



1) Date: Dec. 22, 19 83
 2) Operator's Well No. KSF #14
 3) API Well No. 47 - 039 - 3998
 State County Permit

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

- 4) WELL TYPE: A Oil / Gas /
 B (If "Gas", Production / Underground storage / Deep / Shallow)
 5) LOCATION: Elevation: 1086.33 Watershed: Bays Fork of Middle Fork of Davis Creek K-39
 District: Loudon County: Kanawha Quadrangle: Charleston, WV
 6) WELL OPERATOR Badger Oil & Gas Co., Inc. 7) DESIGNATED AGENT Jack C. Dyer, Jr.
 Address P. O. Box 299 Address P. O. Box 299
Culloden, WV 25510 Culloden, WV 25510
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Jerry Holcomb Name Dyer Well Service, Inc.
 Address Box 5B Address P. O. Box 299
Indore, WV 25111 587-7299 Culloden, WV 25510
 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) _____
 11) GEOLOGICAL TARGET FORMATION, Injun Weir
 12) Estimated depth of completed well, 2200 feet
 13) Approximate trata depths: Fresh, 200 feet; salt, 800 feet.
 14) Approximate coal seam depths: None Is coal being mined in the area? Yes

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 DEC 27 1983
 OIL & GAS DIVISION
 DEPT OF MINES

15) CASING AND TUBING PROGRAM

| CASING OR TUBING TYPE | SPECIFICATIONS | | | | | FOOTAGE INTERVALS | | CEMENT FILL-UP OR SACKS (Cubic feet) | PACKERS |
|-----------------------|----------------|-------|----------------|-----|------|-------------------|--------------|--------------------------------------|---|
| | Size | Grade | Weight per ft. | New | Used | For drilling | Left in well | | |
| Conductor | 10 3/4 | K55 | 40 | X | | 60 | 60 | Cemented to Circulate | 60% fill-up & to surface by rule 15.05 |
| Fresh water | 8 5/8 | K55 | 38 | X | | 400 | 400 | | |
| Coal | | | | | | | | | |
| Intermediate | 6 5/8 | K55 | 20 | X | | 1680 | 1680 | Cemented back cover 300' | Cover set up hole to of 6 5/8 or as req by rule 15.05 |
| Production | 4 1/2 | | 9.5 | X | | 2100 | 2100 | | |
| Tubing | 1" | | | X | | 2100 | 2100 | | |
| Liners | | | | | | | | | |
| | | | | | | | | | Perforations: <u>by rule 15.05</u> Top 1900 Bottom 1940 |

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-039-3998 Date January 19, 1984 19

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires January 19, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

| | | | | |
|---------------------------|---------------------------|--------------------------|----------------------------|------------------|
| Bond: BLANKET BOND | Agent: <u>[Signature]</u> | Plat: <u>[Signature]</u> | Casing: <u>[Signature]</u> | Fee: <u>3313</u> |
|---------------------------|---------------------------|--------------------------|----------------------------|------------------|

[Signature]
 Administrator, Office of Oil and Gas

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



STATE OF WEST VIRGINIA

OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

1) WELL LOCATION: B (If Gas, Production) Shallow Deep Underground storage
 2) LOCATION: Elevation: 4085.33 W. 4085.33
 3) WELL OPERATOR: Packer Oil & Gas Co., Inc.
 4) OIL & GAS INSPECTOR TO BE NOTIFIED: Jerry Holcomb
 5) PROPOSED WELL WORK: Drill deeper shallower
 6) GEOLOGICAL TARGET FORMATION: Injun Well
 7) ESTIMATED DEPTH OF COMPLETED WELL: 2200 feet
 8) APPROXIMATE STRATA DEPTHS: Test: 200 feet
 9) APPROXIMATE COAL seam depths: 1000 feet
 10) IS COAL BEING MINED IN THE AREA? Yes No

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DEC 27 1983

| Casing or tubing type | Size | Lbs per ft | SPEECHES | | Footage intervals | Cement ml/cu ft or sacks | Packers |
|-----------------------|-------|------------|----------|------|-------------------|--------------------------|----------------------------|
| | | | New | Used | | | |
| Condition | 2 3/4 | 45 | X | | 60 | 60 | Concrete to 100 ft surface |
| Fracture | 2 3/4 | 38 | X | | 100 | 100 | Concrete to surface |
| Coal | | | | | 180 | 180 | Concrete to surface |
| Intermediate | | | | | 210 | 210 | Concrete to surface |
| Bottom | | | | | | | Concrete to surface |

OFFICE USE ONLY

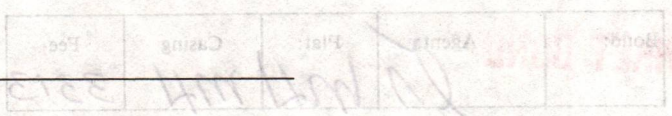
This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

| Date | Date(s) |
|------------------------------------|-------------------------|
| Application received | Follow-up inspection(s) |
| Well work started | " |
| Completion of the drilling process | " |
| Well Record received | " |
| Reclamation completed | " |

OTHER INSPECTIONS

Reason: _____

Reason: _____



02/16/2024



1) Date: Dec. 22, 19 83
 2) Operator's Well No. KSF #14
 3) API Well No. 47 State 039 County Permit

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

- 4) WELL TYPE: A Oil _____ / Gas X /
 B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 1086.33 Watershed: Bays Fork of Middle Fork of Davis Creek
 District: Loudon County: Kanawha Quadrangle: Charleston, WV
- 6) WELL OPERATOR Badger Oil & Gas Co., Inc. 7) DESIGNATED AGENT Jack C. Dyer, Jr.
 Address P. O. Box 299 Address P. O. Box 299
Culloden, WV 25510 Culloden, WV 25510
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Jerry Holcomb Name Dyer Well Service, Inc.
 Address Box 5B Address P. O. Box 299
Indore, WV 25111 587-7299 Culloden, WV 25510
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate _____ /
 Plug off old formation _____ / Perforate new formation _____ /
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Injun Weir
- 12) Estimated depth of completed well, 2200 feet
 13) Approximate trata depths: Fresh, 200 feet; salt, 800 feet.
 14) Approximate coal seam depths: None Is coal being mined in the area? Yes _____ / No X /
- 15) CASING AND TUBING PROGRAM

| CASING OR TUBING TYPE | SPECIFICATIONS | | | | | FOOTAGE INTERVALS | | CEMENT FILL-UP OR SACKS (Cubic feet) | PACKERS |
|-----------------------|----------------|------------|----------------|----------|------|-------------------|--------------|--------------------------------------|---|
| | Size | Grade | Weight per ft. | New | Used | For drilling | Left in well | | |
| Conductor | <u>10 3/4</u> | <u>K55</u> | <u>40</u> | <u>X</u> | | <u>50</u> | <u>60</u> | <u>Cemented to</u> | Kinds <u>fill-up & Circulate to surface</u> Sizes <u>by 10 1/2 15 20 25</u> |
| Fresh water | <u>8 5/8</u> | <u>K55</u> | <u>38</u> | <u>X</u> | | <u>400</u> | <u>400</u> | <u>Circulate to surface</u> | |
| Coal | | | | | | | | | |
| Intermediate | <u>6 5/8</u> | <u>K55</u> | <u>20</u> | <u>X</u> | | <u>1680</u> | <u>1680</u> | <u>Cemented back</u> | Depths set <u>up hole to</u> <u>cover 300'</u> of <u>6 5/8</u> <u>and</u> <u>reg</u> Perforations: <u>by rule 15 09</u> Top <u>1900</u> Bottom <u>1940</u> |
| Production | <u>4 1/2</u> | | <u>9.5</u> | <u>X</u> | | <u>2100</u> | <u>2100</u> | | |
| Tubing | <u>1"</u> | | | <u>X</u> | | <u>2100</u> | <u>2100</u> | | |
| Liners | | | | | | | | | |

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of the filing of the Application.

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19 _____ By: _____
 Its _____
 Coal Owner

Seed* KY-31 tall fescue 20 lbs/acre Seed* KY-31 tall fescue 20 lbs/acre
c red fescue 10 lbs/acre C Red Fescue 10 lbs/acre
crown vetch 10 lbs/acre Crown Vetch 10 lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium.
 Inoculate with 3X recommended amount. 02/16/2024

PLAN PREPARED BY Jack C. Dyer, Jr.

ADDRESS P. O. Box 299

Culloden, WV 25510

PHONE NO. 743-8172

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

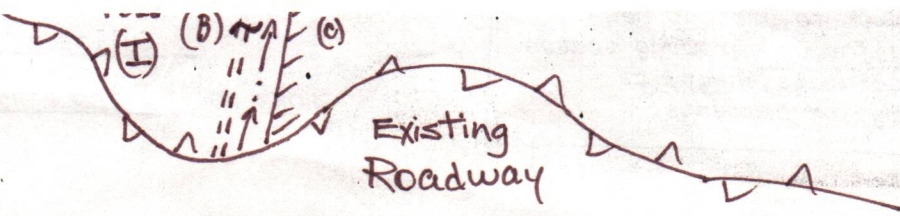
IV-9 REVERSE
(REV 8-81)

ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE Charleston, WV
Midkiff

LEGEND

RECEIVED
DEPT. OF MINES
MORGANTHAU

02/16/2024



RECEIVED
 DEC 27 1983
 OIL & GAS DIVISION
 DEPT. OF MINES

288 079 704
 RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to
Jim Jones, Admin. Land & Real
 Street and No.
Estate Office, Dept. of Nat.
 P. O., State and ZIP Code
Resources, Charleston, WV 2530

| | |
|---|------------|
| Postage | \$54 |
| Certified Fee | 75 |
| Special Delivery Fee | |
| Restricted Delivery Fee | 60 |
| Return Receipt Showing to whom and Date Delivered | |
| Return Receipt Showing to whom, Date, and Address of Delivery | |
| TOTAL Postage and Fees | 189 |

Postmark
 1983
 12 27

PS Form 3800, Feb. 1982

02/16/2024



IV-35
(Rev 8-81)

Date 4-27-84
Operator's
Well No. KSF #14
Farm Aultz
API No. 47 - 039 - 3998

State of West Virginia
Department of Mines
Oil and Gas Division

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

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

LOCATION: Elevation: 1086.3 Watershed Bays Fork of Middle Fork of Davis Creek
District: Louden County Kanawha Quadrangle Charleston, WV

COMPANY Badger Oil & Gas Co., Inc.
ADDRESS P. O. Box 299 Culloden, WV 25510
DESIGNATED AGENT Jack Dyer
ADDRESS P. O. Box 299 Culloden, WV 25510
SURFACE OWNER State of West Virginia
ADDRESS Dept. of Natural Resources, Chas., WV
MINERAL RIGHTS OWNER Woodrum Estate
ADDRESS Charleston, WV
OIL AND GAS INSPECTOR FOR THIS WORK _____
Rodney Dillon ADDRESS Box 7, Williamstown, WV
PERMIT ISSUED January 19, 1984
DRILLING COMMENCED February 23, 1984
DRILLING COMPLETED April 12, 1984
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON _____

| Casing & Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. |
|------------------|-------------------------|--------------|------------------------|
| Size 20-16 Cond. | | | |
| 13-10" | 30 | 30 | |
| 9 5/8 | | | Cement |
| 8 5/8 | 373 | 373 | 93 cu. ft. |
| 7 | 1710 | 500 | 3% CACL2 |
| 5 1/2 | | | 1/4# Celloflakes |
| 4 1/2 | 1930 1/2 | 1930 1/2 | Cemented Over |
| 3 | | | 6 5/8 |
| 2 | 10BBL CACL2 - 10BBL H2O | | |
| Liners used | 10BBL Zonelock | 10BBL M8SOL | |
| | 58 cu. ft. | 10/2 RFI | |

Class A

GEOLOGICAL TARGET FORMATION Big Injun Sand Depth 1840-90 feet
Depth of completed well 1934 feet Rotary ___ / Cable Tools X
Water strata depth: Fresh 230 feet; Salt 850 feet
Coal seam depths: --- Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth 1840-90 feet
Gas: Initial open flow 10 Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 150 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 24 hours
Static rock pressure 425 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)
Second producing formation _____ Pay zone depth _____ feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure _____ psig (surface measurement) after _____ hours shut in

02/16/2024

(Continue on reverse side)

KAN - 3998

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

Perfs 1854 - 72 - 19 holes
1876 - 79 - 4 holes

N₂ - 350,000 SCF
+ 12,000 SCF Cod Down

ISI 1800#

N₂ 362,000 SCF
Performed by Dowell

40,000# 20/50 Sand
500 Gal. U42
15 Gal. F78
14 Gal. F75
10 Gal. L55
4 Gal. M76
1400 # KCL

WELL LOG

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS |
|----------------|-------|--------------|----------|-------------|---|
| | | | | | Including indication of all fresh and salt water, coal, oil and gas |
| Soil | | | 0 | 10 | |
| Sand | | | 10 | 80 | |
| Shale | | | 80 | 92 | |
| Sand | | | 92 | 310 | Hole Full of Water 230' |
| Shale | | | 310 | 373 | |
| Sand | | | 373 | 400 | |
| Shale | | | 400 | 540 | |
| Sand | | | 540 | 585 | |
| Shale | | | 585 | 747 | |
| Sand | | | 747 | 1370 | Saltwater at 850' |
| Broken Sand | | | 1370 | 1440 | Show Gas 1740-1755' |
| Sand | | | 1440 | 1530 | |
| Shale | | | 1530 | 1565 | |
| Red Rock | | | 1565 | 1571 | |
| Slate & Shells | | | 1571 | 1590 | |
| Broken Sand | | | 1590 | 1620 | Show Gas 1854' |
| Lime | | | 1620 | 1649 | |
| Shale | | | 1649 | 1660 | |
| Lime | | | 1660 | 1690 | |
| Big Lime | | | 1690 | 1840 | |
| Red Injun | | | 1840 | 1890 | |
| Shale | | | 1890 | 1934 | |

(Attach separate sheets as necessary)

Badger Oil & Gas Co., Inc.

Well Operator

By: Jack Dyer

Date: April 30, 1984

02/16/2024

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

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

RECEIVED

MAR 5 - 1984

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 039-3998

Oil or Gas Well _____
(KIND)

Company BADGER OIL & GAS
 Address CULLODEN WVA.
 Farm K.S.F.
 Well No. 14
 District LOUDDON County KANAWHA
 Drilling commenced 1-22-84
 Drilling completed _____ Total depth _____
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

| CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS |
|-------------------|------------------|--------------|----------------------|
| Size | | | |
| 16 | | | Kind of Packer _____ |
| 13 | | | |
| 10 | | | Size of _____ |
| 8 1/4 | | | |
| 6 3/8 | | | Depth set _____ |
| 5 3/16 | | | |
| 3 | | | Perf. top _____ |
| 2 | | | Perf. bottom _____ |
| Liners Used | | | Perf. top _____ |
| | | | Perf. bottom _____ |

CASING CEMENTED 8 5/8 SIZE 400 No. FT. 3-1-84 Date
 NAME OF SERVICE COMPANY DOWELL
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names Co Tools

Remarks: CRMENT TO SURFACE

3-1-84
DATE

Jerry Holcomb
02/18/2024
DISTRICT WELL INSPECTOR

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

RECEIVED

FEB 27 1984

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 039-3998

Oil or Gas Well _____
(KIND)

Company BADGER OIL & GAS

Address CULLODEN WVA.

Farm ST. OF WVA.

Well No. KSF #14

District LOUDON County KANAWHA

Drilling commenced _____

Drilling completed _____ Total depth _____

Date shot _____ Depth of shot _____

Initial open flow _____ /10ths Water in _____ Inch

Open flow after tubing _____ /10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock pressure _____ lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

Salt water _____ feet _____ feet

| CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS |
|-------------------|------------------|--------------|----------------------|
| Size | | | |
| 16 | | | Kind of Packer _____ |
| 13 | | | |
| 10 | | | Size of _____ |
| 8 1/4 | | | |
| 6 5/8 | | | Depth set _____ |
| 5 3/16 | | | |
| 3 | | | Perf. top _____ |
| 2 | | | Perf. bottom _____ |
| Liners Used | | | Perf. top _____ |
| | | | Perf. bottom _____ |

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names CO TOOL'S - SPUDDER

Remarks: DRILLING @ 100'

2-24-84
DATE

Jerry Holcomb
02/16/2024
DISTRICT WELL INSPECTOR

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

RECEIVED

MAR 1 2 1984

INSPECTOR'S WELL REPORT OIL & GAS DIVISION

Permit No. 039-3998

DEPT. OF MINES

Oil or Gas Well
(KIND)

Company BADGER OIL & GAS
 Address CULLODEN W.VA.
 Farm ST. OF W.VA.
 Well No. 14
 District LOUDON County KANAWHA
 Drilling commenced 1-22-84
 Drilling completed _____ Total depth _____
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

| CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS |
|-------------------|------------------|--------------|----------------------|
| Size | | | |
| 16 | | | Kind of Packer _____ |
| 13 | | | |
| 10 | | | Size of _____ |
| 8 1/4 | | | |
| 6 3/8 | | | Depth set _____ |
| 5 3/16 | | | |
| 3 | | | Perf. top _____ |
| 2 | | | Perf. bottom _____ |
| Liners Used | | | Perf. top _____ |
| | | | Perf. bottom _____ |

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
 NAME OF SERVICE COMPANY _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names CO TOOLS - SPUDDER

Remarks: DRLO @ 600'

3-8-84
DATE

Jerry Holcomb
02/16/2024
DISTRICT WELL INSPECTOR

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

RECEIVED

MAR 20 1984

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 039-3998

Oil or Gas Well _____
(KIND)

Company BADGER OIL & GAS
 Address CULLODEN WVA.
 Farm ST. OF WVA.
 Well No. KSF #14
 District LOUDON County KANAWHA
 Drilling commenced _____
 Drilling completed _____ Total depth _____
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

| CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS |
|-------------------|------------------|--------------|----------------------|
| Size | | | |
| 16 | | | Kind of Packer _____ |
| 13 | | | |
| 10 | | | Size of _____ |
| 8 1/4 | | | |
| 6 5/8 | | | Depth set _____ |
| 5 3/16 | | | |
| 3 | | | Perf. top _____ |
| 2 | | | Perf. bottom _____ |
| Liners Used | | | Perf. top _____ |
| | | | Perf. bottom _____ |

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
 NAME OF SERVICE COMPANY _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names CO TOOLS - SPUDDER

Remarks: DRHC @ 1015' SALT SAND 850'

3-15-84
DATE

Jerry [Signature]
DISTRICT WELL INSPECTOR

02/16/2024

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

RECEIVED

AUG - 6 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 034-3998

Oil or Gas Well _____
(KIND)

| | | | | |
|---|---|------------------|--------------|----------------------|
| Company <u>Badger Oil & Gas</u> | CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS |
| Address <u>Culloden</u> | Size | | | Kind of Packer _____ |
| Farm <u>State of W. VA.</u> | 16 | | | Size of _____ |
| Well No. <u>KSF # 14</u> | 13 | | | Depth set _____ |
| District <u>Louden</u> County <u>Kan</u> | 10 | | | Perf. top _____ |
| Drilling commenced _____ | 8 1/4 | | | Perf. bottom _____ |
| Drilling completed _____ Total depth _____ | 6 5/8 | | | Perf. top _____ |
| Date shot _____ Depth of shot _____ | 5 3/16 | | | Perf. bottom _____ |
| Initial open flow _____ /10ths Water in _____ Inch | 3 | | | Liners Used _____ |
| Open flow after tubing _____ /10ths Merc. in _____ Inch | 2 | | | Perf. top _____ |
| Volume _____ Cu. Ft. | | | | Perf. bottom _____ |
| Rock pressure _____ lbs. _____ hrs. | CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____ | | | |
| Oil _____ bbls., 1st 24 hrs. | NAME OF SERVICE COMPANY _____ | | | |
| Fresh water _____ feet _____ feet | COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES | | | |
| Salt water _____ feet _____ feet | _____ FEET _____ INCHES _____ FEET _____ INCHES | | | |
| | _____ FEET _____ INCHES _____ FEET _____ INCHES | | | |

Drillers' Names _____

Remarks: LOCATION AND ROAD RECLAIMED LOCATION SEEDED AND MULE ROAD NEEDS TO BE SEED

7/31/84

DATE

Rod Dillon

02/16/2024 DISTRICT WELL INSPECTOR

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

RECEIVED

APR 16 1984

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 039-3998

Oil or Gas Well _____
(KIND)

| Company <u>Badger Oil</u> | CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS |
|---|---|------------------|--------------|----------------------|
| | Address <u>Culloden, WV</u> | Size | | |
| Farm <u>State of WV</u> | 16 | | | Kind of Packer _____ |
| Well No. <u>XSF 14</u> | 13 | | | |
| District <u>Louden</u> County <u>Hanawka</u> | 10 | | | Size of _____ |
| Drilling commenced _____ | 8 1/4 | | | |
| Drilling completed _____ Total depth _____ | 6 5/8 | | | Depth set _____ |
| Date shot _____ Depth of shot _____ | 5 3/16 | | | |
| Initial open flow _____ /10ths Water in _____ Inch | 3 | | | Perf. top _____ |
| Open flow after tubing _____ /10ths Merc. in _____ Inch | 2 | | | Perf. bottom _____ |
| Volume _____ Cu. Ft. | Liners Used | | | Perf. top _____ |
| Rock pressure _____ lbs. _____ hrs. | | | | Perf. bottom _____ |
| Oil _____ bbls., 1st 24 hrs. | CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____ | | | |
| Fresh water _____ feet _____ feet | NAME OF SERVICE COMPANY _____ | | | |
| Salt water _____ feet _____ feet | COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES | | | |
| | _____ FEET _____ INCHES _____ FEET _____ INCHES | | | |
| | _____ FEET _____ INCHES _____ FEET _____ INCHES | | | |

Drillers' Names Badger Oil

Remarks: Drilled in at 1931'
Logging Well

4/12/84

DATE

Rod Dill

02/16/2024
DISTRICT WELL INSPECTOR

IV-20
Obverse
1-84

12-Dec

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OFFICE OF OIL AND GAS
CHARLESTON 25305
FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

Company: BADGER OIL & GAS CO
Farm: STATE OF WV KSF #14 Well:

Permit No. 47- 39-3998 (1-19-8
County:KANAWHA

| Rule | Description | In Compliance | |
|-------|---|---------------|-------|
| | | Yes | No |
| 23.06 | Notification prior to starting work | _____ | _____ |
| 25.04 | Prepared before drilling to prevent waste | _____ | _____ |
| 25.03 | High pressure drilling | _____ | _____ |
| 16.01 | Required permits at wellsite | _____ | _____ |
| 15.03 | Adequate Fresh Water Casing | _____ | _____ |
| 15.02 | Adequate Coal Casing | _____ | _____ |
| 15.01 | Adequate Production Casing | _____ | _____ |
| 15.04 | Adequate Cement Strength | _____ | _____ |
| 15.05 | Cement Type | _____ | _____ |
| 23.02 | Maintained Access Roads | _____ | _____ |
| 25.01 | Necessary Equipment to Prevent Waste | _____ | _____ |
| 23.04 | Reclaimed Drilling Pits | _____ | _____ |
| 23.05 | No Surface or Underground Pollution | _____ | _____ |
| 23.07 | Requirements for Production & Gathering Pipelines | _____ | _____ |
| .01 | Well Records on Site | _____ | _____ |
| 16.02 | Well Records Filed | _____ | _____ |
| 7.05 | Identification Markings | _____ | _____ |

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

SIGNED Carlos H. Hively
DATE 6/26/85

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

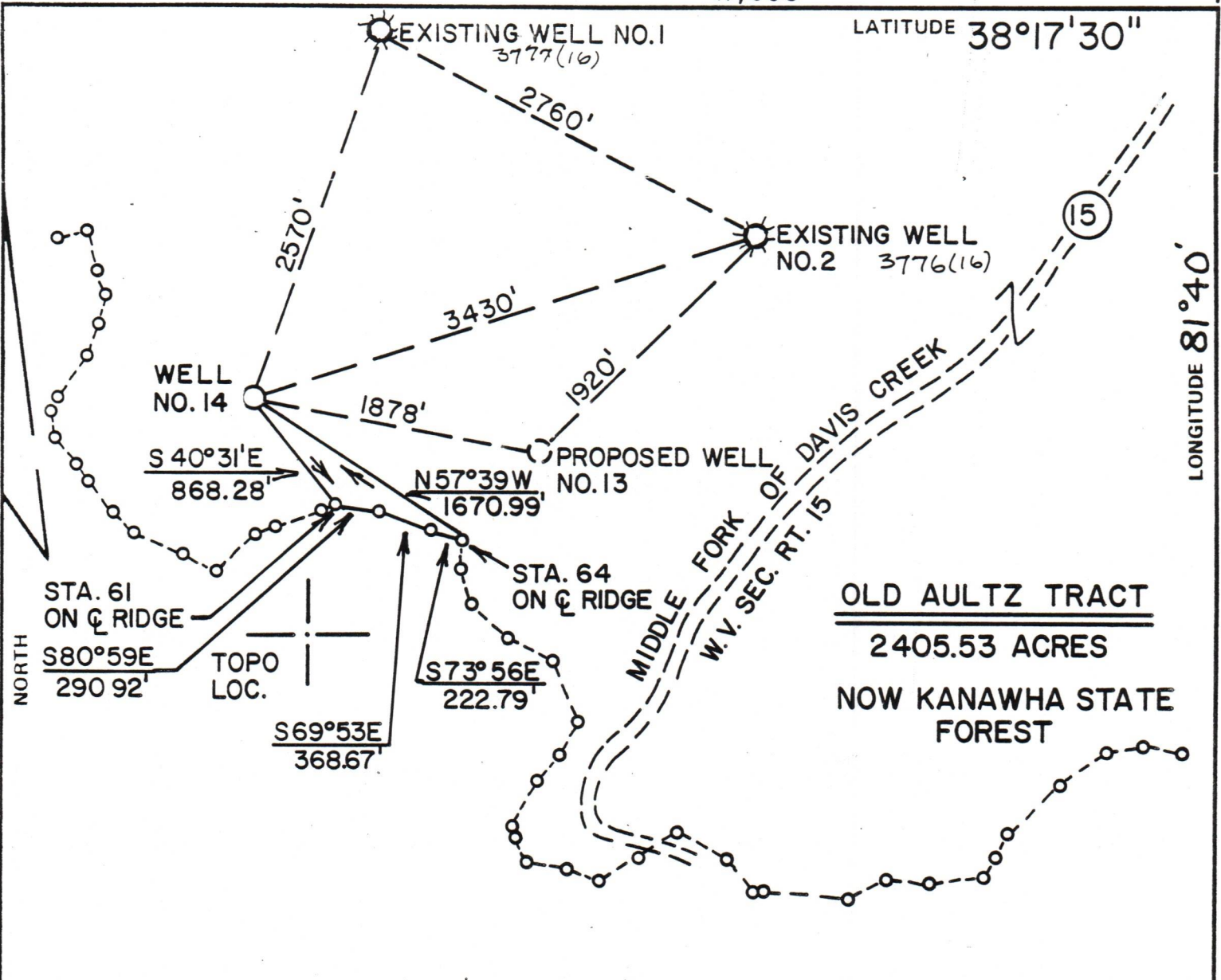
T. H. Hively
Administrator-Oil & Gas Division

July 11, 1985
Date

11,600'

LATITUDE 38°17'30"

LONGITUDE 81°40'



NOTE—U.S.G.S—"812" ELEVATION 812.02' 1.2 MILES SE OF IVYDALE, W.VA.—ALONG W.VA. SEC. RT 15—MOUTH OF LITTLE HOLLOW — — A STANDARD TABLET STAMPED TT 38 CBC 1955" 812"

SURVEYED BY MILLER SURVEYING & MAPPING CO., INC.

FILE NO. _____
DRAWING NO. _____
SCALE 1"=1000'
MINIMUM DEGREE OF ACCURACY 1 IN 2500
PROVEN SOURCE OF ELEVATION SEE NOTE ABOVE

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
(SIGNED) Albert J. Miller
R.P.E. _____ L.L.S. 513

ALBERT J. MILLER
LICENSED
No. 513
STATE OF WEST VIRGINIA
PLACE SEAL HERE

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



DATE DECEMBER 5 1983
OPERATOR'S WELL NO. KSF NO. 14
API WELL NO. _____
47 - 039 - 3998
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION X WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 1086.33 WATER SHED BAYS FORK OF MIDDLE FORK OF DAVIS CREEK
DISTRICT LOUDON DISTRICT COUNTY KANAWHA COUNTY
QUADRANGLE CHARLESTON, W.V.
SURFACE OWNER STATE OF W.V. ACREAGE 2405
OIL & GAS ROYALTY OWNER COLUMBIA GAS COMPANY LEASE ACREAGE 2405
LEASE NO. 170559 02/16/2024
PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION INJUN WEIR ESTIMATED DEPTH 2200 FT.
WELL OPERATOR BADGER OIL & GAS CO. DESIGNATED AGENT BADGER OIL & GAS CO.
ADDRESS P.O. BOX 299 ADDRESS P.O. BOX 299
CULLODEN, W.V. 25510 CULLODEN, W.V. 25510

BADGER OIL & GAS CO., INC.

P. O. BOX 299
CULLODEN, WV 25510

MICHAEL G. CAMPBELL
PRESIDENT

JACK C. DYER, JR.
VICE PRESIDENT

(304) 743-8172

Dec. 22, 1983

Mr. Jim Jones, Administrator
Land & Real Estate Office
State of West Virginia
Dept. of Natural Resources
Charleston, WV 25305

RECEIVED
DEC 27 1983
OIL & GAS DIVISION
DEPT. OF MINES

Re: KSF #13, #14

Mr. Jones:

Badger Oil & Gas Co., Inc. has received a Farmout Agreement from Columbia Gas Transmission to drill on mineral properties underlying your surface. As a surface owner, you are entitled to receive copies of Form IV-2(A), Form IV-2(B), a survey plat, and IV-9 which will be mailed to you upon final approval from the SCD.

If you should have any questions, please do not hesitate to call.

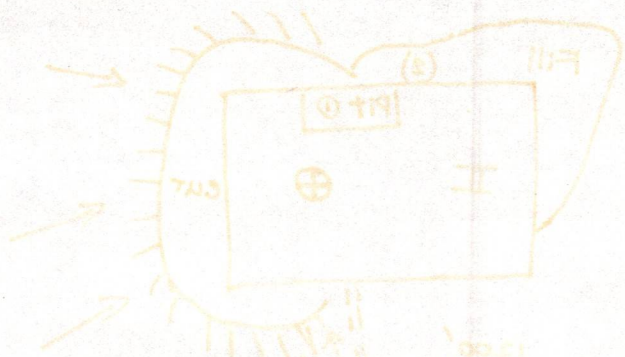
Best Regards,

BADGER OIL & GAS CO., INC.

[Signature]
Michael G. Campbell
President

MGC/js
Enclosures

*B. Cross Drains
1200 x 8" or 6" dia
one Cross Drain per lot
Existing Roadway will be
upgraded as necessary*



02/16/2024



DEC 19 1983

IV-9
(Rev 8-81)

DATE Dec. 15, 1983

WELL NO. KSF #14

State of West Virginia
Department of Mines
Oil and Gas Division

API NO. 47 - .039 3998

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Badger Oil & Gas Co., Inc.
Address P. O. Box 299, Culloden, WV 25510
Telephone 743-8172

DESIGNATED AGENT Jack C. Dyer, Jr.
Address P. O. Box 299, Culloden, WV 25510
Telephone 743-8172

LANDOWNER State of West Virginia
Revegetation to be carried out by Capitol

SOIL CONS. DISTRICT Capitol (Agent)

This plan has been reviewed by Capitol SCD. All corrections and additions become a part of this plan:

JAN. 3 1984

(Date)

R. C. Alford

(SCD Agent)

ACCESS ROAD

LOCATION

Structure _____ (A)
Spacing _____
Page Ref. Manual _____

Structure Drilling Pit (1)
Material Earthen
Page Ref. Manual -

Structure Culvert Ditch relief & drain (B)
Spacing Damp areas 12" steel
5% grade
Page Ref. Manual 2-7, 2-8 Table 3 I per 135'

Structure Sediment barrier (2)
Material Earth - plastic liner
Page Ref. Manual 2-16

Structure Diversion Ditch - cross drains (C)
Spacing damp areas
Page Ref. Manual 2-1, 2-2, 2-3, 2-4 Table I

Structure _____ (3)
Material _____
Page Ref. Manual _____

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

REVEGETATION

Treatment Area I

Treatment Area II

Lime 3 Tons/acre
or correct to pH 6.5
Fertilizer 500 lbs/acre
(10-20-20 or equivalent)
Mulch Hay 2 Tons/acre
Seed* KY-31 tall fescue 20 lbs/acre
c red fescue 10 lbs/acre
crown vetch 10 lbs/acre

Lime 3 Tons/acre
or correct to pH 6.5
Fertilizer 500 lbs/acre
(10-20-20 or equivalent)
Mulch Hay 2 Tons/acre
Seed* KY-31 Tall Fescue 20 lbs/acre
C Red Fescue 10 lbs/acre
Crown Vetch 10 lbs/acre

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

02/16/2024

PLAN PREPARED BY Jack C. Dyer, Jr.

ADDRESS P. O. Box 299
Culloden, WV 25510

PHONE NO. 743-8172

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

ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE Charleston, WV

| |
|-------------|
| LEGEND |
| Well Site ⊕ |

WELL LOCATION

- 1) Date: Dec. 22, 1983
- 2) Operator's Well No. KSF #14
- 3) API Well No. 47 - 039 - 3998
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED

- (i) Name State of West Virginia
Address Attn: Jim Jones Adm.
Dept. of Natural Resources
- (ii) Name Charleston, W.V. 25305
Address _____
- (iii) Name _____
Address _____

5(i) COAL OPERATOR None
Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name None
Address _____

Name None
Address _____

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address _____

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

6) EXTRACTION RIGHTS

Check and provide one of the following:

- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas. on file 039-3993
- The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

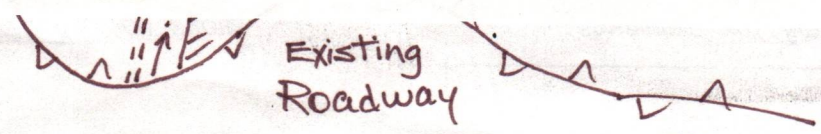
See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by

Jack C. Dyer Jr
his 3rd day of Dec, 1985.
My commission expires 10/7/85

James A. McCann
Notary Public, Calwell County,
State of WV

WELL OPERATOR Badger Oil and Gas Co. Inc.
By [Signature]
Its Vice - President
Address Box 299 02/16/2024
Culloden, W.V. 25510
Telephone 743-8172





1) Date: Dec. 22, 19 83
 2) Operator's Well No. KSF #14
 3) API Well No. 47 State 039 County Permit

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

- 4) WELL TYPE: A Oil _____ / Gas X /
 B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 1086.33 Watershed: Bays Fork of Middle Fork of Davis Creek
 District: Loudon County: Kanawha Quadrangle: Charleston, WV
- 6) WELL OPERATOR Badger Oil & Gas Co., Inc. 7) DESIGNATED AGENT Jack C. Dyer, Jr.
 Address P. O. Box 299 Address P. O. Box 299
Culloden, WV 25510 Culloden, WV 25510
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Jerry Holcomb Name Dyer Well Service, Inc.
 Address Box 5B Address P. O. Box 299
Indore, WV 25111 587-7299 Culloden, WV 25510
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate _____ /
 Plug off old formation _____ / Perforate new formation _____ /
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Injun Weir
 12) Estimated depth of completed well, 2200 feet
 13) Approximate strata depths: Fresh, 200 feet; salt, 800 feet.
 14) Approximate coal seam depths: None Is coal being mined in the area? Yes _____ / No X /

15) CASING AND TUBING PROGRAM

| CASING OR TUBING TYPE | SPECIFICATIONS | | | | | FOOTAGE INTERVALS | | CEMENT FILL-UP OR SACKS (Cubic feet) | PACKERS | |
|-----------------------|----------------|------------|----------------|----------|------|-------------------|--------------|--------------------------------------|---------------------------------------|------------------------------------|
| | Size | Grade | Weight per ft. | New | Used | For drilling | Left in well | | | |
| Conductor | <u>10 3/4</u> | <u>K55</u> | <u>40</u> | <u>X</u> | | <u>60</u> | <u>60</u> | <u>Cemented to Circulate</u> | <u>Kinds fill-up & to surface</u> | |
| Fresh water | <u>8 5/8</u> | <u>K55</u> | <u>38</u> | <u>X</u> | | <u>400</u> | <u>400</u> | | | <u>Sizes 10 1/2 05</u> |
| Coal | | | | | | | | | | |
| Intermediate | <u>6 5/8</u> | <u>K55</u> | <u>20</u> | <u>X</u> | | <u>1680</u> | <u>1680</u> | <u>Cemented back cover 300'</u> | <u>Depths set up hole to of 6 5/8</u> | |
| Production | <u>4 1/2</u> | | <u>9.5</u> | <u>X</u> | | <u>2100</u> | <u>2100</u> | | | <u>Perforations: by rule 15.09</u> |
| Tubing | <u>1"</u> | | | <u>X</u> | | <u>2100</u> | <u>2100</u> | | | <u>Top 1900 Bottom 1940</u> |
| Liners | | | | | | | | | | |

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of the filing of the Application.

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19 _____ By _____
 Its _____

02/16/2024
 Coal Owner

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED
(i) Name State of West Virginia
Address Attn: Jim Jones Adm.
Dept. of Natural Resources
(ii) Name Charleston, W.V. 25305
Address _____
(iii) Name _____
Address _____

5(i) COAL OPERATOR None
Address _____
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name None
Address _____
Name None
Address _____
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address _____

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

6) EXTRACTION RIGHTS

Check and provide one of the following:
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas. on file 039-3993
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by

Mark C. Dyer Jr.
this 30 day of Dec, 1983.
My commission expires 10/7/83

James A. McCallister
Notary Public, Calwell County,
State of W.V.

WELL
OPERATOR Badger Oil and Gas Co. Inc.
By [Signature]
Its Vice - President
Address Box 299
Culloden, W.V. 25510
Telephone 43-8172

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING 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 § 22-4-1b(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 § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent 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 § 22-4-1m, 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--

- (1) 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 | Book Page |
|-----------------------|-----------------------|---------|-----------|



02/16/2024

State of West Virginia

Department of Mines
Oil and Gas Division

02/16/2024

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Badger Oil & Gas Co., Inc.

Address P. O. Box 299, Culloden, WV 25510

Telephone 743-8172

LANDOWNER State of West Virginia

Revegetation to be carried out by Capitol

This plan has been reviewed by Capitol

and additions become a part of this plan:

JAN 3 1984

(Date)

R. E. ...

(SCD Agent)

LOCATION

Structure (A)

Spacing

Page Ref. Manual

Structure Culvert Ditch relief & drain (B)

Spacing Damp areas 12" steel

Page Ref. Manual 2-7, 2-8 Table 3.1 per 135'

Structure Diversion Ditch - cross drains (C)

Spacing damp areas

Page Ref. Manual 2-1, 2-2, 2-3, 2-4 Table 1

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

REVEGETATION

Lime 3 Tons/acre or correct to pH 6.5

Fertilizer 500 lbs/acre (10-20-20 or equivalent)

Mulch Hay 2 Tons/acre

Seed * KY-31 tall fescue 20 lbs/acre

c red fescue 10 lbs/acre

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

Treatment Area II

Lime 3 Tons/acre or correct to pH 6.5

Fertilizer 500 lbs/acre (10-20-20 or equivalent)

Mulch Hay 2 Tons/acre

Seed * KY-31 Tall Fescue 20 lbs/acre

C Red Fescue 10 lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium.

PLAN PREPARED BY Jack C. Dyer, Jr.

ADDRESS P. O. Box 299

Culloden, WV 25510

PHONE NO. 743-8172

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

DEC 19 1983

DATE Dec. 15, 1983

WELL NO. KSF #14

API NO. 47 -039

DESIGNATED AGENT Jack C. Dyer, Jr.
Address P. O. Box 299, Culloden, WV 25510
Telephone 743-8172
SOIL CONS. DISTRICT Capitol

(Agent)

SCD. ALL corrections

Structure Drilling pit (1)

Material Earthen

Page Ref. Manual -

Structure Sediment barrier (2)

Material Earth - plastic liner

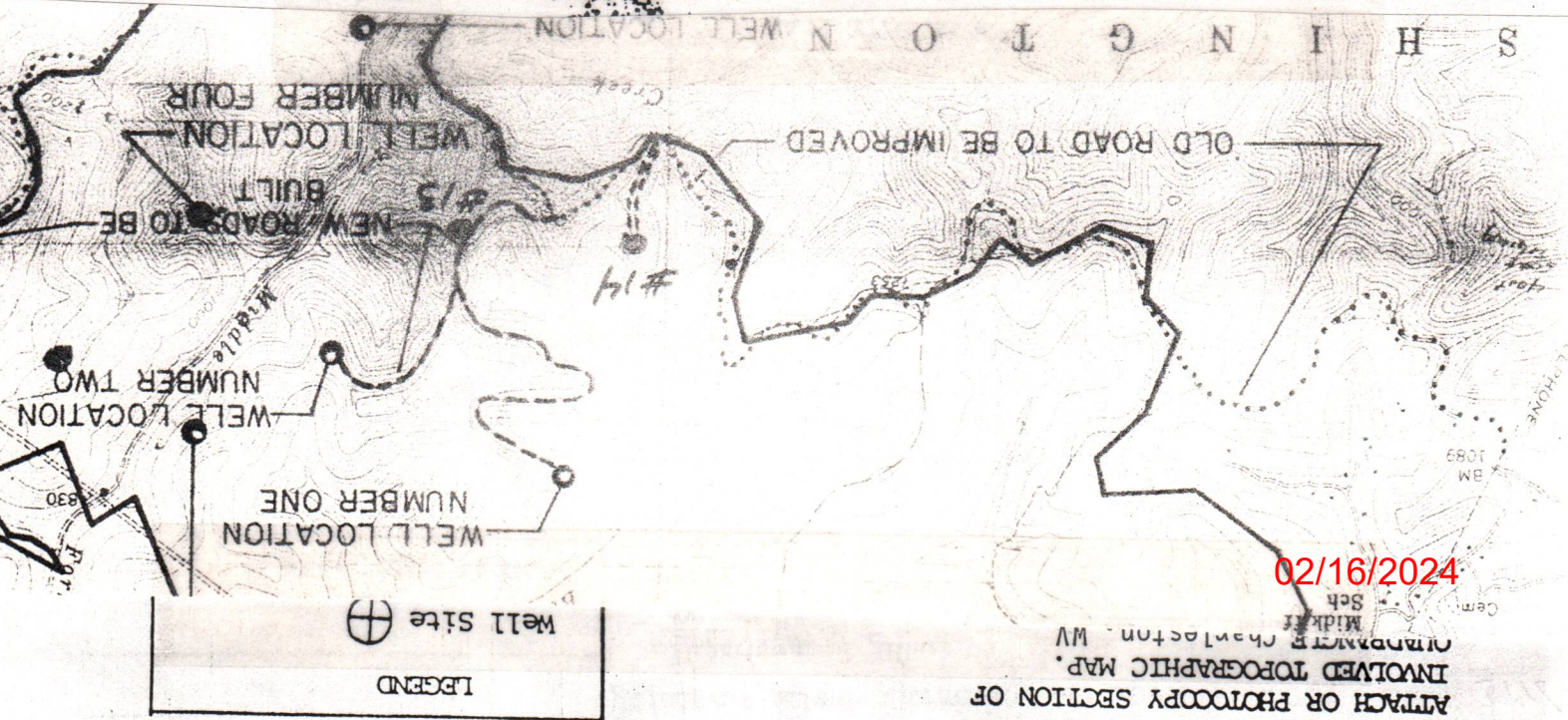
Page Ref. Manual 2-16

Structure (3)

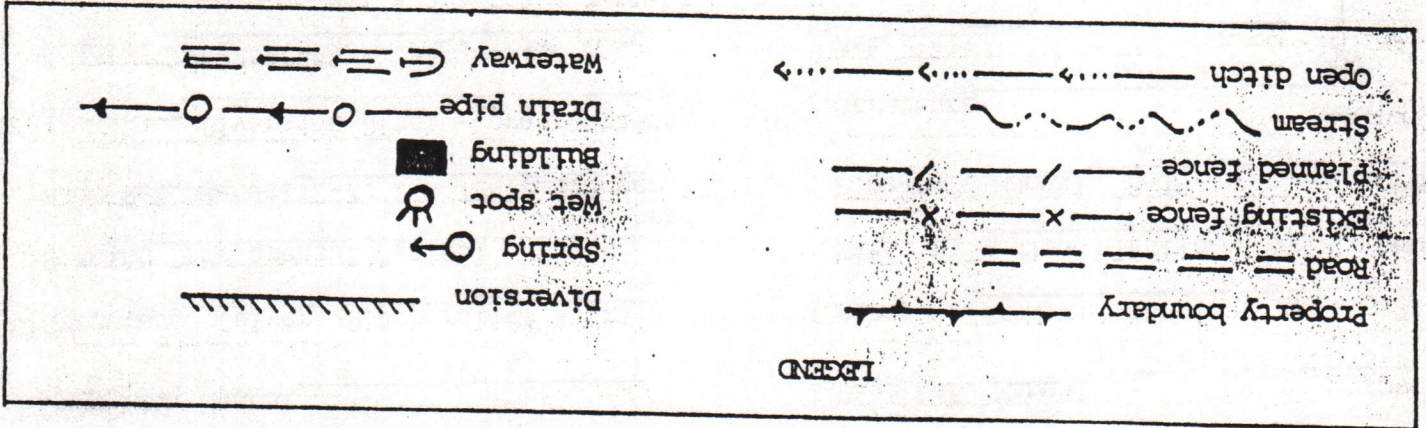
Material

Page Ref. Manual

ATTACH OR PHOTO COPY SECTION OF INVOLVED TOPOGRAPHIC MAP. MIDDLETOWN CHANLACTON, WV
2/16/2024



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



B. Cross Drains
1200' & 5% Grade
One Cross Drain Per 135'
Existing Roadway will be
Upgraded as necessary.

