



1) Date: August 15, 19 83  
 2) Operator's Well No. KEM #343 Revised  
 3) API Well No. 47 035 1895  
 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: 961' Watershed: Grasslick Run  
 District: Ripley County: Jackson Quadrangle: Ripley  
 6) WELL OPERATOR Kaiser Exploration and Mining Co. 7) DESIGNATED AGENT R. A. Pryce  
 Address P. O. Box 8 Address P. O. Box 8  
Ravenswood, WV 26164 Ravenswood, WV 26164  
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Homer Dougherty Name Clint Hurt & Associates  
 Address Box 3A, Linden Rt. Address P. O. Box 388  
Looneyville, WV 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, 5100' feet  
 13) Approximate trata depths: Fresh, 461 feet; salt, \_\_\_\_\_ feet.  
 14) Approximate coal seam depths: \_\_\_\_\_ Is coal being mined in the area? Yes  No

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 AUG 16 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		
Conductor								Kinds
Fresh water	10 3/4"			X		500 250	500 250	150 sks class a to surface
Coal								Sizes
Intermediate	7"			X		2420	2420	65 sks 50/50 pozmix
Production	4 1/2"			X		5100	5100	100 sks class A 225 sks 50/50 pozmix
Tubing								Depth set
Liners								Perforations: Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-035-1895 Date September 13 19 83

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 September 13, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent: <input checked="" type="checkbox"/>	Plat:	Casing:	Fee: <u>964</u> <u>703</u>
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BLANKET BOND

Administrator, Office of Oil and Gas

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





OFFICE USE ONLY

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

1) Date: August 15, 1983  
 2) Operator's Well No.: 935  
 3) API Well No.: 935

4) WELL OPERATOR: Kaiser Exploration and Mining Co. Designated Agent: R. A. Fryce  
 Address: P. O. Box 2, Ravenswood, WV 26041

5) LOCATION: District: Ripley, County: Jackson, Quadrangle: Ripley  
 Elevation: 931, Wellhead: Grasslick Run  
 Production: P. Oil Gas, Underground storage: X, Deep: X, Shallow: X

6) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: Homer Dougherty, Address: Box 38, Linden Rd., Loopeyville, WV  
 Name: Clint Hunt & Associates, Address: P. O. Box 388, Ripley, WV

7) DRILLING CONTRACTOR: Name: Etkyew, Address: P. O. Box 388, Ripley, WV

8) PROPOSED WELL WORK: Drill: X, Drill: X, Depth: \_\_\_\_\_  
 Plug off old formation: \_\_\_\_\_, Perforate new formation: \_\_\_\_\_  
 Other physical change in well (specify): \_\_\_\_\_

9) GEOLOGICAL TARBORFORMATION: Devonian Brown Shale  
 Estimated depth of completed well: \_\_\_\_\_ feet  
 Approximate true depths: Fresh: \_\_\_\_\_ feet, Salt: \_\_\_\_\_ feet  
 Approximate coal seam depths: \_\_\_\_\_ feet (is coal being mined in the area? Yes)

10) CASING AND TUBING PROGRAM: \_\_\_\_\_

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OIL & GAS DIVISION  
DEPT. OF MINES  
AUG 16 1983

Casing or Tubing Type	Casing or Tubing Size	Casing or Tubing Weight (per ft)	Casing or Tubing Length	FOOTAGE INTERVALS		Cement Plug	Remarks
				Start	End		
Production	4 1/2"	27.00	2700	2700	2700		100-sec. class
Intermediate	7"	27.50	2750	2750	2750		65-sec. class
Conductor	10 3/4"	30.75	3075	3075	3075		50-sec. class

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: \_\_\_\_\_

Bond: \_\_\_\_\_  
 Agent: \_\_\_\_\_  
 Seal: \_\_\_\_\_  
 Title: \_\_\_\_\_

LANNET BOND

09/08/2023





IV-9  
(Rev 8-81)

DATE August 12, 1983

WELL NO. KEM #343 Revised

State of West Virginia

API NO. 47-035-1895

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 Janet Casto

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: Aug 13 1983

(Date)

Wayne H. Hughes  
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Drainage Ditch

(A)

Structure None required (1)

Spacing Earthen

Material \_\_\_\_\_

Page Ref. Manual 2:12

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

Structure \_\_\_\_\_

(B)

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

Spacing \_\_\_\_\_

Material \_\_\_\_\_

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

Page Ref. Manual AUG 16 1983

Structure \_\_\_\_\_

(C)

Structure OIL & GAS DIVISION (3)

Spacing \_\_\_\_\_

Material DEPT. OF MINES

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

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 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 Pfostr Avenue

Ripley, WV 25271

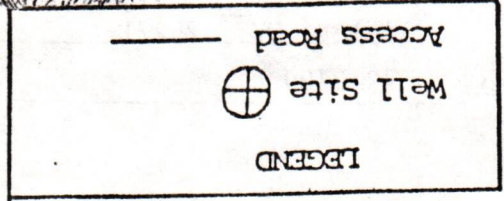
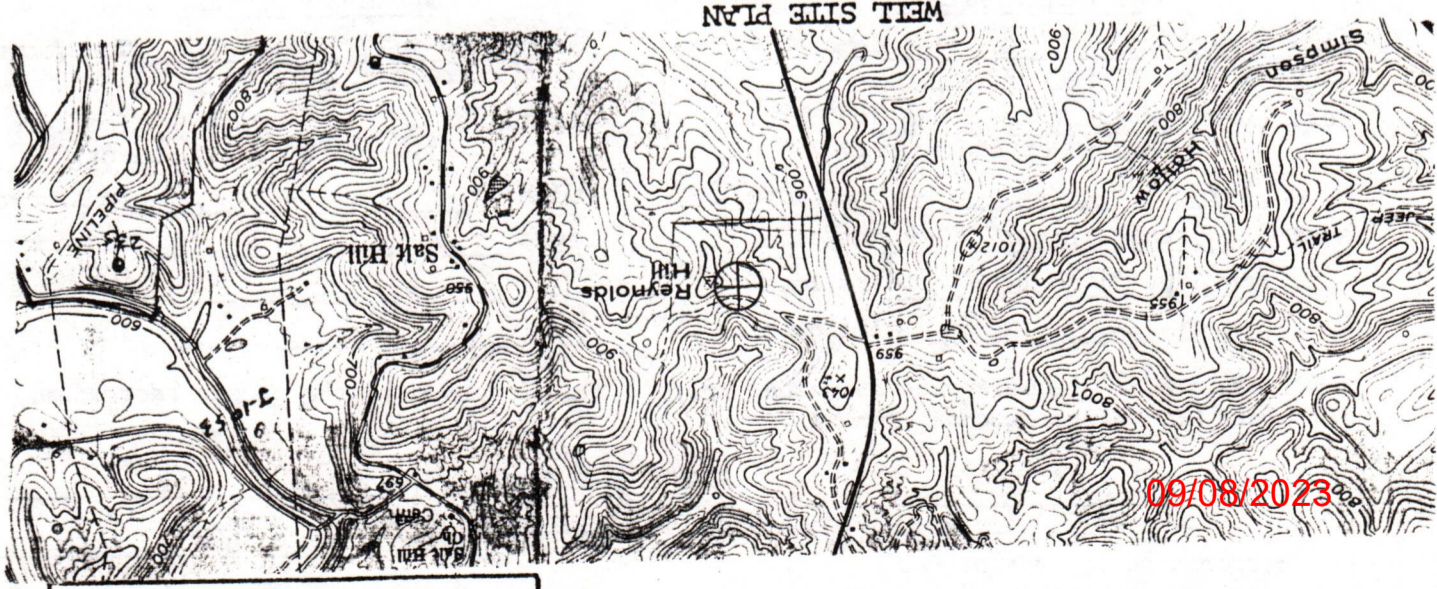
PHONE NO. 372-2709

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

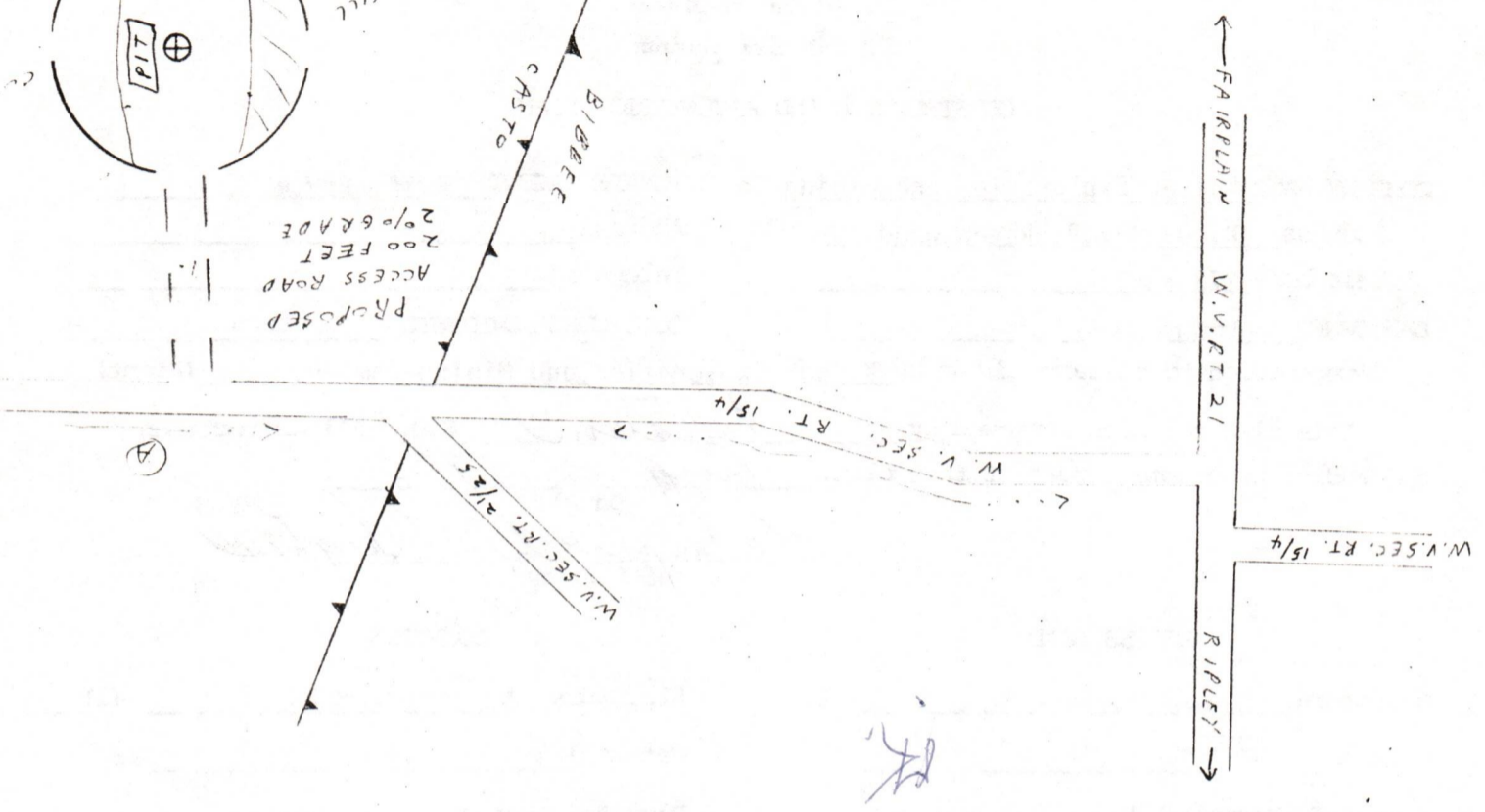
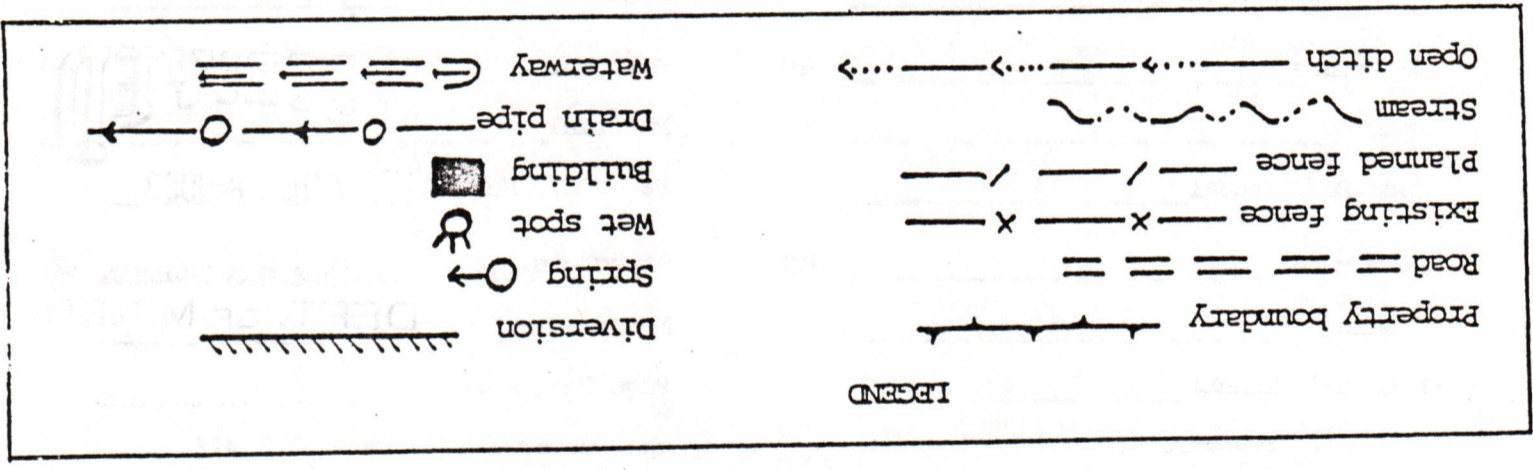


ATTACH OR PHOTO COPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE RIPLEY

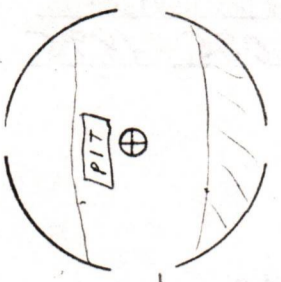
09/08/2023



Sketch to include well location, existing access road, 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.



PROPOSED LOCATION





1) Date: August 15, 19 83  
2) Operator's Well No. KEM #343 Revised  
3) API Well No. 47 035 1852  
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

5(i) COAL OPERATOR None

Address \_\_\_\_\_

(i) Name Janet Casto et al  
Address Ripley, WV 25271

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

(ii) Name \_\_\_\_\_  
Address \_\_\_\_\_

Name None

Address \_\_\_\_\_

(iii) Name \_\_\_\_\_  
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.

**RECEIVED**

AUG 16 1983

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

OIL & GAS DIVISION  
DEPT. OF MINES

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 August, 1983.  
My commission expires 12/01, 1985.

With Ann Holbert  
Notary Public, Jackson County,  
State of West Virginia

WELL

OPERATOR Kaiser Exploration and Mining Company

By [Signature]  
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.

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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

Kaiser Exploration and Mining Co. Keith Jones

1/8 of prevailing 157/537  
field price



AFFIDAVIT OF PERSONAL SERVICE ON SURFACE OWNER

STATE OF WEST VIRGINIA,  
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)  / Form IV-3(A)      / Form IV-4(A)      /
- (2) Application on Form IV-2(B)  / Form IV-3(B)      / Form IV-4(B)      /
- (3) Plat 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. 343 located in Ripley District, Jackson County, West Virginia, upon the person or organization named--

Janet Aultz Casto

--by delivering the same in Jackson County, State of West Virginia on the 16th day of August, 1983 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      / her      / presence.
- Handing it to a member of his or her family above the age of 16 years named KEN CASTO HER HUSBAND 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  
AUG 16 1983

OIL & GAS DIVISION  
DEPT. OF MINES

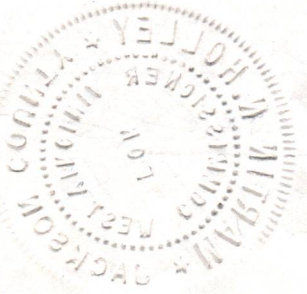
Mark D. Lynch  
(Signature of person executing service)

Taken, subscribed and sworn before me this 16th day of August, 1983.  
My commission expires May 27, 1991.

Mark D. Lynch  
Notary Public  
Commissioned for the State of West Virginia  
09/08/2023

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)





09/08/2023



IV-35  
(Rev 8-81)

**RECEIVED**

JAN 26 1984



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

State of West Virginia

Department of Mines  
Oil and Gas Division

Date 11/11/83  
Operator's  
Well No. KEM-343  
Farm Keith Jones  
API No. 47 - 035 - 1895

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: 961' Watershed Grasslick Run  
District: Ripley County Jackson Quadrangle Ripley

COMPANY KEMGAS

ADDRESS P. O. Box 8, Ravenswood WV 26164

DESIGNATED AGENT Same

ADDRESS Same

SURFACE OWNER Janet Casto et al

ADDRESS Ripley WV 25271

MINERAL RIGHTS OWNER Keith Jones

ADDRESS Ripley, WV 25271

OIL AND GAS INSPECTOR FOR THIS WORK Homer

Dougherty ADDRESS Linden Rt., Box 3A, Looneyville, WV

PERMIT ISSUED 9/13/83

DRILLING COMMENCED 9/21/83

DRILLING COMPLETED 9/26/83

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.			
10 3/4" 13*10*		505'	300 sks class A, 3% cacl. 1/2#/sk flocele
9 5/8			
8 5/8			
7		2397'	1/4/# sks 50/50 pozmix 100 sk class A
5 1/2			
4 1/2		4499'	2/5 sks 50/50 pozmix
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Brown Shale Depth 4524' feet

Depth of completed well 4524' feet Rotary x / Cable Tools    

Water strata depth: Fresh -- feet; Salt     feet

Coal seam depths: -- Is coal being mined in the area? No  
Drilled with fluid - not known.

OPEN FLOW DATA

Producing formation Brown Shale Pay zone depth 4419' - 3276' feet

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

Final open flow combined Mcf/d Final open flow     Bbl/d

Combined Time of open flow <sup>\*see below</sup> between initial and final tests 4 hours

Static rock pressure 1000 psig (surface measurement) after     hours shut in  
(If applicable due to multiple completion--)

Second producing formation Berea Sandstone Pay zone depth 2637' - 2647' feet

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

Final open flow \*see below Mcf/d Oil: Final open flow     Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1000 psig (surface measurement) after     hours shut in

\*combined 350 MCF

(Continue on reverse side)

JACK B95



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

1st Stage: Brown Shale perforated from 4229'-4419'. Foam frac: breakdown at 1625 psig. Treated with 75% quality foam at 2200 psig, used 60,000# 20/40 sand in 4-10 ppg concentrations. Total N<sub>2</sub>=700 MSCF, total sand laden fluid=204 bbls; total fluid=310 bbls. ISIP=2050 psig, 5 min SIP=1200 psig.

2nd Stage: Grey shale perforated from 3336'-3276'. Foam frac: breakdown at 1650 psig. Treated with 75% quality foam at 2175 psig. Used 60,000# 20/40 sand in 4-10 ppg concentrations. Total N<sub>2</sub>=740 MSCF, total sand laden fluid=204 bbls, total fluid=310 bbls. ISIP=2300 psig; 5 min SIP=1250 psig.

3rd Stage: Berea Sandstone perforated from 2637'-2647'. Foam frac: breakdown at 2400 psig. Treated with 75% quality foam at 2130 psig. Used 60,000# 20/40 sand in 2-10 ppg concentrations. Total N<sub>2</sub>=410 MSCF; total sand laden fluid=204 bbls; total fluid=360 bbls. ISIP=1800 psig; 5 min SIP=1350 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
Top hole not logged; formations listed below are from driller's log:					
Sand and Shale			0	2022	
Big Lime (Greenbrier)			2022	2152	
Shale			2178	2272	
Big Injun			2272	2400	
Log Depths:					
Shale			2400	2620	
Coffee Shale			2620	2642	
Berea Sand			2642	2653	s/g
Shale			2653	3888	s/g at 3340
Brown Shale			3888	4432	s/g at 4015, 4290, 4428
Shale			4432	4524	
Total Depth			4524		

(Attach separate sheets as necessary)

KAISER EXPLORATION AND MINING COMPANY

Well Operator

By: Paul A. P.

09/08/2023

Date: November 15, 1983

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  
SEP 23 1983

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 035-1895-Rev

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company Kaiser Exploration + Mining  
 Address Ravenswood, W.V.A.  
 Farm Keith Jones  
 Well No. Kern 343 Revised  
 District Ripley County Jackson  
 Drilling commenced 9/20/83  
 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 <sup>3/4</sup>		504	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 16 3/4 SIZE 504 No. FT. 9/20/83 Date  
 NAME OF SERVICE COMPANY Halliburton  
 COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Drillers' Names G. Starcher Pusher John Archer Jr.

Remarks: Clinx Hurt Rig #4  
9/20/83 Moved on + started Drilling. Ran 504 Ft. of  
10 3/4" Surface pipe + cemented with 300 sacks Class A.  
1/4 lb Flocele 3% C.C. by Halliburton Plug Down 12:00 midnigh  
9/21/83 Drilling cement out of Bottom of Surface pipe  
on fluid.

9/21/83  
DATE

Homer H. Dougherty  
09/08/2023  
DISTRICT WELL INSPECTOR



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: \_\_\_\_\_

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

09/08/2023  
DISTRICT WELL INSPECTOR



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

RECEIVED  
SEP 26 1983

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 035-1895

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company Kaiser Exp. & Mining Co.

Address Ravenswood, W.Va.

Farm Keith Jones

Well No. Kem 343 Rev.

District Ripley County Jackson

Drilling commenced 9/20/83

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 G. Stancher Pusher John Archen Jr.

Remarks: Clint Hunt Rig # 4  
9/23/83 2304 ft Deep Drilling on Fluid with 9 5/8" Bit,  
going to 2430 for 7" casing point.

9/23/83  
DATE

Homer H. Dougherty 09/08/2023  
DISTRICT WELL INSPECTOR



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

09/08/2023  
DISTRICT WELL INSPECTOR



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

RECEIVED

OCT - 4 1983

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 035-1895-Rev.

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company Kaiser Exp. + Mining Co.  
 Address Ravenswood, W.V.A.  
 Farm Keith Jones  
 Well No. Kem 343  
 District Ripley County Jackson  
 Drilling commenced 9/20/83  
 Drilling completed 9/26/83 Total depth 4500  
 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			Kind of Packer
16			
13			
10			Size of
8 1/4			
7		2397	Depth set
5 3/16			
4 1/2		4499	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 7 SIZE 2397 No. FT. 9/23/83 Date  
 NAME OF SERVICE COMPANY Halliburton  
 COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Drillers' Names G. Starcher Pushen John Archer Jr.  
Clint Hunt Rig #4

Remarks: 9/23/83 Ran 2397 Ft. of 7" pipe and cemented with 175 Sacks of 50/50 poz mix and 100 Sacks Class A, Plug Down 11:45 P.M. by Halliburton  
9/26/83 T.D. of Hole 4500 Ft. Ran 4499 Ft. of 4 1/2" pipe and cemented with 200 Sacks of 50/50 poz mix 12 1/2 lb. Gilsonite 10% Salt. Plug Down 3:30 P.M. by Halliburton  
9/30/83

DATE

Homes H. Dougherty 09/08/2023  
 DISTRICT WELL INSPECTOR



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

09/08/2023  
DISTRICT WELL INSPECTOR



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

FINAL INSPECTION REQUEST  
INSPECTOR'S COMPLIANCE REPORT

**RECEIVED**  
 DEC 13 1983  
 OIL & GAS DIVISION  
 DEPT. OF MINES

Permit No. 035 1895 County Jackson  
 Company Kaiser Exploration Farm \_\_\_\_\_  
 Inspector Jmt. Well No. Kern 343  
 Date 12 9 83

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	_____	_____
23.02	Maintained Access Roads	_____	_____
25.01	Necessary Equipment to prevent Waste	_____	_____
23.03	Reclaimed Drilling Site	✓	_____
23.04	Reclaimed Drilling Pits	✓	_____
23.05	No surface or underground Pollution	✓	_____
7.03	Identification Markings	✓	_____

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

I have inspected the above well and ~~(HAVE)~~ (HAVE NOT) found it to be in compliance with all of the rules and regulations of the Office of Oil and Gas Department of Mines of the State of West Virginia.

SIGNED: Jerry Tephel  
 DATE: 12 9 83

09/08/2023





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

WALTER N. MILLER  
 DIRECTOR

THEODORE M. STREIT  
 ADMINISTRATOR

March 15, 1984

Kaiser Exploration & Mining Company  
 P. O. Box 8  
 Ravenswood, W. Va. 26164

Gentlemen:

The required records and reports have been received in this office and the District Inspectors have submitted FINAL INSPECTIONS for the following wells listed below:

<u>PERMIT NUMBER</u>	<u>FARM AND WELL NUMBER</u>	<u>DISTRICT</u>
JAC-1560-REN.	Grant Donohew, KEM #67	Ripley
JAC-1649-PP	Dewey O. Lucas, KEM #151	Ripley
JAC-1779-REN.	Paul Boggess, KEM #60	Ripley
JAC-1785	Grant Donohew, KEM #289	Ripley
JAC-1786	Grant Donohew, KEM #290	Ripley
JAC-1787	Grant Donohew, KEM #291	Ripley
JAC-1790	Grant Donohew, KEM #295	Ripley
JAC-1895	Janet Casto, et al, / Keith Jones KEM #343	Ripley

In accordance with Chapter 22, Article 4, Section 2, the above captioned wells will remain under bond coverage for "life of wells." Reclamation requirements have been approved.

Very truly yours,

Theodore M. Streit, Administrator  
 Dept. Mines-Office of Oil & Gas

TMS/r1

09/08/2023



9-13-83

8,450

LATITUDE 38° 47' 30"

LONGITUDE 81° 40' 00"

J-1736  
KEM 239  
(25)

M. HALL

POST

7.5  
MIN

W.V. RT. 21/25

R. BIBBEE

W.V. RT. 21

W.V. RT. 15/4

W.V. RT. 21/25

N 8° 43' E  
1226'

S 51° E 990'

2298'

N 28° 27' E

PROPOSED  
LOCATION

N 48° 21' E 1217'

G. DONOHEW

J-1616

KEM 110 (25)

J-1028  
CNC

NORTH

STONE

WEST 1650'

WINTER

G. DONOHEW  
J-1788  
KEM 293 (25)

J-1791  
KEM 294 (25)

J-1027(08)

J-1014(08)

S11 E 7

FILE NO. 6-45 REV. NO. 1  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 500'  
MINIMUM DEGREE OF  
ACCURACY 1:200  
PROVEN SOURCE OF  
ELEVATION HIGH POINT ELEV.  
1043', 1350 FEET N.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 REGU-  
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-  
MENT 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 JULY 22, 19 83  
OPERATOR'S WELL NO. KEM 343 REV. MA/  
API WELL NO. \_\_\_\_\_

47 - 035 - 1895  
STATE COUNTY PERMIT  
(FORMERLY 1852)

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
LOCATION: ELEVATION 961' WATER SHED GRASSLICK RUN  
DISTRICT RIPLEY COUNTY JACKSON  
QUADRANGLE RIPLEY

09/08/2023

SURFACE OWNER JANET CASTO, ET AL. ACREAGE 54.77  
OIL & GAS ROYALTY OWNER KEITH JONES LEASE ACREAGE 55.07  
LEASE NO. 83-09-115

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 DEVONIAN BROWN SHALE ESTIMATED DEPTH \_\_\_\_\_  
WELL OPERATOR KAISER EXPLORATION & MINING CO. DESIGNATED AGENT KAISER EXPLORATION AND MINING CO.  
ADDRESS P.O. BOX 8 ADDRESS P.O. BOX 8

FORM IV-6 (8-78)