



1) Date: January 30, 19 84
 2) Operator's Well No. KEM #162
 3) API Well No. 47 - 035 - 1695-REN
 State County Permit

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

RENEW

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas /
 B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 1013 Watershed: Grasslick Creek
 District: Ripley County: Jackson Quadrangle: Kenna
- 6) WELL OPERATOR Kaiser Exploration & Mining Co. 7) DESIGNATED AGENT R. A. Pryce
 Address P. O. Box 8 Address Same
Ravenswood, WV 26164
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED: Name Homer Dougherty 9) DRILLING CONTRACTOR: Name Clint Hurt
 Address Linden Rt. Box 3A Address P. O. Box 388
Cooneyville, WV RIPLEY, WV 25271 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, 5221 feet
 13) Approximate strata 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
 FEB 16 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		500'250	500'250	150 sks class A to surface	
Coal								65 sks 50/50 pozmix	Sizes
Intermediate	7"			X		2397	2397	100 sks class A	
Production	4 1/2"			X		5221	5221	225 sks 50/50 pozmix	
Tubing									Perforations:
Liners									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-035-1695-REN Date March 27, 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 March 27, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: BLANKET	Agent: <u>lo</u>	Plat: <u>MTU</u>	Casing: <u>MTU</u>	Fee: <u>966-</u> <u>235</u>
-------------------------	---------------------	---------------------	-----------------------	-----------------------------------

[Signature]
 Administrator, Office of Oil and Gas

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

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



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

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) WELL LOCATION: B (If "Gas", Production, Underground storage, Shallow, Deep) _____
 Elevation: _____
 District: _____ County: _____
 2) WELL OPERATOR: _____
 Address: _____
 3) DESIGNATED AGENT: _____
 Address: _____
 4) DRILLING CONTRACTOR: _____
 Name: _____
 Address: _____
 5) PROPOSED WELL WORK: Drill _____ deeper _____
 Plug old formation _____
 Perform new formation _____
 Other physical change in well (specify): _____
 6) GEOLOGICAL TARGET FORMATION: _____
 7) Estimated depth of completed well, feet: _____
 8) Approximate true depth, feet: _____
 9) Approximate coal seam depth, feet: _____
 10) Is coal being mined in the area? Yes _____ No _____

RECEIVED
 FEB 18 1984

DEPT. OF MINES
 OIL & GAS DIVISION

Casing or Tubing Type	Size	Cmbs	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT FILLUP OR SACKS (Cubic feet)	PACKERS
			Weight per ft.	New / Used	For drilling	Left in well		
Conductor								
Fresh water								
Coal								
Intermediate								
Production								
Tubing								
Links								

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: BLANKET	Agent: _____	Plant: _____	Casing: _____	Fee: _____
---------------	--------------	--------------	---------------	------------

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.

09/08/2023

1) Date: January 30, 1984
2) Operator's Well No. KEM #162
3) API Well No. 47 - 035 - 1695-Reg
State County Permit

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

RENEW

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

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

(i) Name Edra Simmons Summers

Address Rt. 3
Ripley, WV 25271

(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.

RECEIVED
FEB 16 1984
OIL & GAS DIVISION
DEPT. OF MINES

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 6 day of February, 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>
Edra Simmons Summers	Kaiser Exploration and Mining Company	1/8 of prevailing field price	156/212



DATE April 14, 1982

WELL NO. KFM #162

State of West Virginia

API NO. 47-035-1695 Ren

Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Kaiser Exploration and Mining Co. DESIGNATED AGENT Same

Address P. O. Box 8, Ravenswood, WV

Address _____

Telephone 273-5371

Telephone _____

MANAGER Edra Summers

SOIL CONS. DISTRICT Western

Revegetation to be carried out by Kaiser Exploration and Mining Company (Agent)

This plan has been reviewed by [Signature] SCD. All corrections and additions become a part of this plan: Apr 19 1982 (Date)

[Signature]
(SCD Agent)

Called 4/27/82 Original chm.

ACCESS ROAD

LOCATION

Structure Culvert (A)

Structure _____ (1)

Spacing 16" diameter

Material _____ FEB 16 1984

Page Ref. Manual 2:7

Page Ref. Manual _____ OIL & GAS DIVISION

DEPT. OF MINES

Structure Road Ditch (B)

Structure _____ (2)

Spacing _____

Material _____ RECEIVED

Page Ref. Manual 2:12

Page Ref. Manual _____

APR 22 1982

Structure Cross Drain (C)

Structure _____ (3)

Spacing 60', 80'

Material _____ OIL AND GAS DIVISION WV DEPARTMENT OF MINES

Page Ref. Manual 2:1

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% Ryegrass 16 lbs/acre

Seed* _____ lbs/acre

Kentucky 31 Fescue 16 lbs/acre

Red Clover 8 lbs/acre

_____ lbs/acre

_____ lbs/acre

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

03/08/2023

PLAN PREPARED BY Vincent W. Wood

ADDRESS 116 Post 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.

RECEIVED
FEB 10 1964
OIL & GAS DIVISION
DEPT. OF MINES

09/08/2023

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-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. KEM 162 located in Ripley District, Jackson County, West Virginia, upon the person or organization named--

Edra S. Summers

--by delivering the same in Jackson County, State of W.Va. on the 14 day of Feb, 1984 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

Handing it to him / her X / 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 / officer / director / named .

RECEIVED
FEB 16 1984

OIL & GAS DIVISION
DEPT. OF MINES

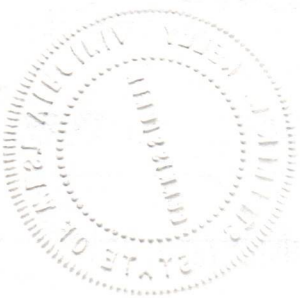
[Signature]
(Signature of person executing service)

Taken, subscribed and sworn before me this 15 day of Feb, 1984.
My commission expires Oct 28, 1993

[Signature]
Notary Public

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)

09/08/2023



RECEIVED
1987 6 10 10
OIL & GAS DIVISION
DEPT. OF MINES

09/08/2023



1) Date: January 20, 1984
 2) Operator's Well No. KEW #100
 3) API Well No. 47 State WV 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: 1013 Watershed: Grasslick Creek
 District: Ripley County: Jackson Quadrangle:
- 6) WELL OPERATOR Kaiser Exploration & Mining Co. 7) DESIGNATED AGENT P. A. Bryce
 Address P. O. Box 8 Address
Ravenswood, WV 26164
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Homer Dougherty
 Address Linden Rt. Box 3A
Looneyville, WV
- 9) DRILLING CONTRACTOR: Name Clint Hunt
 Address P. O. Box 3
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 OIL & GAS DIVISION
 12) Estimated depth of completed well, 5221 feet DEPT. OF MINES
 13) Approximate strata depths: Fresh, feet; salt, feet.
 14) Approximate coal seam depths: Is coal being mined in the area? Yes / No

RECEIVED
 FEB 16 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		Kinds	
Conductor										
Fresh water	10 3/4"			X		250	250	150 sks class		A to surface
Coal								55 sks 50/100		Sizes
Intermediate	7"			X		2397	2397	100 sks class		Depth set ix
Production	4 1/2"			X		5221	5221	225 sks 50/100		
Tubing										Perforations:
Liners										Top Bottom

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)

(For execution by natural persons)

NAME: _____
 By _____
 Its _____ Date _____

Edra S. Summers Date: 2-14-84
 (Signature)

 (Signature)



Faint text at the top right of the page.

Faint text in the upper middle section of the page.

RECEIVED

FEB 18 1934

DEPT. OF MINES
OIL & GAS DIVISION

Main body of faint, illegible text, possibly a letter or report.

Table with multiple columns and rows, containing faint data or text.

Robert L. ...



IV-35
(Rev 8-81)

Date November 16, 1984
Operator's
Well No. KEM #162
Farm Simmons Summers
API No. 47 - 035 - 1695 R

State of West Virginia
Department of Mines
Oil and Gas Division

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

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

LOCATION: Elevation: 1013' Watershed Grasslick Creek
District: Ripley County Jackson Quadrangle Kenna

COMPANY Kaiser Exploration and Mining Company

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

DESIGNATED AGENT R. A. Pryce

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

SURFACE OWNER Edra Simmons Summers

ADDRESS Rt. 3, Ripley, WV 25271

MINERAL RIGHTS OWNER Same

ADDRESS _____

OIL AND GAS INSPECTOR FOR THIS WORK Jerry

Tephabock ADDRESS Rt. 1, Box 101A, Ripley, WV

PERMIT ISSUED 3/27/84

DRILLING COMMENCED 10/10/84

DRILLING COMPLETED 10/16/84

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" X 13.75"	837	837	375 sks class
9 5/8			
8 5/8			175 sks 50/50
7	2449	2449	100 sks class
5 1/2			
4 1/2	4554	4554	225 sks 50/50
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Brown Shale Depth 4303/4507 feet

Depth of completed well 4564 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 4303/4507 feet

Gas: Initial open flow 0 Mcf/d Oil: Initial open flow 0 Bbl/d

* Final open flow 400 ^{commingled} est. Mcf/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 975 psig (surface measurement) after 72 hours shut in

(If applicable due to multiple completion--)

09/08/2023

Second producing formation Berea Sandstone Pay zone depth 2675/2683 feet

Gas: Initial open flow 0 ^{commingled} Mcf/d Oil: Initial open flow 0 Bbl/d

* Final open flow 400 est. Mcf/d Oil: Final open flow 0 Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 875 psig (surface measurement) after 72 hours shut in

* Open flows are commingled

(Continue on reverse side)

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

- 10/31/84 Young perforated the Lower Brown Shale with 19 holes (.39 dia) from 4303 to 4507'.
- 10/31/84 Young perforated the Berea Sandstone with 24 holes (.39" dia) from 2675-2683'.
- 11/01/84 B.J. Hughes foam frac the Lower Brown Shale. Used 60,000# of 20/40 sand; 675 MSCF total nitrogen; 327 bbl total fluid.
- 11/01/84 B.J. Hughes foam frac the Berea. Used 60,000# of 20/40 sand; 687 MSCF total nitrogen; 334 bbl total fluid.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
<u>DRILLERS DEPTH</u> (top hole not logged)					
Sand and Shale			0	2125	
Big Lime			2125	2218	
Big Injun			2218	2260	
Shale			2260	2450	
<u>LOGGERS DEPTH</u>					
Shale			2450	2660	
Coffee Shale			2660	2678	
Berea Sand			2678	2689	S/g
Shale			2689	3919	
Brown Shale			3919	4508	S/g @ 4336,4380
Shale			4508	4608	
Total Depth			4608		

(Attach separate sheets as necessary)

KAISER EXPLORATION AND MINING COMPANY

Well Operator

By: R A R

09/08/2023

Date: November 16, 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
OCT 17 1984

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 035 1695

Oil or Gas Well _____
(KIND)

Company <u>Kaiser Exploration</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Simmons Summers</u>	16			Kind of Packer _____
Well No. <u>Kem 162</u>	13			
District _____ County <u>Jackson</u>	10			Size of _____
Drilling commenced <u>10 9 84</u>	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks:

Rd 13 1/4 hole 863' Ran 24 jts 10 3/4 csg set 847kb Halliburton cement
375 sks neat 3%cacl 1/4 lb per sk flocele plug down 6"15 pm. 10 10 84

10 10 84
DATE

James T. Tolson
09/08/2023
DISTRICT WELL INSPECTOR

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

RECEIVED
OCT 22 1984

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 035 1695 R

Oil or Gas Well _____
(KIND)

Company <u>Kaiser Exploration</u> Address _____ Farm <u>Simmons/summers</u> Well No. <u>Kem 162</u> District _____ 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 _____ 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			Size of _____
	13			Depth set _____
	10			Perf. top _____
	8 1/4			Perf. bottom _____
	6 5/8			Perf. top _____
	5 3/16			Perf. bottom _____
	3			
	2			
Liners Used _____				

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 _____
Hurt Rig #2 Archer

Remarks:
Td 91/4 hole at 2480' set 2459kb 7'' csg cement halliburton 175 sks 50/50 poz
10 % cacl 1/4 lb per sk flocele and 100 sks neat 3% cacl 1/4 lb per sk flocele.
plug down 4;15 pm 10 13 84.

should complete drilling today
10 15 84
DATE

Jeff [Signature]
09/08/2023
DISTRICT WELL INSPECTOR

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

RECEIVED
MAR 19 1985

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 035 1695

Oil or Gas Well _____
(KIND)

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

Drillers' Names _____

Remarks:

will need some work in spring.

3 13 85
DATE

[Signature]
09/08/2023
INSPECTOR

RECEIVED
JUN 17 1985

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

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

Company: KAISER EXP & MIN. CO
Farm: SUMMERS, EDRA SIMMONS Well: KEM-162

Permit No. 47- 35-1695
County: JACKSON

Rule	Description	In Compliance	
		Yes	No
23.06	Notification prior to starting work	X	
25.04	Prepped before drilling to prevent waste	X	
25.03	High pressure drilling		
16.01	Required permits at wellsite	X	
15.03	Adequate Fresh Water Casings	X	
15.02	Adequate Coal Casings	X	
15.01	Adequate Production Casings		
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 Drillings 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	

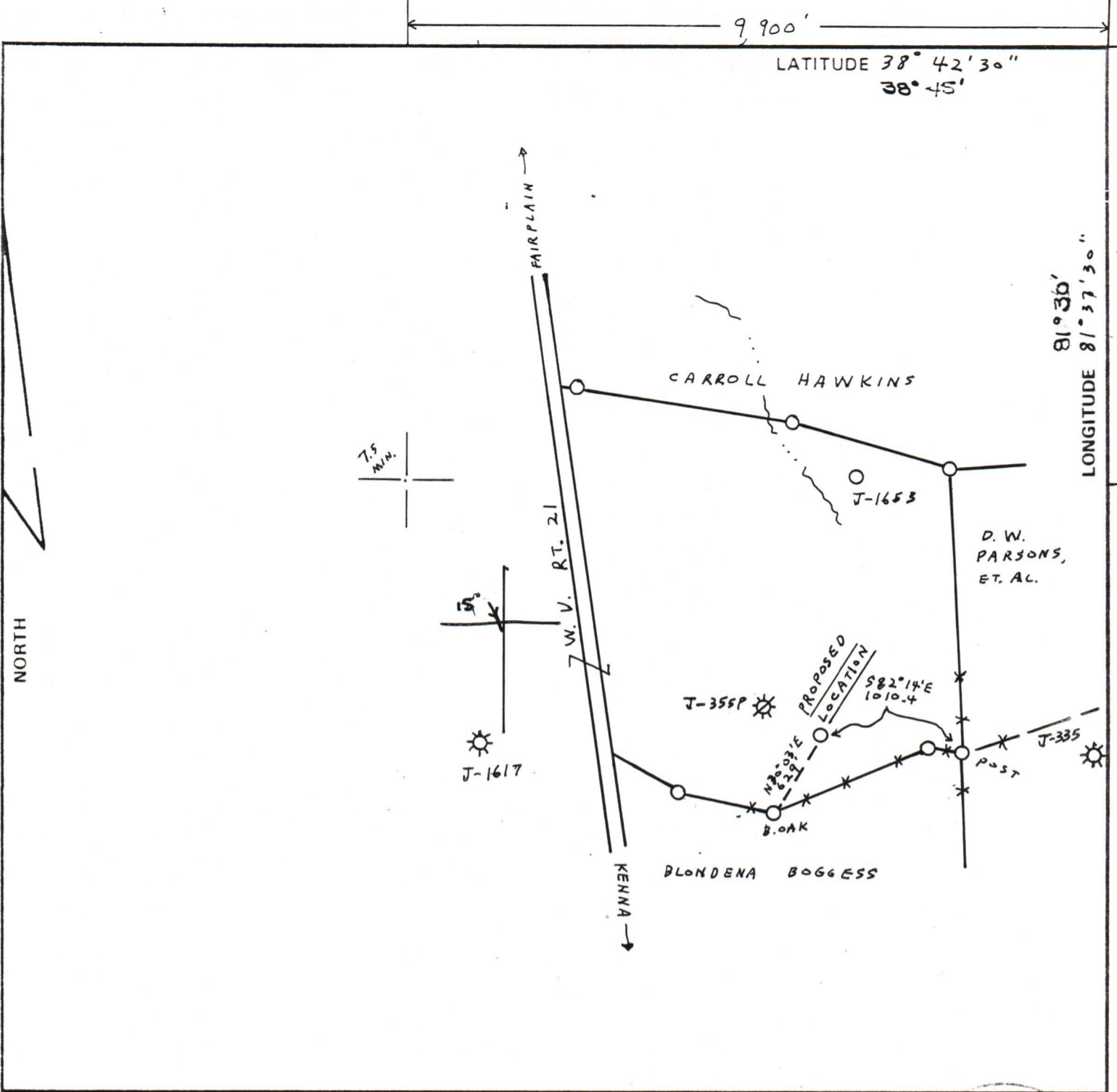
I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED *George T. Shaloh*
DATE 6/4/85

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

T. H. ...
Administrator

June 19, 1985
Date



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1,000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION HIGH POINT SPOT
ELEV. 1041

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

VINCENT W. WOOD
 LICENSED SURVEYOR
 NO 364
 STATE OF WEST VIRGINIA
 LAND SURVEYOR
 PLACE SEAL HERE

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



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE APRIL 12, 1982
 OPERATOR'S WELL NO. KEM 162
 API WELL NO. _____
47 - 035 - 1695-Per
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1013 WATER SHED GRASS LICK CREEK
 DISTRICT RIPLEY COUNTY JACKSON
 QUADRANGLE KENNA
 SURFACE OWNER EDRA SIMMONS SUMMERS ACREAGE 220
 OIL & GAS ROYALTY OWNER EDRA SIMMONS SUMMERS LEASE ACREAGE 220 09/08/2023
 LEASE NO. 83-05-720
 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 SHALE ESTIMATED DEPTH 5221'
 WELL OPERATOR KAISER EXPLOR. & MIN. CO. DESIGNATED AGENT KAISER EXPLORATION & MINING CO.
 ADDRESS P.O. BOX 8 ADDRESS P.O. BOX 8
RAVENSWOOD, W.V. 26164 RAVENSWOOD, W.V. 26164

JACK 1695 KEM