



1) Date: March 12, 19 84  
 2) Operator's Well No. KEM #494  
 3) API Well No. 47 - 035 - 1945  
 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 X /  
 B (If "Gas", Production X / Underground storage            / Deep            / Shallow X /)
- 5) LOCATION: Elevation: 769 Watershed: Right Fork of Sandy Creek  
 District: Ravenswood County: Jackson Quadrangle: Sandyville
- 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 101 A  
Ripley, WV 25271
- 9) DRILLING CONTRACTOR: Name Clint Hurt  
 Address P. O. Box 388  
Elkview, WV
- 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, Devonian Brown Shale
- 12) Estimated depth of completed well, 4320 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 21 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		
Conductor								Kinds
Fresh water	10 3/4"			X		250	250	150 sks class A to surface
Coal								Sizes
Intermediate	7"			X		2200	2200	65 sks 50/50 pozmix, 100 sks Class
Production	4 1/2"			X		4320	4320	225 sks 50/50 pozmix
Tubing								or as req. by rule 15.01
Liners								Perforations: Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-035-1945 Date April 16, 19 84

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 16, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>B</u>	Agent: <u>LP</u>	Plat: <u>MHI</u>	Casing: <u>MHI</u>	Fee: <u>900 - 651</u>
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*[Signature]*  
 Administrator, Office of Oil and Gas

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



1) Date: \_\_\_\_\_ 19\_\_\_\_  
 2) Operator's Well No. \_\_\_\_\_  
 3) API Well No. \_\_\_\_\_ State \_\_\_\_\_ County \_\_\_\_\_ Permit \_\_\_\_\_



FILE COPY

FORM IV-2(B)  
 (Overse)  
 7-83

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

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

1) LOCATION: B (H "Gas", Production) / Underground storage / Deep / Shallow  
 Elevation: \_\_\_\_\_  
 District: \_\_\_\_\_  
 County: \_\_\_\_\_  
 Quadrangle: \_\_\_\_\_  
 2) WELL OPERATOR: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 3) DESIGNATED AGENT: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 4) DRILLING CONTRACTOR: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 5) OIL & GAS INSPECTOR TO BE NOTIFIED: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 6) PROPOSED WELL WORK: Drill \_\_\_\_\_ / Redrill \_\_\_\_\_ / deeper \_\_\_\_\_ / Stimulate \_\_\_\_\_  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_  
 Other physical change in well (specify): \_\_\_\_\_  
 7) GEOLOGICAL TARGET FORMATION: \_\_\_\_\_  
 8) Estimated depth of completed well, feet: \_\_\_\_\_  
 9) Approximate true depths: Fresh, feet: \_\_\_\_\_; Salt, feet: \_\_\_\_\_  
 10) Approximate coal seam depths: \_\_\_\_\_  
 11) Is coal being mined in the area? Yes \_\_\_\_\_ No \_\_\_\_\_

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 MAR 2 1 1984

DEPT. OF MINES  
 OIL & GAS DIVISION

Casing or Tubing Type	Size	Grade	SPECIFICATIONS			FOOTAGE INTERVALS	CEMENT FILL-UP OR SACKS (Cubic Feet)	PACKERS
			Weight per ft.	New	Used			
Conductor								
Fresh water								
Coal								
Intermediate								
Production								
Tubing								
Liners								

**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	"

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

**OTHER INSPECTIONS**

Reason: \_\_\_\_\_  
 Reason: \_\_\_\_\_

Fee	Casing	Plan	Agent	Bond
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NOTE: Keep one copy of this permit posted at the drilling location.  
 See the reverse side of the APPLICANT'S COPY for instructions to the well operator.  
 File \_\_\_\_\_

09/08/2023





IV-9  
(Rev 8-81)

DATE March 5, 1984

WELL NO. KFM #494

API NO. 47-035-1945

State of West Virginia

Department of Mines  
Oil and Gas Division

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 Woody Coffman 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: Mar 6 1984 (Date)

Wagner W. Hughes  
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Cross Drains (A)

Spacing 135', 60', 135', 250'

Page Ref. Manual 2:4

Structure Drainage Ditch (B)

Spacing Earthen

Page Ref. Manual 2:12

Structure Stream Crossing (C)

Spacing Stone or Culverts

Page Ref. Manual 2:7

Structure Top Diversion Ditch (1)

Material Earthen

Page Ref. Manual 2:12

Structure \_\_\_\_\_ (2)

Material \_\_\_\_\_

Page Ref. Manual OIL & GAS DIVISION

**DEPT. OF MINES**

Structure \_\_\_\_\_ (3)

Material \_\_\_\_\_

Page Ref. Manual \_\_\_\_\_

**RECEIVED**  
MAR 21 1984

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 4 Tons/acre  
or correct to pH \_\_\_\_\_

Lime Same as Area I Tons/acre  
or correct to pH \_\_\_\_\_

Fertilizer 14-14-14 600 lbs/acre  
(10-20-20 or equivalent)

Fertilizer \_\_\_\_\_ lbs/acre  
(10-20-20 or equivalent)

Mulch Hay 2 Tons/acre

Mulch \_\_\_\_\_ Tons/acre

Seed\* 81% Orchard Grass/15% Ry 16 lbs/acre

Seed\* \_\_\_\_\_ lbs/acre

Kentucky 31 Fescue 16 lbs/acre

\_\_\_\_\_ lbs/acre

Red Clover 8 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

09/08/2023

ADDRESS 116 Pfost Avenue

Ripley, WV 25271

PHONE NO. 372-2709

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

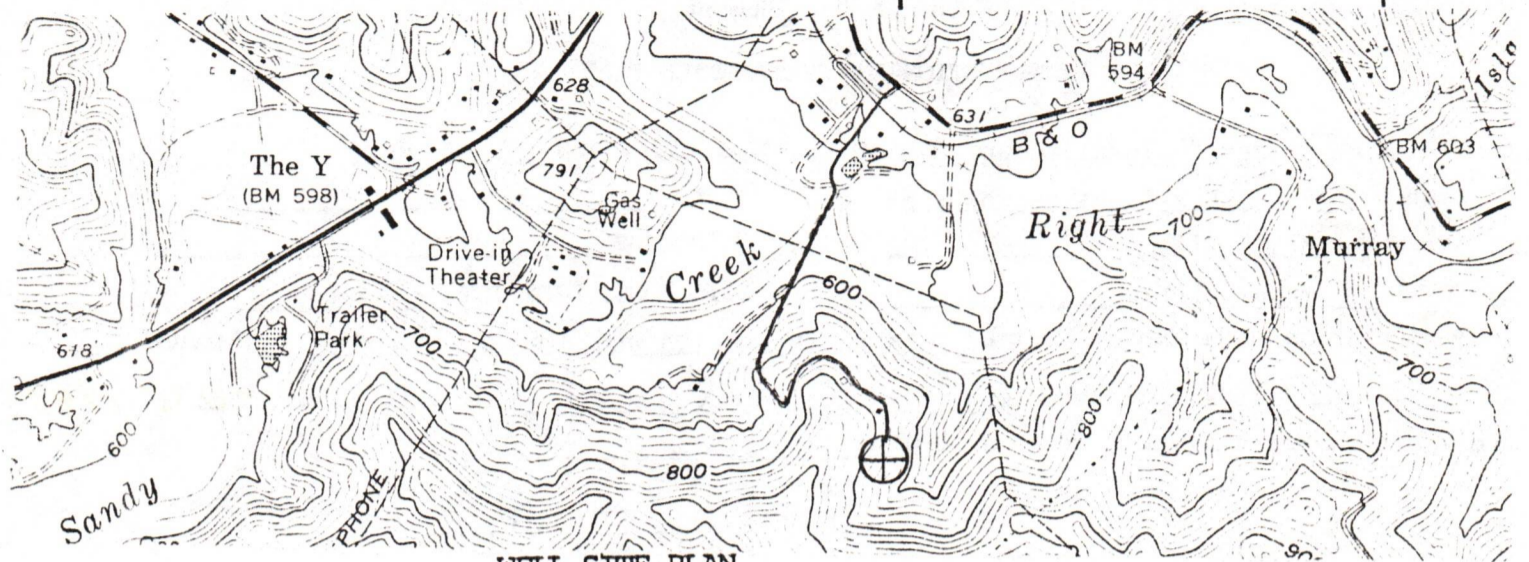


ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE SANDYVILLE

**LEGEND**

Well Site

Access Road

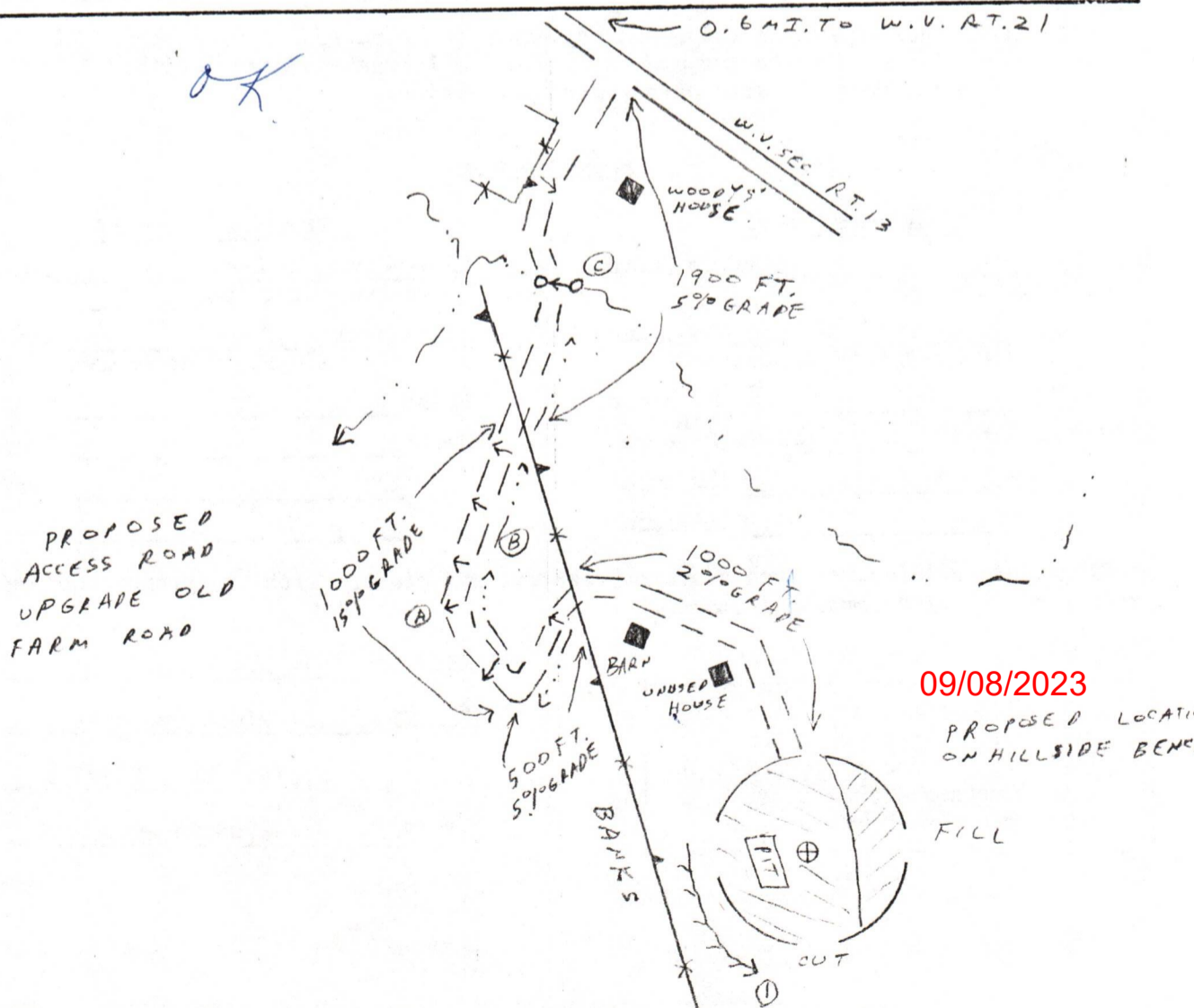


WELL SITE PLAN

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	Wet spot
Planned fence	Building
Stream	Drain pipe
Open ditch	Waterway





1) Date: March 12, 1984  
2) Operator's Well No. KEM #494  
3) API Well No. 47-035-1945  
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 Woodrow and Louise Coffman  
P. O. Box 127  
Sandyville, WV  
(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.

**RECEIVED**  
MAR 21 1984  
OIL & GAS DIVISION  
DEPT. OF MINES

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) - EXTRACTON 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 15 day of March, 1984.  
My commission expires 8/30, 1993.

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

WELL

OPERATOR Kaiser Exploration and Mining Company

By Ralph A. Pryce  
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.

I N F O R M A T I O N S U P P L I E D U N D E R C O D E § 22-4-11(d)

I N L I E U O F F I L I N G L E A S E ( S ) A N D O T H E R C O N T I N U I N G C O N T R A C T ( 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>
Woodrow Coffman et al	Kaiser Exploration and Mining Company	1/8 of prevailing field price	160/348



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) Plat showing the well location on Form IV-5, 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. KEM-494 located in RAVENSWOOD District, JACKSON County, West Virginia, upon the person or organization named--

Woodrow Coffman

--by delivering the same in Jackson County, State of West Va on the 16 day of MARCH, 1984 in the manner specified below.

[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 X / 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 / officer / director / attorney in fact named \_\_\_\_\_.

**RECEIVED**

MAR 21 1984

OIL & GAS DIVISION  
**DEPT. OF MINES**

Stephen W Kelly  
(Signature of person executing service)

Taken, subscribed and sworn before me this 19 day of March, 1984.  
My commission expires August 30, 1993.

Demese Carney  
Notary Public

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)



RECEIVED



IV-35 (Rev 8-81) NOV 17 1984

OIL & GAS DIVISION DEPT. OF MINES

State of West Virginia Department of Mines Oil and Gas Division

Date 01/04/85 Operator's Well No. KEM 494 Farm W. Coffman API No. 47 - 035 - 1945

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: 769' Watershed Right Fork of Sandy Creek District: Ravenswood County Jackson Quadrangle Sandyville

COMPANY Kaiser Exploration and Mining Co.

ADDRESS P. O. Box 8 Ravenswood, WV 26164

DESIGNATED AGENT R. A. Pryce

ADDRESS Same

SURFACE OWNER Woodrow Coffman

ADDRESS P. O. Box 127, Sandyville, WV

MINERAL RIGHTS OWNER Same

ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK Jerry

Tephabock ADDRESS Rt. 1 Box 101A Ripley, WV

PERMIT ISSUED

DRILLING COMMENCED 8/15/84

DRILLING COMPLETED 8/21/84

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16 Cond., 13-10 3/4, 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION Devonian Brown Shale Depth 4322 feet

Depth of completed well 4322 feet Rotary x / Cable Tools

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

Coal seam depths: N/A Is coal being mined in the area? NO

Drilled on fluid not known.

OPEN FLOW DATA

\*Producing formation Devonian Brown Shale Pay zone depth 4065 feet

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

Final open flow 1200 commingled Mcf/d Final open flow -- Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 975 psig (surface measurement) after 120 hours shut in

(If applicable due to multiple completion--)

09/08/2023

\*Second producing formation Berea Sandstone Pay zone depth 2443 feet

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

Final open flow 1200 commingled Mcf/d Oil: Final open flow -- Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 975 psig (surface measurement) after 120 hours shut in

\*Commingled pay zones.

(Continue on reverse side)

JACK-1945



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

- 8/23/84 NL McCullough perf Shale with 18 holes from 3900' to 4229' (.39" dia).
- 8/24/84 BJ Hughes foam frac Shale. Break @ 1980 psig. Treated at 2600 psig. Used 775 mscf N<sub>2</sub>; 60,000 lbs of 20/40 sand; 258 bbls sand laden fluid; 325 bbls total fluid; ISIP: 1640 psig; 5 min SIP: 1280 psig.
- 8/24/84 NL McCullough perf Berea 20 holes (.39" dia) from 2440' to 2446'.
- 8/24/84 BJ Hughes foam frac Berea. Break at 2860 psig; treated at 2100 psig; used 680 mscf N<sub>2</sub>; 60,000 lbs of 20/40 sand; 219 bbls sand laden fluid; 289 bbls total fluid; ISIP: 1530 psig; 5 min SIP: 1410 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
Shale and Siltstone			0	612	
Sand			612	655	
Shale			655	868	
Sand and Shale			868	1100	
Shale			1100	1310	
Dunkard Sands			1310	1628	
Shale			1628	1720	
Salt Sands			1720	1859	
Big Lime (Greenbrier)			1859	1960	
Shale			1960	1980	
Big Injun Sand			1980	2038	
Shale			2038	2410	
Coffee Shale (Sunbury)			2410	2436	
Berea Sandstone			2436	2442	S/GAS
Shale			2442	3660	S/GAS @ 3620'
Brown Shale			3660	4236	
Shale			4236	4327	
TD:			4327		

(Attach separate sheets as necessary)

Kaiser Exploration and Mining Company  
Well Operator

By:

*Ronald Quist*

09/08/2023

Date: 01/04/85

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

AUG 22 1984

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 035 1945

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 494</u>	13			
District _____ County <u>Jackson</u>	10			Size of _____
Drilling commenced <u>8 15 84</u>	8 1/4			Depth set _____
Drilling completed <u>8 21 84</u> Total depth <u>4913</u>	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 #6 Ferrabee

Remarks:

8 16 84 Ran 17 jts 103/4 csg total 722 KB cement 300 sks class a 3% cacl 1/4 lb per sk flocele plug down 7:00 am.

8 18 84 Ran 53 jts 7" csg set 2238 kb hughes cement 150 sks 50/50 poz 10% salt plus 100 sks neat 3% cacl 1/4 lb per sk flocele.

8 21 84 TD 61/4 hole 4319 5:15 am . now running log 11:00am. ypung wire line.

8 21 84  
DATE

*George Ferrabee*  
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

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_

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

DATE

08/08/2023



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

RECEIVED

AUG 29 1984

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 035 1945

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 494</u>	13			Size of _____
District _____ County <u>Jackson</u>	10			
Drilling commenced _____	8 1/4			Depth set _____
Drilling completed <u>8 21 84</u> Total depth <u>4319</u>	6 5/8			
Date shot _____ Depth of shot _____	5 3/16			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	3			
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 Hurt Rig 6

Remarks:

8 21 84 Ran 108 jts 4 1/2 4 baskets set at 2357, 2597, 2837, 3077. 1 baffle at 2570 cement hughes 200 sks 50/50 poz 10% salt 12.5 lb per sk gilsonite  
8 22 84 moved to kem 3

8 22 84  
DATE

Jerry R. T... 09/08/2023



Form 26  
2/16/82

RECEIVED  
MAY 10 1982  
DEPT. OF MINES

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	

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_

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

09/08/2023





**RECEIVED**  
NOV 20 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  
P.O. Box 8  
Ravenswood, WV 26164

PERMIT NO 035 1945  
FARM & WELL NO Kem 494  
DIST. & COUNTY Jackson

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	X	
25.04	Prepared before Drilling to Prevent Waste	X	
25.03	High-Pressure Drilling		
16.01	Required Permits at Wellsite		
15.03	Adequate Fresh Water Casing	X	
15.02	Adequate Coal Casing		
15.01	Adequate Production Casing	X	
15.04	Adequate Cement Strength	X	
15.05	Cement Type	X	
23.02	Maintained Access 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 *James Tephelord*  
DATE 11 14 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. H. ...*

Administrator-Oil & Gas Division

March 12, 1985

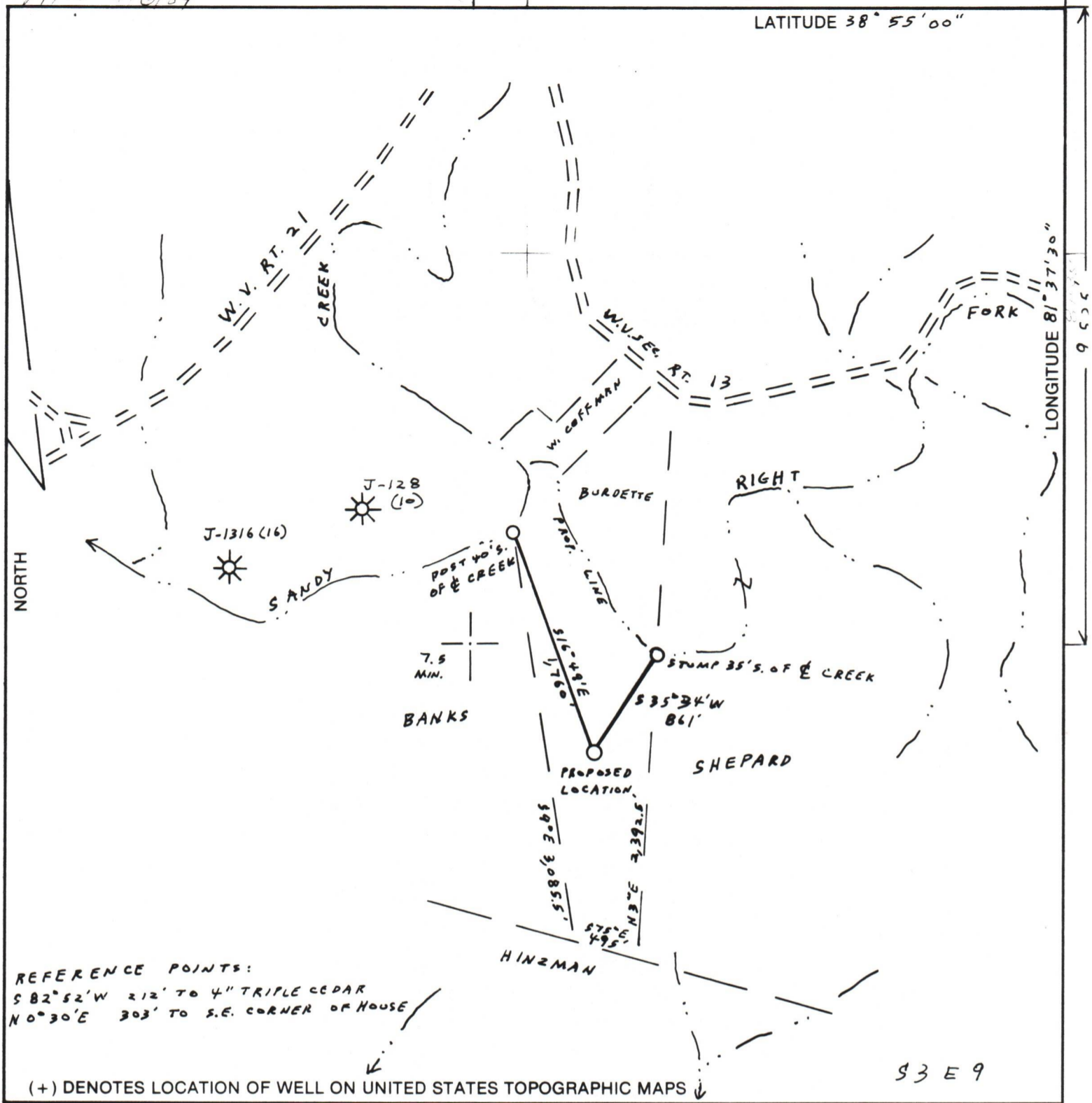
DATE



7/16/84

8,825'

LATITUDE 38° 55' 00"



REFERENCE POINTS:  
S 82° 52' W 212' TO 4" TRIPLE CEDAR  
N 0° 30' E 303' TO S.E. CORNER OF HOUSE

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

FILE NO. 7-26  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 1,000'  
MINIMUM DEGREE OF ACCURACY 1:200  
PROVEN SOURCE OF ELEVATION ROAD INTER. ELEV. = 631, 2,650' N. 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 W. Wood  
R.P.E. \_\_\_\_\_ L.L.S. 664

PLACE SEAL HERE

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



DATE MARCH 7, 1984  
OPERATOR'S WELL NO. KEM 494  
API WELL NO.

47-035-1945  
STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
LOCATION: ELEVATION 769 WATERSHED RIGHT FORK OF SANDY CREEK  
DISTRICT RAVENSWOOD COUNTY JACKSON  
QUADRANGLE SANDYVILLE

SURFACE OWNER WOODROW AND LOUISE COFFMAN ACREAGE 50  
OIL & GAS ROYALTY OWNER WOODROW COFFMAN, ET AL. LEASE ACREAGE 50 09/08/2023  
LEASE NO. 91-03-1202

PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE X 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 4320'  
WELL OPERATOR KAISER EXPLORATION & MINING CO. DESIGNATED AGENT KAISER EXPLOR. & MINING CO.  
ADDRESS P.O. BOX B, RAVENSWOOD, W.V. 26164 ADDRESS P.O. BOX B, RAVENSWOOD, W.V. 26164

COUNTY NAME JACKSON  
PERMIT 1945