBER AN TOOPY OF THE PLAT AND TO SEFORE JUNE 5, 1929, FIVE (5) OF RECORD. ON AND/OR AFTER JUNE 5, 1929, NCE BOND. So of completion for bond release. | DND AND PERMANENT COP D PERFORMANCE BOND. OF THE ORIGINAL WELL RECOF COPIES OG - 1, PERFORMANCE 9, FIVE COPIES OG - 1, SHOW Inspector to be notified twent | | |
| SUBMIT FIVE (5 OF PLAT. TO DRILL DEEPER OF SUBMIT FIVE (5 WELLS DRILLED MUST ALSO BE TO FRACTURE - STIME OIL AND/OR GAR BOND, PERMANN OIL AND/OR GAR ING ORIGINAL PROPERTY (24) hours in the following wathereof. WAIVER: I the under- | ED IN THE AREA? N/A S) COPIES OF OG - 1, \$100.00 PE R REDRILL:) COPIES OF OG - 1, SHOWING OF D PRIOR TO 1929, A PERMANENT SUBMITTED. MULATE: S WELL ORIGINALLY DRILLED BE ENT PLAT AND ORIGINAL WELL S WELL ORIGINALLY DRILLED OF ERMIT NUMBER, AND PERFORMANT BUT DESCRIPTION OF THE PRIOR OF THE PLATE OF THE P | BY WHOM? ERMIT FEE, PERFORMANCE BOOK PRIGINAL PERMIT NUMBER AN TOOPY OF THE PLAT AND TO SEFORE JUNE 5, 1929, FIVE (5) OF RECORD. EN AND/OR AFTER JUNE 5, 1929, NCE BOND. Sof completion for bond release. Coal Company, Owner | DND AND PERMANENT COP D PERFORMANCE BOND. OF THE ORIGINAL WELL RECOR COPIES OG - 1, PERFORMANCE 9, FIVE COPIES OG - 1, SHOW Inspector to be notified twented to be notified twented to be notified to | | |
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| SUBMIT FIVE (5 OF PLAT. TO DRILL DEEPER OF SUBMIT FIVE (5 WELLS DRILLED MUST ALSO BE TO FRACTURE - STIME OIL AND/OR GAR BOND, PERMAND OIL AND/OR GAR ING ORIGINAL PREQUIRED forms in four (24) hours in the following was thereof. WAIVER: I the under this lease has we the | ED IN THE AREA? N/A S) COPIES OF OG - 1, \$100.00 PE R REDRILL:) COPIES OF OG - 1, SHOWING OF D PRIOR TO 1929, A PERMANENT SUBMITTED. MULATE: S WELL ORIGINALLY DRILLED BENT PLAT AND ORIGINAL WELL S WELL ORIGINALLY DRILLED OF ERMIT NUMBER, AND PERFORMANT DESCRIPTION OF STATE | BY WHOM? ERMIT FEE, PERFORMANCE BOOK ORIGINAL PERMIT NUMBER AN IT COPY OF THE PLAT AND TO SEFORE JUNE 5, 1929, FIVE (5) OF RECORD. ON AND/OR AFTER JUNE 5, 1929, INCE BOND. So of completion for bond release. Coal Company, Owner me maps this proposed well locations have no objections to said well as a series of the permit is to be seen as a series of the permit is to be series of the permit | DND AND PERMANENT COP D PERFORMANCE BOND. OF THE ORIGINAL WELL RECOR COPIES OG - 1, PERFORMANCE 9, FIVE COPIES OG - 1, SHOW Inspector to be notified twenty issued within ten days of receiver of the coal undion. cell being drilled at this location. | | |
| SUBMIT FIVE (5 OF PLAT. TO DRILL DEEPER OF SUBMIT FIVE (5) WELLS DRILLED MUST ALSO BE TO FRACTURE STIME OIL AND/OR GAE BOND, PERMANN OIL AND/OR GAE ING ORIGINAL PERMANN OIL | ED IN THE AREA?N/A_ S) COPIES OF OG - 1, \$100.00 PE R REDRILL:) COPIES OF OG - 1, SHOWING OF D PRIOR TO 1929, A PERMANEN SUBMITTED. MULATE: S WELL ORIGINALLY DRILLED BE ENT PLAT AND ORIGINAL WELL S WELL ORIGINALLY DRILLED OF ERMIT NUMBER, AND PERFORMAN must be filed within ninety (90) days n advance. iver must be completed by the coasigned, Agent for ave examined and place on our mineral coasigned. Coasi Comp | BY WHOM? ERMIT FEE, PERFORMANCE BOOK ORIGINAL PERMIT NUMBER AN IT COPY OF THE PLAT AND TO SEFORE JUNE 5, 1929, FIVE (5) OF RECORD. ON AND/OR AFTER JUNE 5, 1929, INCE BOND. So of completion for bond release. Coal Company, Owner me maps this proposed well locations have no objections to said well as a series of the permit is to be seen as a series of the permit is to be series of the permit | DND AND PERMANENT COP D PERFORMANCE BOND. OF THE ORIGINAL WELL RECOR COPIES OG - 1, PERFORMANCE 9, FIVE COPIES OG - 1, SHOW Inspector to be notified twent issued within ten days of receive or Operator of the coal unclion. cell being drilled at this location. | | |

Otficial Title

STATE OF WEST VIRGINIA OFFICE OF OIL AND GAS TRIOR Designated Agent Same PO. Bux 1486; PORKERSBURG WV Address Telephone Soil Cons. District Upper OHO Telephone 304-485-7419 AUL INGRAM Landowner PRIOR OIL COMPANY Revegetation to be carried out by ___ This plan has been reveiwed by Upper Ofico and additions become a part of this plan. Location Access Road DIVERSIO Structure OPEN DRAINAGE (A) Structure Material Spacing Page Ref. Manual /:8 Page Ref. Manual (B) Structure TEC 1 5 1980 Material Spacing Page Ref. Manual Page Ref. Manual OIL & GAS DIVISION (C) Structure _ DEPT. OF MINE! Material Page Ref. Manual Page Ref. Manual All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked. All brush and small timber to be cut and removed from site before dirt work begins.
Revegetation Treatment Area II Treatment Area I Lime or correct Lime or correct to ph 6.5 lbs/acre Lay (2) Tons/Acre
CROWN VETEN 15 lbs/acre
The Foscus 45 lbs/acre
lbs/acre Mulch Mulch Seed* . ibs/a.r.

*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 Willow Island 75

Well Site Legend:



| Legend: | Property Boundry | D1901010 |
|---------|------------------|--------------|
| | Road = = = | Spring O- |
| | Existing Fence | Wet Spot w |
| | Planned Fence | Building 8 |
| | Stream | Drain Lipa |
| | | Waterway = |
| | | 2 Notember 1 |

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

Inspector:

FINAL APPROVEMENT BY INSPECTOR

| MIVISTORA | Inspector: | | INGRAM #3 |
|--|--------------------|--|--|
| Ingen #1 | | | 0 |
| L# magnIU OIL & GAS DIVISION OEPT. OF MINEL | | 1, | |
| OR & GAS DIVISIÓN | | 11 | |
| . 1 | | 11 | |
| | EXISTING POAD | 11 | |
| | MOAD | | |
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| | Y AC VI | | |
| Sade South | tun BO. | THE TAXABON & WV | 204-065-7415 |
| | 1.4000 | Udress | Phone Number |
| · · · · · · · · · · · · · · · · · · · | constation to ment | ant may need in a few | |

| IV-35 (Rev 8-81) | ENVIEWEDT. |
|---------------------|--------------------|
| DEC | B |
| IN L | A 198A |
| 0 | GAS DIVISION MINES |
| OIL | GAS DIVISIONES |

State of Mest Nirginia

Department of Mines Gil and Gas Division

| Date | Oct | ober | , 1 | 984 | |
|-------|-------|--------|-----|------|---|
| Opera | itor' | S | | | THE REAL PROPERTY AND ADDRESS OF THE PERTY |
| Well | No. | Four | (4) |) | |
| Farm | Ing | ram | | | |
| API N | ю. 4 | 7 - 07 | 73 | -108 | 8 |

(Continue on reverse side)

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

| LOCATION: Elevation: 770 Watershed Co | w Creek | of Ohio | River Sy | ystem | |
|--|-------------------------|------------------|------------------------------|------------------------------|-----|
| District: Grant County Plea | sants | Quadrangle | e <u>Willov</u> | w Island 7 | . 5 |
| COMPANY Ferrell Prior | | | | | |
| ADDRESS 4818 Rosemar Road, Parkersburg, W. DESIGNATED AGENT Ferrell Prior | Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. | |
| ADDRESS 4818 Rosemar Road, Parkersburg, W. SURFACE OWNER Paul Ingram et ux | Vaize 20-16 Cond. | | -7 | | |
| ADDRESS St. Marys, W. Va. MINERAL RIGHTS OWNER Paul Ingram et ux | 13-10" 9 5/8 | | | | |
| ADDRESS St. Marys, W. Va. OIL AND GAS INSPECTOR FOR THIS WORKROBERT | 8 5/8 | 250 | 250 | To surfa | ce |
| Lowther ADDRESS Middlebourne, W.Va. PERMIT ISSUED 12-15-1980 | 7 5 1/2 | | | | |
| DRILLING COMMENCED 2-25-1981 | 4 1/2 | | 3670 | 425 sks. | сещ |
| DRILLING COMPLETED 3-2-1981 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON | Liners used | | | | |
| GEOLOGICAL TARGET FORMATION Devonian Shall | | Dept | - | feet | |
| Depth of completed well 3708 feet F Water strata depth: Fresh 60 feet; Coal seam depths: N/A | Salt Non | e feet | e Tools | area? No | |
| OPEN FLOW DATA Producing formation Devonian Shale Gas: Initial open flow show Mcf/d | Pay Oil: Ini | zone dept | h Devoni Shale flow sh | ian feet | |
| Final open flow 900,000 Mcf/d Time of open flow between initi Static rock pressure 1050 psig(surface | ial and fi | nal tests | 4 ho | | Ì |
| (If applicable due to multiple completion- Second producing formation_ |) | | | | |
| Gas: Initial open flow Mcf/d | Oil: Ini | tial open | flow | Bbl/d | |
| Final open flow Mcf/d Time of open flow between initial Static rock pressure psig(surface) | ial and fi | nal tests | ho | urs | |

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

Dowell Fracturing August 13, 1981

WELL LOG

| | | | REMARKS |
|---|---|--|--|
| FORMATION COLOR HARD OR SOFT | TOP FEET | BOTTOM FEET | Including indication of all fresh and salt water, coal, oil and gas |
| No Record Shale Lime Shale Lime Shale Lime Shale Lime Shale Lime Sandy Shale Lime Shale Lime Shale Lime Shale | 0 250 308 390 400 409 412 420 422 470 535 558 585 600 618 | 250 308 390 400 409 412 420 422 470 535 558 585 600 618 652 | 2098 2118 Gordon 2118 3410 Shale 3410 3470 Marcellus Sand 3470 3708 Shale Total Depth 3708 |
| Shale Sand Shale Sand Shale Sand Lime Shale Sand Shale Sand Shale Sand Shale Sand Shale Big Injun Sand Shale Big Injun Sand Shale Squaw Sand Shale Coffee Shale Berea Sand Shale Gantz Sand Shale | 652 672 686 700 722 802 840 860 930 1000 1012 1072 1112 1148 1170 1198 1594 1604 1608 1720 1740 | 672 686 700 722 802 840 860 930 1000 1012 1072 1112 1148 1170 1198 1594 1604 1608 1720 1740 2070 | Mit. |

(Attach separate sheets as necessary)

Well Operator

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."

CO8-78 DECEIVED
OCT 3 1 1984

| Date: Oct | | tober | 30, | 1,984 | |
|---------------------|--|-------|-----|-------|--|
| Operator Well No | | Four | (4) | | |

API Well No. $\frac{47}{\text{State}} - \frac{073}{\text{County}} - \frac{1088}{\text{Permit}}$

OIL & GAS DIVISION DEPARTMENT OF MINES

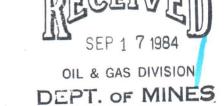
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION

WELL OPERATOR'S REPORT OF INITIAL GAS-OIL RATIO TEST

| WELL OPERATOR Ferrell Prior | DESIG | ATED AGENT Ferrell Prior |
|---|---|--|
| Address 4818 Rosemar Roa | d | Address 4818 Rosemar Road |
| Parkersburg, W. V | a. 26101 | Parkersburg, W. Va 26101 |
| BEOLOGICAL TARGET FORMATION: | Devonian Shale | Depth 4200 feet |
| | Perforation | on Interval 1112 to 3670 feet |
| CUIDELINES FOR TESTING: | | |
| 1- A minimum of gas vented or 2- A 24 hour preflow into pipe 3- Uniform producing rate duri 4- Measurement standards as fo 5- Separate Form IV-36 for eac | lines or tanks ng the 24 hour test per te r Form IV-39. "Report of A | nnual Production" (see Regulation 21 01) |
| STADT OF TEST DATE | TEST DATA | |
| | END OF TEST-DATE 7:0 | DURATION OF TEST 24 hours |
| TUBING PRESSURE CASING PRE | | SEPARATOR TEMPERATURE |
| N/A N/A OIL PRODUCTION DURING TEST GA | N/A S PRODUCTION DURING TEST WATER | N/A R PRODUCTION DURING TEST & SALINITY |
| 7 bbls. | 900,000 Mcf | None bbls. |
| OIL GRAVATY 49 | | ng, pumping, gas lift, etc.) |
| MEASUREMENT METHOD FLANGE TAP PIPE TAP | GAS PRODUCTION | POSITIVE CHOKE K |
| ORIFICE DIAMETER | PIPE DIAMETER (INSIDE DIAM | |
| 1/8" DIFFERENTIAL PRESSURE RANGE | N/A MAX. STATIC PRESSURE RANGE | PROVER & ORIFICE DIAM IN. |
| DIFFERENTIAL | STATIC | GAS GRAVITY (AIT-1.0) MEASURED ESTIMATED .68 |
| GAS GRAVITY (Air-1.0) | FLOWING OTEMPERATURE | GAS TEMPERATURE *F |
| 24 HOUR COEFFICIENT | | 24 HOUR COEFFICIENT |
| | | PRESSURE - psia |
| | TEST RESULTS | |
| DAILY OIL DAILY WAT | | GAS-OIL RATIO 12,857 SCF/STE |
| | | Ferrell Prior |
| | By: $\frac{\zeta}{f}$ | Well Operator |
| | Its: | Operator |

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION TATHS INSPECTION REQUEST

STATUS INSPECTION REQUEST INSPECTOR'S COMPLIANCE REPORT



| Permit No | 073-1088 | County | Pleasants | 3 | |
|-----------|-------------------------------------|------------|-----------|-------------|--------------|
| Company. | Ferrell Prior | Farm. | Paul Ingi | cam | |
| Inspector | . Robert Lowther | Well No. | 4 | | |
| Date | August 28, 1984 | Issued. | 12-19-80 | | |
| RULE | DESCRIPTION | | | IN COMPLYES | IANCE NO |
| 23.06 | Notification Prior to starting Wor | k | | | |
| 25.04 | Prepared before Drilling to preven | t 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 | | | 1 | |
| 15.04 | Adequate Cement Strength | | | | |
| 23.02 | Maintained Access Roads | | | V | |
| 25.01 | Necessary Equipment to prevent Was | te | | | |
| 23.03 | Reclaimed Drilling Site | | | V | |
| 23.04 | Reclaimed Drilling Pits | | | V | |
| 23.05 | No Surface or Underground Pollution | n | | V | |
| 7.03 | Identification Markings | | | V | |
| COMMENTS: | Please issue final on cancella | tion if lo | cation is | okay. Po | ermit Calion |
| Honk | LOOM ROCKMINDS | to to 1 | olon | 10 | |

I have inspected the above well and (Have/Have Not) found it to be in compliance with all of the rules and regulations of the Office of Oil and Gas-Department of Mines of the State of West Virginia.

SIGNED:

DATE:

pt 13, 1984



State of West Birginia Bepartment of Mines

Gil and Gas Bivision Charleston 25305

January 7, 1985

THEODORE M. STREIT
ADMINISTRATOR

WALTER N. MILLER DIRECTOR

Ferrell Prior P. O. Box 1486 Parkersburg, WV

26101

| In Re: PERMIT NO: | 47-073-1088 |
|-------------------|-------------|
| FARM: | Paul Ingram |
| WELL NO: | 4 |
| DISTRICT: | Gæant |
| COUNTY: | Pleasants |
| ISSUED: | 12-19-80 |

Gentlemen:

The FINAL INSPECTION REPORT for the above captioned well has been received in this office. Only the column checked below applies:

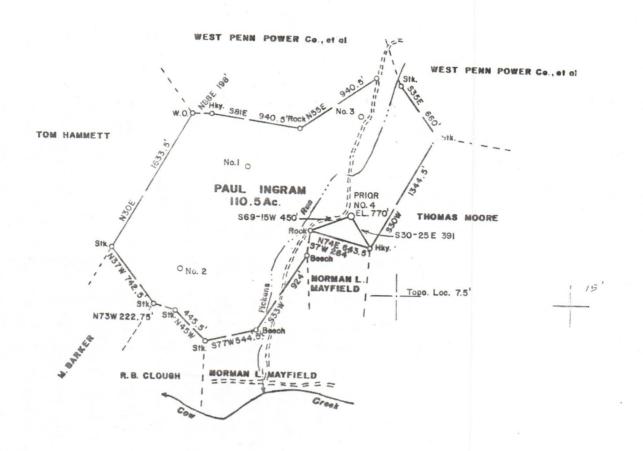
The well designated by the above permit number has been released under your Blanket Bond.

Please return the enclosed cancelled single bond which covered the well designated by the above permit number to the surety company who executed said bond in your behalf, in order that they may give you credit on their records.

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

Very truly yours,

Theodore M. Streit, Administrator Office of Oil & Gas - Dept. Mines



FILE NO. DRAWING NO .. SCALE | inch = 1000 feet MINIMUM DEGREE OF ACCURACY_1/200 PROVEN SOURCE OF ELEVATION Junction Rds. 2400' SW of Location Elev. = 655

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 REGU-LATIONS ISSUED AND PRESCRIBED BY THE DEPART. MENT OF MINES. mark C. Echard MARK C. ECHARD (SIGNED). L.L.S. 490 R.P.E.

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6 (8-78)



DATE NOVEMBER OPERATOR'S WELL NO. FOUR API WELL NO. 1088

-073 STATE COUNTY

STATE OF WEST VIRGINIA DEPARTMENT O'MINES

WELL TYPE: OIL GAS LIQUID INJECTION_ _WASTE ISPOSAL

(IF "GAS,") PRODUCTION STORAGE_ DEE'_SHALLOW_

770 WATER SHED COW CAEEK OF OHIO RIVER SYSTEM LOCATION: ELEVATION. OUNTY PLEASANTS

DISTRICT GRANT

QUADRANGLE WILLOW ISLAND 7.5' SURFACE OWNER PAUL ' INGRAM, et ux

ACREAGE 110.5

OIL & GAS ROYALTY OWNER PAUL INGRAM, et ux

LEASE ACREAGE 110.5

LEASE NO ..

PROPOSED WORK: DRILL CONVERT_ DRILL CONVERT DRILL CEPER REDRILL FRACTURE STIMULATE P'.UG OFF CL' FORMA', ION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) FRACTURE OF

PLUG AND ABANDON. ON__CLEAN OUT AND REPLUG DEVONIAN SHALE ESTIMATE

TARGET FORMATION. ESTIMATED DEPTH 4200

WELL OPERATOR MR. FERRELL PRIOR DESIGNATED AGENT MR. FERRELL

BOX 1486 ADDRESS ADDRESS_ PARKERSBURG, W.V. 26101

BOX 1486 PARKERSBURG, W.V. 26101

TRASCO+ I