| | STA | | 1 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. |
|-----------------------------------|--|--------------------------------|--|
| (Obverse) | DEPARTMENT OF | MINES, OIL AND GAS DIVISION | 20 August 1984 19 |
| [08-78] | OIL AND CA | AS WELL PERMIT APPLICATION | Operator's Loudin #1 |
| WELL TYPE: | Oil X / Gas X / | | API Well No. 47 - 041 3256 |
| | (If "Gas", Production X / | | |
| LOCATION: | (If "Gas", Production X / U | tershed Sleeth's Pun | ep/ Shallow X // |
| | District: Freeman's Creekco Johnson Exploration Co | unty: Lewis | of Leading Creek |
| WELL OPERATOR | Johnson Exploration Co. | Quadr | angle: Vadis 7.5' |
| Address | RRussell V. Johnson, Jr. | DESIGNATED AGENT | Gai L. Smythe |
| Addi eas | Drawer "L" Glenville, WV 26351 | Address | Drawer 370 |
| *.4 | | | Glenville, WV 26351 |
| OIL & GAS ROYALTY OWNER | D. & M. Loudin et al: | , | |
| Address | Rt. #1, Box AB-1, Linn, W | V 26294 | NONE |
| | 1, Hilli, W | v 20384 Addres.: | |
| Acreage | 75 Acres | | |
| | R.D. & J.M. Ratliff | COAL OWNER(S) WITH | DECLARATION ON RECORD: |
| Address | Route 1, Box 74-A | Name Eastern | Associated Coal Corp. |
| | Linn, WV 26384 | Address Kopp | ers Building |
| | 75 Acres | | sburgh, PA |
| FIELD SALE (IF | | Name | |
| Name | N/A | Address | |
| Address _ | | 0041 100000 | the state of the same of the s |
| | | Name N/A | CLARATION ON RECORD: |
| OIL & GAS INSP | ECTOR TO BE NOTIFIED | | |
| | t Bates, Weston, WV | Address | |
| Address | 269-3820 | | |
| | | | |
| The u | ndersigned well | | |
| ocation under | ndersigned well operator is ent | itled to operate for oil or g | as purnoses at the above |
| | a deed/ lease X / ot | Her contract | Aug. , 19 82 , |
| | ease, or other contract has been | | |
| ecorded on | 10 | en recorded:] | |
| ounty, West Vir | ginia, in Deed Book 3 | fice of the Clerk of the Coun | ty Commission of Lewis |
| PROPOSED WO | ginia, in Deed Book 3 RK: Drill X / Drill deeper | 88 at page 133 . A per | mit is requested as fallows: |
| | | neur III | |
| | | / Perforate now comments | |
| | enange in we | ell (specify) | |
| | The state of the s | | |
| The abo | oberator, cost on | ork order on the reverse side | |
| ection they wi | ve named coal operator, coal ow sh to make or are required to m ifteen (15) days after the roce | ner(s), and coal lessee are h | eneby notified that any |
| Mines within f. | ifteen (15) days after the rece | int of the | filed with the Department |
| Copies | of this Permit Application and | the of this Application by the | e Department. |
| registered mail | of this Permit Application and a | ove pared | tion plan have been mailed |
| or before the d | or delivered by hand to the at | of this Beating | owner(s), and coal leader |
| | | A this Permit Application to | the Depart 02/16/2024 a |
| SE SUBMIT COPT | ES OF ALL | | ration Company |
| VIRGINIA OIL | AIIG 2 3 1982 | _ | company |
| CONSERVATION CO WASHINGTON STE | DMMISSION | JOHNSon SKPLOR | ATION COMPANY |
| LESTON, WV 25 | OIL & GAS DIVISION DEPT. OF MINI | | and acor |
| PHONE: (304) 3 | 148-3092 | By -fail. Sont | the . |
| | BLANKET BOND | Its Agent | |

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

| DRILLING CON | TRACTO | R (IF I | KNOWN) | | | Unknown | | | |
|---|-----------------------|-----------------------------|---------------------------------------|--------------------------------|--------------------------|--|---|----------------------------|--|
| DATEDING CON | . INCIO | | | Addre | ss | | | | |
| | | | | | | | | | |
| | | | | | 100 | 1 | T | | |
| | | | | | | | Injun ' | | |
| | | | | | | | | • | Cable tools/ |
| | | | | | | | | t, <u>-0-</u> feet. | a Var / No V |
| Approxi | mate c | oal sea | am dept | hs: _ | | Is | coal being | ained in the area | : Yes/ No_X |
| CASING AND T | UBING | PROGRAI | М | | | | | | Augustinia in the control of the con |
| CASING OR | | | IFICATI | | | FOOTAGE | INTERVALS | CEMENT FILL-UP OR SACKS | PACKERS |
| TUBING TYPE | Size | Grade | Weight per ft | New | Used | For drillin | g Left in we | 11 (Cubic feet) | |
| Conductor | | | · · · · · · · · · · · · · · · · · · · | | | | | | Kinds |
| Fresh water | 8-5/8 | \$ | 20.0 | X | | 425 | 425 | 100 sks | |
| Coal | | | | | | | | | Sizes |
| Intermediate | | | | | - | | | | |
| Production | $4\frac{1}{2}$ | 9.5- | 10.5 | X | X | | 2880 | 115-250sks | Depths set |
| Tubing | ļ | | | | | | | | |
| Liners | - | | | | - | | | | Perforations: |
| | - | - | - | - | - | | + | - | Top Botton |
| | | - | - | - | - | | - | | |
| | 1 | <u></u> | | | 1 | 1 | | | 1 |
| previous the control of the control | cously consent eet of | paid or require the prosper | n the s red by c roposed ate Form | ame u Code well m IV- | \$ 22- 2 sha | the fee required the fee fee fee fee fee fee fee fee fee f | aired by Code e owner of ar auired for fi | racturing or stim | dielling within |
| THIS PERMI | | | | | | | | | • |
| | | | | | | CHAPTER 22, | | | |
| | | | | | | N IS HEREBY | | | |
| APPROVED | | dril | ling | . THI | S PERA | AIT SHALL EXPI | RE | | |
| IF CPERATI | | | TTM | EMCE! | BY- | 5-9-83 | | | |
| Y | a Coli | 00170 | 10011 0000 | must | be co | ompleted by | the coal oper | cator and by any | eral owner |
| 0 | coal | Lessee | who ho | is rie | corde | l a declarati (15) days o | ion under Coof receipt the | le § 22-4-20, if | the permit |
| | • | | | | | MAIN | | | |
| location ha well location | on, the | ned the well | location done at | oosed on ha | well s been s loca | location. added to the tion, provide | If a mine map ne mine map. ded. the well | exists which co | coal under this well vers the area of the has no objection to mplied with all |
| | | | | | | | | | 02/16/2024 |
| | | | | | | | | • | |
| ate: | | | , 19 | | | | | | |
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| 1 V | | | | | | | Ву | | |

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

FINAL INSPECTION REQUEST

INSPECTOR'S COMPLIANCE REPORT



MAR 3 1 1986

| Permit No | . 41-3256 (9-9-82) County. | Lewis | |
|---|---|--|--|
| Company | Russell V. Johnson Farm | R+A Rotl | .// |
| Inspector | Well No. | 1 | 10 |
| Date | • | | Marine vol. ocean per medikan arang palan da |
| | | | |
| RULE | DEC/DIDETAN | FMCOM | PLIANCE |
| | DESCRIPTION | Yes | No |
| 23.06 | Notification Prior to starting Work | | |
| 25.04 | Prepared before Drilling to prevent waste | | |
| 25.03 | High-Pressure Drilling | | |
| 16.01 | Required Permits at wellsite | Name (Colored Colored | |
| 15.03 | Adequate Fresh Water Casing | www.common.com | - OLIVERANTE METALOGRAPHIC |
| 15.02 | Adequate Coal Casing | -455 autoriorioriorio | ence Nova Maria de palaces |
| 15.01 | Adequate Production Casing | - Constitution of the Cons | *************************************** |
| 15.04 | Adequate Cement Strength | Whethed onto side also | 400000 maketo maketo |
| 23.02 | Maintained Access Roads | | All reported transported |
| 25.01 | Necessary Equipment to prevent Waste | with the state of | |
| 23.03 | Reclaimed Drilling Site | | *************************************** |
| 23.04 | Reclaimed Drilling Pits | - Control of the Cont | e-montrous-manage |
| 23.05 | No surface or underground Pollution | OPP Page 100 Million Accordance | *************************************** |
| 7.03 | Identification Markings | | - |
| , , , , | recitities on herkings | - | |
| COMMENTS: | | • | |
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| PROVENSION OF A SECURITION OF THE SECURITION OF | | | |
| | | The second secon | |
| | | Bernate additional and the professor complete the professor and the design of the desi | |

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.

DATE: 3-28-86

02/16/2024



| | 15 | N. N. | | |
|------|--------------------|----------|----------|--------|
| | 37 | - | - | |
| - 10 | THE REAL PROPERTY. | | | |
| | 44 | | | 勢 |
| | Popular | 2 22 | HUS PA | Trans. |
| | | N. A. L. | STATE OF | |

| 7, 1983 | ember | : Sept | Date |
|---------|-------|--------|------|
| | | | |
| | | No: | Mell |

| Date: September 7, 1983 Well No: / ES API NO: 47 -041-3256 State County Permit Sion ATION | 11/23/8 TIGETUELUELUE STATE OF WEST VIRGINIA DEPARTMENT OF MIN DEPT. OF NOTICE OF VIOL |
|--|---|
| / Waste Disposal / / Deep / Shallow * / eina Run Quadrangle: TED AGENT Gai L. Smythe | WELL TYPE: 0il / Gas * Liquid Injection Of "Gas" - Production / Storage LOCATION: Elevation: Watershed: KL District: Freemans (reekounty: Lewis WELL OPERATOR Johnson Exploration (o. DESIGNA Address P.O Inquest L Address P.O Inquest L Address P.O Inquest L Address P.O Inquest L |
| CE IF NECESSARY) a permanent manner, the A.P.I. | The above well is being posted this violation of Code 22-4-7.03 and/or Regulation (USE REVERSE SIDE OF THIS NOTI Every well shall have stamped on attached in identification number, plainly visible to any |
| well site and sent by certified or | A copy of this notice has been posted at the |
| his designated agent. , 1982, to abate this violation. action by the Department under GRAN Salta 501 Oil and Gas Inspector | registered mail to the indicated well operator or You are hereby granted until September 15 Failure to abate the violation may result in Code 22-4-17 or Code 22-4-18. Address |
| , | |

Telephone: 269-3920

FORM IV-31 9-83

TRASCO.



| Date: | septe | ml | er | 23 | , 1983 |
|---------------------------|-------|-----|-------|----|--------|
| Operator's Well Number | | Loi | idin | #/ | |
| API Well No.: | 47 | - | 041 | - | 3256 |
| | State | | Count | ty | Permit |

OIL & GAS DIVISION STATE OF WEST VIRGINIA DEPT. DEPARTMENTED F MINES, OIL AND GAS DIVISION

| | 7 | 1 | 1 | or and the control of |
|--|--|---|--|--|
| WELL TYPE: | Oil/ Gas/ | Liquid Injection | / Waste disposal/ | |
| 3.00 | 24 | Underground | 1 1 6 1 | 9 |
| 148 | If "Gas" - Production_ | Storage | J Deep/ Shallow | |
| LOCATION: | Liovation. | Waters | | 1. 1. |
| 16. | District: Freemans | Creek County | | Quadrangle: Valis |
| WELL OPERATOR | 3 37 19 | xploration tos | DESIGNATED AGENT | Gai Le Smythe |
| Address | D. | Section of the | Address | Drawet (|
| | - GIV | 37 | 14 | blenville WV |
| Notice is her | the that the U | torional authorized oil | t and a spe | of the shove named w |
| Sam | reby given that the ur 23 , 1983 , | ndersigned authorized on | and gas inspector made a spec | ecial inspection of the above named w |
| 13 | | 7.03 heretofore foun | Sept 7 6 | , 19_ <u>\$3</u> , by Form IV-27, ''Not |
| The violation of Violation" | 1 | | | |
| | | | | y abated. If the abated violation was found |
| | | itions to cease, such require | ment is hereby rescinded, and the | e well operator is hereby notified that he m |
| resume operations. | - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 16 C | | |
| COMMENTS | | The State of the s | | |
| COMMENTS | CHERCY SPARE | 1019 31 669 | | |
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| COAL OWNERSH | | | | |
| Eastern Asso | | | | |
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| | | | GNED, HEREBY CERTIF | THAT SO STORMES S |
| | A CONTRACT OF THE PARTY OF THE | | PRESENT TO THE BEST | |
| | 1 | KNOWLEDGE AND | BELIEF AND SHOWS AL | |
| A copy of this | notice has been poster | d at the well site and sent b | by certified or registered mail to t | the indicated well operator or his designat |
| agent. | lano 1 | | HE PRESCRIEED BY THE D | e la vo |
| HOVEN SOURCE OF | No. of the last of | | marke C. Echy | FILK 1 ST CI |
| TOVETTON AO RO. | | GROSS OF | MARKE SCHAEL | 1 840 Janes 581 |
| LEVALUATE PER LOC | B. L. Idland Morrows | | and the second second second second second second | Dif and Gas Inspector |
| | ASSESSED ASSESSED | | Address | 109 Minnich |
| | | | Audi de | THE PARTY OF THE CONTROL OF STREET, AND THE PARTY OF THE |
| Secretaria de la composición del la composición del composición del la composición del l | | | DATE DATE | Weston, WV. |
| H DENOTES LOCATI | | | | |
| | | | A THE COMERATO | 320 CNE |
| | | | Telephone | 269-3820 |
| | | | Telephone | NO 269 - 3820 ONE |
| | | | 39 47 | 041 - 32-56 |
| | | | 39 47- | 041 - 32-56 COUNTY PERMIT |
| | | | 47 STATE | 041 - 32-56 |
| | | | T VINGINIA STATE | 041 - 32-56 |
| | | | 47 STATE | 041 - 32-56 |
| FELL ON UNITED ST OPOGRAPHIC MAPS ORM IV-8 3-79) | | | VIRGINIA OF MINES S DIVISION | 041 - 32-56 |
| VELL TYPE: OIL | GAS_Y_LIQUID IN | NJECTIONWASTE D | APT WELL 47 STATE OF MINES S DIVISION DISPOSAL | 041 - 32-56 |
| OPOGRAPHIC MAPS ORM IV-6 8-78) WELL TYPE: OIL 1 | GAS_Y_LIQUID IN | NJECTIONWASTED | OISPOSAL | 041 - 32-56 COUNTY PERMIT |
| OPOGRAPHIC MAPS ORM IV 6 8-79) VELL TYPE: OIL 1 (IF "GAS. OCATION: ELEVAT | GAS_Y_LIQUID IN S,") PRODUCTION_S | NJECTION WASTED STORAGE DEEP. WATER SHED SLEET | DISPOSAL | 041 - 32-56 COUNTY PERMIT |
| VELL TYPE: OIL (IF "GAS.OCATION: ELEVATION: DISTRIC | GAS_LIQUID IN. S,") PRODUCTION_ FION_1206' TFREEMAN'S | NJECTION WASTED STORAGE DEEP. WATER SHED SLEET COUNTY | OISPOSAL | 041 - 32-56 COUNTY PERMIT |
| VELL TYPE: OIL 4. (IF "GAS. OCATION: ELEVATION QUADRA | GAS_Y_LIQUID IN S,") PRODUCTION_S FION_1206' CT_FREEMAN'S ANGLE_VADIS | JECTION WASTED STORAGE DEEP. WATER SHED SLEET COUNTS | DISPOSAL CSHALLOW TH'S RUN OF LEADIN NTYLEWIS | 041 - 32-56 COUNTY PERMIT |
| VELL TYPE: OIL | GAS_Y_LIQUID IN S,") PRODUCTION_S FION_1206' TT_FREEMAN'S ANGLE_VADIS R.D. and J.M. | NJECTION WASTED STORAGE DEEP WATER SHED SLEET COUNTY T.5' RATLIFF | DISPOSAL — SHALLOW LEADING TH'S RUN OF LEADING TY LEWIS — ACREAGE 43 | 041 - 32-56 COUNTY PERMIT |
| VELL TYPE: OIL | GAS_Y_LIQUID IN S,") PRODUCTION_S FION_1206' TT_FREEMAN'S ANGLE_VADIS R.D. and J.M. | NJECTION WASTED STORAGE DEEP WATER SHED SLEET COUNTY T.5' RATLIFF | DISPOSAL — SHALLOW LEADING TH'S RUN OF LEADING TY LEWIS — ACREAGE 43 | 041 - 32-56 COUNTY PERMIT |
| VELL TYPE: OIL | GAS_LIQUID IN S,") PRODUCTION_S FION_1206' TO FREEMAN'S ANGLE_VADIS R.D. and J.M. Y OWNERD.0 | NJECTION WASTED STORAGE DEEP WATER SHED SLEET COUNTY T.5' RATLIFF | DISPOSAL — SHALLOW LEADING TH'S RUN OF LEADING TY LEWIS — ACREAGE 43 | 041 - 32-56 COUNTY PERMIT |
| VELL TYPE: OIL 1 (IF "GAS OCATION: ELEVATION OUND THE COUNTY OUNTY OUND THE COUNTY OUNTY OUND THE COUNTY OUNTY OUNTY OUNTY OUN | GAS LIQUID IN. S,") PRODUCTION LICON 1206' TO FREEMAN'S ANGLE VADIS R.D. and J.M. Y OWNER D.A | STORAGE DEEP. WATER SHED SLEET COUNTS' CRATLIFF COUNTS' CASE NO. | DISPOSAL SHALLOW NTYLEWISACREAGE | 041 - 32-56 COUNTY PERMIT AGE 75 02/16/2024 |
| VELL TYPE: OIL 1 (IF "GAS OCATION: ELEVATION OUNTRACE OWNER OIL & GAS ROYALTY PROPOSED WORK: E | GAS Y LIQUID IN S,") PRODUCTION S. TEREMAN'S ANGLE VADIS ANGLE VADIS OWNER D. O. C. | NJECTION WASTE D STORAGE DEEP WATER SHED SLEET COUNTY TAKE MATLIFF COND M. LOUDIN, 6 EASE NO. DRILL DEEPER | DISPOSAL SHALLOW TH'S RUN OF LEADIN NTYLEWISACREAGE43 | 041 - 32-56 COUNTY PERMIT AGE 75 02/16/2024 |
| VELL TYPE: OIL 1 (IF "GAS OCATION: ELEVATI DISTRIC QUADRA URFACE OWNER OIL & GAS ROYALTY ROPOSED WORK: D | GAS LIQUID IN S,") PRODUCTION 1206' TO FREEMAN'S ANGLE VADIS A.D. and J.M. Y OWNER D.Q. CONVERTINULATE PLU | NJECTION WASTE D STORAGE DEEP WATER SHED SLEET COUNTS T.5' RATLIFF COM M. LOUDIN, 6 EASE NO. T. DRILL DEEPER UG OFF OLD FORMATI | DISPOSAL SHALLOW TH'S RUN OF LEADIN NTYLEWISACREAGE43LEASE ACREAREDRILLFRACTUR IONPERFORATE NEW | 041 - 32-56 COUNTY PERMIT AGE 75 02/16/2024 |
| VELL TYPE: OIL 1 (IF "GAS OCATION: ELEVATI DISTRIC QUADRA URFACE OWNER OIL & GAS ROYALTY ROPOSED WORK: D | GAS LIQUID IN S,") PRODUCTION 1206' TO FREEMAN'S ANGLE VADIS A.D. and J.M. Y OWNER D.Q. CONVERTINULATE PLU | NJECTION WASTE D STORAGE DEEP WATER SHED SLEET COUNTS T.5' RATLIFF COM M. LOUDIN, 6 EASE NO. T. DRILL DEEPER UG OFF OLD FORMATI | DISPOSAL SHALLOW TH'S RUN OF LEADIN NTYLEWISACREAGE43 | 041 - 32-56 COUNTY PERMIT AGE 75 02/16/2024 |
| VELL TYPE: OIL 1 (IF "GAS OCATION: ELEVATIONS OUND AND AND AND AND AND AND AND AND AND A | GAS LIQUID IN S,") PRODUCTION S. FION 1206' TO FREEMAN'S ANGLE VADIS R.D. and J.M. Y OWNER D.Q. LE DRILL CONVERTINULATE PLU FORMATION OT | NJECTION WASTED STORAGE DEEP WATER SHED SLEET COUNTS T.5' NATLIFF COUNTS EASE NO. TD DRILL DEEPER UG OFF OLD FORMATI THER PHYSICAL CHAN | DISPOSAL SHALLOW SHALLOW SHALLOW TH'S RUN OF LEADIN NTYLEWIS ACREAGE ACREAGE LEASE ACREA REDRILLFRACTUR ION PERFORATE NEW IGE IN WELL (SPECIFY) | 041 - 32-56 COUNTY PERMIT AGE 75 02/16/2024 |
| VELL TYPE: OIL 1 (IF "GAS OCATION: ELEVATI DISTRIC QUADRA URFACE OWNER OIL & GAS ROYALTY ROPOSED WORK: DESTRICATIONS OF THE SECOND OF THE | GAS LIQUID IN S,") PRODUCTION S. TEREMAN'S ANGLE VADIS ANGLE VADIS OWNER D. O. LE DRILL CONVERTINULATE PLU FORMATION OT | NJECTION WASTE DEPL STORAGE DEEPL WATER SHED SLEET CAFEK COUNTS! RATLIFF AND M. LOUDIN, G EASE NO. TORILL DEEPER UG OFF OLD FORMATI THER PHYSICAL CHAN | DISPOSAL— SHALLOW F TH'S RUN OF LEADIN NTY LEWIS ACREAGE 43 Et. al. LEASE ACREA REDRILL—FRACTUR ION—PERFORATE NEW IGE IN WELL (SPECIFY) | 041 - 32-56 COUNTY PERMIT AGE 75 02/16/2024 |
| PLUG AND ABA | GAS_LIQUID IN S,") PRODUCTION_S FION_1206' TOT FREEMAN'S ANGLE_VADIS R.D. and J.M. Y OWNER_D.Q LE DRILL_CONVERT STIMULATE_PLU FORMATION_OT ANDONCLEAN IN_BAYARD | NJECTION WASTED STORAGE DEEP WATER SHED SLEET COUNTY T.5' CATLIFF COUNTY EASE NO. IT DRILL DEEPER UG OFF OLD FORMATI THER PHYSICAL CHAN I OUT AND REPLUG ESTIMATED | DISPOSAL | 041 - 32-56 PERMIT AGE |
| PLUG AND ABA | GAS LIQUID IN. S,") PRODUCTION S FION 1206' TEREMAN'S ANGLE VADIS ANGLE VADIS OWNER D. D. DRILL CONVERT STIMULATE PLU FORMATION OT ANDON CLEAN ON BAYARD OHNSON EXPLO | NJECTION WASTE DEPL STORAGE DEEPL WATER SHED SLEET CREEK COUNTY, COUNT | DISPOSAL | 041 - 32-56 PERMIT AGE 75 02/16/2024 E OR |
| (IF "GAS .OCATION: ELEVATION: ELEVATION: ELEVATION: ELEVATION: ELEVATION: QUADRA GURFACE OWNER OIL & GAS ROYALTY PROPOSED WORK: ENTER COMMENT OF CO | GAS_LIQUID IN S,") PRODUCTION_S FION_1206' TOT FREEMAN'S ANGLE_VADIS R.D. and J.M. Y OWNER_D.Q LE DRILL_CONVERT STIMULATE_PLU FORMATION_OT ANDONCLEAN IN_BAYARD | NJECTION WASTE DEPP. STORAGE DEEP. WATER SHED SLEET B. CREEK COUNTY. CRATLIFF DOM M. LOUDIN, B. EASE NO. T. DRILL DEEPER_ UG OFF OLD FORMATI THER PHYSICAL CHAN OUT AND REPLUG ESTIMATED DRATION DESIGNATES | DISPOSAL | 041 - 32-56 PERMIT AGE 75 02/16/2024 E OR |





9 August 1982 WELL NO. Loudin #1

AUG 2 3 1982 State of Mest Virginia

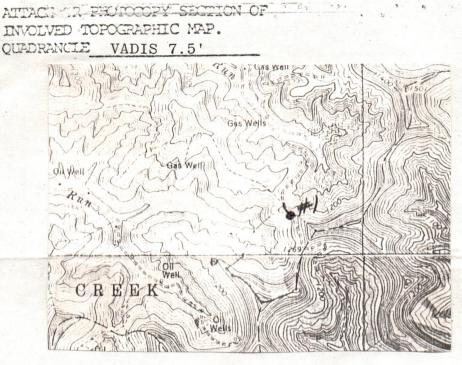
API NO. 47

Bepartment of Mines

OIL & GAS DIVISION Gil and Gas Bivision
DEPT. OF MINES

| CONSTRUCTION AND | RECLAMATION PLAN |
|---|--|
| Russell V. Johnson, Jr. Johnson Exploration | DESIGNATED AGENT Gai L. Smythe |
| Address Drawer "L", Glenville, WV | Address Drawer 370, Glenville, WV |
| Telephone 304-462-5771 | Telephone 462-5311(hm);462-5771 |
| LANDOWNER R.D.abd J.M.Ratliff | SOIL CONS. DISTRICT West Fork |
| Revegetation to be carried out by Hall' | s Reclamation or other sub- (Agent) |
| This plan has been reviewed by Wo | of son All corrections |
| and additions become a part of this plan: | 8 18 82 / Date / 1 |
| 2 | leneth Tought |
| ACCESS ROAD | LOCATION |
| Structure Culvert (likely) (A) | Structure Drilling Pit (1) |
| Spacing 15" minimum | Material Earthen |
| Page Ref. Manual 2-7 | Page Ref. Manual |
| Structure Cross Ditches (B) | Structure Diversion Ditch (2) |
| Spacing VariableSoil 100 apo | Material Earthen |
| Page Ref. Manual 2-4 | Page Ref. Manual 2-12 |
| structure Drainage Ditch (c) | Structure Rip Rap (3) |
| spacing along side of road | Material Rock |
| Page Ref. Manual 2-12 | Page Ref. Manual N/A |
| All structures should be inspected regularized commercial timber is to be cut and stacked cut and removed from the site before dirt | d and all brush and small timber to be |
| REVECE | TATION |
| Treatment Area I | Treatment Area II |
| Time 7 Gal. Primasol or Tons/acre or correct to pH 6.5 | time 7 Gal.Primasol or Tons/acre or correct to pH 6.5 |
| Fertilizer 10-20-20 500 lbs/acre (10-20-20 or equivalent) | Fertilizer 10-20-20 500lbs/acre (10-20-20 or equivalent) |
| MulchHay or Straw Cover 2 Tons/acre | Mulch Hay or Straw cover2 Tons/acre |
| Seed* Meadow Mix lbs/acre | Seed* Meadow Mix lbs/acre |
| Orchard, Red Clover lbs/acre | |
| Timothy, Alsike Clover | Timothy, Alsike Clover |
| | 75-1001bs/acre lbs/acre |
| Inoculate all legumes such as vetch, trej Inoculate with 3X recommended amount. | foil and clovers with the proper bacterium. |
| ime according to pH test. | Gai L. Smyth 02/16/2024 |
| NOTES: Please request landowners' cooperation to protect new | ADDRESS Drawer 370 |
| seedling for one growing season. Attach separate sheets as | Glenville, WV 26351 |
| necessary for comments. | PHONE NO. 462-5771(off);462-5311(hm) |

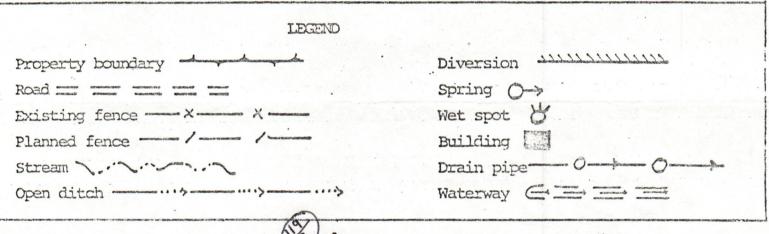
FECNE NO. 462-5771(off);462-5311(hm)

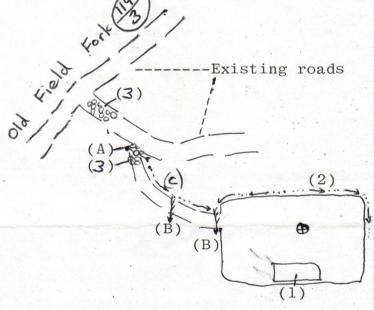


Well Site ()
Access Road —

WELL SITE PLAN

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





State of West Virginia

County of Lewis



State of Mest Mirginia

OFFICE OF OIL AND GAS DEPARTMENT OF MINES

AFFIDAVIT

| DATE: | 20 | August | | 1982 |
|--------|--------|--------|-----------------------|-------|
| OPERAT | ORIS | 5 | Ch affects regarded | and a |
| WELL N | 10 .:_ | LOUDIN | #1 | |
| | | | And the second second | 2 - 4 |

API NO: 47 - 041 3256 State County Permi

State county Perm

| I, Gai L. Smythe | (the designated owner as |
|--|--|
| or authorized representative thereof), say that the undersigned is authorized in the well permit application to which that (he, she, or it) shall tender to not less than one-eighth of the total to the owner of the working interest a extracted, produced, or marketed before aside for the owner of the oil or gas | by the owner of the working interest h this affidavit is attached do state the owner of the oil and gas in place amount paid to or received by or allowed the wellhead for the oil or gas so a deducting the amount to be paid as and a deducting the amount to be paid as and a deducting the amount to be paid as and a deducting the amount to be paid as and a deducting the amount to be paid as and a deducting the amount to be paid as and a deducting the amount to be paid as and a deducting the amount to be a deducting the deduction to the d |
| | |

Taken, Subscribed, and sworn to before me this 20th day of August, 1982.

My Commission Expires: June 8, 1992

Signed: fail. Smithu



OIL & GAS DIVISION
DEPT. OF MINES
02/16/2024

| A Color 122 C7 C11 | Top F.Sl | ballam teet | U11: (+)5 +)1 W2101 | -Kymarks |
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| Section and annual life in the National Section of the Section of | - Separation of the Conference | A STATE OF THE PROPERTY OF THE | The state of the s | and the same of th |
| Limey Shale | 1549 | 1604 | | |
| Sandy Lime | 1604 | 1612 | | |
| Lime | 1612 | 1627 | | |
| Shale | 1627 | 1645 | | |
| Sand (Salt) | 1645 | 1712 | | |
| Lime | 1712 | 1730 | | |
| Sandy Lime | 1730 1799 | 1799 1870 | | |
| Big Lime | 1870 | 1932 | | |
| Keener (1893-1906) | | | Treated during | fracture. |
| Big Injun | 1932 | 1988 . | | |
| Shale | 1988, , | 201B | | |
| Weir(with Pocono) | 2013 2152 | .2152 2418 | Treated during | fracture. |
| Misc. (Thirty fight |) 2418 | 2436 | Treated during | fracture. |
| Shale Sandy Shale | 2436 2458 | 2458 246\$. | | |
| Shale | 2463 | 2504 | | |
| Sandy Shale | 2504 | 2509 | | |
| Shale | 2509 | 2527 | | |
| Misc. (Fifty foot?) Sandy Shale | 2527 | 2541 2563 | Treated during | fracture show. |
| Shale | 2541 2563 | 2721 | | |
| Upper Bayard Shale | 2721 2738 | 2738 2760 | Treated during | fracture Show. |
| Lower Bayard | 2760 2300 | 2800 | Treated during | fracture Show. |
| Shale. | . 2000 | 2934 | T.D. | 007413 |
| | | | (Natural Show | 2914') |
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| | | Date . | 16 October | 19 82 |

APPROVED - College | South | S



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION DEPT. OF MINES

Oil and Gas Division
WELL RECORD

| Snagtausje- | Vadis | 77.5 |
|-------------|-------|------|
| Mariantic- | | |

Permit No. 47-041-3256

55'

Yoducing Sand Bayard, Misc.,

resh water___

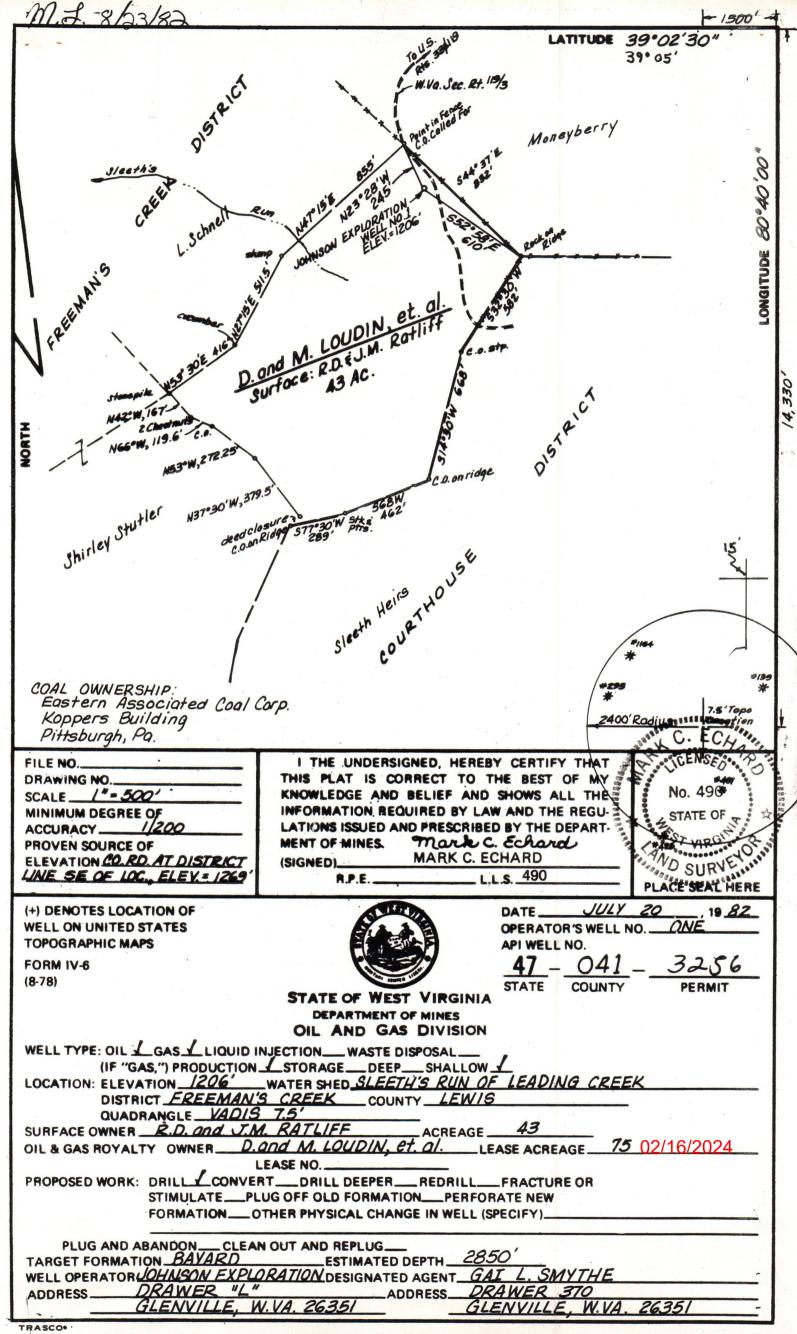
| Rotary_X | Oil |
|-------------|---------|
| Cable | Gas |
| Recycling | Comb. X |
| Water Flood | Storage |
| Disposal | |

| | | | - | 40753300 TT VI 4 | |
|---|--|-------------------|---------------------|------------------|--------------------------------|
| ddressDrawer "L",(| Johnson, Jr. Glenville, WV 26 Acres 75 | a donn't | Used in Drilling | Lest in Well | Cement fill up Cu ft (Sks.) |
| ocation (waters) Kleins | Run Elev. 120 | Size . | | | |
| The surface of next is owned & Jeanne Ratliff | | | 18 | 18 ' | With 8-5/8 |
| ddress | | 8 5/8 | 411.5 | 411.5 | 118 sks |
| ineral rights are swited by I Loudin Address Li | Donald and Sue inn, WV | 5 1/2 | | <i>!</i> | |
| Orilling Commenced 9/23 | 1/82 5/82 | 4 1/2- | | 2910 | 280 sks |
| nitial open flow Approx. | u. ft. per day show | this. Liners Used | | | |
| Vell openhr Vell treatment detuils: Halliburtom Fractur | | Attach copy of | cementing reco | ırd. | |
| Bayard: Breakdown | 1600#; 10,000# | 80/100;40,000# | 20/40.500 | Gal. Ac | id |
| Misc.: Breakdown | | | | | |
| Weir : Breakdown | 1900#; 10,000 | #80/100: 51,000# | 20/40:500 | Gal. Ac | id |
| Keener: Bræakdown | 2800#; 3,000# | 80/100; 7,500# | 20/40;500 | Gal. Ac | id |
| | | | | | |

| Formation Color Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks | |
|--|---|---|-------------------|----------------------|------------|
| Surface and Red Rock Shale Shale and sand Shale and sand Shale-Red rock Shale Shale Soft Sand Shale Shale Sand Shale Shale Shale | 0 17 200 235 331 336 396 780 890 945 1100 1130 1138 1150 1200 1275 1300 1325 1350 1400 | Bottom Feet 17 200 235 331 336 396 780 890 945 1100 1130 1138 1150 1200 1275 1300 1325 1350 1400 .1450 | Oil, Gas or Water | • Remarks 02/16/2024 | LEWIS 3256 |
| Shale Sand Shale | 1450 1484 1502 | 1484 1532 1549 . | OVER | | |
| | | | | | |

_ Salt Water_

Depth See Well Record Below



IV-27 11/23/8



| Date: Sep | tember 7, 1983 |
|-----------|----------------|
| Well No: | 1 |
| API NO. | 47 -041-3256 |

State County Permi

SEPT-1983 STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL & GAS DIVISION DEPT. DF NOTICE OF

| DE | NOTICE OF VIOLATION |
|-----------------------|--|
| WELL TYPE: 0i | 1/ Gas_* Liquid Injection/ Waste Disposal/ |
| Of | "Gas" - Production/ Storage/ Deep/ Shallow_*_/ |
| LOCATION: E1 | evation: Watershed: Kleins Run |
| Di | strict: <u>Freemans (red</u> ounty: <u>Lewis</u> Quadrangle: |
| WELL OPERATOR | Johnson Exploration Co. DESIGNATED AGENT Gai L. Smythe |
| | P.O Drawer L Address Glenville, W. Va. |
| _ | Glenville, W. Va. 26351 |
| | he above well is being posted this |
| Every we | U shall have stamped or attached in a permanent manner, the A.P.I. |
| identifi | cation number, plainly visible to any interested person. 47-041-3256 |
| You are he Failure to | this notice has been posted at the well site and sent by certified or I to the indicated well operator or his designated agent. ereby granted until <u>September 15</u> , 19 <u>83</u> , to abate this violation. I abate the violation may result in action by the Department under Code 22-4-18. |
| | Oil and Gas Inspector |
| | Address 109 Minnigh St. |
| | |
| | Weston, W. Va. 26452 |
| | Telephone: <u>269-3920</u> 02/16/2024 |
| | |



Date: September 7, 1983 Well No. / APT NO: 47 -041-3256 tate County Permit

Mond Gas Division

| My Market Ma | DEL MONCE OF MORNING |
|--|--|
| ste Disposal/ | WELL TYPE: 011 / Gas * Liquid Injection / Wa |
| ep / Shallow * / | Of "Gas" - Production / Storage / De |
| un. | LOCATION: Edevation: Watershed: Kleina K |
| | Office Freezena Creekounty: Lewis |
| ENT Sail. Smithe | WELL DPERATOR Johnson Saloaution Co. DESIGNATED AG |
| | Address 7.0 mousen L Address Gd |
| | Glenville, W. Va. 26351 |
| y of Sextember 1903, for a | The above well is being posted this 7thds |
| set forch in detail as follows: | violation of Code 22-4-7.03 and/or Regulation |
| | (USE REVERSE SIDE OF THIS NOTICE IF |
| | |

Evenu well shall have stamped on attached in a permanent manner, the A.P.I. identification number, plainty visible to any interested season. 47-041-276

copy of this notice has been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent,

You are hereby granted until September 15 , 1983, to abate this violation. failure to abate the violation may result in action by the Department under

Address 109 Timien St. lesing W. Va. 25+2 elephones 259-3920