FILE COPY



| 1) | Date: | Februar | y 13 | , 19 <u></u> |
|----|------------------------|---------|--------|--------------|
| 2) | Operator's Well No. | J-839 | REVISE | HORAL IVE OF |
| 3) | API Well No. | 47 - | 001 - | 2017-REV |
| -/ | | State | County | Permit |

File

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

| 5) 1001TV | | vation: | | | | | Glady Cr | | _/ Shallow X/) |
|-----------------|---------------|-------------|--------------------------|----------|------------|------------------------|----------------------|--|--|
| 5) LOCATIO | Die | trict: | Glade | | | County: | Barbour | Quadrandle | Nestorville |
| 6) WELLO | | | | | s, Inc. | County. | 7) DESIGNATE | DAGENT Richar | d Reddecliff |
| Addres | | | O. Box | | | | Address | P.O. | Box 48 |
| Addres | | | | CEL 2000 | WV 262 | 201 | ridaress | The state of the s | nannon, WV 26201 |
| 8) OII & GA | S INSPEC | | The second of the second | | | | 9) DRILLING O | | |
| | Ph | | | | | | | S.W. Jack Dril | ling Company |
| Addres | | | | al T | errace | | | P.O. Box 48 | |
| | | | | | WV 262 | | | Buckhann | on, WV 26201 |
| 10) PROPOSI | D WELL | WORK: | Drill | x | / Drill | deeper | / Redrill | / Stimulate X | |
| io, rkorosi | D WEEL | WORKE. | | | | | ate new formation | | CELVE |
| | | | | | | | | 12 1 | 100000 |
| 11) GEOLOG | ICAL TAR | GET FOR | | | | | | | 5 0 0 1 1001 |
| 12) Estim | ated depth of | of complete | ed well, | | 5450 | feet | | | FEB 2 1 1904 |
| 13) Appre | oximate trat | a depths: | Fresh, _ | 65 | | feet; salt | , 0 | feet. | OIL & GAS DIVISION |
| 14) Appro | oximate coa | l seam dep | ths: | 125, | 420 | Is co | al being mined in th | ne area? Yes | No X |
| 15) CASING | | | | | | | | DE | PT. OF MINE |
| CASING OR | 1 | SPEC | IFICATIONS | 5 | - 1 | FOOTAGE I | NTERVALS | CEMENT FILL-UP | PACKERS |
| TUBING TYPE | Size | Grade | Weight per ft. | New | Used | For drilling | Left in well | OR SACKS (Cubic feet) | |
| Conductor | 113/4 | H-40 | 42 | х | | 30 | 0 | 0 sks. | Kinds |
| Fresh water | 8 5/8 | ERW | 23 | Х | | 1000 | 1000 | To surface | NEAT |
| Coal | 8 5/8 | ERW | 23 | Х | | 1000 | 1000 | To surface | Sizes |
| Intermediate | | | | | | | | / | |
| Production | 41/2 | J-55 | 10.5 | X | 5 | 450 | 5450 | 325 sks. | Depths set |
| Tubing | | | | | Y | F APE OFF | UNIO 4 | or as rea | by rate 15,01 |
| Liners | | | | | | | | 1 | Perforations: |
| | | ergonos: | 361 THE | volto? | Van bre | a occurrences | ration for zotab | It harden on this | Top Bottom |
| | | | | | | | | | |
| (2 | MinG. | | | | | | 916 | | |
| # 2 | | | | | | | | | |
| | | | | 2)000 | 01 | EFICE LISE | ONII V | | havious conscilor. |
| | | | | | | FFICE USE (RILLING PE | | | |
| 1.0 | | - 001 | 0017 | | וט | KILLING PE | RIVIII | | Vell work started |
| Permit number_ | 4 | 7-001- | 2017 | | | | | Februar | ry 27, ₁₉ 84 |
| | | | | | | | | Date | e this out to nonstance. |
| | | | | | | | | | ce with the pertinent legal re- |
| | | | | | | | | | and Gas Inspector, (Refer to tractor shall notify the proper |
| | | | | | | k has commence | | ven operator of his com | tractor shall notify the proper |
| The permitted u | ork is as de | escribed in | the Notic | e and A | nnlication | nlat and reclams | ation plan subject | to any modifications ar | nd conditions specified on the |
| reverse hereof. | | | | | | piat, and reciam | tion plan, subject | to any modifications ar | id conditions specified on the |
| Permit expires | F | ebruar | y 27, | 1986 | | unless well | work is commence | d prior to that date and | prosecuted with due diligence. |
| | | | | | | | | | NOT DESCRIPTION |
| Bond: | Agen | t:a F | Plat: | Casir | g F | ee | | | |
| BLANKET | 1 | 1 1 | 20// | 100 | 11 | | | | 1 10000 |
| 14 | X. | 0 1 | 1/4 | 11/1 | 1 14 | 3/ | | -11- | 1 |
| | | | | | | S. Auto | -/ | ML | No critical and a second |
| | | | | | | | Adn | ninistrator, Office of O | il and Gas |

NOTE: Keep one copy of this permit posted at the drilling location.



THE COPY.



OFFICE USE ONLY

| Shallow () | | | | | apesabori | | |
|--|--|--|-----------------------|-----------------------------|--|--|--|
| The second secon | | | | | | Elevation: _ | |
| es Westorville | | | | | | | |
| | DEN TMEDA | | | . DELE (252 | | | 6) WHILL OPER |
| EUSBS VIV. comesisio | | | | | nacette | | |
| All South Control of the Control of | | | | | | | |
| | filost | | | | | | |
| | 201 1019 | | | | <u> Lavigas a</u> | | |
| | | | | | | S. # | |
| 97978178978 ST | | | | | | WELL WORK: | |
| [[5] V BEL O 5[1] | | | | | | | |
| | | | | | | | |
| FEB 2-1-1984 | | | | | | | (I) CEOLOGICA |
| 1801311/10 010 | | | | | | l depth of complete sate trata depths: | |
| OIL & GAS DIVISION | | | | | | rata coal seam depi | |
| DEPT. OF MINES | | | | | | | S) CASING AN |
| TIP CONTRACTOR | | | | | evon/on | | CASING OR |
| | | Book #8 (34.3 | | | M Jagusta | | |
| abn) s | repie 0 | | | | | | I for sec |
| MAZV | | 000 | | | | | |
| are Vo | | | | | | | |
| | | | | | | | |
| The state of the s | | | | | | | |
| 100 Dy 17 15 18.01 | 01 25 | OFFICE | USE ONL | Y | E FC.VL | | en Ge |
| Deprise 1/2 18.01 | 01.25 | OFFICE | USE ONL | Y | - C.U. | | en Gu en Gu |
| This part of Form IV-2(b) is | to record the | | | | low-up ins | pections. | al yelde |
| This part of Form IV-2(b) is | to record the | e dates of certain o | | | low-up insp | | gn dy Styl |
| This part of Form IV-2(b) is | to record the | | | | low-up insp | | al yelde |
| | to record th | e dates of certain o | ccurrences | and any fol | | | gn dy Styl |
| This part of Form IV-2(b) is Application received | to record th | e dates of certain o | ccurrences | | | | gn dy Styl |
| Application received | to record th | e dates of certain o | ccurrences | and any fol | | | gn dy Styl |
| | | e dates of certain o | ccurrences Follow- | and any fol | n(s) | | ate(s) |
| Application received Well work started | | e dates of certain o | ccurrences Follow- | and any fol | n(s) | Da | gn dy Styl |
| Application received Well work started Completion of the drilling | Telar. | Date Y IMO T | Follow- | and any fol up inspectio | n(s) | - 199-7 A | ate(s) |
| Application received Well work started Completion of the drilling process | Life delli in acco | e dates of certain o | Follow- | and any fol | n(s) | Da Table To the well operation of the conditions of | rediguation of footbase footba |
| Application received Well work started Completion of the drilling process | Life delli in acco | e dates of certain o | Follow- | and any fol | n(s) | Da D | ate(s) |
| Application received Well work started Completion of the drilling process Well Record received | gro dvili in acco | e dates of certain o Date Y IMO 5 THANKING DESCRIPTION OF THE SERVICE OF THE S | Follow- | and any fol | n(s) and sell loc ordained here ordained here before actual | A 7 = 000 1 = | rediction the permit covering to the permit c |
| Application received Well work started Completion of the drilling process Well Record received | gro dvili in acco | e dates of certain o | Follow- | and any fol | (a)n (and well loc outsined here the hearther the Notice an | the well operates of the conditions of the condi | rediction the permit covering to the permit c |
| Application received Well work started Completion of the drilling process Well Record received Reclamation completed | For drill in account to the factor of the conditional of the conditiona | e dates of certain of Date Y (MO 1) The Manual of Certain of Cer | Follow- | and any fol | n(s) and sell loc ordained beta in localize before actual | the well operates of the conditions of the condi | ender since |
| Application received Well work started Completion of the drilling process Well Record received Reclamation completed | For drill in account to the factor of the conditional of the conditiona | e dates of certain of Date Y (MO 1) The Manual of Certain of Cer | Follow- | and any fol | (a)n (and well loc outsined here the hearther the Notice an | the well operates of the conditions of the condi | ate(s) crail number crail number in permit covering increens subject in surface oil and gas the permitted work verse hereof |

Reason:

See the receive side of the APPLICANT'S COPY for for fruit for the well operator,

| URM IV-2(A) | | | 1) | Date: | Febru | ary 13 | - 684 |
|------------------|--|--|-------|-------------------------------|------------|---|-----------|
| | | | | Operato | r's | | |
| | | | 21 | Well No | | -839 REVISI | |
| | | | 3) | F51 MeT | 1 No | 47-001- | 2017-Rev. |
| | STATE OF WEST | VIRGINIA | | | 5 | State Cour. | ity remi |
| | DEPAREMENT OF MINES, OF | FFICE OF OIL | & C | 25 | | | • |
| | NOTICE OF APPLICATION FOR | R A WELL WORK | DE. | PMIT | | | |
| 1) SURFACE OWNER | (S) OF RECORD TO BE SERVED | 5(i) COA | | | | | |
| | mes P. Stemple | Add: | | | -81 | | |
| | Rt. # 2 | | | | | | |
| | Philippi, WV 26416 | 5(ii) CQAI | L C. | WER(S) V | WITH D | ECLARATION | ON PECCE. |
| (ii) Name | | Name | | Hillman (| | Coke CO. | rah Da |
| Accress | | E(| المام | | | elius, Trus | |
| iii) Name | | Name | 9 | 0,0000 | · corne | illus, illus | 15219 |
| Address | | Ac | dare | ess | | | |
| | | 5/3331 0033 | | | | | |
| | | 5(iii) COAI | i Lit | Grafton | Coal C | LARATION ON | N RECOPD: |
| | | | - | ess Hills | | | |
| | | | | | | t, WV 263 | 30 |
| | TO THE PERSON(S) NOVED ABOVE: You should name | received this Form | 2-5 | -28 -20 G | | | |
| | (1) The publication for a well work Par- | - CT FOTT TI-2(B) | 10 | : | | | |
| | and describes the well and its location | | | | | | |
| | (2) The plat (surveyor's man) showing the | 1.512 1.55 | | | | | |
| | plus a well), which sets out the plan | on Form IV-9)unle | | | is orly | to | |
| . [| Total Car Site and access in | tea. | | | | | |
| | THE REASON YOU RECEIVED THESE DOCUMENTS IN THE "DISTRUCTIONS" OF FROM 4. PRESIDENTED THE WAY OF THE PROPERTY O | | | | | MO COL | |
| | ACTION AT ALL. | ALMERER, YOU AFE NO | T FEX | WIFED TO TAK | E ANY | CEIN | VIEW |
| | Take notice that under Chapter 22 of the serator proposes to file or has filed this torus | West Virginia Code, | the | undersigned | well do | | 5 |
| | for a Well Work Permit with the administrator | of the Office to | arc a | ccarberiand | cochenic | FEB 2 1 1 | 984 |
| | and depicted on attached Form IV-6 Copies of | TE TOCETON CESCE | _Dec_ | on attached | Applicati | cn | |
| | Construction and Reclamation Plan have been managed hand to the person(s) named above (or by publisher the day of mailing or delivery to the Action of the A | iled by registered of the certain in certain | or ce | runstances) | or deliv | erec GAS DI | VISION |
| | service the day or failing or delivery to the k | curistrator. | | 333 | | I. OF M | IINES |
| 6) | ECHACION RIGHTS | | | | | | • |
| | Check and provide one of the following: Included is the lease or leases or other I hold the right to extract oil or ease | continuing contract | 25 | COLLEGE PA | thich | | |
| | I hold the right to extract oil or gas The requirement of Code 22-4-1-(c) (1) the | s. | 2750 | side for | -:4: | | |
| 7) | POYALTY PROVISIONS | | | | | | |
| | Is the right to extract, produce or market to or other contract or contracts providing for for compensation to the owner of the oil or of | the oil or gas based | ا شما | n a lease or | leases | | |
| | for compensation to the owner of the oil or of the volume of oil or gas so extracted, pr | as in place which i | s no | ny similar pr t inherently | related | | |
| | | Socied of Estates. | res | s No 22 | | | |
| | If the answer above is No, nothing a you may use Affidavit Form IV-60. | scritical is needed | . If | the answer i | s Yes, | | |
| | See the reverse side for line item inst | Timican and for a | - 0 | | 4 | _ = =================================== | |
| | The required copies of the Notice and A. Reclaration Plan. | pplication, plat, a | nd Co | enstruction a | ind ind | | |
| The truth of th | e information on the | WELL | | | | | |
| Notice and Appl | ication is verified | CPERATOR | 3T. | J Enterpr | ricac | TNG | |
| | d the Notice is | 1 NX | 0 | 100 | . ISCS, | 1100 | |
| in my County and | f of the Well Operator | Ву | Le | ud [- | 10 | 2ddelles | 0 |
| | Reddecliff | It s Address | | ignated A | | V | 0 |
| this 13 day of | February , 19 84. | Padress | | P.O. Box Buckhan | | V 26201 | |
| My comission | n expires 10/16, 1989. | Telepho | ne | 472-94 | | • 20201 | |
| Linda | S. Carfuld | | | • | | | |
| Notary Public | | | | | | | |
| State of W | est Vingua | | | | | | |

INSTRUCTIONS TO APPLICANT

CONCEPNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
 - 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-lb(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
 - 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
 - 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
 - 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-lk and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, 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-lk(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-lm, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that—

- the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

| Grantor, lessor, etc. Grantee, lessee, etc. | Royalty 3x | ok Pa | ce |
|--|---------------|-------|-----|
| James & Marceline Stemple To Beckler Energy to J&J Enterprises, Inc. | 1/2of1/8-1009 | 95 | 481 |
| Sherman & Mary Lindsey 1203 N. 13th St. | | | |
| Temple, Texas | 1/4of1/8-100% | 92 | 492 |
| Va. & Charles Boyles Rt. # 6 | | | |
| Caldwell, OH 43724 | 1/4of1/8-100% | 92 | 404 |

FORM IV-2(B) (Obverse) · 7-83

SURFACE OWNER'S COPY



| 1) | Date: | : ELLE WOLL | 7 42 | , 19 | |
|----|------------------------|-------------|-------|------|--------|
| 2) | Operator's Well No. | J-839 | REVIS | ED . | |
| 3) | API Well No. | 47 | 001 | 2017 | |
| | | State | Count | у | Permit |

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

| A) WELLT | YPE: A O | , | / Ga | e 30 | , | | | | | | | | |
|-----------------|-----------------|------------|----------------|-------------|-------------|---------------|------------|-----------------|--------------------|-----------|-------------|------------------|---------|
| 4) WELL I | | | | | | Undergro | ound stora | ge | / Deep _ | | / Sha | ıllow X | _/) |
| 5) LOCATI | | vation: | | | | Watershed | | lady Cre | | | | | |
| | | | Glade | | | County: _ | | bour | Quadrar | ngle: | esto: | rville | |
| 6) WELL C | PERATOR_ | Jaj | Enterp | rises, | Inc. | | 7) | DESIGNATE | ED AGENT | chard | Red | decliff | |
| Addre | | | O. Box | | | | | Address | P | .O. B | ox 4 | 9 | |
| | | В | uckhan | non, W | V 2620 | 1_ | | | B | uckha | nnon | , WV 262 | 01 |
| 8) OIL & C | AS INSPEC | TOR TO | BE NOTIF | TIED | | | 9) | | CONTRACTOR: | | | | |
| Name _ | Phi | illip | Tracy | | | | | Name | S.W. Jack | | ing | Company | |
| Addre | | | Festiv | | | | | Address | P.O. Bo | | | | |
| | Api | t. # 2 | 4, Elk | ins, W | V 2624 | 1 | | | Buck | hanno | n, W | V 26201 | |
| 10) PROPOS | SED WELL | WORK: | Drill | × / | Drill | deeper | / | Redrill | / Stimul | ate | | מחממו | 3 |
| | | | Plug of | f old forr | nation | / P | erforate | new formatio | n/ \ | 0315 | CIE | | U) |
| | | | | | | ell (specify) | | | | 1 | being being | 200 | |
| 11) GEOLO | GICAL TAR | GET FOR | | Fox | | | | | | | | | U |
| | mated depth of | | | 5 | 450 | | _feet | | | F | EB 2 | 1 1984 | |
| | roximate trat | | | 65 | | feet; | salt, | 0 | feet. | | | DIVICIO | VI. |
| | roximate coa | | | 125, 4 | 20 | | Is coal be | ing mined in th | he area? Yes | OIL | & u.A.S | No | • |
| 15) CASINO | | | | | | | | | | E 37 | . 0 | - MINI | ES |
| CASING OR | - | | CIFICATIONS | | - 11 | FOOT | AGE INTER | VALS | CEMENT FIL | L-UP | | PACKERS | |
| TUBING TYPE | Size | Grade | Weight per ft. | New U | Jsed | For drilling | - 1 | Left in well | OR SACK | | | | |
| Conductor | 113/4 | H-40 | 42 | ж | | 30 | | 0 | 0 sks | | Kinds | | |
| Fresh water | 8 5/8 | ERW | 23 | х | 1 | 000 | | L000 | To surfa | ce | 115 | | |
| Coal | 8 5/8 | ERW | 23 | ж | 1 | 000 | | 1000 | To surfa | ce | Sizes | | |
| Intermediate | | | | | | | | | | 7 | Size o | | |
| Production | 44 | J-55 | 10.5 | ж | 54 | 50 | | 5450 | 325 sks | | Depths se | t | |
| Tubing | | | | | | | | | 2202 | | Depins se | | |
| Liners | | | | | | | | | | 1 17 | Perforation | ons: | 4 |
| Liners | | | | | | | | | | | Тор | Botto | om |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | " | | | |
| | | | | | | | | | | | | | |
| | The l | aw require | es a comme | ent period | for surface | e owners. I | However, | the permit ca | n be issued in les | s than 15 | days fr | om | |
| | the filing of | of the App | olication if | the surface | e owner(s) | of record si | ign(s) the | | oluntary Statemen | | | | |
| | on a facsi | mile of th | is surface | owner's co | py of the | Application | n. | | | | | | |
| | | | | VOLU | NTADVC | TATEME | NT OF N | о овјестіс |)N | | | | |
| | | | | VOLU | NIARIS | TATEME | NI OF IN | OODJECIIC | | | | | |
| I hereby s | state that I ha | ve read th | e instructio | ns to surfa | ace owners | on the rev | erse side | of this Applica | ation for a Well V | Work Per | mit, and | d that I have r | eceived |
| copies of (1) a | Notice of Ap | plication | for a Well | Work Pern | nit on Forn | m IV-2(A), | (2) an Ap | plication for a | a Well Work Perr | nit on Fo | orm IV-2 | 2(B), (3) a surv | |
| | | | | | | | | | ork on my surfac | | | | |
| | state that I ha | ve no obj | ection to th | e planned | work desc | ribed in the | ese mater | ials, and I hav | e no objection to | a permi | t being i | ssued based o | n those |
| materials. | | | | | | | | | | | | | |
| (For execution | by corporat | ion, partn | ership, etc | .) | | | (For exe | cution by natu | ural persons) | | | | |
| (2 Of CACCULION | . oj corporat | , parti | , cic | | | | | | 12 | - 1 | 1 | , | 11- |
| NAME: | | | | | | | >- | nes t | o the | no | le | Date: 2 | 13/86 |
| D. | | | | | | | 1 | 1 | (Signature) | A | | Daic. | - |
| Ву | | 13.7 | 1727 1 | 774/ | | | U | | | | | Date | |
| Its | | | | Date | | | | | (Signature) | | | _ Date: | |

INSTRUCTIONS TO SURFACE OWNERS AND EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT ON OIL AND GAS WELL WORK PERMIT

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (NOTE: If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

Where to file comments and obtain additional information:

Administrator of the Office of Oil and Gas West Virginia Department of Mines 1615 Washington Street East Charleston, West Virginia 25311 (304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be delivered on or before the date the operator files his Application. You have FIFTEEN (15) DAYS after the filing date to file your comments as provided in Methods for Filing Comments below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Methods for filing comments. Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- "(1) The proposed well work will constitute a hazard to the safety of persons; or
- "(2) The plan for soil erosion and sediment control is not adequate or effective; or
- "(3) Damage would occur to publicly owned lands or resources; or
- "(4) The proposed well work fails to protect fresh water sources or supplies."

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.



| 3) | API Well No. | State | | Cou | 23.00 | | Permit |
|----|------------------------|-------|------|-------|-------|--------|--------|
| 21 | API Well No. | 47 | _ | 001 | _ | 2017 | 200124 |
| 2) | Operator's Well No. | 440 D | -8 | 39 | | (8)\$- | ORNEL |
| 1) | Date: | Dece | embe | er 22 | 2 | , 19 | 83 |

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

| | D D | OII | D d | Jas | 1 1 1 | BENEROUS ALL SUFFI | AT THE CASE OF | DUTICATIONS A | CIM HIMHEL |
|--------------|--------------|-------------|-------------------|--|----------------|--------------------|------------------------|--------------------------|--|
| 5) LOCATI | ON. E | levation: | , Producti | on <u>x</u> | | Undergroun | d storage | / Deep | _/ Shallowx/) |
| o, Lociti | D. D. | istrict: | G. | 1230 | | County: | Glady Cre | ek | |
|) WELL O | PERATOR | J8 | J Ente | erpris | es Inc | County: | 7) DESIGNATE | Quadrangle: _ | Nestorville rd Reddecliff |
| Addre | ss | P | 0. Bo | ox 48 | es, inc | | Address | | |
| | | | | The state of the s | n, WV 2 | | Addiess | P.O. | |
| OIL & G | AS INSPE | CTOR TO | BE NOT | IFIED | | 0001 | 9) DRILLING C | CONTRACTOR | khannon, WV 2620 |
| Name _ | | Phil | lip Ti | cacy | | | Name | S.W. Jack Dr | illing Company |
| Addre | SS | Gene | ral De | liver | У | | Address | P.O. Box | 48 |
| | | | | | 26268 | | | Buckhanno | n that 5 people |
| PROPOS | ED WELL | WORK: | Drill_ | X | / Drill | deeper | / Redrill | / Stimulate X | MAG |
| | | | Plug o | off old f | ormation | / Perfo | orate new formation | / | 777 |
| GEO! OC | ICAL TAR | CETTON | Other | physical | change in we | ell (specify) | | | DEC 2 8 19 |
| 12) Fetim | ated donth | GET FOR | MATIO | ٧, | Fox | | | | OIL & GAS DIV |
| | area acptin | or comple | icu well, | - 54 | 50 | fee | t | | OIL & GAS DIVI |
| 14) Appro | oximate coa | l seam der | rresn, _ | 65 | 20 | feet; sa | lt,0 | feet. | DEPT. OF M |
| CASING | AND TUB | NG PRO | GRAM | 25, 4 | 20 | Is c | oal being mined in the | e area? Yes | DEPI. OF IVI |
| ASING OR | 1 | | CIFICATION | | | | | | |
| UBING TYPE | Size | Grade | Weight per ft. | 1 1 | Used | | INTERVALS | OR SACKS | PACKERS |
| ductor | 113/4 | H-40 | 42 | X | Used | For drilling | Left in well | (Cubic feet) | |
| h water | 8 5/8 | ERW | 23 | x | 1 | 30 | 1000 | 0 sks. | Kinds |
| | 8 5/8 | ERW | 23 | х | | .000 | 1000 | To surface | |
| mediate | | | | | | .000 | 1000 | To surface | Sizes |
| luction | 4½ | J-55 | 10.5 | х | 5 | 450 | 5450 | 225 1 | |
| ng | | | | | Section 7 | ROBBON | 3430 | 325 sks. | Depths set |
| rs | | | | | | | | OR AS R | EQ BY RULE 15. |
| | | 200113 | gant timb | wolin | one has a | occurrence | detroy for south | als human as a second | Perforations: |
| | 86.00 | | | | | | | EL CHOSSE 01 21 14 | Top Bottom |
| | BIRL I | | | | | Part of the second | Date | | |
| | | | | | | | 12 18 77 7 7 | | |
| | | | | -)49 | 075 | olloit | a face Spirit of St | | |
| | | | | | OFF | ICE USE C | ONLY | | Devices permeiter |
| | 47-0 | 01-201 | 7 | | DKII | LLING PE | RMIT | | |
| it number_ | 11-0 | 01-201 | 1 | | | | | January 1 | Vell work started |
| permit cover | ng the well | | | | | | | Data | HAR STATE |
| nents subjec | to the con | ditions co | and well | location | shown below | is evidence of | f permission granted | to drill in accordance | with the pertinent legal re- |
| Prior to the | construction | on of road | s, location | ns and pit | s for any ne | se hereof. Not | ification must be give | en to the District Oil a | with the pertinent legal re- nd Gas Inspector, (Refer to |
| t on and gas | inspector | 24 hours b | efore acti | ial permi | tted work ha | is commenced. | in addition, the well | operator or his contra | with the pertinent legal re- nd Gas Inspector, (Refer to ector shall notify the proper |
| e hereof | k is as desc | ribed in th | ne Notice | and Appl | ication, plat. | and reclamat | ion plan subt | | 1 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 |
| expires | Janua | ary 13, | 1986 | | | | ion plan, subject to a | any modifications and | conditions specified on the |
| | | | 1000 | | | _unless well w | ork is commenced pr | ior to that date and are | secuted with due diligence. |
| a: pour | 1 | | | 100 | | | | mat date and pro | secuted with due diligence. |
| I DUNL | Agent: | Pla | t: | Casing | Fee | | | | DALITE INSERT FIRE |
| | XA | m | 4/2 | nll | 1386 | 5 | -1 | | 1 |
| | | | | 777 | 1/000 | J | Yh. | 11111 | Reasons - |
| · · | | | | | | 11 | Jurgar | et J. Ha | esse |
| Keep one | copy of thi | s permit p | osted at t | he drillin | g location. | | Administ | rator, Office of Oil ar | nd Gas |
| | | | | | | | | | |
| ura. | | | The second second | | | | or instructions to the | | - Gus |

Permit





COUNTY SEE COPY

STATE OF WEST VIRGINIA

| | 21M/3642 (49/1971) (11/47) 8 9 7 9 | |
|--|---|--|
| | | NY) TO THE PROPOSED WELL WORK |
| A wolland | Underground storage Deep Water sheds Consider | |
| radisle:i_scoo ry/01e | County: Serious Quadr | District 4 CLobe 20 CL |
| | DESIGNATI DAGENT | WELLOPERATOR JUST CONCENTRATES INC. Address Page 18 or Co. |
| P.O. Stor 28 Constant | | 20 VVI 1797771105502 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 |
| | 9) PRILLING CONTRACTOR | OH & CAS MISPECTOR TO BE NOTIFIED |
| di Didilling Company | Name S.W. Jee | Name Continuo |
| REPORT THE | Address | 72 C C VVI 200 100 1 I I 200 200 200 200 200 200 200 200 200 |
| The Call z entro | dcoper Redrill Sum | PROPOSED WILL WORK DON X DEN d |
| 44 | Perforate new formation | |
| 8EC 2 9 198 | | Other physical change in well GEOLOGICAL TAKGETFORMATIONS SOC. |
| OIL & GAS DIVIS | [pet | 12) Estimated depth of completed well. |
| DEPT. OF MIL | | |
| V 10 10 10 10 10 10 10 10 10 10 10 10 10 | edgs being affect in the area." Yes _ | 14) Approximate coals caps depicts: 121, 220 coals CASING AND TUBING PROGRAM |
| | POOLVE INTERNATE. SICA STANSON CO | PECHICATIONS |
| RA L | Det 90 | |
| eth Kinte | | ### ### ### ### #### ################# |
| TASM Sever | | |
| of the Contract of the Contrac | | afalto |
| SAS manage | 130 3450 8255 | 7.3 1/2 2.02 38 U/ 32 1/40 |
| IS REG BY RUE IS | OFFICE USE ON | NLY |
| Particular | of contain occurrent | ces and any follow-up inspections. |
| This part of Form IV-2(b) is to | o record the dates of certain occurrence | ces and any terror of |
| | Date | Date(s) |
| | T-11- | increation(s) |
| Application received | CE USE ONE A | ow-up inspection(s) |
| I | LING PERMIT | 1,11AC |
| Well work started | | |
| Completion of the drilling | | and covering the wall operator and well localing shows below to low cuts subject to the conditions contained herein and on the reverse driver to the contained by the contained of the contained |
| process manifed and directions | the political permission granted to drift in acc | the gradient of the conditions and well local including the reverse conditions conditions conditions conditions conditions conditions are the reverse of an expected for the restriction of the restriction |
| Wall Record received | print wark. In addition, the well operator of h commenced.) | this subject to the conditions configured become and on the reverse of the coverse of the coverse of an artist and the coverse of an artist and permitted work has an and an artist of the coverse of the |
| | and reclamation plan, subject to any enclift and | include work is aside cribed in the Notice and c policetion, place a larger |
| Well Reserved | | |
| Reclamation completed | | 9881 EL MANUEL EL suign |
| Reclamation completed 10 200 | unless well work is confimenced prior to that date | The state of the s |
| Reclamation completed | uniess well work is commenced prior to that date | repires Ognupry 134 1980 |

| ORT IV Z(A) | | 1) Date: December 22 ,1983 |
|-------------------|--|---|
| •, | | 2) Operator's |
| - | | Well No. J-839 |
| * | • | 3) API Well No. 47 - 001-2017 |
| | STATE OF WEST | State County Per |
| | DEPAPEMENT OF MINES, C | PETICE OF OIL & CAS |
| | | |
| 1 00000 00 | NOTICE OF APPLICATION FO | R A WELL WORK PERMIT |
| | VER(S) OF RECORD TO BE SERVED | 5(i) COAL OPERATOR |
| (i) Name | James P. Stemple | Address |
| Accress | Rt. # 2 | - ()) |
| List Name | Philippi, WV 26416 | 5(ii) COAL OWNER(S) WITH DECLARATION ON REC |
| (11) Name Address | | Name Hillman Coal & Coke Co. |
| 1201633 | · | Address Grant Bldg., Pittsburgh, Pa. |
| iii) Name | | C/O C.C. Cornelius, Trustee 15219 |
| Accress | | Address |
| | | |
| | | 5(iii) COAL LESSEE WITH DECLARATION ON RECOFF |
| | | Name Grafton Coal Company |
| | | Accress Hills Plaza |
| | T T = | Bridgeport, WV 26330 |
| | (1) The improvious for a till the improvious | e received this form and the following commence ECETIVE |
| | to be plumed, which sets out the | ut on Form IV-2(B) (or Form IV-4 if the well is |
| | cementing program: | and, it applicable, the proposed casing and |
| | (2) The plat (simpler's man) sharing at | IIFI: 2.8 1983 |
| | plug a well), which sets out the plan | n on com IV-9)unless the well work is only to |
| | | · Vai. |
| | WEIGH ARE SUMPRIED IN THE "DISTRUCTIONS" OF | IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION THE REPERSE SIDE OF THE COPY OF THE APPLICATION |
| | (FORM IV-2(B) OR FORM 4, DESIGNATION OF AUL. | HOWEVER, YOU ARE NOT PEQUIRED TO TAKE ANY |
| | Take rotice that under Chapter 22 of the | West Virginia Code, the undersigned well op- |
| | for a Well Work Fermit with the idining | the captilitation and accompanying documents |
| | and depicted on a racing form TV 6 | The Totalion described on attached Application |
| | Construction and Recipration Disa have i | . Did the Application, the plat, and the |
| | by hand to the person(s) named above (or by pubefore the day of mailing or delivery to the A | blication in certain circumstances) on or |
| | 6) DURACTION RIGHTS | |
| | Check and provide one of the following: | |
| | Included is the lease or leases or other I hold the right to extract oil or ga | continuing contract or contracts by which |
| | The requirement of Code 22-4-1-(c) (1) th | rough (4). (See reverse side for specifics.) |
| | /) POYALTY PROVISIONS | |
| | or other contract or contracts providing for | the oil or gas based upon a lease or leases r flat well royalty or any similar provision gas in place with in any similar provision |
| | to the volume of oil or gas so extracted, pr | r flat well royalty or any similar provision gas in place which is not inherently related |
| | | No A |
| | you may use Affidavit Form IV-60. | additional is needed. If the answer is Yes, |
| | See the repares side for | |
| | the required copies of the Notice and ? | equitions, and for instructions concerning explication, plat, and Construction and |
| The trith of | | plac, and construction and |
| Intice and in | the information on the | WELL |
| and swom to | plication is verified and the Notice is | OPERATOR J&J Enterprises, Inc. |
| signed on beh | alf of the Well Operator | 000000000000000000000000000000000000000 |
| in my County | and State by | The Certain May enclosing |
| R | ichard Reddecliff | Designated Agent Address P.O. Box 48 |
| nis made of | December , 19 83. | Buckhannon, WV 26201 |
| My comiss | ion expires 10/16, 1989. | Telephone 472-9403 |
| Kudh | 2 S. Cantield | |
| Notary Pub. | lic, upshuk County, | |
| State of | Wast Minister | |

_,:983

$\underline{I} \,\,\underline{N} \,\,\underline{S} \,\,\underline{T} \,\,\underline{R} \,\,\underline{U} \,\,\underline{C} \,\,\underline{T} \,\,\underline{I} \,\,\underline{O} \,\,\underline{N} \,\,\underline{S} \,\,\,\underline{T} \,\,\underline{O} \,\,\,\underline{A} \,\,\underline{P} \,\,\underline{P} \,\,\underline{L} \,\,\underline{I} \,\,\underline{C} \,\,\underline{A} \,\,\underline{N} \,\,\underline{T}$

CONCENING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
 - 4) Surface cwner(s) of record to be served with Notice and Application. However, see also Code § 22-4-lb(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
 - 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
 - 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
 - 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, 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 § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-lm, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d) IN LIEU OF FILING LEASE(S) AND OTHER CONTENUING CONTRACT(S)

Under the cath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that-

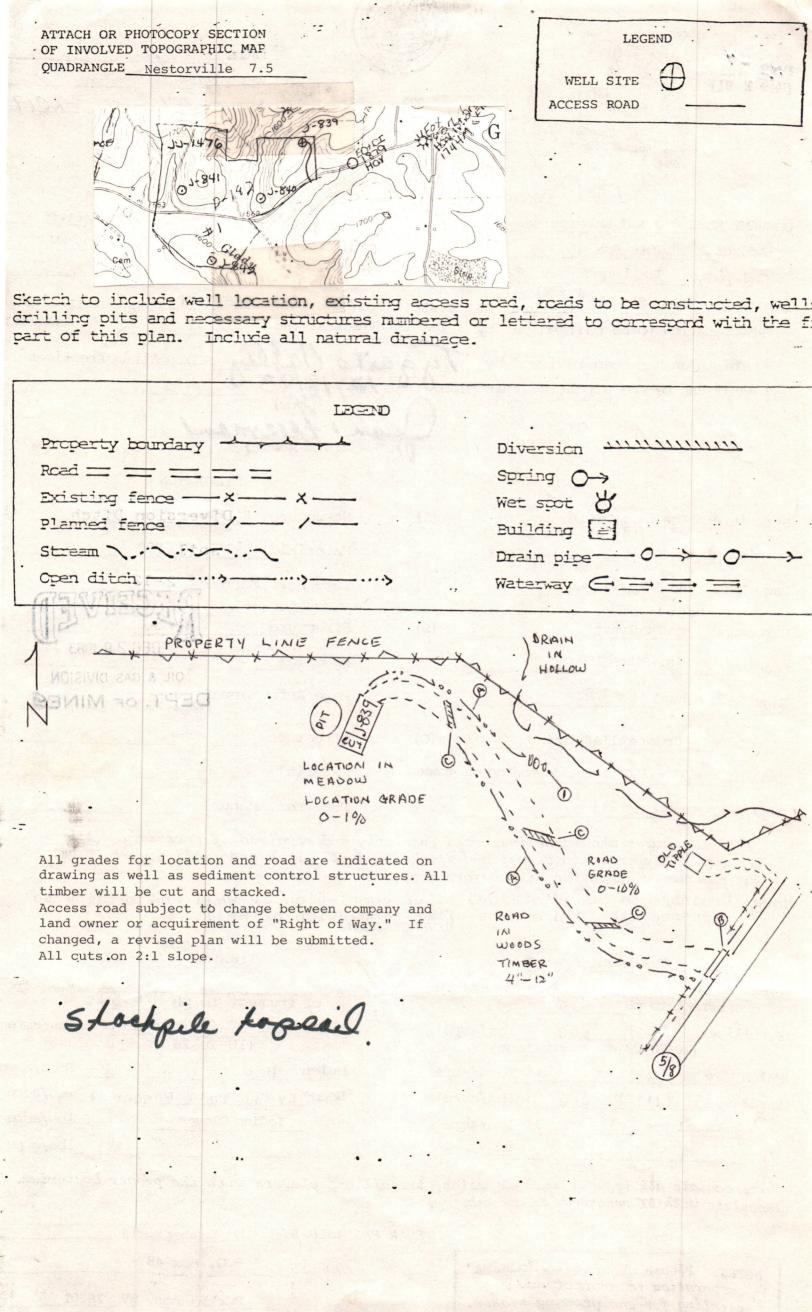
- the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

| Grantor, lessor, et | c. Grantee, lessee, etc. | Rovalty | 3cok Page |
|--|--------------------------|--------------|-----------|
| James & Marceline Stemple Rt. # 2 Philippi, WV 26416 | | 1/2-1/8-100% | |

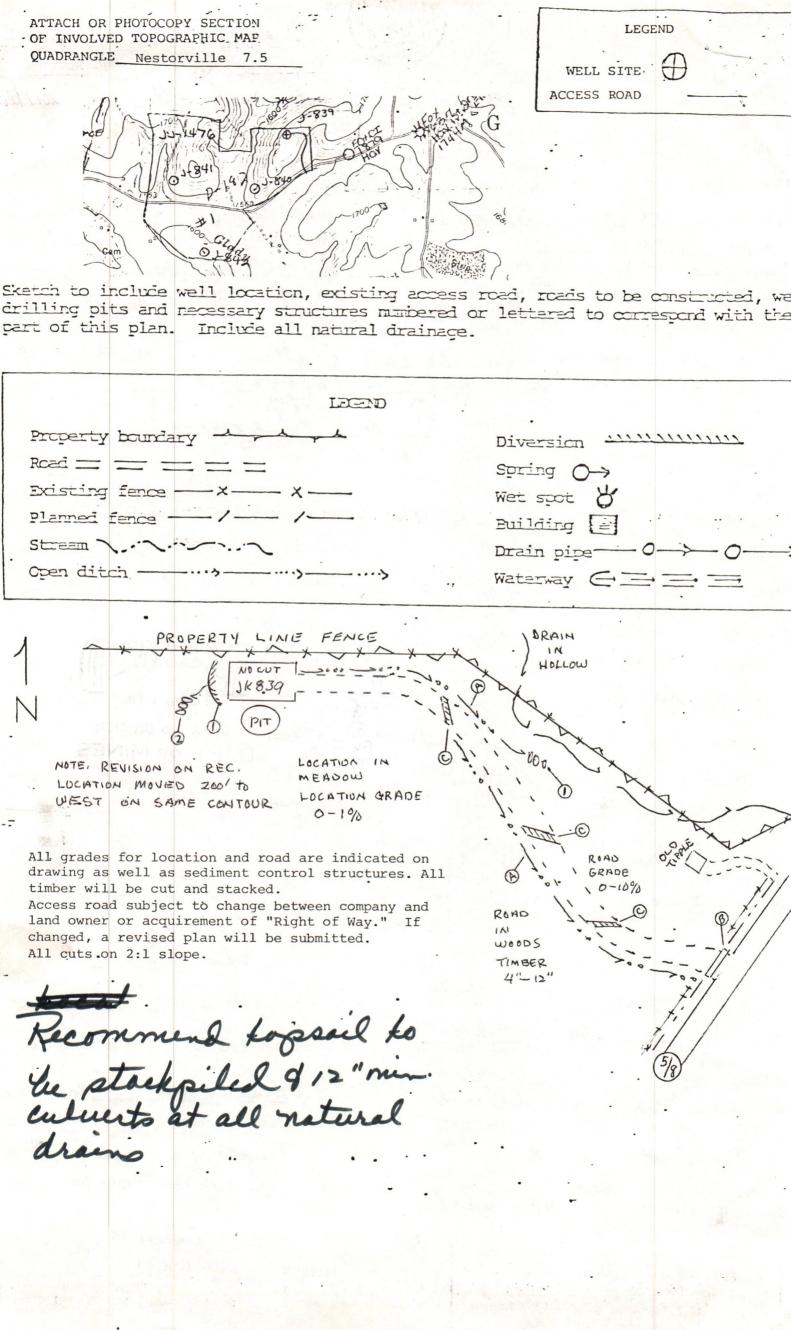
Sherman & Mary Lindsey 1203 N. 13th. St. Temple, Texas

1/4-1/8-100% 92 492

Va. & Charles Boyles Route # 6 Caldwell, OH 43724



| (5) | | | DATE 12/9/83 |
|---|------------|-------------|---|
| IV-9 | | | WELL NO. J-839 |
| (Rev 8-81) RECEIVED | נו דמת ו | H: | API NO. 47 - 001 -2017 |
| | | | API NO. 4 (001 /2011 |
| Tygart Valley Soil Conservation District Bepar | tment of A | Rines | |
| Oil an | id Cas Bit | Dision | |
| CONSTRUCTION | AND RECTA | MATTON PI | AN |
| | | | GENT Richard M. Reddecliff |
| COMPANY NAME J& J Enterprises, Inc. | - | | O. Box 48, Buckhannon, W |
| Address P.O. Box 48 | MC to the | - Service - | |
| Telephone Buckhannon, WV 26201 | - | Telephone | 472-3403 |
| T Ct l o | 416 | SOIL CONS | . DISTRICT Tygarts Valley |
| Revegetation to be carried out by J | &J Enterp | rises, Inc | (Agent |
| This plan has been reviewed by 1 | ygar | to class | Sco. All corrections |
| | / 1 / 1 | 11919 | 30 |
| and additions become a part of this plans | | (Date) | |
| | Lean | 1 7610 | man |
| | | (SCD Age | nt) |
| · · · | | | LOCATION |
| ACCESS ROAD | | | INCATION |
| Structure Drainage Ditch | (A) | Structure | Rip=Rap (|
| | | Material | Logs or stone |
| Spacing To be constructed along road | | raterial_ | |
| Page Ref. Manual 2-10 | | Page Ref. | Manual |
| | | | - GELV FIN |
| Structure Road Culvert | (B) · | Structure | |
| Spacing Min. Size 15" | | Material | DEC 2 8 1983 |
| Spacing | 1 | | OIL & GAS DIVISION |
| Page Ref. Manual 2-8 | | Page Ref. | Manua DEPT. OF MINES |
| 1116 200100 | (C) | Structure | |
| Stricture Cross relief drains | (C) | Structure | |
| Spacing 40' - 150' apart depending on gra | ade | Material | |
| Dof Manual 2:4 | | Page Ref. | Manual |
| Page Ref. Manual 2:4 | | | |
| All structures should be inspected | regularly | and repair | ired if necessary. All |
| commercial timber is to be cut and st cut and removed from the site before | dirt work | begins. | · Will Small tumber to |
| Note: Drainage to be maintained af | | | of well and seeding to |
| commence within 3 months aft | er comp | letion o | f well. |
| ROAD | VICEIMIC | | LOCATION |
| Treatment Area I | | | Treatment Area II |
| Lime 3 Tons/acre | 2 | Lime | 3 Tons/acr |
| or correct to pH 6.5 | | | rrect to pH 6.5 |
| Fertilizer 600 lbs/acre | | Fertilize | er 600 lbs/acre (10-20-20 or equivalent) |
| (10-20-20 or equivalent) | | | o mension |
| Mulch Hay 2 Tons/acre | 2 | | 14 |
| Seed* Ky-31 Tall Fescue 30lbs/acre | | | -31 Tall Fescue 30 lbs/acre |
| Annual Rye 10 lbs/acre | | L | adino Clover 5 lbs/acre |
| lbs/acre | | | lbs/acre |
| *Inoculate all legumes such as vetch, | trafa:1 | and alone | rs with the proper bacterium. |
| *Inoculate all legumes such as vetch, Inoculate with 3X recommended amount. | , crejott | · · | • |
| . I I WCaraco | | manana ar | P3 0 - 5:23 |
| | PLAN PRI | EPARED BY_ | Ed Summerfield |
| NOTES: Please request landowners'. | | ADDRESS_ | P.O. Box 48 |
| cooperation to protect new: | 7, | 1. 1 | Buckhannon, WV 26201 |
| seedling for one growing season. Attach separate sheets as | | · ; - | |
| a buto | · | חוו שוניטו | 472-9403 |



February 10, 1984 DATE J-839 REVISED WELL NO. Rev 8-81) API NO. 47 -State of Mest Hirguna Beparlment of Mines Bil und Bas Bivision CONSTRUCTION AND RECLAMATION PLAN DESIGNATED AGENT Richard M. Reddecliff J & J Enterprises, Inc. DMPANY NAME Address P.O. Box 48, Buckhannon, W P.O. Box :48 Address Telephone Buckhannon, WV 26201 472-9403 Telephone ANDOWNER James Stemple Box 61
Philippi, WV SOIL CONS. DISTRICT Tygarts Valley 26416 (Agent Revegetation to be carried out by J&J Enterprises, Inc. SCD. All corrections This plan has been reviewed by and additions become a part of this plan! LOCATION ACCESS ROAD Structure Rip-Rap (A) Structure Drainage Ditch Logs or stone Spacing To be constructed along road Material Page Ref. Manual Page Ref. Manual Structure Road Culvert (B) Structure Min. Size Material Spacing Page Ref. Manual Page Ref. OIL & GAS DIVISION Structure Cross relief drains Structure DEPT. OF MINES 40' - 150' apart depending on grade Spacing Page Ref. Manual 2:4 Page Ref. Manual 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. Note: Drainage to be maintained after completion of well and seeding to commence within 3 months after completion of well. LOCATION Treatment Area II Treatment Area I Tons/ac Lime Tons/acre or correct to pH or correct to pH 1bs/acre 600 lbs/acre 600 (10-20-20 or equivalent) (10-20-20 or equivalent) 2: Tons/ac 2 Tons/acre Mulch Hav Mulch Hay 10 lbs/acm Seed* Ky-31 Tall Fescue 30lbs/acre 5 lbs/acm Annual Rye 10 lbs/acre lbs/acn Birds 700t 10 lbs/acre *Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount. PLAN PREPARED BY Ed Summerfield NOTES: Please request landowners'. P.O. Box 48 ADDRESS

cooperation to protect new:

seedling for one growing season.

Attach separate sheets as:

Attach separate sheets as:

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

A CHARLEST AND A STATE OF THE S

Haverty: Perforations:5144-47(6 holes) 5164-67(6 holes)

Fracturing: 370 sks. 20/40 sand: 105 sks. 80/100 sand:

Elk: Perforations: 4788-99 (12 holes)

Fracturing: 350 sks. 20/40 sand:500 gal. Acid.

Benson: Perforations: 3922-25 (14 holes)
Fracturing: 300 sks. 20/40 sand: 500 gal Acid.

Riley: Perforations: 3768-74(14 holes)

Fracturing: 350 sks. 20/40 sand: 500 gal. Acid.

BOTTOM HOLE PRESSURE Pf=PweXGLS

 $t=60 = (0.0075 \times 5308) + 459.7 = 560 \times x=53.35 \times 560 = 29850 = 0.000034 \text{ Pf=1550 } \times 2.72^{(0.000034)}$

 $(0.620)(4468)(0.9) = 1550 \times 2.72^{0.08} = 1550 \times 1.09$

Pf=1690 psi

WELL LOG

| FORMATION COLOR HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS Including indication of all fresh and salt water, coal, oil and gas |
|------------------------------|----------|----------------------|---|
| Top Soil | 0 | 5 | |
| Sand | 5 | 106 | |
| Coal | 106 | 116 | ½" stream @ 170' |
| Sandy shale | 116 | 161 | 111 0 0001 |
| Coal | 161 | 165 | 1" stream @ 800' |
| Sandy shale & sand | 165 | 210 | G1- 0 14001 |
| Coal | 210 | 215 | Gas ck @ 1420' No show |
| Sand | 215 | 265 | G 1 0 0050 1 |
| Coal | 265 | 269 | Gas ck @ 2352 No show |
| Sandy shale & sand | 269 | 395 | |
| Coal | 395 | 399 | Gas ck @ 2935 No show |
| Sand & sandy shale | 399 | 560 | |
| Sandy shale & red rock | 560 | 780 | Gas ck @ 3868 No show |
| Sand & red rock | 780 | 1055 | |
| Sand & sandy shale | 1055 | 1210 | Gas ck @ 4175 No show |
| Sand | 1210 | 1250 | |
| Big Lime | 1250 | 1295 | Gas ck @ 5260 4/10-2" w/water |
| Sand & sandy shale | 1295 | 1675 | 84,000 cu.ft. |
| Sandy shale & sand | 1675 | 3125 | |
| Sand & sandy shale | 3125 | 3768 | Gas ck w/l tub down 2/10-2" w/wate |
| Riley | 3.768 | 3774 | 60,000 cu.ft. |
| Sand & sandy shale | 3774 | 3922 | |
| Benson | 3922 | 3925 | |
| Sand & sandy shale | 3925 | 4788 | |
| Elk | 4788 | 4799 | |
| Sand & sandy shale | 4799 | 5144 | |
| Haverty | 5144 | 5167 | |
| Sand & sandy shale | 5167 | 5570 _{T.D.} | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

(Attach separate sheets as necessary)

J&J Enterprises, Inc.

By:

4/10/84 Date:

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." IV-35 (Rev 8-81)





OIL & GAS DIVISION State of Mest Hirginia Well No.

DEPT. OF MINES

Bepartment of Mines

Farm Jam

Oil and Gas Division

API No. 47

Date Aprill0,1984
Operator's
Well No. J-839
Farm James Stemple
API No. 47 - 001 - 2017-R

(Continue on reverse side)

WELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

| LOCATION: Elevation: 1723 Watershed | Glady Cree | k | | |
|---|---|--|---|--|
| District: Glade County Barbo | our | Quadrangle | Nestorv | rille |
| | | | | |
| COMPANY TO T Dishousing The | | | | |
| COMPANY J&J Enterprises, Inc. ADDRESS P.O. Box 48 Buckhannon, WV 26201 | Caging | Used in | Left | Cement |
| DESIGNATED AGENT Richard Reddecliff | Casing Tubing | Drilling | | fill up Cu. ft. |
| ADDRESS P.O. Box 48, Buckhannon, WV 26201 | Size | DITTITING | III WCII | Cu. IC. |
| SURFACE OWNER James P. Stemple | 20-16 | | | |
| ADDRESS Rtt 2, Philippi, WV 26416 | Cond. | | dan man | |
| MINERAL RIGHTS OWNER Same | 13-10" | 20 | 0 | 0 sks. |
| ADDRESS | 9 5/8 | | | |
| OIL AND GAS INSPECTOR FOR THIS WORK Phillip | 8 5/8 | 1117.45 | 1117.45 | |
| Tracy ADDRESS Forest Festival Terrace ADDRESS Apt. 24, Elkins, WV 26241 | 7 | | | |
| PERMIT ISSUED 2/27/84 | 5 1/2 | 5307.80 | 5307.80 | 410 sks. |
| DRILLING COMMENCED 3/15/84 | 4 1/2 | 3307.80 | 3307.00 | 410 SKS. |
| DRILLING COMPLETED 3/22/84 | 3 | | 1 | |
| IF APPLICABLE: PLUGGING OF DRY HOLE ON | 2 | | and the second | |
| CONTINUOUS PROGRESSION FROM DRILLING OR | Liners | | Salan Balva | |
| REWORKING. VERBAL PERMISSION OBTAINED ON | used | | | |
| Fox | alt the secretarity conditions are on presented | Dep | +h | feet |
| GEOLOGICAL TARGET FORMATION | Dehever | and the party of the last of t | e Tools | ICCC |
| | Rotary x | | - | SAN TO SECURE AND ASSESSED ASSESSEDA ASSESSED ASSESSED ASSESSED ASSESSED ASSESSED ASSESSED ASSESSEDA ASSESSED ASSESSED ASSESSED ASSESSEDA ASSESSEDA ASSESSED ASSESSED ASSESSED ASSESSED ASSESSEDA ASSESSEDA ASSESSEDA ASSESSEDA ASSE |
| Water strata depth: Fresh170,800 feet; | | | | amana Na |
| Coal seam depths: 106-16,210-15,395-99,161-265-69 | 651s Coal | being nun | led In the | area: NO |
| OPEN FLOW DATA | | | | _ |
| Producing formation Haverty | Pay | zone dep | oth 5144-6 | feet |
| Gas: Initial open flowMcf/d | Oil: In | itial open | flow | Bb1/d |
| Combined Final open flow 641 Mcf/d | | | | |
| Time of open flow between init | ial and f | inal tests | hc hc | ours |
| Static rock pressure 1550 psig(surface | e measure | ment) after | er 96 hou | irs shut in |
| (If applicable due to multiple completion | | | 4788-9 | |
| Second producing formation Elk, Benson & F | Riley Pa | y zone der | oth 3922-2 | feet feet |
| Gas: Initial open flow Mcf/d | Oil: In | itial oper | flow | Bbl/d |
| Final open flow Mcf/d | Oil: Fi | nal open i | flow | Bbl/d |
| Time of open flow between init | tial and f | inal tests | sho | ours |
| Static rock pressurepsig(surface | e measurem | ent) after | hou | urs shut in |
| | | | | |

Parmit No.001-2017

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES



INSPECTOR'S WELL REPORTOIL & GAS DIVISION

DEPT. OF MINES

| different filosocia contrologica de procesa de la contrologica de la c | | | Fig. 2. (1997) Company of the compan | SECTION OF THE OWNER WAS ASSESSED. | des services of the one or work the source description | Characteristics of the Constitution of the Con |
|--|--|--|--|--|---|--|
| Company & J | Entresier | CASING AMD TUBING | DAILLING DEED IN | LEFT IN | PA | CXERS |
| Addresa | odining armonio registrollora anco se solitore anasona y su supporte produce produce solito i suscepti ne messa | Size | | | | A STATE OF THE STA |
| Farm James + | Stomple | 16 | | And the second section of the section o | Kind of P | acker |
| | the six a collision of the first time with the second seco | 13 | BOOKS J-VOMSKOTALISEA SIGN TANISHIN JIMAN LIA KI ISBATI O SIANTI BANGU AN FA | | | |
| Well No 2839 | | 10 | | and the state of t | Size of | MATERIAL STATE OF THE STATE OF |
| District Shell | County Barbaur | 81/4 | | | | en e |
| Drilling commenced | | 6% | | - | Depth set | The State of the Cold State of |
| | | 5 3/16 | | | | |
| Drilling completed | Total depth | - З приможения простигности поставления прости | | | Perf. top_ | |
| Date shot | Depth of shot | 2 | | | Perf. botto | |
| Initial open flow | /10ths Water inInch | Liners Used | Control of the Contro | The state of the Contract of the state of th | Perf. top | Revenue County of A Print Co. Lat. 10 12 1 |
| Open flow after tubing | /10ths Merc. inInch | ##ETHAN-CHUNGURSIDES TORRESCONGENERALIS IN CONTRACTOR C | | | Peri. botto | TT boundaries and one of |
| Volume | Cu. Ft. | CASING CEMEN | NTED | SIZE | No. ET | |
| Rock pressure | lbshrs. | NAME OF SER | | | me. L. D. V. Lemmanne | entranscentistic d |
| 001 | bbls., 1st 24 hrs. | COAL WAS EN | COUNTERED | AT | FFFT | PAPET T |
| Fresh water | feet | | | | | |
| Salt water | | | | | | |
| TORING CONTROL OF BEEN ADDRESSED OF BEEN AND AND AND AND AND AND AND AND AND AN | ABBRITANI KATERAN JANGSER ILI KATERAN JANGSER JANGSER JANGSER JANGSER JANGSER JANGSER JANGSER JANGSER JANGSER J | FEET | S.D. O V.L. Lamundersconsonsons | | normalise announce of the second | INCH |
| Orillers' Names | | d mental signal personal and a transfer or has been supported by a particular | and the state of t | The sensors of the Control of the Co | | , |
| Remarks: M | | carra filmaniminani anasani ani manasani | THE OTHER HELD SECTION FOR PLANT TAXABLE PARENCE AND RESERVE AND R | ellermannakunnaksennaksenrien kenal-kalassi-seka | Management of the state of the | |
| merry se | ig & drelling at 100 p. | 71 | | | | |

3-15-84

Phillip Divey

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

| RMing Material Used | | | ADDRESSC | | | | |
|--|--|--|--|---|--|--|--|
| RMing Material Used | | | | | | | |
| ing Material Used | | DISTRICT | | | | | |
| | | | | JUNIY | | | |
| | erenne strukt sillet 194, signet seit sille sill sille 40 men norrier til navstuden i till sille a tenant | | | | | | |
| er Local | | A ARTHUR CONTROL OF A STATE OF THE STATE OF | man man ha confunction and a service and an appeal and an area for a particular to the service of a service of the confusion and the the confusion a | Personance Varia Warnes Appleance and a personal part of the personal part of the personal personal part of the personal part of the personal personal part of the personal part | Mille dan tyry is missing cits and discount, on an an iss | DESCRIPTION OF THE PROPERTY OF | |
| | ion | Amount | Packer | Location | | | |
| | PLUGS USED AND DEPTH PLACED | | BRIDGES | | | | |
| CEMENT-THICKNESS | WOOD-SIZE | LEAD | CONSTRUCTION-LUCATION | RECOVERED | SIZE | LOST | |
| BOMENTAMONE CONTINUE CONTINUE AND CONTINUE AND CONTINUE AND AND CONTINUE CONTINUE AND CONTINUE A | PARTINI CHIEF IET SELEPTAMENTE SELIMPECCIÈCNE ZUMENO (LI DE MINIMECCIAZIONE). | outstandings and received and reconstructed and and and and and and and and and an | MANANCHINA MATANTINE PARTE PROPERTY CONSULATE RESERVICE PORT MAN PROPERTY AS SECULATED EXTREME AND ANALAS AS SECULATED EXTREMENTAL PROPERTY AND ANALAS AS SECURITION AND ANALAS AS SECURIT | | and other metalogues and second | REALIST CARREST CONTRACTOR OF THE CONTRACTOR OF | |
| | | | | | | | |
| | | | | | | · | |
| ship in a manufactura marishin dalama diciplantis manunan and a manunan adamenta misametan matamata dalam and a | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | Name States and the State of th | |
| | | 3. | | | | | |
| | | | | | | | |
| Stronger and the Assistance of Control of Co | | Officers at the transfer to the second secon | | | | Married to an Australia and a spirit of | |
| | | | | | | | |
| | | TO THE RESERVE OF THE PROPERTY | Etherweed GPE Stag Corpt Associated by an Till Stage Company of the Corpt Company of the Corp | AND | COLOR OF THE COLOR | enginekse vita konyonekse pendenduruk 1 konyolitar urba kisakalandanga Yasakalan | |
| ers' Names | On Anoption America (Construction Construction Constructi | | | erijen in met sperite nerhand en en de Gran (dan 19 kann tie optensprant) e ver ander | | | |
| TO THE RESIDENCE OF SECURITIES OF THE PROPERTY | THE PART OF THE PA | TERRITORIA (AT ACTIVITY OF STREET, ACTIVITY OF | | | | Defraction to the second shape were | |
| arks: | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| DATE | nereby certify I v | isited the abov | e well on this date. | | | | |

DISTRICT WELL INSPECTOR

DEPARTMENT OF MINES



OIL & GAS DIVISION

INSPECTOR'S WELL REPORPET. OF MINES

| Parmit No.C. O. Lander | | er later in van en gegen een gebruik daar van de Stade verste daar de Stade van de Stade van de Stade van de S | ENERGY STATE OF THE STATE OF TH | | r Gas Weil | PHARMACHINA COMPANIA |
|------------------------|--|---|--|--|------------------------|--|
| Company g + g | lipsion | CASING AND | DAILLING USED IN | LEFT IN WELL | PACK | ERS |
| Address | | Siza | | Approximate serial to . | | |
| Farm Janus | Stomelis | 16 | | | Kind of Pac | C Transportation |
| Well No. 839 | | 13 | THE MEN THE SECOND SECO | | | |
| District Shale | County Baslaus | 81/4 | an garagina galantura daga Chiranda na sa a a su un managana a ca un con- | | Size of | |
| | County Settient | 6 % | 1130 | 1130 | 285 Sk de Depth set | amening films on a construction of |
| Drilling commenced | | 5 3/16 | | | | Washing 2004 Behavior of Jacob and to Large |
| Drilling completed | Total depth //370 | 3 попостательность становый дост | | | Perf. top | Making Makanga 1,020 mengan menganangan |
| Date shot | Depth of shot | Радиоская на сности не стительностью на населения на на населения на населения на | | | Perf. bottom | CONTRACTACION DE CACESA DE |
| Initial open flow | /10ths Water inInch | Liners Used | | | Peri. top | |
| Open flow after tubing | /10ths Merc. inInch | | | | Peri. bottom | |
| Volume | Cu. Ft. | CASING CEME | ENTED | SIZE | No. FT. | Dat |
| Rock pressure | lbshrs. | NAME OF SE | RVICE COMP | ANY | | Difference and the second contract of the sec |
| Oil | bbls., 1st 24 hrs. | COAL WAS E | NCOUNTERE | D AT | _FEET | INCHE: |
| Fresh water | feetfeet | FEET | ·INC | HES | FEET | INCHES |
| Salt water | feetfeet | FEET | INC | HES | _FEET | INCHES |
| Drillers' Names | GOLD MORNING CONTROL OF THE CONTROL OF THE THE CONTROL OF THE CONT | mendermannen, jaarn minderde kalt han jour de jaar keit ja | al Audi Participa Periodo (Colonida Colonida Col | et entrette de la company | | 1006143245254 |
| Diniers Names | ти и при при при при при при при при при | ettin tiil 17 jarragaan vanus tiise riinimaa jann 1 taalee meeler asada gabliin kaa jalka | comment in Augustus Marian (Augustus Augustus Au | SE HER HEISTER UN FARMAUCH WITH BEFORE AND UNIQUE VINE | | COMMISSION NORMAN CONTRACTOR STREET, MANAGEMENT |
| Remarks: | | ermonimus ten beraus (sella Perantic Twens Lind Gerte un annon cetto a vebera | EMPA-VINANNIIKAS ISOMANIA SIKA SIKA SIKA SIKA SIKA SIKA SIKA SI | CONCERNING AND THE METERS OF THE STATE OF TH | | POX MORNING CONTRACTOR |
| | | | | | | |

3-16-84

Pelly Story

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

| Permit No. | | | | We | ell No | | | |
|--|--|--|---|--|--|--|--|--|
| COMPANY | rtarrigi andres were mente consideration (2004). Il done il mello del provincio come | | ADDRESS | | | | | |
| | | | CTCOUNTY | | | | | |
| Filling Material Used | | | | | | | | |
| | cation | Amount | Packer | Location | | | | |
| PLUGS USED AND DEPTH PLACED | | | BRIDGES | | G AND TU | | | |
| CEMENT-THICKNESS | WOOD-SIZE | LEAD | CONSTRUCTION-LUCATION | RECOVERED | SIZE | LOST | | |
| | | | наменя можения со ответства на ставления стране при стране от от от ставительного ставительного ставительного с | AND THE RESIDENCE OF THE PROPERTY OF THE PROPE | BANGER CEARINGER ZWA LEGISLE SAN THE | CONTRACTOR STATES | | |
| | er en | | | | | englisterali acceptationaged despetations ratio a | | |
| | and and the second seco | A TO CHAIN ESTA BEAUTIFUL CONTRACTOR OF THE STATE OF THE | | | | | | |
| 0.000 | nementer des descentations de la company | | | | | An and the second second second | | |
| | MENDELS CONTROLS CONT | | | | | Contraction of the Contraction o | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | What continues to the design | | |
| | | | | | | Marco and action agreement course who colder | | |
| | | | | | | No an and a source proper stable as the confidence through the | | |
| The control of the state of the | elle production de la company | The second secon | | period solitions, special programmer and programmer and period solitions and period solitions are solitions and period solitions and period solitions are solitions are solitions are solitions and period solitions are so | The intercommunities which are a many many for many many and the intercommunities of the intercommunit | Million de la companya del la companya de la compan | | |
| llers' Names | annualineasian (alla propose contrato de comercia de la comercia del la comercia de la comercia del la comercia de la comercia del | | | | | | | |
| narks: | | | | | | ME COMMO AND STREET, MAN TO COLUMN STREET, CO. CO. CO. | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

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

DATE

DEPARTMENT OF MINES



OIL & GAS DIVISION

INSPECTOR'S WELL REPORTDEPT. OF MINES

| Permit No. 00/-20/ | | 11/452 A | | Oil of | Gas Well | |
|---|---------------------|----------------------|---------------------|---|----------------|----------|
| ompany 9 4 9 E | utespresu | CASING AND TUBING | USED IN DRILLING | LEFT IN | PACKER | |
| ddress | | Size | | 2 | | |
| arm James | Struple | 16 | | | Kind of Packer | 1 to 2 |
| ell No. 2 839 | , | 13 | 4. | | | |
| strict Glade | County Barbaur | 81/4 | | | Size of | |
| illing commenced | | 65% | | | Depth set | - |
| illing completed | Total depth | 5 3/16 | | | | |
| e shot | Depth of shot | 3 | | A STATE OF STATE OF | Perf. top | 777.2 |
| and the common water of the common state of | /10ths Water inInch | Liners Used | | | Perf. bottom | |
| | /10ths Water inInch | | | | Perf. bottom | |
| ıme | | | | | an potential | |
| pressure | Cu. Ft. | CASING CEMEN | | SIZE | No. FT | Dat |
| 15 445 | _lbshrs. | NAME OF SERV | ICE COMPAN | Y | | 24 22 14 |
| | bbls., 1st 24 hrs. | COAL WAS ENC | OUNTERED A | Т | FEET | NCHES |
| | feet | FEET_ | INCHE | 3 | FEETI | VCHES |
| water | feet feet | FEET | INCHE | SI | FEETI | NCHES |
| ers' Names | | | | | | |
| 10 | | | | | | 700 |

3-22-84 BATE DISTRICT WELL INSPECTOR

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

| COMPANY | | | ADDRESS | | | 52A 55,0 | |
|--|--|--|--|--|--|----------------|--|
| and the second s | 200 m | A STATE OF THE PARTY OF THE PAR | of the second | geland de megad delawa in bed | Standard New W | | |
| FARM | Strain Printer | DISTRICT | CO | UNTY | | | |
| Filling Material Used | 4.534 | | | e de la composition della comp | Addition to | | |
| Liner Lo | eation | Amount Packer Location | | e gasta ania. | | | |
| PLUGS USED | AND DEPTH PLACED | | BRIDGES | CASING AND TUBING | | | |
| CEMENT-THICKNESS | WOOD-SIZE | LEAD | CONSTRUCTION-LOCATION | RECOVERED | SIZE | LOST | |
| | | | | a section of | and the group of the second second | estat per : | |
| | the second care and the second | | | and the second s | , | astron grade | |
| | | | 1164.1 | | atera ere si versi | - 5 (6.7) | |
| | ture of the state of the state of | | | ga gagayar ka Lulua | served toright | | |
| | | | | STATE SECTION | er een kan seeden. | esta essa esta | |
| | | | | Carlos Carlos | | erita vet | |
| Approximately the second secon | | | | | 47.55 | | |
| | | | | | | 3001 80100 | |
| | | | TEN may a management of the second | | | | |
| Tage | the same and the same of the s | | A CONTRACTOR OF THE CONTRACTOR | a to the section | | | |
| rillers' Names | and the second s | | The second secon | | | | |
| | | Carrie in | 18 July 18 Land Comment | | | | |
| emarks: | and the process was the second discussion. | | | | | | |
| | Communication of the second | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

DISTRICT WELL INSPECTOR

DEPARTMENT OF MINES



OIL & GAS DIVISION

INSPECTOR'S WELL REPORT

DEPT. of MINES

| mpany 244 | Enterprise | CASING AND TUBING | USED IN DRILLING | LEFT IN | PACKERS |
|--|---------------------|---------------------------------|--------------------------------|---------------------------------------|----------------|
| dress | | Size | VARIO - REPORTED TO A STATE OF | | |
| m James | Stemple. | 16 | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | Kind of Packer |
| No. 1839 | | 13 | | or or the line | |
| on n | | 10 | | | Size of |
| rict Ilade | County Desfaur | 81/4 | A PROPERTY OF THE LOSS OF | and No. | |
| ing commenced | | 65% | | | Depth set |
| ng completed | Total depth | 5 3/16 | | | |
| shot | | 3 | | was argued to a served. | Perf. top |
| e in the first service trapper in a contract term. | | 2 | 100 | | Perf. bottom |
| | /10ths Water inInch | 1 | | | Perf. top |
| flow after tubing | /10ths Merc. inInch | | | | Perf. bottom |
| pressure | Cu. Fthrs. | NAME OF SERV | | | No. FT. |
| | bbls., 1st 24 hrs. | COAL WAS ENC | OUNTERED A | т , | |
| water | feetfeet | FEET_ | | | FEETINCI |
| ater | | | INCHE | 5F | FEETINCI |
| | feetfeet | FEET_ | INCHES | | EETINCH |
| | | The second of the second of the | 11101113 |)F | INCI. |

N GAS POLYMAN S

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

| COMPANY | | | ADDRESS | | | |
|---|--|------------------------|--|--|----------------|--|
| FARM | and the second s | DISTRIC | and the second s | COUNTY | | -, -, -, -, -, -, -, -, -, -, -, -, -, - |
| Filling Material Used | 3 | | | COUNTY | | |
| iner Loc | ation | Amount | Packer | Location | 1 | enge moden e |
| PLUGS USED AI | ND DEPTH PLACED | | BRIDGES | CASIA | G AND T | UBING |
| CEMENT-THICKNESS | WOOD-SIZE | LEAD | CONSTRUCTION-LOCATION | RECOVERED | SIZE | LOST |
| | | | Les Carres | | | ey was said |
| (E. 190 A) | | | | | المعودين | 10/0 - 3/4 |
| | | | , sign | | | dayerê 56 |
| | | | | a la Marco | J | |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | e Links | | |
| | | | | | | Hurin save |
| | and the same of the same | | | | | |
| No. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | |
| | | | | | | |
| Salar Salar Salar | | | | | | |
| rillers' Names | | | | and the second second | | |
| | 11100 | | | The state of the s | and the second | |
| emarks: | Like young comment of the second | variety to the west CW | Property and the second | | | |
| | | | | | | |
| | | | | | | |
| | 9 | | | | | |
| | | | | | 13 | |
| | | | | | | |
| | | | | | | |
| | | | ove well on this date. | | | |





DEPT. OF MINES

June 7, DATE

State of West Birginia

Bepartment of Mines Gil and Gas Bivision

Charleston 25305

| | | 2* | NSPECTION RE | | | | | |
|----------|----------|---|--------------|------------|--------------------|-------------------|------------|----|
| | | | COMPLIANCE 1 | REPORT | | | | |
| COMPANY | J & J | Enterprises, Inc. | | PERMIT NO | 001 | -2017-R | (2-27-84) | |
| P. O. | Box 48 | | | FARM & WE | LL NO _ | James St | emple #J- | 83 |
| Buckha | annon, W | est Virginia 26201 | | DIST. & C | OUNTY _ | Glade | /Barbour | |
| | | | | | IN (| COMPLIANC | E | |
| RULE | | DESCRIPTION | | | YES | | NO | |
| 23.06 | Notific | ation Prior to Start: | ing Work | | C | | | |
| 25.04 | Prepare | d before Drilling to | Prevent Was | te | | | | |
| 25.03 | High-Pr | essure Drilling | | | | | | |
| 16.01 | Require | d Permits at Wellsit | e | | | | | |
| 15.03 | • | e Fresh Water Casing | | | | | | |
| 15.02 | | e Coal Casing | | | _ | | | |
| 15.01 | | e Production Casing | | | - | | | |
| 15.04 | | e Cement Strength | | | V | · _ | | |
| 15.05 | Cement | | | | | | | |
| 23.02 | | ned Access Roads | | | | | | |
| 25.01 | | ary Equipment to Prev | ent Waste | | | | | |
| 23.04 | | med Drilling Pits | 11 | | | | | |
| 23.05 | | ace or Underground P | | Dis-lis- | - V | | | |
| 23.07 | | ements for Production | & Gathering | ripeline | s | | | |
| 16.01 | | ecords on Site | • | | | | | |
| 16.02 | | ecords Filed | | | | | | |
| 7.05 | Identi | fication Markings | | | | | 2.5 | |
| I HAVE I | NSPECTE | THE ABOVE CAPTIONED | WELL AND RE | COMMEND 1 | THAT IT | BE RELEA | SED: | |
| | | | | SIGNED | Jan 4 | REM | | |
| | | | | DATE | 5.31 | 1-85 | | |
| Your wel | 1 recor | d was received and re , Article 4, Section | clamation re | equirement | ts appr ll rema | oved. In in under | accordance | 2 |
| coverage | for th | e life of the well. | | 1-2 | 1 | il & Gas | 96 | |

APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)

| 1.0 API well number: | i | | | | |
|---|-----------|--------------------------|----------------|------------------|-------------------|
| (If not assigned, leave blank. 14 digits.) | i | _47 | - 001 - 2017 | R - 0000 | |
| 2.0 Type of determination being sought: | | | | | |
| (Use the codes found on the front | 1 | | 103 | N/A | |
| of this form.) | i | Sec | tion of NGPA | Category Code | |
| 3.0 Depth of the deepest completion | | | | | |
| location: (Only needed if sections 103 | 1 | | 4799 | | |
| or 107 in 2.0 above.) | ! | | | feet | |
| 4.0 Name, address and code number of | | | | | |
| applicant: (35 letters per line | т. і | & J Enterpris | es Inc | | 009480 |
| maximum. If code number not | Name | o micorpita | 007 1110. | | |
| available, leave blank.) | | O. Box 697 | | | Seller Code |
| | Street | | | | |
| | | diana | 1 | Pa. 1570 | 1 |
| | City | | Stat | | |
| 5.0 Location of this well: [Complete (a) | | | 8181 | e Zip Coc | ie |
| or (b).] | | 200 | | | |
| (a) For onshore wells | Field N | | | | |
| (35 letters maximum for field | | rbour | | WV | |
| name.) | County | | Stat | | |
| (b) For OC: hells: | 1 | | Sixt | е | |
| | I N/ | ' A | | | |
| | Area Na | | | Block Num | has |
| | | | | DIOCK IVAII | 1061 |
| | 1 | Dat | e of Lease: | | |
| | i | L I I | e of Lease: | | |
| | 1 | Mo. | Day Yr. | 000 | |
| (c) Name and identification number | i | 10.7. | Day II. | OCS Lease Number | |
| of this well: (35 letters and digits | 1 J- | 839 | | | |
| maximum.) | ! | | | | |
| (d) It code 4 or 5 in 2.0 above, name | | | | | - |
| of the reservoir: (35 letters | _ N/ | Ά | | | |
| maximum.) | ! | 21 | | | |
| 6.0 (a) Name and code number of the | | | | | |
| purchaser: (35 letters and digits | 1 | | | | |
| maximum. If code number not | I To | nnessee Cas D | ipeline Compar | 777 | |
| available, leave blank.) | Name | THICKNEY OUS I | The Compan | IY | Guyar Caria |
| (b) Date of the contract: | 1 | | | | Buyer Code |
| | | | | | |
| | i | | Mo. Day | Yr. | |
| (c) Estimated total annual production | 1 | | THO, ISHY | | |
| from the well: | ! | | | Million Cubi | a Faa. |
| | , | | | William Cubi | C reet |
| | | - | | (c) All Other | 1 |
| | ! | (a) Base Price | (b) Tax | Frices [Indicate | (d) Total of (a). |
| | ! | | | (+) or (-).] | (b) and (c) |
| 7.0 Contract price: | | | | | |
| (As of string date. Complete to 3 | S/MMETU | 2 8 7 9 | 2 7 8 | | 3 1 5 7 |
| dec:mal places.) | | m. 1.730 • more name and | | | |
| 8.0 Maximum lawful rate: | 1 | | | | |
| (As of filing date. Complete to 3 | S/MMBTU | 2.879 | 2 7 8 | | 3 1 5 7 |
| decimal places.) | 1 | | | | |
| O.C. Person responsible for this application: | 1 | | | | L |
| | i R | ichard J. Kli | ne | Secreta | arv |
| Agency Use Octly | Name | 7.0 | | | |
| Date Received by Juris, Agency | 1 | Treha | R J. Klin | re- | |
| | Signature | | | | |
| Date Received by FERC | | -13-84 | | (412) 349 | 9-6800 |
| | | dication is Completed | | Phone Number | 2 303/ 0 |
| FRC-121 (8-82) | | | | Thore williper | |

| PARTICIPA WELL OF | ANTS: | 4 | MAY 1 5 1984 | Suc. | BUYER-SELLER (|
|----------------------|---------------------------------|----------------------|-------------------|-----------------------|-------------------|
| FIRST I | PURCHASER: | Jennessee & | | | |
| OTHER: | | | | | |
| 840 Uso Al | LL DETERMINATION 418 -103 -0 | n all Communications | QUALIF | IED | |
| | | EACH ITEM AS COMPI | LETE OR NOTE WHA | T IS MISSING | |
| 17EM NO | - | Items no | ot completed - L | ine No | |
| | | | | | |
| 3. | | it | | | |
| 4. | | | | | |
| | | | | Deepen | ing |
| | | | | Oil Produced? | |
| 7. | IV-39 Annual F | oduction | years | | |
| 8. | IV-40 90 day F | rodiction | D | ays off line: | , |
| | | ion for certificat | | | |
| 10-17. | IV Form 51 - 5 | 2 - 53 - 4 - 55 - | - 56 - 57 - 58 | Complete? | Affidavit Signed_ |
| 18-28. | Other: Survey Str Gas | | | eological Charts Well | |
| (5) | Date commenced | 1: | Date completed | Dee | pened |
| (5) | Production Dep | th: | $\overline{}$ | | |
| (5) | Production For | mation: | \longrightarrow | | |
| (5) | Final Open Flo | ow: | $\overline{}$ | | |
| (5) | After Frac. R. | P | | | |
| (6) | Other Gas Test | : | | | |
| (7) | Avg. Daily Gas | from Annual rodu | uction: | | |
| (8) | Avg. Daily Gas | from 90-dey endin | ng w/1-120 days | | |
| (8) | Line Pressure: | | , | | PSIG from Daily |
| (=) | Oil Production | .: 1 | From Completion | Report | |
| :0-17. | Does lease in | ntory indicate en | nbanced recovery | being done | |
| | | | | Notarized? | |
| loes of | ficial we.l red | ord with the Depar | rtment confirm t | he submitted inform | et i on |
| | | | | ogram confirm? | |
| was Det | er ination Obje | ected to | By Whom? | | - |
| | | | | | |

DEPARTMENT OF MINES, OIL AND GAS DIVISION

| Cate | april | 13 | 1984 |
|------|-------|----|------|
| | • | | - |

Operator's Well No

WELL CLASSIFICATION FORM NEW ONSHORE PRODUCTION WELL

| | GPA Section 103 |
|---|--|
| | DESIGNATED AGENT James R. Willett |
| | ADDRESS S.W. Jack Drilling Company |
| | Box 48 Buckhannon, W. VA. 26201 |
| WELL OPERATOR J & J Enterp | orises, Inc. LOCATION Elevation /723 |
| ADDRESS P. O. Box 69 Indiana, PA | 7 Watershed (T) adu Cropk |
| GAS PURCHASER <u>Tennessee Gas</u> ADDRESS P.O. Box 2511 | Contract No. |
| Houston, Texas 77001 | Meter Chart Code |
| | Date of Contract |
| | |
| * * * * * | * * * * * * * * * * * * * |
| Date surface drilling was begu | march 15, 1984 |
| Indicate the bottom hole press Rock Pressure: | Well was shut in several days after treatment and pressure was measured |
| | with a spring gauge |
| BOTTOM HOLE PRESSURE Pf=Pwe | XGLS |
| $t=60 = (0.0075 \times 5308) + 459.7$ | $= 560 x = \overline{53.35 \times 560} = 29850 = 0.000034 \text{Pf} = 1550 \times 2.72^{(0.000034)}$ |
| $(0.620)(4468)(0.9) = 1550 \times 2.72^{0}$ | .08 _{=1550 x 1.09} |
| reservoir from which gas is or in commercial quantities or on was capable of producing gas in the best of my informatical | Elwain , having been first sworn according to law stare that r which this determination is sought was begun on or after february 19 able state or federal well spacing requirements and the well is not stence at the time surface drilling began, which was applicable to the will be produced and which applied to any other well producing was commercial quantities. I state, further, that I have concluded, to wledge and belief, that the well for which this determination is sought and that I am not aware of any information not described in the |

STATE OF WEST VIRCINIA. PA

COUNTY OF Indiana . TO WIT:

I. Vicki L. Vanderberg, a Notary Public in and for the state and county aforesaid, do certify that J.H. McElwain , whose name is signed to the writing above, bearing date

the 13 day of april , 1984, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 13 day of april . 1984.

Commission

[NOTARIAL SEAL]

VICKI L. VANDERBERG, NOTARY PUBLIC INDIANA BORDUCH, INDIANA COUNTY MY COMMISSION EXPIRES JAN. 23, 1988 Member, Pennsylvania Association of Notaries

DEPARTMENT OF MINES, OIL AND CAS DIVISIGN

Date april 13. 8

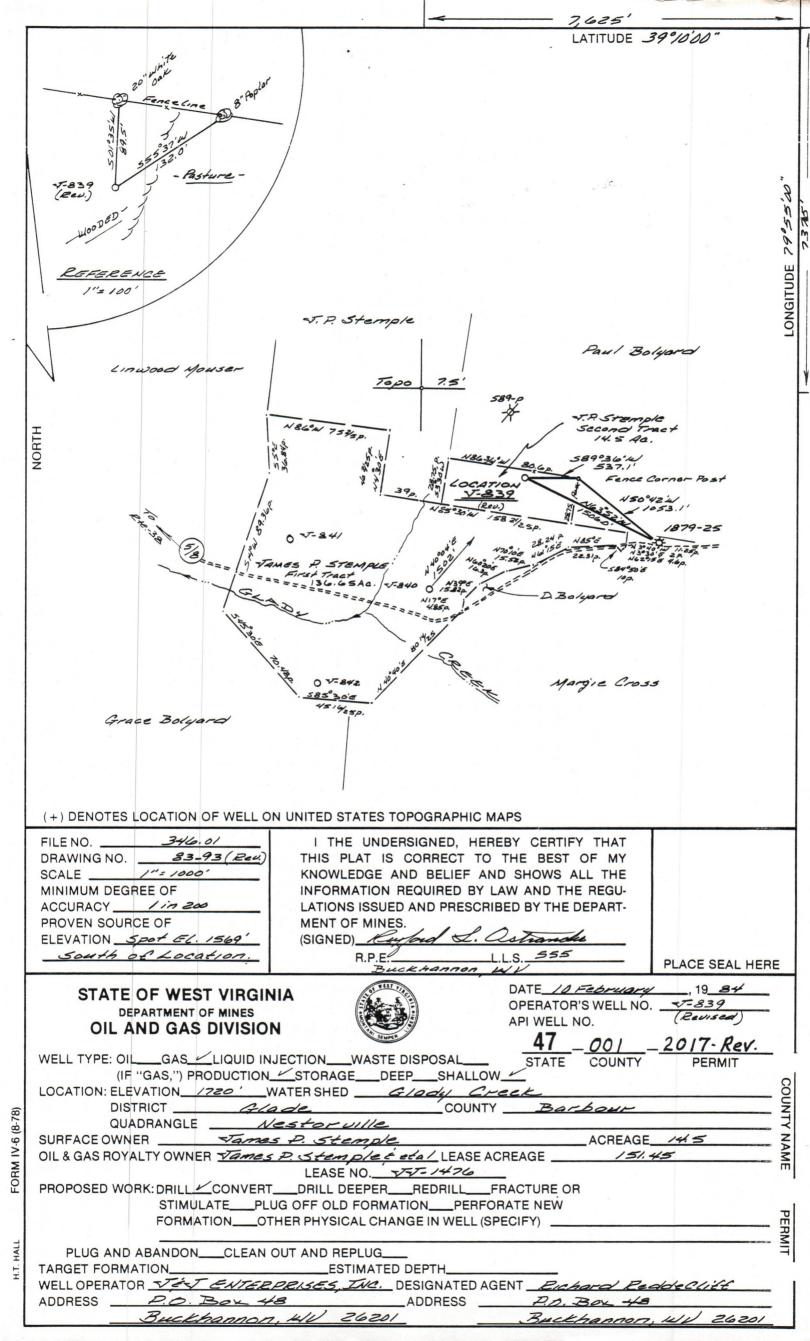
| | | | | ~ |
|-----------|---|-----|----|----|
| Operator' | 5 | 1 | C2 | () |
| Well No. | | ()- | ~ | 7 |
| WELL NO. | - | | 00 | |

API Vell
No. 47 - OOL 2017
State County Per

STATE APPLICATION FOR WELL CLASSIFICATION

Previous File No. (T: Applicas)

| | | | (it Applicas |
|--|--|---|---|
| WELL OPERATOR | J & J Enterprises, Inc. | DESIGNATED ACENT James R. ADDRESS S. W. Jack Dril | . Willett |
| ADDRESS | Box 697 | | |
| Indiana, | PA 15701 | Box 48, Buckhannon, V | V. VA. 20201 |
| Gas Purchase Co | ontract No and | (Month, day and year) | |
| - ' ' ' | de | | |
| Name of First | Purchaser Tennessee Gas Pipe | eline Company | |
| | P.O. Box 2511 | r 0. Box) | |
| | Houston, Texas 7 | 7001 (717 Code) | |
| FERC Seller Co | 000100 | FERC Buyer Code | |
| | INATION BEING SOUGHT: | 103 | N/A |
| | A desemination (See FERC Form 121. |) Section of 1026 | stegory Code |
| T (3) Derer | mination that increased production i | s the result of enhanced | |
| recov | ery technology. mination of a seasonally affected we | 11. | |
| | | Richard J. Kline | Secretary 7icle |
| | | Frishard S. Klin | - |
| | | P. O. Box 69 | |
| | | Street or P. O. Bex | |
| | | Indiana PA 1570: | |
| | | | |
| | | Arca Phone Nurber | |
| (Certificate o | of Proof of Service to Purchaser) | | |
| | | | |
| (All of the al | bove to be completed by the Operator, | 'Applicant) | |
| | | | r/Applicant and |
| purchaser, if well as meeti (NGPA): [] lo | The Department of Mines has received in the requirements of Section of for determination that increased process (CCTA). It or for determination that increased process (CCTA). | d a request. for certification under the Natural Cas Production is the result of enhance tion of a seasonally affected well | of the above described olicy Act of 1978, d recovery technology under Section 108 of (|
| be heard. ther | interested parties are hereby notif the Oil and Cas Division in Charles e will be a public hearing, if reque | | realter as it may |
| | s Application is assigned File No | | ont |
| entitled to c | ional evidence will be made at the t | inc appointed for a public hearing | or as soon thereatte |
| | ess objections are timely filed or a ne will not be held except on ex par | request for a hearing is rade with the motion of the department and the | hin fifteen (1)) ne matter vill |
| | | WEST VIRGINIA DEPARTMENT OF MINES | |
| | | | |
| | | Directo | |
| | | Ву | |
| Date received | | Title | |



RECEIPT FOR CERTIFIED MAIL

NOI FOR INTERNATIONAL MAIL

NOT FOR INTERNATIONAL MAIL

NOT FOR INTERNATIONAL MAIL

NOI FOR INTERNATIONAL MAIL

NOI FOR INTERNATIONAL MAIL

See Reverse

(See Reverse)

(See



OIL & GAS DIVISION ...
DEPT. OF MINES

RECEIPT FOR CERTIFIED MAIL
NO INSUHANCE COVEHAGE PHOVIDED
NOT FOR INTERNATIONAL MAIL
NOT FOR INTERNATI



OIL & GAS DIVISION
DEPT. OF MINES



OIL & GAS DIVISION DEPT. OF MINES

S Form 3800, Feb. 1982 P.O., State and ZIP Code
Ph. 1; pp; WV Street and No. Postm TOTAL Date, and Address of Delivery Restricted Delivery Fee Sant to Return Receipt Showing to whom and Date Delivered Special Delivery Fee Return Receipt Showing to whom, Certified Fee BUCKHANNON, WV 26201 P, O. BOX 48 Rage and Fees Stemple 36416 \$1.05 .75 60

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
See Reverse 7-8-11-9-8

414

310



OIL & GAS DIVISION DEPT. of MINES

PS Form 3800, Feb. 1982 Street and No.

Street and No.

P.O., State and ZIP Code BUOKHANNON, WV 26201 Postmark or Date TOTAL Listage and Fees Date, and Address of Delivery Return Receipt Showing to whom, Return Receipt Showing to whom and Date Delivered Restricted Delivery Fee Special Delivery Fee Certified Fee Postage Bridgeport, wy 26330 COA (CO. \$1.72 03. .37 25

RECEIPT FOR CERTIFIED MAIL

Sent to

NO INSURANCE COVERAGE PROVIDED— NOT FOR INTERNATIONAL MAIL (See Reverse) Q-839 414 311

DEC 28 1983

OIL & GAS DIVISION

DEPT. OF MINES

S Form 3800, Feb. 1982 TOTAL Pos BUCKHANNON, WV 26201 Postmark Date, and Address Return Receipt Showing to whom, to whom and Date Delivered Return Receipt Showing Restricted Delivery Fee 60

RECEIPT FOR CERTIFIED MAIL 414 312

Sent to C.C. Cornelius, Trustee NO INSURANCE COVERAGE PROVIDED— NOT FOR INTERNATIONAL MAIL (See Reverse)

P.O., State and ZIP Code

P: ++sburgh

PA

15219

Postage

Certified Fee

25

Special Delivery Fee

& Hillman Coal + Coke Co

Street and No.