



1) Date: February 28, 19 84
 2) Operator's Well No. KEM #536
 3) API Well No. 47 - 035 - 1940
 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: 706 Watershed: Washburn Run
 District: Ravenswood County: Jackson Quadrangle: Liverpool
- 6) WELL OPERATOR Kaiser Exploration and Mining Co DESIGNATED AGENT R. A. Pryce
 Address P. O. Box 8 Address Same
Ravenswood, WV 26164
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Jerry Tephabock
 Address Rt. 1, Box 101A
Ripley, WV 25271
- 9) DRILLING CONTRACTOR: Name Clint Hurt
 Address P. O. Box 388
Elkview, WV
- 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, Devonian Brown Shale
- 12) Estimated depth of completed well, 4361 feet
- 13) Approximate trata depths: Fresh, _____ feet; salt, _____ feet.
- 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes / No
- 15) CASING AND TUBING PROGRAM

RECEIVED
 MAR 19 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

| 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 | | | | | | | | | Kinds |
| Fresh water | 10 3/4 | | | X | | 250 | 250 | 150 sks class | A to surface |
| Coal | | | | | | | | | Sizes |
| Intermediate | 7" | | | X | | 2455 | 2455 | 65 sks 50/50 | pozmix, 100 sks class |
| Production | 4 1/2" | | | X | | 4361 | 4361 | 225 sks 50/50 | pozmix |
| Tubing | | | | | | | | | Depos |
| Liners | | | | | | | | | Perforations: <u>ruled 15'-0'</u> |
| | | | | | | | | | Top Bottom |

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-035-1940 Date April 4, 1984

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 April 4, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

| | | | | |
|----------------------|------------------|-----------------|-------------------|---------------------|
| Bond: BLANKET | Agent: <u>lp</u> | Plat: <u>MH</u> | Casing: <u>MH</u> | Fee: <u>966-561</u> |
|----------------------|------------------|-----------------|-------------------|---------------------|

[Signature]
 Administrator, Office of Oil and Gas

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

1) Date: February 23, 1984
 2) Operator's Well No. 47
 3) API Well No. 47
 Reverse
 State County Permit



FILE COPY
 FORM IV-2(B)
 (Over)

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
OFFICE USE ONLY

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

1) LOCATION: District: _____ Elevation: _____
 2) WELL OPERATOR: Name: _____ Address: _____
 3) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: _____ Address: _____
 4) DRILLING CONTRACTOR: Name: _____ Address: _____
 5) DESIGNATED AGENT: Name: _____ Address: _____
 6) PROPOSED WELL WORK: Drill _____ / Redrill _____
 7) GEOLOGICAL TARGET FORMATION: _____
 8) Estimated depth of completed well, _____ feet
 9) Approximate true depths: Fresh, _____ feet; Salt, _____ feet
 10) Approximate coal seam depths: _____ feet
 11) Is coal being mined in the area? Yes _____

| CASING OR TUBING TYPE | Size | Grade | SPECIFICATIONS | | Footage Intervals | Left in well | Cement Fill-up or Backs (Cable test) | Packers |
|-----------------------|------|-------|----------------|----------|-------------------|--------------|--------------------------------------|---------|
| | | | Weight per ft. | New Used | | | | |
| Conductor | | | | | | | | |
| Fresh water | | | | | | | | |
| Coal | | | | | | | | |
| Intermediate | | | | | | | | |
| Production | | | | | | | | |

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: _____
 Administrator, Office of Oil and Gas

| | | | | |
|--------------|-------------|---------------|------------|---------|
| Agent: _____ | Plan: _____ | Casing: _____ | Fee: _____ | Blanket |
|--------------|-------------|---------------|------------|---------|

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



IV-9
(Rev 8-81)

DATE February 13, 1984

WELL NO. KEM #536

State of West Virginia
Department of Mines
Oil and Gas Division

API NO. 47-035-1940

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Kaiser Exploration and Mining Co DESIGNATED AGENT R. A. Pryce
Address P. O. Box 8, Ravenswood, WV Address Same
Telephone 273-5371 Telephone _____

LANDOWNER Westvaco Corporation SOIL CONS. DISTRICT Western
Revegetation to be carried out by Kaiser Exploration and Mining Company (Agent)

This plan has been reviewed by Western SCD. All corrections and additions become a part of this plan: 2/17/84 (Date)
Wayne W. Hughes (SCD Agent)

ACCESS ROAD

LOCATION

Structure Road culvert (A)
Spacing 16" diameter
Page Ref. Manual 2-7

Structure Diversion Ditch (1)
Material Earthen
Page Ref. Manual 2:12

Structure Cross Drains (B)
Spacing 250'
Page Ref. Manual 2:4

Structure _____ (2)
Material _____
Page Ref. Manual _____

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

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

OK
Treatment Area I

Treatment Area II

Lime 4 Tons/acre
or correct to pH _____
Fertilizer 14-14-14 600 lbs/acre
(10-20-20 or equivalent)
Mulch Hay 2 Tons/acre
Seed* 81% Orchard Grass/15% Ry 16 lbs/acre
Kentucky 31 Fescue 16 lbs/acre
Red Clover 8 lbs/acre

Lime Same as Area I _____ Tons/acre
or correct to pH _____
Fertilizer _____ lbs/acre
(10-20-20 or equivalent)
Mulch _____ Tons/acre
Seed* _____ lbs/acre
_____ lbs/acre
_____ lbs/acre

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

PLAN PREPARED BY Vincent Wood

ADDRESS 116 Pfost Avenue

Ripley, WV 25271

PHONE NO. 372-2709

09/08/2023

NOTES: Please request landowner's 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 LIVER POOL

LEGEND

Well Site ⊕

Access Road ———

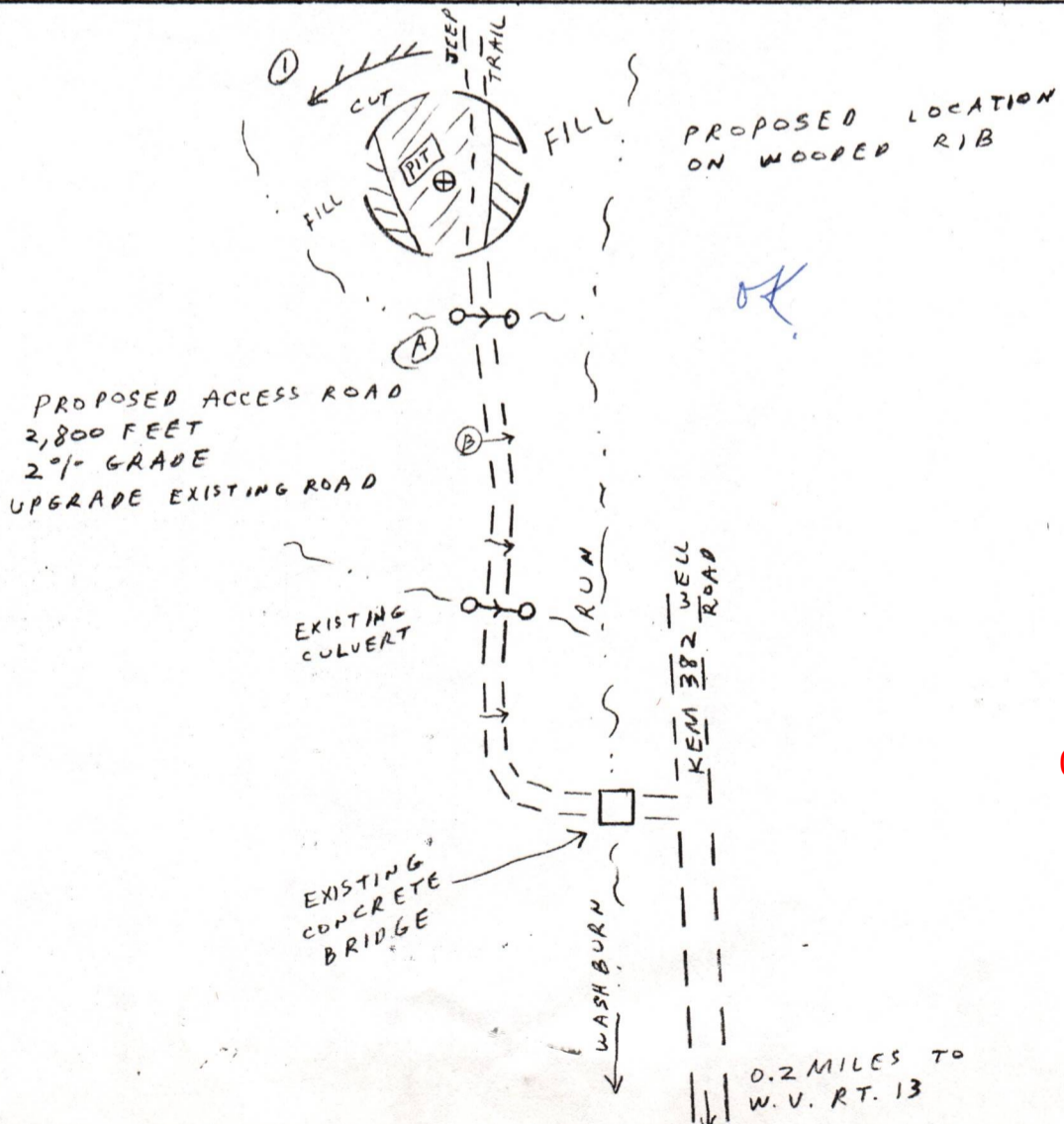


WELL SITE PLAN

Sketch 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.

LEGEND

| | |
|--------------------------------|--------------------|
| Property boundary ———▲——— | Diversion ———/——— |
| Road = = = = = | Spring ○→ |
| Existing fence ———x———x——— | Wet spot ♀ |
| Planned fence ———/———/——— | Building ■ |
| Stream ~~~~~ | Drain pipe —○→○→○→ |
| Open ditch ———>———>———>———>——— | Waterway <= = = = |



09/08/2023

1) Date: February 28, 1984
2) Operator's Well No. KEM #536
3) API Well No. 47-035-1940
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 Westvaco Corporation

Address P. O. Box 4216

Parkersburg, WV 26101

(ii) Name _____

Address _____

(iii) Name _____

Address _____

5(i) COAL OPERATOR None
Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:

Name None

Address _____

Name _____

Address _____

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:

Name None

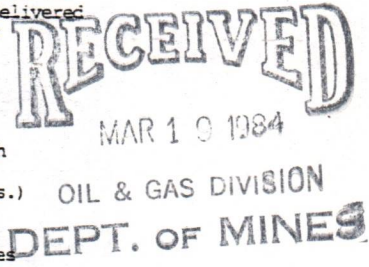
Address _____

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.

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

R. A. Pryce

this 1 day of March, 1984.

My commission expires 8/30, 1993.

Dorise Carney
Notary Public, Jackson County,
State of West Virginia

WELL

OPERATOR Kaiser Exploration and Mining Company

By R. A. P.
Its General Manager

Address P. O. Box 8

Ravenswood, WV 26164

Telephone 304 273 5371

09/08/2023

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:

| <u>Grantor, lessor, etc.</u> | <u>Grantee, lessee, etc.</u> | <u>Royalty</u> | <u>Book Page</u> |
|------------------------------|------------------------------------------|----------------------------------|-------------------|
| Delbert Cole | Kaiser Exploration and Mining Company | 1/8 of prevailing field price | 178/445 65/339 |

AFFIDAVIT OF PERSONAL SERVICE ON SURFACE OWNER

STATE OF West Va,
COUNTY OF Jackson:

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of--

- (1) Notice on Form IV-2(A) X / Form IV-3(A) / Form IV-4(A) /
- (2) Application on Form IV-2(B) X / Form IV-3(B) / Form IV-4(B) /
- (3) Diagram showing the well location on Form IV-6, and
- (4) Construction and Reclamation Plan on Form IV-9 (unless the application is to plug a well)

--all with respect to operator's Well No. KEM536 located in Ravenswood District, Jackson County, West Virginia, upon the person or organization named--

WestVaco Corp

--by delivering the same in Wood County, State of West Va on the 5 day of March, 1984 in the manner specified below

RECEIVED
MAR 10 1984
OIL & GAS DIVISION
DEPT. OF MINES

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

- Handing it to him / her / or, because he / she / refused to take it when I offered it, by leaving it in his / her / presence.
- Handing it to a member of his or her family above the age of 16 years named _____ who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

- Handing it to _____, a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

- Handing it to the general partner, named _____, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

- Handing it to the corporation's employee X / officer / director / attorney in fact / named Robert C. Langkamer.

Stephen W Kelly
(Signature of person executing service)

Taken, subscribed and sworn before me this 6 day of March, 1984.
My commission expires 8-30-93

Dennis Carney
Notary Public

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)

RECEIVED



IV-35
(Rev 8-81) OIL & GAS DIVISION

DEC 12 1984

DEPT. OF MINES

State of West Virginia

Department of Mines
Oil and Gas Division

Date May 21, 1984
Operator's
Well No. KEM #536
Farm Delbert Cole
API No. 47 - 035 - 1940

CONFIDENTIAL

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 706 Watershed Washburn Run
District: Ravenswood County Jackson Quadrangle Liverpool

COMPANY Kaiser Exploration and Mining Co.

ADDRESS P. O. Box 8, Ravenswood, WV 26164

DESIGNATED AGENT R. A. Pryce

ADDRESS P. O. Box 8, Ravenswood, WV 26164

SURFACE OWNER Westvaco Corporation

ADDRESS P. O. Box 4216, Parkersburg, WV 26101

MINERAL RIGHTS OWNER Delbert E. Cole Heirs et al

ADDRESS Rt. 1, Liverpool, WV

OIL AND GAS INSPECTOR FOR THIS WORK Jerry

Tephabock ADDRESS Ripley, WV 25271

PERMIT ISSUED April 4, 1984

DRILLING COMMENCED April 25, 1984

DRILLING COMPLETED May 2, 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" | 10 3/4" | 252' | 150 sacks Class A |
| 9 5/8 | | | |
| 8 5/8 | | | |
| 7 | 7" | 2400' | 200 sks 50, 50 poz 100 sks Class A |
| 5 1/2 | | | |
| 4 1/2 | 4 1/2" | 4334' | 175 sks 50, 50 poz |
| 3 | | | |
| 2 | | | |
| Liners used | | | |

GEOLOGICAL TARGET FORMATION Devonian Brown Shale Depth 4361 feet

Depth of completed well 4365 feet Rotary X / Cable Tools

Water strata depth: Fresh N/A feet; Salt N/A feet

Coal seam depths: NONE Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Devonian Brown Shale Pay zone depth 4062 - 4318 feet

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

Final open flow 143 Mcf/d Final open flow Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1220 psig (surface measurement) after 192 hours shut in
(If applicable due to multiple completion--)

Second producing formation Pay zone depth

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

(Continue on reverse side)

JACK-1940

09/08/2023

RECEIVED

DEPT. OF MINES

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

Young's Wireline perforated Brown Shale with 20 .39" holes from 4062' to 9318'.

B.J. Hughes Foam Frac, brokedown at 1730 psig. Treated with 75 quality foam from 2200 to 2340 psig. sand concentration from 4-10 ppg, 20/40 sand; H₂O rate: 10 bbl/min., N₂ rate: 25 MSCF/min., Foam rate: 40 bbl/min. Total N₂: 575 scf, total sand: 60,000 lb., total sand laden fluid: 214 bbl, total fluid 288 bbl, ISIP: 1180 psig, 5 min SIP: 1070 psig.

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 and Shale | | | 0 | 30 | |
| Sand | | | 30 | 86 | |
| Shale | | | 86 | 175 | |
| Sand | | | 175 | 195 | |
| Shale and Siltstone | | | 195 | 543 | |
| Sand | | | 543 | 610 | |
| Shale and Siltstone | | | 610 | 1132 | |
| Little Dunkard Sand | | | 1132 | 1220 | |
| Shale and Siltstone | | | 1220 | 1330 | |
| Big Dunkard Sand | | | 1330 | 1600 | |
| Shale and Siltstone | | | 1600 | 1714 | |
| Salt Sands | | | 1714 | 1849 | |
| Big Lime (Greenbrier) | | | 1849 | 1938 | |
| Shale | | | 1938 | 1954 | |
| Big Injun Sand | | | 1954 | 1990 | |
| Shale | | | 1990 | 2368 | |
| Coffee Shale | | | 2368 | 2381 | |
| Berea Sand | | | 2381 | 2383 | very slight show of oil |
| Shale | | | 2383 | 3642 | |
| Brown Shale | | | 3642 | 4310 | show gas at 4301' |
| Shale | | | 4310 | 4380 | |
| Total Depth | | | 4380 | | |

(Attach separate sheets as necessary)

KAISER EXPLORATION AND MINING COMPANY

Well Operator

By:

R A P

09/08/2023

Date:

May 23, 1984

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
MAY 2 - 1984

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 035 1940

Oil or Gas Well _____
(KIND)

| | | | | |
|---------------------------------------------------------|-----------------------------------------------------------|------------------|--------------|----------------------|
| Company <u>Kaiser Exploration</u> | CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS |
| Address _____ | Size | | | Kind of Packer _____ |
| Farm _____ | 16 | | | |
| Well No. <u>Kem 536</u> | 13 | | | Size of _____ |
| District <u>Ravenswood</u> County <u>Jackson</u> | 10 | | | |
| Drilling commenced <u>4 25 84</u> | 8 1/4 | | | Depth set _____ |
| Drilling completed _____ Total depth _____ | 6% | | | |
| Date shot _____ Depth of shot _____ | 5 3/16 | | | Perf. top _____ |
| Initial open flow _____ /10ths Water in _____ Inch | 3 | | | Perf. bottom _____ |
| Open flow after tubing _____ /10ths Merc. in _____ Inch | 2 | | | Perf. top _____ |
| Volume _____ Cu. Ft. | Liners Used | | | 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 Hurt Rig #2

Remarks:

4 25 84 Spud Date
4 26 84 Ran 6 jts csg 103/4 252 set 262 KB cement BJ Hughes 150sacs
class a 3% cacl 1/4 lb fflocele per sac plug down 12:15 am.

4 26 84
DATE

[Signature]
09/08/2023

Form 26
2/16/82

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

RECEIVED

INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

| Liner | Location | Amount | Packer | Location | | |
|-----------------------------|-----------|--------|-----------------------|-------------------|------|------|
| PLUGS USED AND DEPTH PLACED | | | BRIDGES | CASING AND TUBING | | |
| CEMENT-THICKNESS | WOOD-SIZE | LEAD | CONSTRUCTION-LOCATION | RECOVERED | SIZE | LOST |
| | | | | | | |
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Drillers' Names _____

Remarks: _____

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

DATE

09/08/2020

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

RECEIVED
MAY 2 - 1964
OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 035 1940

Oil or Gas Well _____
(KIND)

| | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------|---------------------|----------------------|
| Company <u>Kaiser Exploration</u> Address _____ Farm _____ Well No. <u>Kem 536</u> District <u>Ravenswood</u> County <u>Jackson</u> 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 _____ bbla., 1st 24 hrs. Fresh water _____ feet _____ feet Salt water _____ feet _____ feet | CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS |
| | Size | | | Kind of Packer _____ |
| | 16 | | | |
| | 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 _____

Remarks:

Drilling on mud at 1351 feet.

4 27 84
DATE

George T. ...
09/08/2023

Form 26
2/16/82

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

| Liner | | Location | Amount | Packer | Location | | |
|-----------------------------|-----------|----------|-----------------------|--------|-------------------|------|------|
| PLUGS USED AND DEPTH PLACED | | | BRIDGES | | CASING AND TUBING | | |
| CEMENT-THICKNESS | WOOD-SIZE | LEAD | CONSTRUCTION-LOCATION | | RECOVERED | SIZE | LOST |
| | | | | | | | |
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Drillers' Names _____

Remarks: _____

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

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

RECEIVED
MAY 7 - 1934

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 035 1940

Oil or Gas Well _____
(KIND)

| | | | | |
|---------------------------------------------------------|-----------------------------------------------------------|------------------|--------------|----------------------|
| Company <u>Kaiser Exploration</u> | CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS |
| Address _____ | Size | | | |
| Farm _____ | 16 | | | Kind of Packer _____ |
| Well No. <u>Kem 536 Cole</u> | 13 | | | |
| District _____ County <u>Jackson</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 _____ bbla., 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 _____

Hurt Rig #4 Junior Archer

Remarks:

4 30 84 Ran 2399.8 feet 7" csg set 2409 KB cemented Hughes 200 sacs 50/50 poz 10% salt 1/4 # per sac selflake plus 100 sacs class A 3% d cacl plus 1/4 # per sac selflake plug down 12:45 AM

4 30 84
DATE

Junior Archer
09/08/2023

Form 26
2/16/82

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

| Liner | | | Location | | Amount | | Packer | | Location | | |
|-----------------------------|-----------|------|-----------------------|--|-------------------|------|--------|--|----------|--|--|
| PLUGS USED AND DEPTH PLACED | | | BRIDGES | | CASING AND TUBING | | | | | | |
| CEMENT-THICKNESS | WOOD-SIZE | LEAD | CONSTRUCTION-LOCATION | | RECOVERED | SIZE | LOST | | | | |
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Drillers' Names _____

Remarks: _____

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

09/08/2023



RECEIVED
AUG - 8 1984
OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

COMPANY Kaiser Exploration & Mining Co. PERMIT NO 035 1940
P. O. Box 8 FARM & WELL NO Kem 536
Ravenswood, WV 26164 DIST. & COUNTY Jackson

| RULE | DESCRIPTION | IN COMPLIANCE | |
|-------|---------------------------------------------------|---------------|-------|
| | | YES | NO |
| 23.06 | Notification Prior to Starting Work | _____ | _____ |
| 25.04 | Prepared before Drilling to Prevent Waste | _____ | _____ |
| 25.03 | High-Pressure Drilling | _____ | _____ |
| 16.01 | Required Permits at Wellsite | _____ | _____ |
| 15.03 | Adequate Fresh Water Casing | _____ | _____ |
| 15.02 | Adequate Coal Casing | _____ | _____ |
| 15.01 | Adequate Production Casing | _____ | _____ |
| 15.04 | Adequate Cement Strenght | _____ | _____ |
| 15.05 | Cement Type | _____ | _____ |
| 23.02 | Maintained Atçess Roads | _____X_____ | _____ |
| 25.01 | Necessary Equipment to Prevent Waste | _____X_____ | _____ |
| 23.04 | Reclaimed Drilling Pits | _____X_____ | _____ |
| 23.05 | No Surface or Underground Pollution | _____X_____ | _____ |
| 23.07 | Requirements for Production & Gathering Pipelines | _____X_____ | _____ |
| 16.01 | Well Records on Site | _____ | _____ |
| 16.02 | Well Records Filed | _____ | _____ |
| 7.05 | Identification Markings | _____X_____ | _____ |

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

SIGNED *Jeff. Tephred*
DATE 8 3 84

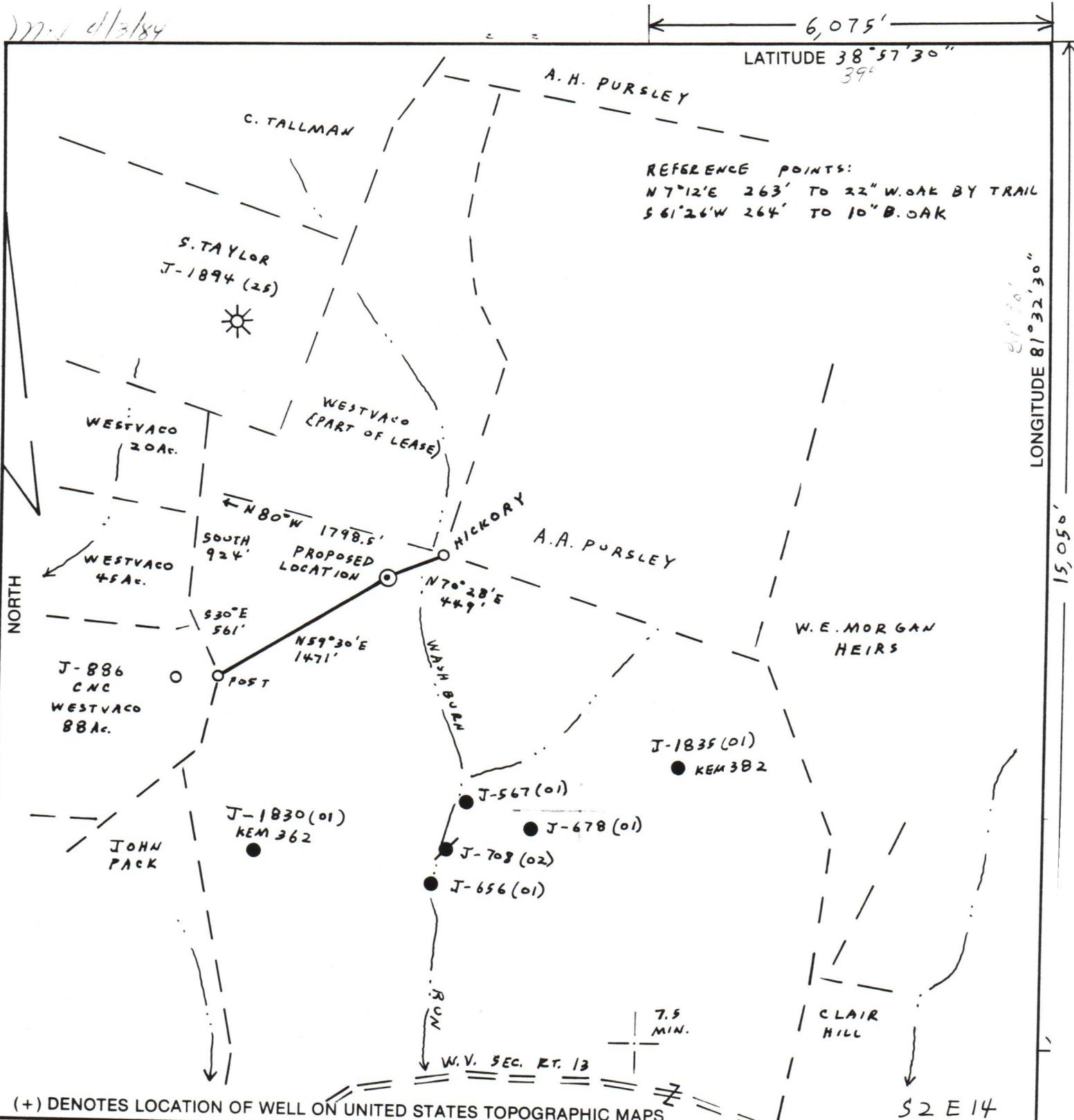
Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T. L. ...

Administrator-Oil & Gas Division

January 28, 1985

DATE



FILE NO. 7-15
 DRAWING NO. _____
 SCALE 1" = 1,000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION HIGH POINT ELEV. 1036, 1400' S.W. OF LOCATION

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) Vincent R. Wood
 R.P.E. _____ L.L.S. 664

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
OIL AND GAS DIVISION

DATE FEBRUARY 8, 19 84
 OPERATOR'S WELL NO. KEM 536
 API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW

LOCATION: ELEVATION 706 WATERSHED WASHBURN RUN
 DISTRICT RAVENSWOOD COUNTY JACKSON
 QUADRANGLE LIVER POOL

SURFACE OWNER WESTVACO CORP. ACREAGE 378.02
 OIL & GAS ROYALTY OWNER DELBERT E. COLE HEIRS, ET AL. LEASE ACREAGE 1,085.5
 LEASE NO. 88-01-2862

PROPOSED WORK: DRILL 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 DEVONIAN BROWN SHALE ESTIMATED DEPTH 4361

WELL OPERATOR KAISER EXPLORATION & MINING CO. DESIGNATED AGENT KAISER EXPLOR. & MINING CO.
 ADDRESS P.O. BOX 8, RAVENSWOOD, W.V. 26164 ADDRESS P.O. BOX 8, RAVENSWOOD, W.V. 26164

STATE 47 COUNTY 035 PERMIT 1940

09/08/2023

COUNTY NAME _____ PERMIT _____