



1) Date: September 22, 19 83  
 2) Operator's Well No. KEM #288 Rev  
 3) API Well No. 47 - 035- 1909  
 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: 781 Watershed: Grasslick Creek  
 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 Same  
Ravenswood, WV 26164
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Homer Dougherty  
 Address Linden Rt.  
Looneyville, WV
- 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, 4926 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

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	10 3/4"			X		250	250	150 sks class A	to surface
Coal								65 sks 50/50	Sizes
Intermediate	7"			X		2235	2235	100 sks class A	pozmix
Production	4 1/2"			X		4926	4926	225 sks 50/50	Depozm
Tubing									
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY  
**DRILLING PERMIT**

Permit number 47-035-1909 Date October 18, 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 October 18, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BB</u>	Agent: <u>[Signature]</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>965</u> \$ <u>965</u> <u>099</u> \$ <u>210</u>
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[Signature]  
 Administrator, Office of Oil and Gas

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



STATE OF WEST VIRGINIA

OFFICE USE ONLY

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

1) WELL LOCATION: B (H "Gas", Production) / Underground storage / Shallow / Deep / Shallow

2) LOCATION: Elevation: 785 / Wreath: Grasslick Creek / District: Ridley / County: Jackson / Quadrangle: Ridley

3) WELL OPERATOR: R. A. Fryce / Address: P.O. Box 8, Leavittwood, W. Va. 26044

4) DRILLING CONTRACTOR: Clint Wynn / Address: P.O. Box 388, Leavittwood, W. Va. 26044

5) PROPOSED WELL WORK: Drill / Re-drill / Stimulate / Plug off old formation / Perforate new formation

6) GEOLOGICAL TARGET FORMATION: Weyburn Brown Shale

7) ESTIMATED DEPTH OF COMPLETED WELL: 4250 feet

8) APPROXIMATE TRAP DEPTH: 4250 feet

9) APPROXIMATE COAL SEAM DEPTH: 4250 feet

10) IS COAL BEING MINED IN THE AREA? Yes

Casing or Tubing Type	Size	Casing or Tubing Weight per ft.	Specifications		Footage Intervals		Centralizers or Sacks (Case feet)	Partners
			Grade	Weight	For drilling	Left in well		
Conductor	10 3/4"	10.5	X		250	250		None
Fresh water	7"	10.5	X		238	238		None
Coal	7"	10.5	X		238	238		None
Intermediate	4 1/2"	10.5	X		238	238		None
Production	4 1/2"	10.5	X		238	238		None

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: \_\_\_\_\_

Agent	Agent	Agent	Agent	Agent	Agent	Agent	Agent	Agent	Agent
88									

09/08/2023

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.



1) Date: September 22, 19 83  
 2) Operator's Well No. KEM #283 Rev  
 3) API Well No. 47  
 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: 781 Watershed: Grasslick Creek  
 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 Same  
Ravenswood, WV 26164
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Homer Dougherty Name Clint Hurt  
 Address Linden Rt. Address P. O. Box 388  
Looneyville, WV 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, 4926 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

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	<u>10 3/4"</u>			<u>X</u>		<u>250</u>	<u>250</u>	<u>150 sks class A to surface</u>	Sizes
Coal								<u>65 sks 50/50 pgzmix</u>	Depths set
Intermediate	<u>7"</u>			<u>X</u>		<u>2235</u>	<u>2235</u>	<u>100 sks class A</u>	
Production	<u>4 1/2"</u>			<u>X</u>		<u>4926</u>	<u>4926</u>	<u>225 sks 50/50 pgzmix</u>	
Tubing									
Liners									Perforations: Top Bottom

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

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

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

WAIVER

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

Date: \_\_\_\_\_, 19 \_\_\_\_\_

By: [Signature]

Its: \_\_\_\_\_

09/08/2023  
 Coal Owner

IV-9  
(Rev 8-81)



DATE November 16, 1982

WELL NO. KEM #288

State of West Virginia  
Department of Mines  
Oil and Gas Division

API NO. 47 - 035 - 1909

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Kaiser Exploration and Mining Co DESIGNATED AGENT Same

Address P. O. Box 8, Ravenswood, WV 26164 Address \_\_\_\_\_

Telephone 273-5371 Telephone \_\_\_\_\_

LANDOWNER Grant Donohew 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: Nov 17 1982 (Date)

Wayne W. Hughes  
(SCD Agent)

ACCESS ROAD

LOCATION

Structure None required (A)

Spacing \_\_\_\_\_

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

Structure \_\_\_\_\_ (B)

Spacing \_\_\_\_\_

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

Structure \_\_\_\_\_ (C)

Spacing \_\_\_\_\_

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

Structure None required (1)

Material \_\_\_\_\_

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

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

Material \_\_\_\_\_

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

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

Material \_\_\_\_\_

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

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I

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

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

Mulch Hay 2 Tons/acre

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

Kentucky 31 Fescue 16 lbs/acre

Red Clover 8 lbs/acre

Treatment Area II

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

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

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

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

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

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

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

PLAN PREPARED BY Vincent Wood

ADDRESS 116 Post Avenue 09/08/2023


Ripley, WV 25271


PHONE NO. 372-2709

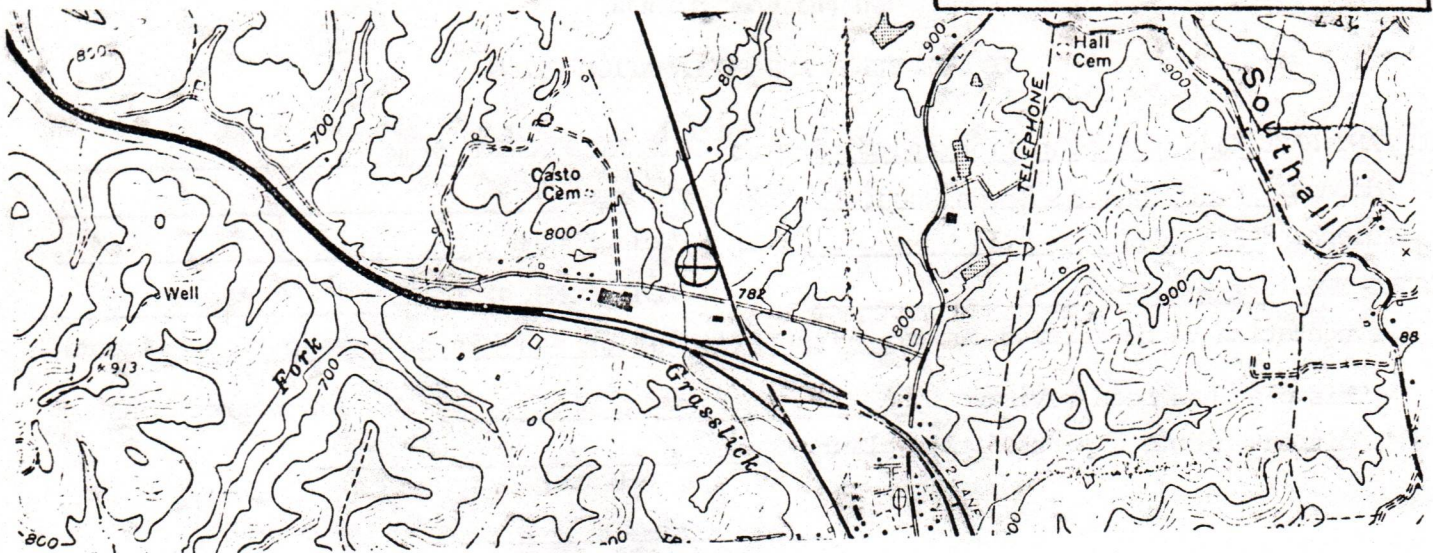
NOTES: Please request landowner's cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE RIPLEY

LEGEND

Well Site 





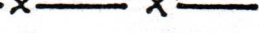







Access Road 

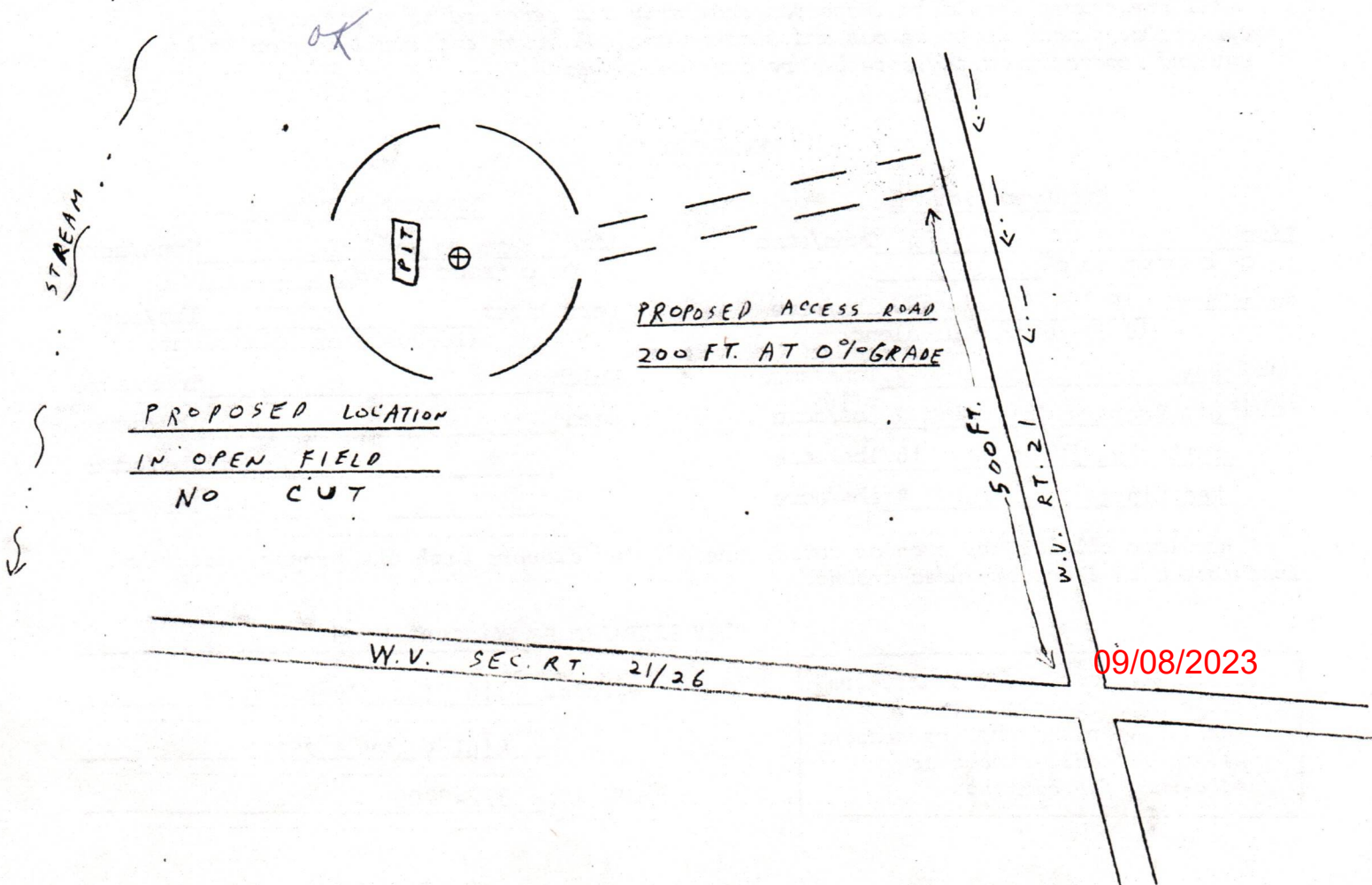


WELL SITE PLAN

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: September 22, 19 83

2) Operator's Well No. KEM #288

3) API Well No. 47 035 ~~1784~~  
State County Permit  
1909

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

Revised

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

(i) Name National Bank of Commerce  
Address P. O. Box 633  
Charleston, WV 25322

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

(iii) Name \_\_\_\_\_  
Address \_\_\_\_\_

5(i) COAL OPERATOR None  
Address \_\_\_\_\_

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

Name \_\_\_\_\_  
Address \_\_\_\_\_

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

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

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

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

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

6) EXTRACTION RIGHTS

Check and provide one of the following:

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

7) ROYALTY PROVISIONS

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

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

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

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

R. A. Price  
this 22 day of September, 19 83.  
My commission expires 8/30, 19 83.

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

WELL OPERATOR Kaiser Exploration and Mining Co.

By R. A. Price  
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:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book Page
-----------------------	-----------------------	---------	-----------

Grant Donohew	Kaiser Exploration and Mining Co.	157/681	
		1/8 of prevailing	
		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. KEM 288 REV located in Ripley District, Jackson County, West Virginia, upon the person or organization named--

National Bank of Commerce by James Buedette v.p.

--by delivering the same in Kanawha County, State of W. Va. on the 26<sup>th</sup> day of September, 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      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 James Buedette.

Paul Achindler  
(Signature of person executing service)

Taken, subscribed and sworn before me this 26<sup>th</sup> day of September, 1983  
My commission expires MAY 27, 1991

Notary Public  
Commissioner for the State of W. Va.  
09/08/2023

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)





09/08/2023



1) Date: September 22, 1923  
 2) Operator's Well No. WV 4228 Rev  
 3) API Well No. 47 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: 781 Watershed: Grasslick Creek  
 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 Ravenswood, WV 26164 Address Same
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Homer Dougherty Address Linden Rt. Looneyville, WV
- 9) DRILLING CONTRACTOR: Name Clint Hurt Address P. O. Box 288 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, 4926 feet
- 13) Approximate true depths: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.
- 14) Approximate coal seam depths: \_\_\_\_\_ Is coal being mined in the area? Yes \_\_\_\_\_ / No \_\_\_\_\_
- 15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	<u>10 3/8"</u>			<u>X</u>		<u>250</u>	<u>250</u>	<u>150 sks class A to surface</u>	
Coal									Sizes
Intermediate	<u>7"</u>			<u>X</u>		<u>2225</u>	<u>2225</u>	<u>150 sks 50/50</u>	<u>Grainix</u>
Production	<u>1 1/2"</u>			<u>X</u>		<u>4926</u>	<u>4926</u>	<u>225 sks 50/50</u>	<u>Depths set</u>
Tubing									
Liners									Perforations:
									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: North Bank Commerce  
 By: [Signature]  
 Its: [Signature] Date: 9-26-23

\_\_\_\_\_  
 (Signature) Date: \_\_\_\_\_  
 \_\_\_\_\_  
 (Signature) Date: \_\_\_\_\_

**09/08/2023**

Surface Owner

ROANE  
1184 - 1185

BOOK 173 PAGE 253

Rec: Payne Oil & Gas Inc.  
PO Box 877  
Clendenen W  
25745

THIS ASSIGNMENT, made and entered into this 28th day of May, 1983, by and between JOSEPH COHEN, AND Emma Jean COHEN, his wife, parties of the first part, and PAYNE OIL AND GAS, INC., a West Virginia Corporation, party of the second part.

WITNESSETH:

That in and for the consideration of the sum of Ten Dollars (\$10.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, the parties of the first part do hereby transfer, set over, sell, assign, grant and convey unto the party of the second part all of their right, title, and interest in and to that certain oil and gas lease, and wells situate thereon, said lease being more particularly described as follows:

RECEIVED

JUN 28 1983

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

Being that certain oil and gas lease dated September 18, 1964, between Sim J. Justice, and Grace Justice, his wife, and Stonestreet Oil and Gas Company, covering Three Hundred Eighteen (318) acres, more or less, situate in the Geary District of Roane County, West Virginia, upon the waters of Big Left Hand Creek, and Looney Fork, which lease is of record in the Office of the Clerk of the County Commission of the said Roane County, in Lease Book 104 at Page 456, reference to which is hereby made for a more particular description of the property hereby transferred, together with all right, title, and interest in and to the wells situate thereon, known as "S. J. Justice #1 and #2", and all of the machinery casing, tubing, gate valves, pipelines, drips, tools, equipment and piping used in connection with said wells.

and further being the same oil and gas lease assigned unto J & J Enterprises (Joe Cohen and John Gehrig), by D. A. Drake, by assignment bearing the date of the 6th day of July, 1972, said assignment being of record in the Office of the Clerk of the County Commission of Roane County in Lease Book 128 at Page 456; the interest of the said John Gehrig in the aforescribed property, having been assigned to the parties of the first part herein, by assignment bearing the date of the 28 day of May, 1983, said assignment being of record in the Office of the Clerk of the County Commission of the said Roane County in Lease Book 104 at Page 456, reference to all the above assignments having been here made for a more particular description of the property hereby transferred.

09/08/2023

The parties of the first part hereby declare that they have full and

lawful title to the property hereby transferred, and that the same is free from all claims of others, any liens and encumbrances, and that they will WARRANT GENERALLY the title to the oil and gas lease, and wells situate thereon which are hereby transferred.

It is hereby agreed that upon delivery of title to the oil and gas lease hereby transferred unto the party of the second part, the parties of the first part shall be free from any further obligation as operator of said wells, and that title theretoshall pass unto the party of the second part.

WITNESS the following signatures and seals:

Joseph Cohen (SEAL)  
Joseph Cohen

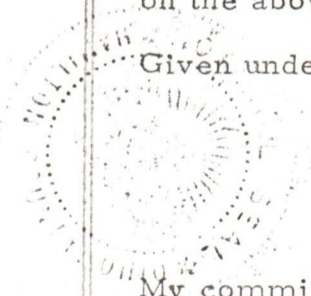
Emma Jean Cohen (SEAL)  
Cohen

STATE OF Ohio,

COUNTY OF Hamilton, to-wit:

I, Lawrence L. Klems, a Notary Public in and for the county and state aforesaid, do hereby certify that Joseph Cohen, and Emma Jean Cohen, his wife, have this day acknowledged their signatures and seals on the above document bearing the date of the 28th day of May, 1983

Given under my hand and seal this 28<sup>th</sup> day of May, 1983.



Lawrence L. Klems (SEAL)  
Notary Public

LAWRENCE L. KLEMS

Notary Public, State of Ohio

My Commission Expires Dec. 15, 1983

My commission expires

This instrument was prepared by: PAYNE OIL AND GAS, INC.  
South Point Drive  
Clendenin, West Virginia 25045

STATE OF WEST VIRGINIA,  
ROANE COUNTY COMMISSION CLERK'S OFFICE, 3 June, 1983 P.M. 12:16

Book No. 173

The foregoing instrument together with the certificate thereto annexed, was this date admitted to record in said office.

File No. 20348

GENE M. ASHLEY, Clerk

Fee 5.00

By Gene M. Ashley

09/08/2023



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

- 3/22/84 Young Wireline perforated the Brown Shale 4067'-4258'(KB) with 20 holes, .41" diameter.
- 3/22/84 Nowsco, BJ Hughes foam fractured the Brown Shale: used 762 MSCF nitrogen, total fluid 300 bbls, no propanant used, breakdown pressure: 1600 psig, treating pressure 2050 psig, ISIP: 1240 psig.
- 4/22/84 Young Wireline perforated Berea 2462'-2472'(KB) with 20 holes, .41" diameter.
- 4/22/84 Nowsco, BJ Hughes foam fractured Berea: used 650,000 SCF nitrogen, 60,000 lbs 20/40 sand. Total fluid: 310 bbls, breakdown pressure: 1900 psig, treating pressure: 2000 psig; ISIP: 1800 psig.

## WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Soil and Shale			0	218	
Sand			218	278	
Shale and Siltstone			278	645	
Sand			645	666	
Shale and Siltstone			666	935	
Sand			935	980	
Shale			980	1112	
Little Dunkard Sand			1112	1204	
Shale			1204	1303	
Big Dunkard Sand			1303	1485	
Shale and Siltstone			1485	1670	
Salt Sands			1670	1854	
Big Lime (Greenbrier)			1854	1970	
Shale			1970	1991	
Big Injun Sand			1991	2094	
Shale			2094	2440	
Coffee Shale			2440	2462	
Berea Sand			2462	2475	
Shale			2475	3708	S/g @ 3680'
Brown Shale			3708	4261	S/g @ 4132'
Shale			4261	4316	
Total Depth			4316		

(Attach separate sheets as necessary)

KAISER EXPLORATION AND MINING COMPANY  
Well Operator

By: ZAP

09/08/2023

Date: April 9, 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

APR 1 1 1964

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 035 1909

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

Company <u>Kaiser exploration.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Donohew</u>	16			Kind of Packer _____
Well No. _____	13			
District _____ County <u>Jackson</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 1/2			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: \_\_\_\_\_

Had to check a report of oil running over location.

Location was ok no oil.

4 3 83  
DATE

Jerry W. Tephel 09/08/2023





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

RECEIVED  
MAR 19 1984

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 035 1909

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

Company <u>Kaiser Exploration</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Donohew</u>	16			Kind of Packer _____
Well No. <u>Kem 288</u>	13			
District _____ County <u>Jackson</u>	10			Size of _____
Drilling commenced <u>3 10 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 Clint Hurt Rig #4 Junior Archer

Remarks:  
3 10 84 Spud Date  
Drilling 13 1/4 hole Ran 258' set 268' KB Cement 175 saca neat  
3 12 84 Drilling 8 1/2 hole at 739'.

3 12 84  
DATE

Jerry R. Taylor 09/08/2023



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

RECEIVED  
MAR 10 1984

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 035 1909

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 <u>Donohew</u>	16			
Well No. <u>Kem 288</u>	13			Size of _____
District _____ County <u>Jackson</u>	10			
Drilling commenced _____	8 1/4			Depth set _____
Drilling completed _____ Total depth _____	6 5/8			
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 #4 Junior Archer

Remarks:  
3 14 84 Ran 53 Jts 7' csg set 223 1/2 kb Cement 150 sks 50/50 poz  
10% salt 1/4 lb cel. plus 100sacs neat with 3% cacl 1/4lb cel Plug Down 4:00pm  
woc 9:44pm.

DATE 3 14 84  09/08/2023





RECEIVED  
JUL 25 1984

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

OIL & GAS DIVISION  
DEPT. OF MINES

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT

COMPANY Kaiser Explorati on

PERMIT NO 035 1909

FARM & WELL NO Kem 288 Dickerson

DIST. & COUNTY Jackson

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	_____	_____
25.04	Prepared before Drilling to Prevent Waste	_____	_____
25.03	High-Pressure Drilling	_____	_____
16.01	Required Permits at Wellsite	_____	_____
15.03	Adequate Fresh Water Casing	_____	_____
15.02	Adequate Coal Casing	_____	_____
15.01	Adequate Production Casing	_____	_____
15.04	Adequate Cement Strenght	_____	_____
15.05	Cement Type	_____	_____
23.02	Maintained 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 Jeff. Tephahol  
DATE 7 20 84

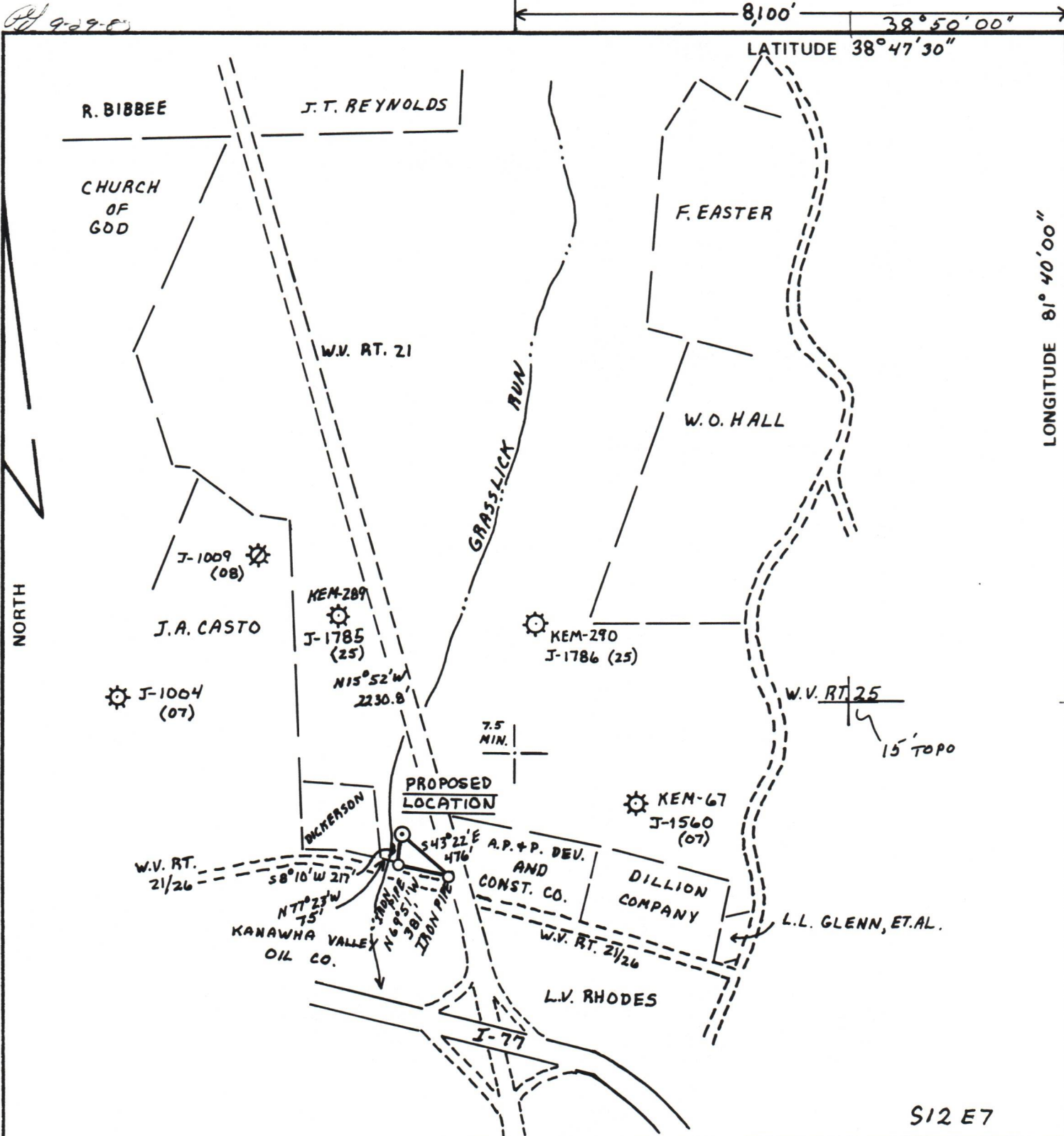
Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T. H. ...  
Administrator-Oil & Gas Division

June 19, 1985  
DATE

09/08/2023

9-29-83



S12 E7

FILE NO. 5-30  
 DRAWING NO. REV. NO. 1  
 SCALE 1" = 1,000'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION INTERSECTION W.V. RT. 21 AND 21/26, ELEV. = 782'

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 AUGUST 8, 19 83  
 OPERATOR'S WELL NO. KEM 288 REV.  
 API WELL NO. 47 - 035 - 1909  
 STATE COUNTY PERMIT

(+) 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 781' WATER SHED GRASSLICK RUN  
 DISTRICT RIPLEY COUNTY JACKSON  
 QUADRANGLE RIPLEY  
 SURFACE OWNER GRANT E. DONOHEW ACREAGE 438.8  
 OIL & GAS ROYALTY OWNER GRANT E. DONOHEW LEASE ACREAGE 438.8  
 LEASE NO. 81-10-892  
 PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

09/08/2023

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION DEVONIAN BROWN SHALE ESTIMATED DEPTH 4901  
 WELL OPERATOR KAISER EXPLOR + MIN. CO. DESIGNATED AGENT KAISER EXPLORATION AND MINING CO.  
 ADDRESS RD. BOX 8 ADDRESS RD. BOX 8  
RAVENSWOOD, W.V. 26164 RAVENSWOOD, W.V. 26164

FORM IV-6 (8-78)

H. T. HALL