



1) Date: June 6, 19 83  
 2) Operator's Well No. KEM # 347  
 3) API Well No. 47 035 1864  
 State County Permit

DRILLING CONTRACTOR:

Clint Hurl & Associates  
Elkview, WV

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil        / Gas X  
 B (If "Gas", Production X / Underground storage        / Deep        / Shallow X)
- 5) LOCATION: Elevation: 757 Watershed: Sycamore Creek  
 District: Ripley County: Jackson Quadrangle: Ripley
- 6) WELL OPERATOR Kaiser Exploration and Mining Co. 11) DESIGNATED AGENT R. A. Pryce  
 Address P. O. Box 8 Address Same  
Ravenswood, WV 26164
- 7) OIL & GAS ROYALTY OWNER Perry Randolph, et al 12) COAL OPERATOR None  
 Address Rt. 1, Box 306 Address         
Ripley, WV 25271
- 8) SURFACE OWNER Same 13) COAL OWNER(S) WITH DECLARATION ON RECORD:  
 Name None  
 Address
- 9) FIELD SALE (IF MADE) TO:  
 Address
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED  
 Name Homer Dougherty  
 Address Linden Rt., Box 3A, Looneyville, WV
- 14) COAL LESSEE WITH DECLARATION ON RECORD:  
 Name None  
 Address
- 15) PROPOSED WORK: Drill X / Drill deeper        / Redrill        / Fracture or stimulate         
 Plug off old formation        / Perforate new formation         
 Other physical change in well (specify)
- 16) GEOLOGICAL TARGET FORMATION, Devonian Brown Shale
- 17) Estimated depth of completed well, 4909 feet
- 18) Approximate water strata depths: Fresh,        feet; salt,        feet
- 19) Approximate coal seam depths:        Is coal being mined in the area? Yes        / No

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 JUN - 8 1983

OIL & GAS DIVISION  
 DEPT. OF MINES

20) 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	A to surface
Coal									Sizes
Intermediate	7"			X		2277	2277	65 sks 50/50	pozmix
Production	4 1/2"			X		4909	4909	100 sks class A	A
Tubing								224 sks 50/50	pozmix
Liners									Perforations:
									Top Bottom

- 21) 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.)
- 22) ROYALTY PROVISIONS  
 Is the right to extract, produce or market the oil or gas based upon a lease or other continuing 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.
- 23) Required Copies (See reverse side.)
- 24) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.
- Notary: \_\_\_\_\_ Signed: R. A. Pryce  
 My Commission Expires \_\_\_\_\_ Its: General Manager

OFFICE USE ONLY

Permit number 47-035-1864 DRILLING PERMIT 7/21 09/08/2023 19 83  
 Date

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. 10) 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.)

Permit expires 3/21/84 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: <u>B</u>	Agent: <u>lo</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>963</u> <u>935</u>
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Michael Lewis  
 Administrator, Office of Oil and Gas



Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.  
"Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less than six thousand feet, whatever is shallower.
- 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
- 15) Work that will be attempted—A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.
- 16) Anticipated formation for which well will be completed
- 17) Self explanatory
- 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
- 19) All coal seam depths
- 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
- 21) Code 22-4-11(c) - In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
  - (1) A brief description of the tract of land including the district and county wherein the tract is located;
  - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
  - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
  - (4) A brief description of the royalty provisions of each such lease or contract.
- 22) Code 22-4-11(d) and 22-4-11(e).
- 23) Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, 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 §22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.
- 24) The above 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 receipt thereof.

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.

09/08/2023

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

By \_\_\_\_\_

Its \_\_\_\_\_





KAISER EXPLORATION AND MINING COMPANY

LEASE SUMMARY

KEM #347 & 419

Tract Discription

County: Jackson

District: Ripley

Acres: 66.5

Bounded By: North - Westvaco  
East - M. V. Staats  
South - J. Goodwin  
West - Harl Casto

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OIL & GAS DIVISION  
DEPT. OF MINES

Lease Parties

Lessor(s): Clifford W. Randolph and Joyce V. Randolph

Lessee: Kaiser Exploration and Mining Company

Recording Information

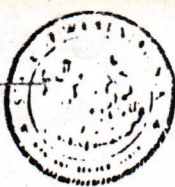
Book and Page: 180/279

Royalty Provision

1/8 of prevailing field price

09/08/2023





IV-9  
(Rev 8-01)

DATE June 1, 1983

WELL NO. KEM #347

State of West Virginia

API NO. 47 - 035 - 1864

Department of Mines  
Oil and Gas Division

*Ren*

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 Perry Randolph 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: June 4 1983 (Date)

Wayne W. Hughes  
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Cross Drains (A)

Spacing 80'

Page Ref. Manual 2-4

Structure Road Culvert (B)

Spacing 12" diameter

Page Ref. Manual 2-7

Structure Rip Rap (C)

Spacing Log

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

Structure Diversion Ditch (1)

Material Earthen

Page Ref. Manual 2:12

Structure Rip Rap (2)

Material Log

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.

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JUN - 8 1983

REVEGETATION

*ok*  
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 William Ambrose 09/08/2023

ADDRESS Rt. 2, Box 51A

Walker, WV 26180

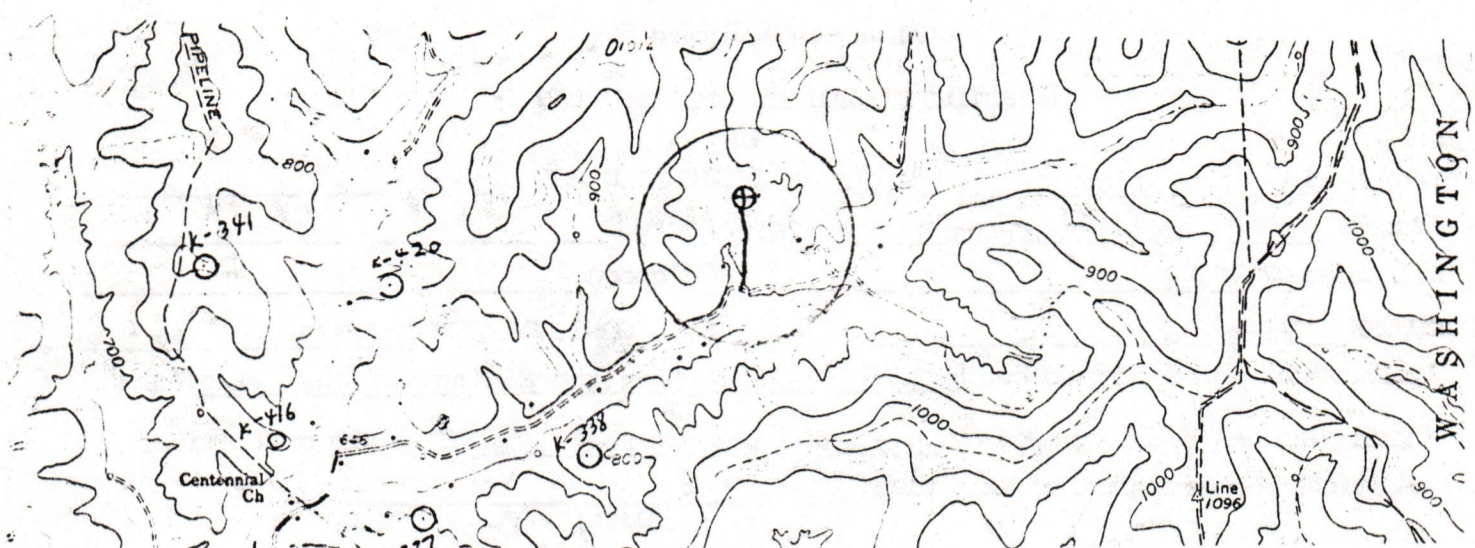
PHONE NO. 679-3970

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 —

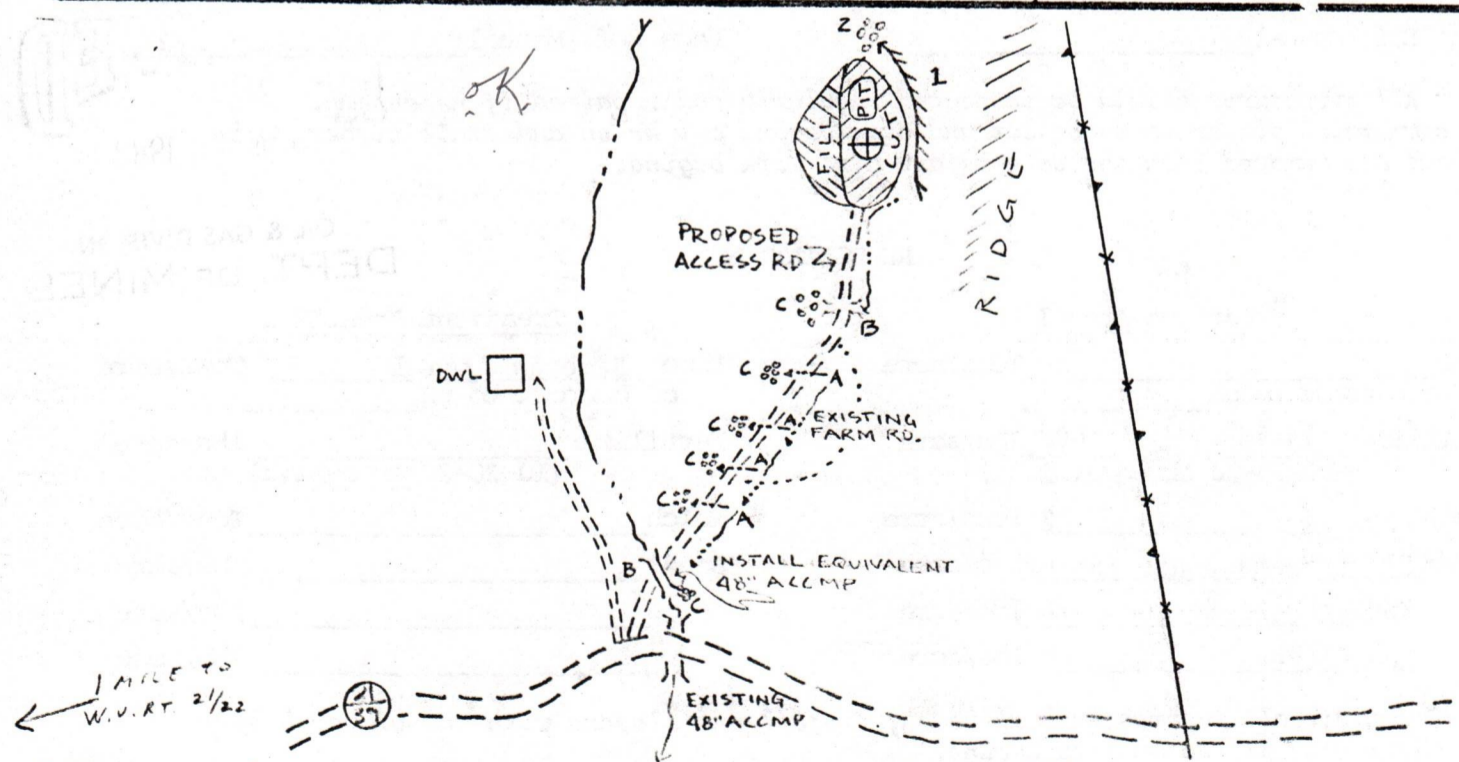


WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, well pits, 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	



- Comments:
1. AVERAGE SLOPE OF ACCESS ROAD = ±9% 09/08/2023
  2. ENTRANCE TO ACCESS ROAD WILL BE STONED.
  3. SIGHT IS LOCATED IN WOODS & WILL BE CLEARED & PILED BEFORE MAKING CUT.
  4. \_\_\_\_\_
  5. \_\_\_\_\_









OFFICE USE ONLY

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

RECEIVED  
FEB 3 3 1984  
OIL & GAS DIVISION  
DEPT. OF MINES

1) WELL OPERATOR: [Name], [Address], [City], [County], [State], [Zip]  
2) LOCATION: [Well No.], [County], [State]  
3) PROPOSED WELL WORK: [Type of work]  
4) DRILLING CONTRACTOR: [Name], [Address], [City], [County], [State], [Zip]

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		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

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

Agency	Date	Case No.	Fee

09/08/2023





1) Date: January 19, 19 84  
 2) Operator's Well No. KEM #347  
 3) API Well No. 47 035 1864  
 State County Permit

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

RENEW

- 4) WELL TYPE: A Oil \_\_\_\_\_ / Gas X /  
 B (If "Gas", Production X / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow X /)
- 5) LOCATION: Elevation: 757' Watershed: Sycamore Creek  
 District: Ripley County: Jackson Quadrangle: Ripley
- 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 9) DRILLING CONTRACTOR:  
 Name Jerry Tephabock Name Clint Hurt  
 Address Rt 1-Bx 101-A Address P. O. Box 388  
Ripley, WV 25271 Elkview, WV
- 10) PROPOSED WELL WORK: Drill X / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate X /  
 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, 4909 feet  
 13) Approximate trata depths: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.  
 14) Approximate coal seam depths: \_\_\_\_\_ Is coal being mined in the area? Yes \_\_\_\_\_ / No \_\_\_\_\_

15) CASING AND TUBING PROGRAM

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	Bottom
Conductor										
Fresh water	<u>10 3/4"</u>			<u>X</u>		<u>250</u>	<u>250</u>	<u>150 sks Class A onto surface</u>		
Coal								<u>65 sks 50/100 pozmix</u>		
Intermediate	<u>7"</u>			<u>X</u>		<u>2277</u>	<u>2277</u>	<u>100 sks Class A</u>		
Production	<u>4 1/2"</u>			<u>X</u>		<u>4909</u>	<u>4909</u>	<u>224 sks 50/100 pozmix</u>		
Tubing										
Liners										

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: \_\_\_\_\_

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

09/08/2023  
 Coal Owner



1) Date: January 20, 19 84  
2) Operator's  
Well No. KEM #347  
3) API Well No. 47 - 035 - 1864  
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 Perry Randolph  
Address Rt. 1, Box 306  
Ripley, WV 25271

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

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

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

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

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

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

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

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

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

6) ~~EXTRACTION RIGHTS~~

Check and provide one of the following:

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

7) ROYALTY PROVISIONS

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

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

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

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

R. A. Pryce,  
this 6 day of February, 1984.  
My commission expires 8/30, 1993.

Dorcas 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>
Clifford W. Randolph	Kaiser Exploration and Mining Company	1/8 of prevailing field price	180/279





1) Date: January 19, 19 84  
 2) Operator's Well No. KEM #347  
 3) API Well No. 47 035 1864  
 State     County     Permit    

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

**RENEW**

- 4) WELL TYPE: A Oil     / Gas X  
 B (If "Gas", Production X / Underground storage     / Deep     / Shallow X)
- 5) LOCATION: Elevation: 757' Watershed: Sycamore Creek  
 District: Ripley County: Jackson Quadrangle: Ripley
- 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 9) DRILLING CONTRACTOR:  
 Name Homer Dougherty Name Clint Hurt  
 Address Linden Rt., Box 3A 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, 4909 feet  
 13) Approximate strata depths: Fresh,     feet; salt,     feet.  
 14) Approximate coal seam depths:     Is coal being mined in the area? Yes     No

**RECEIVED**  
 FEB 23 1984  
 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		
Conductor									Kinds
Fresh water	<u>10 3/4"</u>			<u>X</u>		<u>250</u>	<u>250</u>	<u>150 sks Class A</u>	<u>onto surface</u>
Coal								<u>65 sks 50/75</u>	Sizes <u>nozmix</u>
Intermediate	<u>7"</u>			<u>X</u>		<u>2277</u>	<u>2277</u>	<u>100 sks Class A</u>	<u>   </u>
Production	<u>4 1/2"</u>			<u>X</u>		<u>4909</u>	<u>4909</u>	<u>224 sks 50/75</u>	Depths set
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: \_\_\_\_\_  
 By \_\_\_\_\_  
 Its \_\_\_\_\_ Date \_\_\_\_\_

Clifford Randolph  
 (Signature) Date: 2/16/84  
 \_\_\_\_\_  
 (Signature) Date: \_\_\_\_\_

09/08/2023

Surface Owner



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 347 located in Rush District, Jackson County, West Virginia, upon the person or organization named--

Clifford W. Randolph son of Perry Randolph

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

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

[ ] Handing it to him / her / or, because he / she / refused to take it when I offered it, by leaving it in his / her / presence.

[X] Handing it to a member of his or her family above the age of 16 years named Clifford W Randolph 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**

FEB 23 1984

OIL & GAS DIVISION

William K. [Signature]  
(Signature of person executing service)

Taken, subscribed and sworn before me this 21 day of Feb, 1984.  
My commission expires Oct 28, 1993

Stephen W Kelly  
Notary Public  
Commissioner

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)

09/08/2023







IV-35  
(Rev 8-81)



Date July 6, 1984  
Operator's Well No. KEM 347 Randolph  
Farm Perry Randolph  
API No. 47 - 035 - 1864

State of West Virginia  
Department of Mines  
Oil and Gas Division

**CONFIDENTIAL**

WELL OPERATOR'S REPORT  
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

**RECEIVED**  
14  
DEC 13 1984  
DEPT. OF MINES

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

LOCATION: Elevation: 757 Watershed Sycamore Creek  
District: Ripley County Jackson Quadrangle Ripley

COMPANY Kaiser Exploration and Mining Co.

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

DESIGNATED AGENT R. A. Pryce

ADDRESS same

SURFACE OWNER Perry Randolph, et al

ADDRESS Rt. 1, Box 306, Ripley, WV 25271

MINERAL RIGHTS OWNER same

ADDRESS same

OIL AND GAS INSPECTOR FOR THIS WORK Jerry

Tephabock ADDRESS Rt. 1, Ripley, WV 25271

PERMIT ISSUED   

DRILLING COMMENCED 5-18-84

DRILLING COMPLETED 5-23-84

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.			
13-10" <sup>10 3/4"</sup>		254'	175 sx Class A 3% CaCl <sub>2</sub> 1/4# / sx celloflake
9 5/8			
8 5/8			
7		2204'	175 sx 50/60 po. 10% salt, 1/4# / sx celloflake.
5 1/2	100 sx class A, 3%		CaCl <sub>2</sub> 1/4# / sx celloflake.
4 1/2		4299'	225 sx 50/60 po. 10% salt, 12.5 # / sx Gilsonite.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Brown Shale Depth 4055 feet (KB)

Depth of completed well 4310 (KB) feet Rotary X / Cable Tools   

Water strata depth: Fresh N/A feet; Salt N/A feet Top Hole Drilled on Fluid

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

OPEN FLOW DATA

Producing formation Devonian Brown Shale Pay zone depth 4055 feet (KB)

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

\* Final open flow 1008 Mcf/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 72 hours

Static rock pressure 1020 psig (surface measurement) after 5 hours shut in

(If applicable due to multiple completion--)

Second producing formation Berea Sandstone Pay zone depth 2477 (KB) feet

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

\* Final open flow 1008 Mcf/d Oil: Final open flow 0 Bbl/d

Time of open flow between initial and final tests 72 hours

Static rock pressure 850 psig (surface measurement) after 5 hours shut in

\* Open Flow is Combined.

(Continue on reverse side)

JACK - 1864



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

- 5-29-84 Young's Wireline perforated the Brown Shale with 18 holes (.39" dia) from 3959' to 4250' (KB).
- 5-30-84 Nowsco fractured the Brown Shale with 75% foam. Breakdown pressure: 2100 psig. Breakdown fluid: foam. Treating pressure: 2350 psig. Used: 60,000# 20/40 sand; Total nitrogen: 665 mscf; total sand laden fluid: 199 bbl; total fluid: 276 bbl. ISIP: 1500 psig - 5 min SIP: 1200 psig.
- Young's Wireline perforated the Berea with 16 holes (0.39" dia) from 2445' to 2449' 4 holes/ft.
- Nowsco foam fractured the Berea with 75% foam. Breakdown pressure: 2100 psig. Fluid: foam. Treating pressure: 2000 psig. Used: 60,000# 20/40 sand; total nitrogen: 650 mscf; total sand laden fluid: 199 bbls. Total fluid: 276 bbls. ISIP: 1950 psig. 5 min SIP: 1700 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	60	
Sand			60	95	
Shale			95	187	
Siltstone			187	318	
Sand			318	374	
Shale & Siltstone			374	580	
Sand			580	640	
Shale & Siltstone			640	1166	
Dunkard Sands			1166	1570	
Shale			1570	1700	
Salt Sands			1700	1812	
Big Lime (Greenbrier)			1812	1984	
Shale			1984	2017	
Big Injun Sand			2017	2086	
Shale			2086	2430	
Coffee Shale			2430	2452	
Berea Sand			2452	2458	S/G
Shale			2458	3672	S/G @ 3336, 3408
Brown Shale			3672	4260	S/G @ 4026, 4118
Shale			4260	4323	
Total Depth			4323		

(Attach separate sheets as necessary)

Kaiser Exploration and Mining Company  
Well Operator

By: R. A. Pryce

RAP 09/08/2023

Date: July 6, 1984

Note: Regulation 2.02(i) provides as follows:  
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."



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

RECEIVED

MAY 23 1984

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 035 1864

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

Company <u>Kaiser Exploration</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Randolph</u>	16			Kind of Packer _____
Well No. <u>Kem 347</u>	13			
District _____ County <u>Jackson</u>	10			Size of _____
Drilling commenced <u>5 17 84</u>	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 \_\_\_\_\_

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

Spud Date 5 17 84

5 17 84  
DATE

*[Signature]*  
09/08/2023







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

RECEIVED

MAY 23 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION

DEPT. OF MINES  
Oil or Gas Well (KIND)

Permit No. 035 1864

Company <u>Kaiser Exploration</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
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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 \_\_\_\_\_

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

TD 131/4 hole at 10:00PM at 288' Ran 6 jts 103/4 csg set 264K B Noscoe ran 175 s  
sacs class a Neat Plug down 12:15 AM 5 18 84

WOC

5 18 84

*John A. ...* 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 Exploration  
P. O. Box 8  
Ravenswood, WV 26164

PERMIT NO 47,035 1864 -REN.  
FARM & WELL NO Randolph Kem 347  
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	_____	_____
25.01	Necessary Equipment to Prevent Waste	_____	_____
23.04	Reclaimed Drilling Pits	_____	_____
23.05	No Surface or Underground Pollution	_____	_____
23.07	Requirements for Production & Gathering Pipelines	_____	_____
16.01	Well Records on Site	_____	_____
16.02	Well Records Filed	_____	_____
7.05	Identification Markings	_____	_____

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

SIGNED *Jeanne Tephahok*  
DATE 7 19 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.

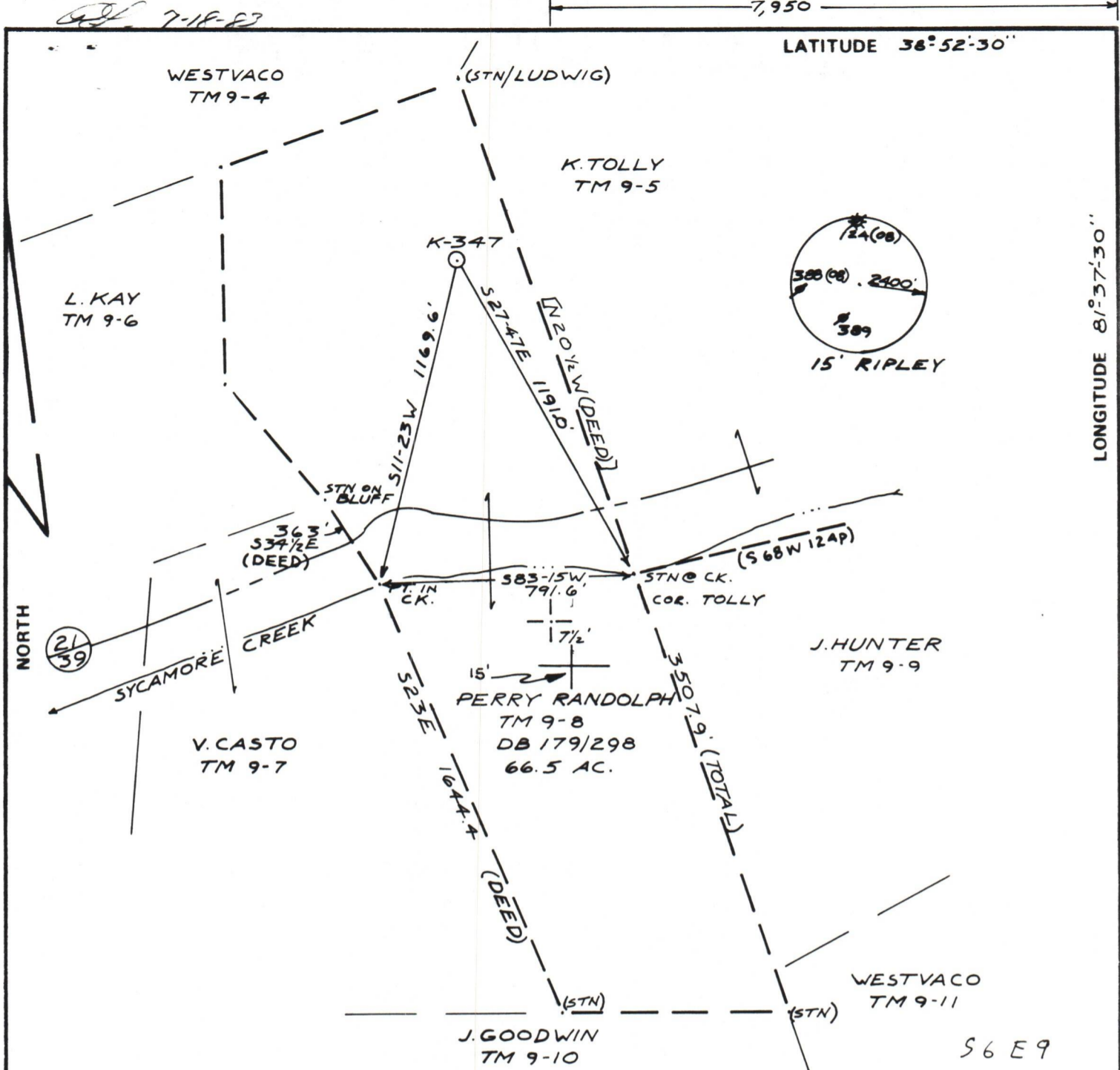
*T. H. ...*  
Administrator-Oil & Gas Division

January 30, 1985

DATE

09/08/2023





FILE NO. 83-21

DRAWING NO. \_\_\_\_\_

SCALE 1" = 500'

MINIMUM DEGREE OF ACCURACY \_\_\_\_\_

PROVEN SOURCE OF ELEVATION 646' @ ROAD INTERSECTION

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) William Ambrose

R.P.E. \_\_\_\_\_ L.L.S. 568

PLACE SEAL HERE

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

FORM IV-6 (8-78)



DATE 3 JUNE, 19 83

OPERATOR'S WELL NO. K-347

API WELL NO. 47-035-1864

STATE 47 COUNTY 035 PERMIT 1864

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_

(IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW

LOCATION: ELEVATION 757' WATER SHED SYCAMORE CREEK

DISTRICT RIPLEY COUNTY JACKSON

QUADRANGLE RIPLEY 7 1/2'

SURFACE OWNER PERRY RANDOLPH, et ux. ACREAGE 66.5

OIL & GAS ROYALTY OWNER PERRY RANDOLPH, et al. LEASE ACREAGE 66.5

LEASE NO. 92-07-2029

PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_

TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 4909'

WELL OPERATOR KAISER EXPLORATION DESIGNATED AGENT SAME

ADDRESS PO. BOX 8 & MINING CO. ADDRESS \_\_\_\_\_

RAVENSWOOD, W.V. 26164

09/08/2023

PACK-1067