



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
**Oil and Gas Division**  
**WELL RECORD**

Rotary XXX Oil             
Cable            Gas XXXXX  
Recycling            Comb.             
Water Flood            Storage             
Disposal            (Kind)           

Quadrangle Cottageville 15'

Permit No. JAC-1426  
47-035

Company <u>Kaiser Exploration and Mining Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P. O. Box 537, Ripley, WV 25271</u>				
Farm <u>Fred B. Sayre</u> Acres <u>95</u>				
Location (waters) <u>Isaac's Run</u>	Size			
Well No. <u>KEM-#1</u> Elev. <u>730.05</u>	<u>20-16</u>			
District <u>Ripley</u> County <u>Jackson</u>	Cond.			
The surface of tract is owned in fee by <u>Fred B. Sayre &amp; Orville Sayre</u>	<u>13-10"</u>			
Address <u>340 N. Church St. &amp; 406 N. Church St. Ripley</u>	<u>9 5/8</u>	<u>312</u>	<u>312</u>	<u>100 Sax-to surface</u>
Mineral rights are owned by <u>Same</u> Address <u>Same</u>	<u>8 5/8</u>			
Drilling Commenced <u>7/27/78</u>	<u>7</u>	<u>2413</u>	<u>2413</u>	<u>125 Sax-1073'</u>
Drilling Completed <u>8/2/78</u>	<u>5 1/2</u>			
Initial open flow <u>0</u> cu. ft. <u>          </u> bbls.	<u>4 1/2</u>	<u>4808</u>	<u>4808</u>	<u>150 Sax-1688'</u>
Final production <u>50</u> cu. ft. per day <u>          </u> bbls.	<u>3</u>			
Well open <u>          </u> hrs. before test <u>1300</u> RP.	<u>2</u>			
	Liners Used			

Well treatment details: Attach copy of cementing record.  
Perforated Oriskany at 4730-32, 4756-58 with 32 Omega Jet shots.  
Dowell fractured Oriskany w/15,000# 80/100 and 30,000# 20/40 sand, 210,000 SCF Nitrogen;  
739 BBL Total. (Lost frac job due to channeling will recomplete in shale later)

Coal was encountered at            Feet            Inches  
Fresh water            Feet Salt Water            Feet  
Producing Sand Oriskany Depth 4730-32 4756-58

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Soil			0	10		
Siltstone			10	90		
Shale			90	150		
Sand			150	315		
Shale			315	410		
Siltstone			410	425		
Red Rock			425	508		
Sand			508	515		
Red Rock			515	550		
Sand			550	585		
Red Rock			585	630		
Sand			630	690		
Siltstone			690	810		
Shale			810	850		
Sand			850	870		
Shale			870	890		
Sand			890	895		
Shale			895	1030		
Sand			1030	1160		
Shale			1160	1190		
Salt Sand			1190	1440		
Shale			1440	1655		
Maxton			1655	1785		

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DEPT. OF MINES

09/08/2023

(over)  
\* Indicates Electric Log tops in the remarks section.  
APPROVED K.A.P. Owner  
By            Operations Manager  
(Title)



Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Shale			1785	1800		
Big Lime			1800	1885		
Shale			1885	1905		
Big Injun			1905	2010		
Shale			2010	2030		
Sand			2030	2050		
Shale			2050	2357		
Coffee Shale			2357	2380		
Berea			2380	2390		
Shale			2390	3576		
Brown Shale			3576	4436		
Marcellus Shale			4436	4642		
Onondaga Lime			4642	4716		
Oriskany			4716	4772		
Helderberg L.S.			4772	4853		
Total Depth			4853			

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Date January 4, 1979

APPROVED

R. A. P.

Owner

By Operations Manager  
(Title)

09/08/2023





State of West Virginia  
Department of Mines  
Oil and Gas Division

Date August 19, 1983  
Operator's  
Well No. KEM #1  
Farm Sayre  
API No. 47 - 035 - 1426

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

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

LOCATION: Elevation: 730 Watershed Isaac's Run  
District: Ripley County Jackson Quadrangle Cottageville

COMPANY Kaiser Exploration and Mining Company  
ADDRESS P. O. Box 8, Ravenswood, WV .26164  
DESIGNATED AGENT R. A. Pryce  
ADDRESS Same as above  
SURFACE OWNER Fred Sayre and Orville Sayre  
ADDRESS 340 N. Church St, Ripley  
MINERAL RIGHTS OWNER Same  
ADDRESS \_\_\_\_\_  
OIL AND GAS INSPECTOR FOR THIS WORK Homer  
Dougherty ADDRESS Linden Rt. Box 3A, Looneyville  
PERMIT ISSUED \_\_\_\_\_  
DRILLING COMMENCED 7/27/78  
DRILLING COMPLETED 8/02/78

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	SEE ORIGINAL OG-10		
7			
5 1/2			
4 1/2			
3			
2			
Liners used			

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DEPT. OF MINES

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

GEOLOGICAL TARGET FORMATION \_\_\_\_\_ Depth \_\_\_\_\_ feet  
Depth of completed well \_\_\_\_\_ feet Rotary \_\_\_\_\_ / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh \_\_\_\_\_ feet; Salt \_\_\_\_\_ feet  
Coal seam depths: \_\_\_\_\_ Is coal being mined in the area? \_\_\_\_\_

OPEN FLOW DATA  
Producing formation Upper Brown Shale Pay zone depth 3460-3746 feet  
Gas: Initial open flow N/A Mcf/d Oil: Initial open flow -- Bbl/d  
Final open flow 78 Mcf/d Final open flow -- Bbl/d  
Time of open flow between initial and final tests -- hours  
Static rock pressure 1000 psig (surface measurement) after 4 hours shut in  
(If applicable due to multiple completion--)  
Second producing formation \_\_\_\_\_ Pay zone depth \_\_\_\_\_ feet  
Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ Mcf/d Oil: Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ hours  
Static rock pressure \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in

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

Set Baker permanent plug in 4 1/2" casing at 3780'. Perforated with NL MCCULLOUGH with 20 holes, 3460'-3746'. Nowsco and B. J. Hughes foam fractured the Upper Brown Shale with 75 quality foam. Breakdown with 500 gal of 15% HCL at 2410 psig. Pumped 200 bbl foam pad and frac'd with 60,000# 20/40 sand, 2-10 ppg surface, 40 BPM downhole rate, average treating pressure: 3000 psig. Used 1,044,000 scf of nitrogen and 380 bbl fluid. ISIP: 1400 psig; 5 min SI: 1200 psig. Flow back through 1/2" choke.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
See original OG-10					

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(Attach separate sheets as necessary)

KAISER EXPLORATION AND MINING COMPANY

Well Operator

By: R. A. P.

09/08/2023

Date: August 19, 1983

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



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JAN 26 1984



1) Date: January 17, 19 84  
2) Operator's Well No. KEM #1  
3) API Well No. 47 - 035 - 1426 - PP  
State County Permit

OIL & GAS DIVISION  
DEPT. OF MINES  
OFFICE OF OIL AND GAS, DEPARTMENT OF MINES

PARTIAL

APPLICATION FOR A PERMIT TO PLUG AND ABANDON A WELL

4) WELL TYPE: A Oil \_\_\_\_\_ / Gas X / Liquid injection \_\_\_\_\_ / Waste disposal \_\_\_\_\_  
B (If "Gas", Production X / Underground storage) \_\_\_\_\_ / Deep \_\_\_\_\_ Shallow X / )  
5) LOCATION: Elevation: 730' Watershed: Isac's Run  
District: Ripley County: Jackson Quadrangle: Cottageville  
6) WELL OPERATOR KEMGAS 7) DESIGNATED AGENT R. A. Pryce  
Address P. O. Box 8 Address Same  
Ravenswood, WV 26164  
8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) PLUGGING CONTRACTOR  
Name Jerry Tephabock Name Basin Surveys/N. L. McCullough  
Address \_\_\_\_\_ Address P. O. Box 4209  
Houston, TX 77210

10) WORK ORDER: The work order for the manner of plugging this well is as follows:

The Oriskany Sandstone was plugged with a 3.71" OD permanent bridge plug, set in the 4 1/2" casing at 4100'. No casing pulled. The work was done May 15, 1979.

The Lower Brown Shale was plugged with a Baker Model S. permanent bridge plug set in the 4 1/2" casing @ 3780'. No casing pulled. The work was done on July 11, 1983.

VERBAL PERMISSION

OFFICE USE ONLY

PLUGGING PERMIT

Permit number 47-035-1426-PP

February 2, 19 84  
Date

This permit covering the well operator and well location shown below is evidence of permission granted to plug 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 24 hours before actual permitted work has commenced.**

The permitted work is as described in the Notice and Application, plat, subject to any modifications and conditions on the reverse hereof.

Permit expires February 2, 1986 unless plugging is commenced prior to that date and prosecuted with due diligence.

Bond: <b>BLANKET</b>	Agent: <u>ls</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>NA</u>
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Michael J. Lewis  
Administrator, Office of Oil and Gas

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

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

09/08/2023



RECEIVED

OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED PLUGGING

1. WELL TYPE: A. Oil \_\_\_\_\_ B. ( ) Water, Production \_\_\_\_\_

2. LOCATION: Direction \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_

3. WELL OPERATOR: Name \_\_\_\_\_ Address \_\_\_\_\_

4. DESIGNATED AGENT: Name \_\_\_\_\_ Address \_\_\_\_\_

5. PLUGGING CONTRACTOR: Name \_\_\_\_\_ Address \_\_\_\_\_

OFFICE USE ONLY

This part of Form IV-4(b) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Follow-up inspection(s)	Date(s)
Application received			
Plugging started		“ “	
Plugging completed		“ “	
Well Record received		“ “	

OTHER INSPECTIONS

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

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

*[Signature]*  
Administrator, Office of Oil and Gas

*[Signature]*  
Agent

BLANKET

File

09/08/2023





1) Date: January 17 19 84  
2) Operator's Well No. KEM 1  
3) API Well No. 47 - 035 - 1426  
State County Permit

STATE OF WEST VIRGINIA  
OFFICE OF OIL AND GAS, DEPARTMENT OF MINES  
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

PARTIAL

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

5 (i) COAL OPERATOR None

Address \_\_\_\_\_

(i) Name Fred B. Sayre & Orville Sayre  
Address 240 N. Church Street  
Ripley, WV 25271

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

Name None

Address \_\_\_\_\_

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

Name \_\_\_\_\_

Address \_\_\_\_\_

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

5 (iii) COAL LESSEE WITH DECLARATION ON RECORD:

Name None

Address \_\_\_\_\_

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JAN 26 1984  
OIL & GAS DIVISION  
DEPT. OF MINES

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

- (1) The Application to Plug and Abandon a Well on Form IV-4(B), which sets out the parties involved in the work, and describes the well and its location and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form IV-6.

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-4(B)) 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 Permit to plug and abandon a well with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to the well at the location described on the attached Application and depicted on the attached Form IV-6. Copies of this Notice, the Application, and the plat 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.

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

WELL

OPERATOR Kaiser Exploration and Mining Co.

By RALC  
Its General Manager

this 17 day of January, 19 84.  
My commission expires 8/30, 19 93.

Address P. O. Box 8  
Ravenswood, WV 26164

Telephone 304-273-5371

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



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 § 22-4-1m(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.

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and two copies of the Application must be filed with the Administrator, accompanied by (i) an original and four copies of the Notice, (ii) an original and four copies of a plat in the form prescribed by Regulation 11, and (iii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-9.

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 and 22-4-9.





1) Date: January 17, 1988  
2) Operator's Well No. KEM #1  
3) API Well No. 47 - 035 - 1426  
State County Permit

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

PARTIAL

APPLICATION FOR A PERMIT TO PLUG AND ABANDON A WELL

- 4) WELL TYPE: A Oil \_\_\_\_\_ / Gas X / Liquid injection \_\_\_\_\_ / Waste disposal \_\_\_\_\_  
B (If "Gas", Production X / Underground storage) \_\_\_\_\_ / Deep \_\_\_\_\_ Shallow X /)
- 5) LOCATION: Elevation: 730' Watershed: Isac's Run  
District: Ripley County: Jackson Quadrangle: Cottageville
- 6) WELL OPERATOR KEMCAS 7) DESIGNATED AGENT R. A. Pryce  
Address P. O. Box 2 Address Same  
Ravenswood, WV 26164
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) PLUGGING CONTRACTOR  
Name Jerry Tenhabock Name Basin Surveys/H. L. McCullough  
Address \_\_\_\_\_ Address P. O. Box 4209  
Houston, TX 77210

WORK ORDER: The work order for the manner of plugging this well is as follows:

The Oriskany Sandstone was plugged with a 3.71" OD permanent bridge plug, set in the 4 1/2" casing at 4100'. No casing pulled. The work was done May 15, 1979.

The Lower Brown Shale was plugged with a Baker Model S. permanent bridge plug set in the 4 1/2" casing @ 3730'. No casing pulled. The work was done on July 11, 1983.

VERGABE PERMISSION

09/08/2023



**INSTRUCTION TO COAL OPERATORS  
OWNERS AND LESSEE**

The well operator named on the obverse side of IV-4(b) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified (which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Mines, Office Oil & Gas).

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not represented the operator will proceed to plug and fill said well in the manner required by Section 10, Article 4, Chapter 22 of the Code and given in detail on obverse side of this application.

**NOTE:** If you wish this well to be plugged according to 22-4-10(d) then as per Regulation 17:05 you must complete and return to this office on IV-16 "Request by Coal Operator, Owner, or lessee for plugging under Code 22-4-10(d)" prior to the issuance of this plugging permit.





1) Date: January 17, 19 08  
2) Operator's Well No. KEM #1  
3) API Well No. 47 - 035 - 1420  
State County Permit

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

PARTIAL

APPLICATION FOR A PERMIT TO PLUG AND ABANDON A WELL

- 4) WELL TYPE: A Oil \_\_\_\_\_ / Gas X / Liquid injection \_\_\_\_\_ / Waste disposal \_\_\_\_\_  
B (If "Gas", Production X / Underground storage) \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow X /
- 5) LOCATION: Elevation: 730' / Watershed: Isac's Run  
District: Ripley / County: Jackson / Quadrangle: Cottageville
- 6) WELL OPERATOR KEMGAS / 7) DESIGNATED AGENT P. A. Pryce  
Address P. O. Box B / Address Same  
Ravenswood, WV 26164
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED / 9) PLUGGING CONTRACTOR  
Name Jerry Tophabock / Name Basin Surveys/W. L. McCullough  
Address \_\_\_\_\_ / Address P. O. Box 4209  
Houston, TX 77210

10) WORK ORDER: The work order for the manner of plugging this well is as follows:

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The Lower Brown Shale was plugged with a Baker Model S. permanent bridge plug set in the 4 1/2" casing @ 3780'. No casing pulled. The work was done on July 11, 1983.

VERBAL PERMISSION

The law requires a comment period for surface owners. However, the permit can be issued in less than five days from the filing of the Application to plug and abandon a well 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 Permit to Plug and Abandon a Well, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-4(A), (2) an Application for a Well Work Permit on Form IV-4(B), and (3) a survey plat on Form IV-6, all for proposed well plugging work on my surface land as described therein.

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

(For execution by corporation, partnership, etc.)

(For execution by natural persons)

NAME: \_\_\_\_\_

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

By \_\_\_\_\_

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

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

09/08/2023



**INSTRUCTIONS TO SURFACE OWNERS  
AND  
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT  
ON WELL PLUGGING PERMIT**

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well plugging. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (**NOTE:** If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

**NOTE: You are not required to file any comment at all.**

**Where to file comments and obtain additional information:**

Administrator of the Office of Oil and Gas  
West Virginia Department of Mines  
1615 Washington Street East  
Charleston, West Virginia 25311  
(304) 348-2057

**Who may file comments?** If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

**Time limits for comments.** The law requires these materials to be delivered on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments as provided in **Methods for Filing Comments** below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

**Comments must be in writing.** Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

**Methods for filing comments.** Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:  
"The proposed well work will constitute a hazard to the safety of persons; or.....  
"Damage would occur to publicly owned lands or resources; or.....  
"The proposed well work fails to protect fresh water sources or supplies."

**If you want a copy of the permit** as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

**List of Water Testing Laboratories.** The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.

Surface Owner

09/08/2023



Robert W. Killa

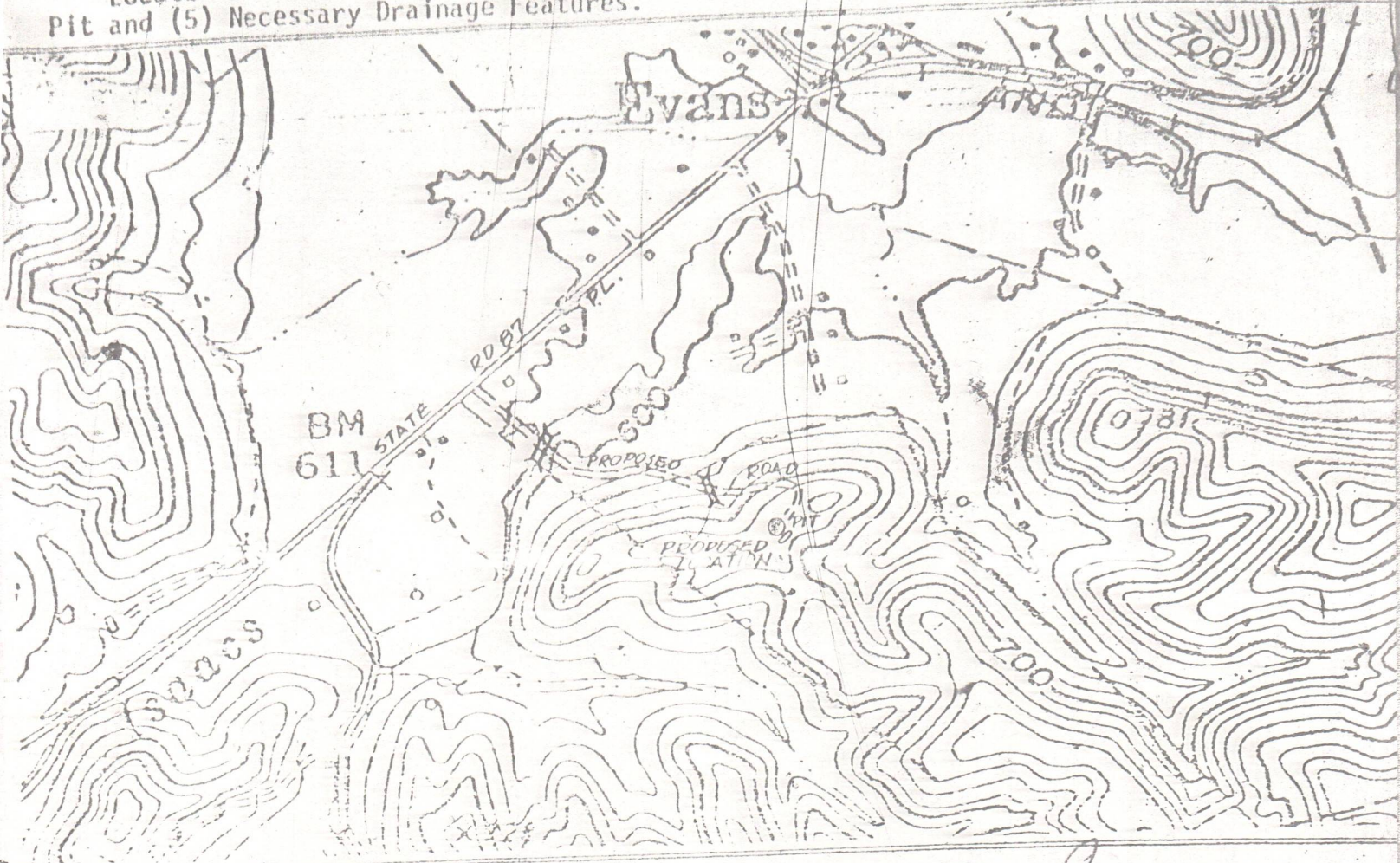
RECLAMATION PLAN

QUADRANGLE Cottageville

WELL NO.

SCALE 1 in = 500 Ft

Locate and show (1) Well Location (2) Access Road (3) Well Site (4) Drilling Pit and (5) Necessary Drainage Features.



COMPANY NAME Kaiser Exploration & Mining Company PERMIT NO. Jac-1426  
 FARM Fred B. Sayre DISTRICT Ripley COUNTY Jackson

STATEMENT OF RECLAMATION PLAN:

Construction of the gas well road is proposed to begin at the north west property line of the farm at W Va Route No 87, paralleling the property line in a south eastern direction crossing Isaacs Run where a permanent culvert will be installed, continuing to the foot of the hill, thence up the hill with an approx. 20% grade to the location site, located on top of the hill. The road and location site is in a cleared area, so no timber will be cut. A pit will be constructed on the well site and a plastic liner will be used to prevent seepage. Very little grading will be needed for the construction of the well location. Upon completion of the gas well, soon a practical, the pit will be filled and the complete well site terrain will be returned to its original grade, leaving only an access road for the operation of the well. Seeding, mulching, and fertilizing, will be used in restoring this location.

Not to scale; drawing of all roads, locations, ditches, drains, pits, silt traps, etc.

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APR - 6 1978

OIL & GAS DIVISION DEPT. OF MINES

This plan was observed and agreed upon between the well operator, contractor, and the district oil and gas inspector.

RICHARD MORRIS

09/08/2023

Please indicate ( ) "YES" if the district inspector was present.

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Submitted By: Robert A. Payne Title Operations Manager Date April 5, 1978

File



✓ IR-26  
Obverse

A=PP

INSPECTOR'S PERMIT SUMMARY FORM

WELL TYPE \_\_\_\_\_  
ELEVATION \_\_\_\_\_  
DISTRICT \_\_\_\_\_  
QUADRANGLE \_\_\_\_\_  
COUNTY Jackson

API# 47- 035 - 1426 (A)  
OPERATOR Kem Kaiser Exploration  
TELEPHONE \_\_\_\_\_  
FARM Fred Sayre  
WELL # Kem1

SURFACE OWNER \_\_\_\_\_ COMMENTS \_\_\_\_\_ TELEPHONE \_\_\_\_\_  
TARGET FORMATION \_\_\_\_\_ DATE APPLICATION RECEIVED \_\_\_\_\_  
DATE STARTED \_\_\_\_\_  
LOCATION \_\_\_\_\_ NOTIFIED \_\_\_\_\_ DRILLING COMMENCED \_\_\_\_\_

WATER DEPTHS \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
COAL DEPTHS \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

CASING

Ran \_\_\_\_\_ feet of \_\_\_\_\_ "pipe on \_\_\_\_\_ with \_\_\_\_\_ fill up  
Ran \_\_\_\_\_ feet of \_\_\_\_\_ "pipe on \_\_\_\_\_ with \_\_\_\_\_ fill up  
Ran \_\_\_\_\_ feet of \_\_\_\_\_ "pipe on \_\_\_\_\_ with \_\_\_\_\_ fill up  
Ran \_\_\_\_\_ feet of \_\_\_\_\_ "pipe on \_\_\_\_\_ with \_\_\_\_\_ fill up

TD \_\_\_\_\_ feet on \_\_\_\_\_

**RECEIVED**  
DEPARTMENT OF ENERGY  
OIL AND GAS

PLUGGING

MAR 14 1986

Type	From	To	Pipe Removed

Pit Discharge date: \_\_\_\_\_ Type \_\_\_\_\_

Field analysis                      ph \_\_\_\_\_      fe \_\_\_\_\_      cl \_\_\_\_\_

Well Record received \_\_\_\_\_

Date Released 3 12 86

*Jerry R. Tepel*  
Inspector's signature 09/08/2023



API# 47 \_\_\_\_\_ - \_\_\_\_\_

LIST ALL VISITS FOR THIS PERMIT

	DATE	TIME	PURPOSE	COMMENTS
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
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15				
16				
17				
18				
19				
20				

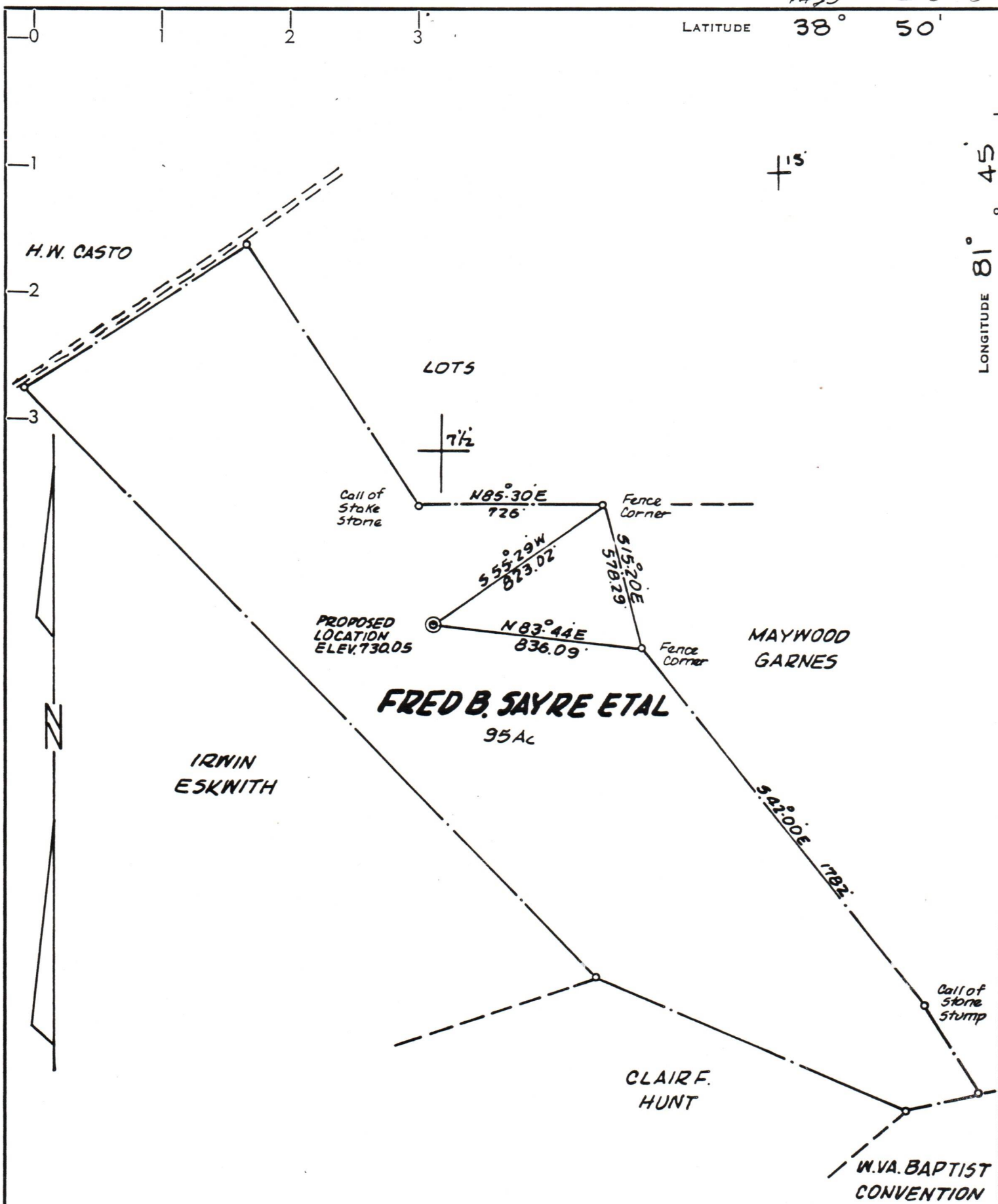
Notes



1453

LATITUDE 38° 50'

LONGITUDE 81° 45'



**CERTIFICATE**

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

Minimum degree of accuracy is one part in 200

Signed Frank H. Barber LLS#289

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

COMPANY KAISER EXPLORATION & MINING CO.  
 ADDRESS P.O. BOX 537 RIPLEY, W. VA.  
 FARM FRED B. SAYRE ETAL  
 MAP \_\_\_\_\_ ACRES 95 LEASE NO. \_\_\_\_\_  
 WELL (FARM) NO. 1 SERIAL NO. \_\_\_\_\_  
 ELEVATION (SPIRIT LEVEL) 730.05  
 QUADRANGLE COTTAGEVILLE T<sup>1</sup>/<sub>2</sub> RAVENSWOOD 15'  
 COUNTY JACKSON DISTRICT RIPLEY  
 POINT OF PROVEN ELEVATION USCG BM RD. INTERSECTION  
ON RT. 85 3000' SW. OF EVANS EL. 611  
 FILE NO. \_\_\_\_\_ DRAWING NO. \_\_\_\_\_  
 DATE APRIL 1, 1978 SCALE 1" = 500 FT.

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
 WELL LOCATION MAP  
 FILE NO. JAC-1426-PP  
 09/08/2023  
 + DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS. SCALE 1 TO 62,500. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN. **47-035**  
 - DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

4800' Oroskany

By Operations Manager  
(Title)



09/08/2023