



1) Date: August 15, 19 83
 2) Operator's Well No. KEM #410
 3) API Well No. 47 - 035 - 1899
 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: 795' Watershed: Stonelick Creek
 District: Ripley County: Jackson Quadrangle: Kenna
- 6) WELL OPERATOR Kaiser Exploration and Mining Co. 7) DESIGNATED AGENT R. A. Pryce
 Address P. O. Box 8 Address P. O. Box 8
Ravenswood, WV 26164 Ravenswood, WV 26164
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Homer Dougherty 9) DRILLING CONTRACTOR:
 Name Clint Hurt
 Address Box 3A, 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, 5020' 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		
Conductor								Kinds
Fresh water	10 3/4"			X		250	250	150 sks class A to surface
Coal								Sizes
Intermediate	7"			X		2240	2240	65 sks 50/50 pozmix
Production	4 1/2"			X		5020	5020	100 sks class A 225 sks 50/50 pozmix
Tubing								
Liners								Perforations:
								Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-035-1899 Date September 19, 1983

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

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

Permit expires September 19, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BS</u>	Agent: <u>✓</u>	Plat: <u>59</u>	Casing: <u>TS</u>	Fee: <u>964815</u>
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[Signature]
 Administrator, Office of Oil and Gas

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



OFFICE USE ONLY

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

1) WELL LOCATION: Division: 7501, District: Raleigh, County: Jackson, Township: Steamfitter Creek, Section: 10, Range: 10N, Meridian: 8W, Production: 1000 bbls/day, Gas: 100000 cu ft/day, Underground storage: No, Sealoff: No

2) WELL OPERATOR: Name: Honer, Address: Box 8, P.O. Box 8, Ravenswood, WV 26065

3) DESIGNATED AGENT: Name: [Signature], Address: [Address]

4) PROPOSED WELL WORK: Drill: X, Plug off old formation: []

5) GEOLOGICAL TARGET FORMATION: Devonian Brown Shale

6) APPROXIMATE COAL SEAM DEPTHS: []

7) APPROXIMATE TUBING DEPTHS: []

8) ESTIMATED DEPTH OF COMPLETED WELL: []

9) APPROXIMATE TUBING DEPTHS: []

10) APPROXIMATE COAL SEAM DEPTHS: []

11) IS COAL BEING MINED IN THE AREA? Yes [] No [X]

Casing or Tubing Type	Size	Class	Weight per ft.	Requisition			Photographic Intervals	Cement Plug (Crown)	Packers
				New	Used	For drilling			
Production	10 3/4"			X			5020		
Intermediate	7"			X			5240		
Coal							5240		
Fresh water	10 3/4"			X			520		
Control									

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:

Bond	Agent	Plan	Casing	Fee
[Signature]	[Signature]	[Signature]	[Signature]	[Signature]

09/08/2023



IV-9
(Rev 8-81)

DATE August 5, 1983

WELL NO. KEM #410

State of West Virginia

API NO. 47-035-1899

Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Kaiser Exploration and Mining Co DESIGNATED AGENT R. A. Pryce

Address P. O. Box 8, Ravenswood, WV

Address Same

Telephone 273-5371

Telephone _____

LANDOWNER Ronald L. Randolph, et al

SOIL CONS. DISTRICT Western

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

This plan has been reviewed by Western SCD. All corrections and additions become a part of this plan: Aug 13 1983

(Date)

Wayne W. Hughes
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Cross Drains (A)

Structure None required (1)

Spacing 135', 45'

Material _____

Page Ref. Manual 2:4

Page Ref. Manual _____

Structure Drainage Ditch (B)

Structure _____ (2)

Spacing Earthen

Material _____

Page Ref. Manual 2:12

Page Ref. Manual _____

Structure _____ (C)

Structure _____ (3)

Spacing _____

Material _____

Page Ref. Manual _____

Page Ref. Manual _____

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

REVEGETATION

OK
Treatment Area I.

Treatment Area II

Lime 4 Tons/acre
or correct to pH _____

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

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

Fertilizer _____ lbs/acre
(10-20-20 or equivalent)

Mulch Hay 2 Tons/acre

Mulch _____ Tons/acre

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

Seed* _____ lbs/acre

Kentucky 31 Fescue 16 lbs/acre

_____ lbs/acre

Red Clover 8 lbs/acre

_____ lbs/acre

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

PLAN PREPARED BY Vincent Wood 09/08/2023

ADDRESS 116 Post Avenue

Ripley, WV 25271

PHONE NO. 372-2709

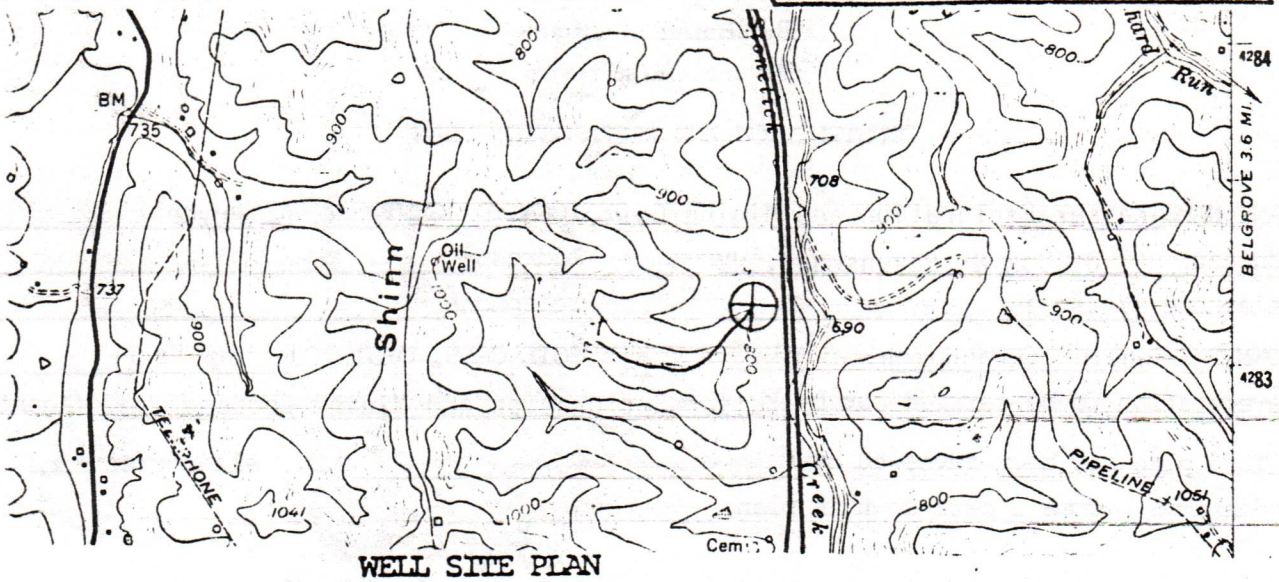
NOTES: Please request landowner's cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

ATTACH OR PHOTOCOPIY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE KEMNA

LEGEND

Well Site ⊕

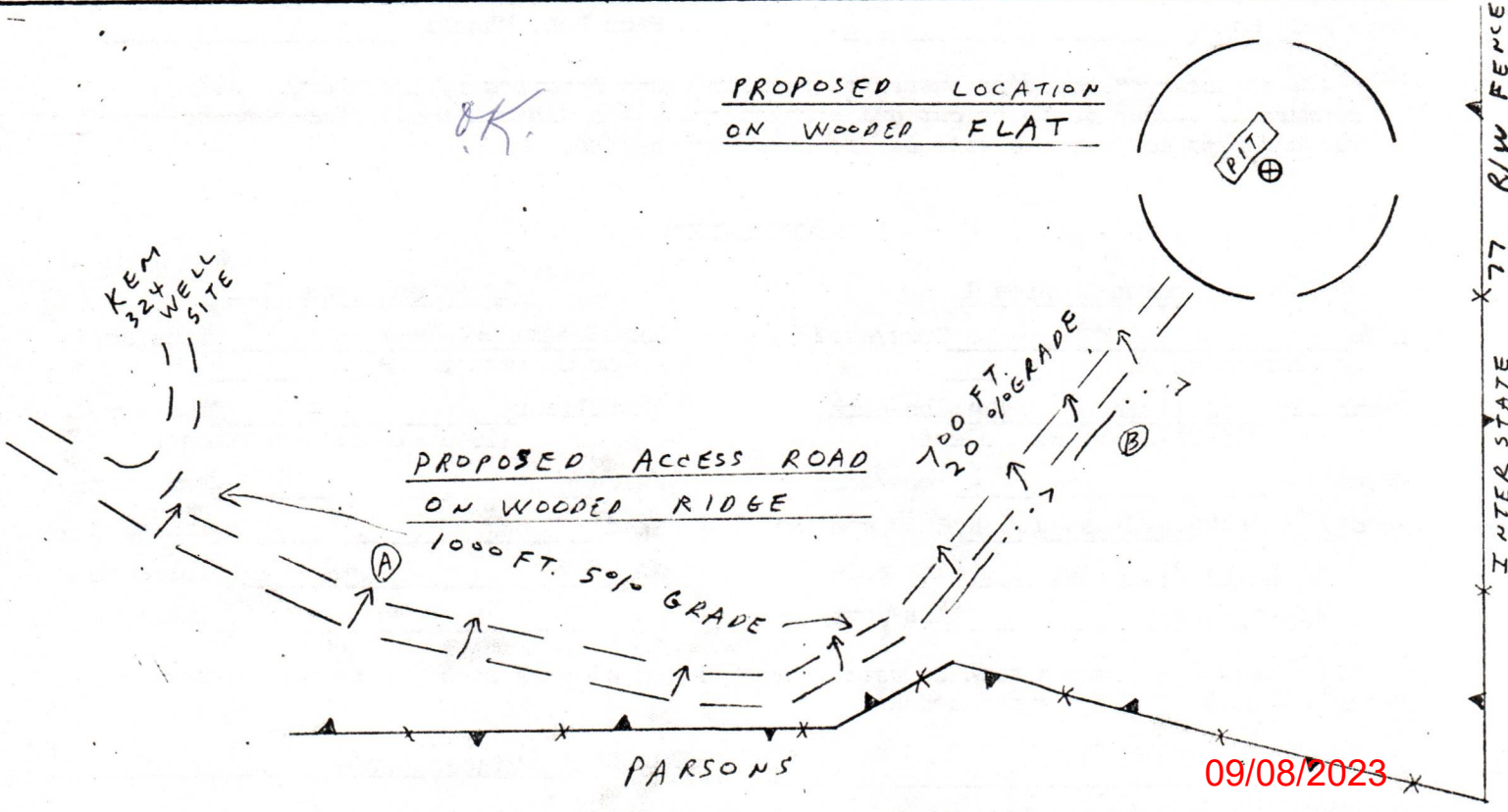
Access Road ———



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 — x — x —	Wet spot ⊕
Planned fence — / — / —	Building ■
Stream ~ ~ ~ ~ ~	Drain pipe — ○ — ○ —
Open ditch — ···· — ···· — ···· —	Waterway ⊂ = = = =



1) Date: August 15, 1983
2) Operator's Well No. KEM #410
3) API Well No. 47
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 Howard Parsons
Address _____

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

(ii) Name Gairy L. Parsons
Address Rose-Mary Heights Addition
Parkersburg, WV 26101

Name _____
Address _____

(iii) Name James Parsons
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:

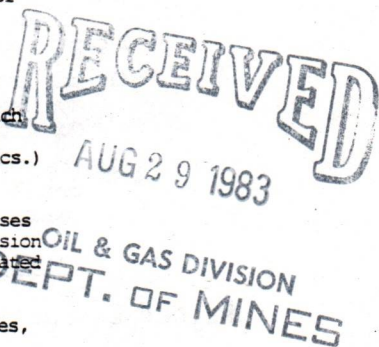
- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
- The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

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

WELL OPERATOR Kaiser Exploration and Mining Company

By R. A. Pryce
Its General Manager
Address P. O. Box 8,
Ravenswood, WV 26164
Telephone 304 273 5371

R. A. Pryce
this 16 day of August, 1983.
My commission expires 12/01, 1985.

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

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

Kaiser Exploration and Mining Co. G. A. Randolph heirs 1/8 of prevailing 173/315
field price



1) Date: August 15, 19 83
 2) Operator's Well No. KEM #410
 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 Y / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 795' Watershed: Stonelick Creek
 District: Ripley County: Jackson Quadrangle: Kenna
- 6) WELL OPERATOR: Kaiser Exploration and Mining Co. 7) DESIGNATED AGENT R. A. Pryce
 Address P. O. Box 8 Address P. O. Box 8
Ravenswood, WV 26164 Ravenswood, WV 26164r
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Homer Dougherty Name Clint Hurt
 Address Box 3A, 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, _____ feet
 13) Approximate strata depths: Fresh, 5020' 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</u>	<u>pozmix</u>
Intermediate	<u>7"</u>			<u>X</u>		<u>2240</u>	<u>2240</u>	<u>100 sks class A</u>	Depths
Production	<u>4 1/2"</u>			<u>X</u>		<u>5020</u>	<u>5020</u>	<u>225 sks 50/50</u>	<u>Depth mix</u>
Tubing									Perforations:
Liners									Top Bottom

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

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein. I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)

(For execution by natural persons)

NAME: _____
 By _____
 Its _____ Date _____

Ray L. Parsons Date: 8-15-83
 (Signature)
Howard Parrot Date: 8-24-83
 (Signature)
James L. Parsons 8-24-83
 09/08/2023
 Surface Owner

INSTRUCTIONS TO SURFACE OWNERS
AND
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT
ON OIL AND GAS WELL WORK 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 drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (NOTE: If on 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 **FIFTEEN (15) 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:

- "(1) The proposed well work will constitute a hazard to the safety of persons; or
- "(2) The plan for soil erosion and sediment control is not adequate or effective; or
- "(3) Damage would occur to publicly owned lands or resources; or
- "(4) 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.

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. 410 located in Ripley District, JACKSON County, West Virginia, upon the person or organization named--

HOWARD PARSONS

--by delivering the same in KANAWHA County, State of WEST VIRGINIA on the 24th day of AUGUST, 1983 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

- Handing it to him / her / or, because he / she refused to take it when I offered it, by leaving it in his / her presence.
- Handing it to a member of his or her family above the age of 16 years named _____ 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 _____.

[Signature]
(Signature of person executing service)

Taken, subscribed and sworn before me this 25 day of August, 1983.
My commission expires OCT 16, 1983

Stephen Kelly
Notary Public

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)

09/08/2023

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. 410 located in Ripley District, JACKSON County, West Virginia, upon the person or organization named--

James L. Parsons

--by delivering the same in JACKSON County, State of West Virginia on the 17th day of August, 1983 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

- Handing it to him / her / or, because he / she / refused to take it when I offered it, by leaving it in his / her / presence.
- Handing it to a member of his or her family above the age of 16 years named _____ 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 _____.

[Signature]
(Signature of person executing service)

Taken, subscribed and sworn before me this 25 day of August, 1983.
My commission expires OCT 16, 1983.

Stepha Kelly
Notary Public

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)

09/08/2023

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

GARY L. PARSONS

--by delivering the same in Wood County, State of West Virginia on the 17th day of August, 1983 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

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

[] Handing it to a member of his or her family above the age of 16 years named _____ 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 _____.

[Signature]
(Signature of person executing service)

Taken, subscribed and sworn before me this 25 day of August, 1983.
My commission expires OCT 16, 1983.

Steph Kelly
Notary Public

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)

09/08/2023

RECEIVED
DEC 12 1984

OIL & GAS DIVISION
DEPT. OF MINES



IV-35
(Rev 8-81)

Date October 15, 1984
Operator's KEM 410 Randolph
Well No. Randolph
Farm Randolph
API No. 47 - 035 - 1899

State of West Virginia
Department of Mines
Oil and Gas Division

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

CONFIDENTIAL

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

LOCATION: Elevation: 795' Watershed Stone Lick Creek
District: Ripley County Jackson Quadrangle Kenna

COMPANY Kaiser Exploration & Mining Company

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

DESIGNATED AGENT R.A. Pryce

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

SURFACE OWNER G.A. Randolph Heirs

ADDRESS _____

MINERAL RIGHTS OWNER G.A. Randolph

ADDRESS _____

OIL AND GAS INSPECTOR FOR THIS WORK Jerry

Tephabuck ADDRESS Ripley, WV 26164

PERMIT ISSUED _____

DRILLING COMMENCED 9-11-84

DRILLING COMPLETED 9-18-84

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

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
10 3/4 - 13-10"	636	636	275 sks Class A
9 5/8			
8 5/8			
7	2205	2205	150 sks 50/50 pozmix
5 1/2			100sk class A
4 1/2	4303	4303	225 sks
3			50/50 pozmix
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Brown Shale Depth 4350 feet

Depth of completed well 4350 feet Rotary X / Cable Tools _____

Water strata depth: Fresh NA feet; Salt NA feet

Coal seam depths: NA Is coal being mined in the area? No

Drilled on fluid; not known

OPEN FLOW DATA

Producing formation Devonian Brown Shale Pay zone depth 4310 feet

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

* Final open flow 696 Mcf/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 950 psig (surface measurement) after 72 hours shut in

(If applicable due to multiple completion--)

Second producing formation Berea Sandstone Pay zone depth 2462 feet

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

* Final open flow - Mcf/d Oil: Final open flow 0 Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 850 psig (surface measurement) after 72 hours shut in

* Open flows are commingled

(Continue on reverse side)

09/08/2023

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

- 9-19-84 Young perf shale 20 holes (0.39" dia) from 3993-4285
- 9-19-84 Young perf berea 24 holes (0.39" dia) from 2458-2460
- 9-20-84 NOWSCO foam frac shale. used: 60,000 lbs 20/40 sand; 656,000 scf N₂; 266 bbls total fluid. Dropped 3 3/4" frac ball.
- 9-20-84 NOWSCO foam frac berea. Used: 60,000 lbs 20/40 sand; 678,750 scf N₂; 281 bbls total fluid.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
The following are drillers' depths; (top hole not logged)					
Sand and shale			0	1847	
Big Lime			1847	1971	
Big Injun			1971	2045	
Shale			2045	2446	
Loggers' Depths:					
Coffee shale			2446	2462	
Berea Sand			2462	2470	S/G
Shale			2470	3699	S/G@3330
Brown Shale			3699	4303	S/G @ 4128
Shale			4303	4388	
Total Depth			4388		

(Attach separate sheets as necessary)

Kaiser Exploration and Mining Company
Well Operator

By: R. A. P.
Date: October 15, 1984

09/08/2023

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

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OIL & GAS DIVISION
 DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 035 1899

Oil or Gas Well _____
 (KIND)

Company <u>Kaiser Exploration</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Dawkins</u>	16			Kind of Packer _____
Well No. <u>Kem 410</u>	13			
District _____ County <u>Jackson</u>	10			Size of _____
Drilling commenced <u>9 12 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:

Ran 15 jts 103/4 csg set 646 kb Noscoe cement 275 sks neat 3% cacl 1/4 lb per sk flocele plug down 2:30 pm.

9 13 84
 DATE

James 09/08/2023

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

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SEP 25 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES
Oil or Gas Well _____
(KIND)

Permit No. 035 1899

Company <u>Kaiser Exploration</u> Address _____ Farm <u>Randolph</u> Well No. <u>Kem 410</u> District _____ County <u>Jackson</u> Drilling commenced _____ Drilling completed _____ Total depth _____ Date shot _____ Depth of shot _____ Initial open flow _____ /10ths Water in _____ Inch Open flow after tubing _____ /10ths Merc. in _____ Inch Volume _____ Cu. Ft. Rock pressure _____ lbs. _____ hrs. Oil _____ bbls., 1st 24 hrs. Fresh water _____ feet _____ feet Salt water _____ feet _____ feet	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Size			Kind of Packer
	16			
	13			
	10			Size of _____
	8 1/4			
	6 3/8			Depth set _____
	5 3/16			
	3			Perf. top _____
	2			Perf. bottom _____
	Liners Used			Perf. top _____ Perf. bottom _____
CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____ NAME OF SERVICE COMPANY _____ COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES _____ FEET _____ INCHES FEET _____ INCHES _____ FEET _____ INCHES FEET _____ INCHES				

Drillers' Names _____

Hurt Rig No 2

Remarks:

Td 2245 9 1/2 hole ran 55 jts 7" csg set 2215 Kb Noscoe.cement 150 sks 50/50
poz 10 salat 1/4 lb per sk flocele and 100 sks neat 3% cacl 1/4 lb per sk flocele
plug down 12:15 pm 9 15 84.

9 17 84

DATE

John T. ...
09/08/2023

INSPECTOR

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

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SEP 25 1984
OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 035 1899

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 410</u>	13			Size of _____
District _____ County <u>Jackson</u>	10			Depth set _____
Drilling commenced _____	8 1/4			
Drilling completed <u>9 17 84</u> Total depth <u>4350</u>	6 5/8			Perf. top _____
Date shot _____ Depth of shot _____	5 3/16			Perf. bottom _____
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			
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 _____

Huert Rig #2

Remarks:

Ran 108 jts 4 1/2 csg set 4313 Noscoe cemented with 225 sks of 50/50 poz
10% salt 12.5 lb per sk gilsonite plug down 2:15 am 9 18 84.

moving to Kem 324 035 1898.

9 18 84

DATE

John T. ...
09/08/2023

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

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DEC 18 1984

OIL & GAS DIVISION

DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 035 1899

Oil or Gas Well _____
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>Kaiser Exploration</u>	Size			
Address _____	16			Kind of Packer _____
Farm <u>Randolph</u>	13			
Well No. <u>Ken 410</u>	10			Size of _____
District _____ County <u>Jackson</u>	8 1/4			
Drilling commenced _____	6 3/8			Depth set _____
Drilling completed _____ Total depth _____	5 3/16			
Date shot _____ Depth of shot _____	3			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used			Perf. top _____
Volume _____ Cu. Ft.				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:

smoothed ready for seed and mulch, etc. in spring.

12 13 84

DATE

George F. ...
DISTRICT WELL INSPECTOR
09/08/2023

IV-20
Obverse
1-84

12-Dec-84

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

RECEIVED
JUN 17 1985
OIL & GAS DIVISION
DEPT. OF MINES

Company: KAISER EXP & MIN. CO
Farm: RANDOLPH, G. A. KEM-410 Well:

Permit No. 47- 35-1899
County: JACKSON

Rule	Description	In Compliance	
		Yes	No
23.06	Notification prior to starting work	X	
25.04	Prepared before drilling to prevent waste		
25.03	High pressure drilling		
16.01	Required permits at wellsite	X	
15.03	Adequate Fresh Water Casings	X	
15.02	Adequate Coal Casings	X	
15.01	Adequate Production Casings	X	
15.04	Adequate Cement Strength	X	
15.05	Cement Type	X	
23.02	Maintained Access Roads	X	
25.01	Necessary Equipment to Prevent Waste	X	
23.04	Reclaimed Drillings Pits	X	
23.05	No Surface or Underground Pollution	X	
23.07	Requirements for Production & Gathering Pipelines	X	
16.01	Well Records on Site		
16.02	Well Records Filed		
7.05	Identification Markings	X	

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

SIGNED James T. Tebbaloh
DATE 6/7/85

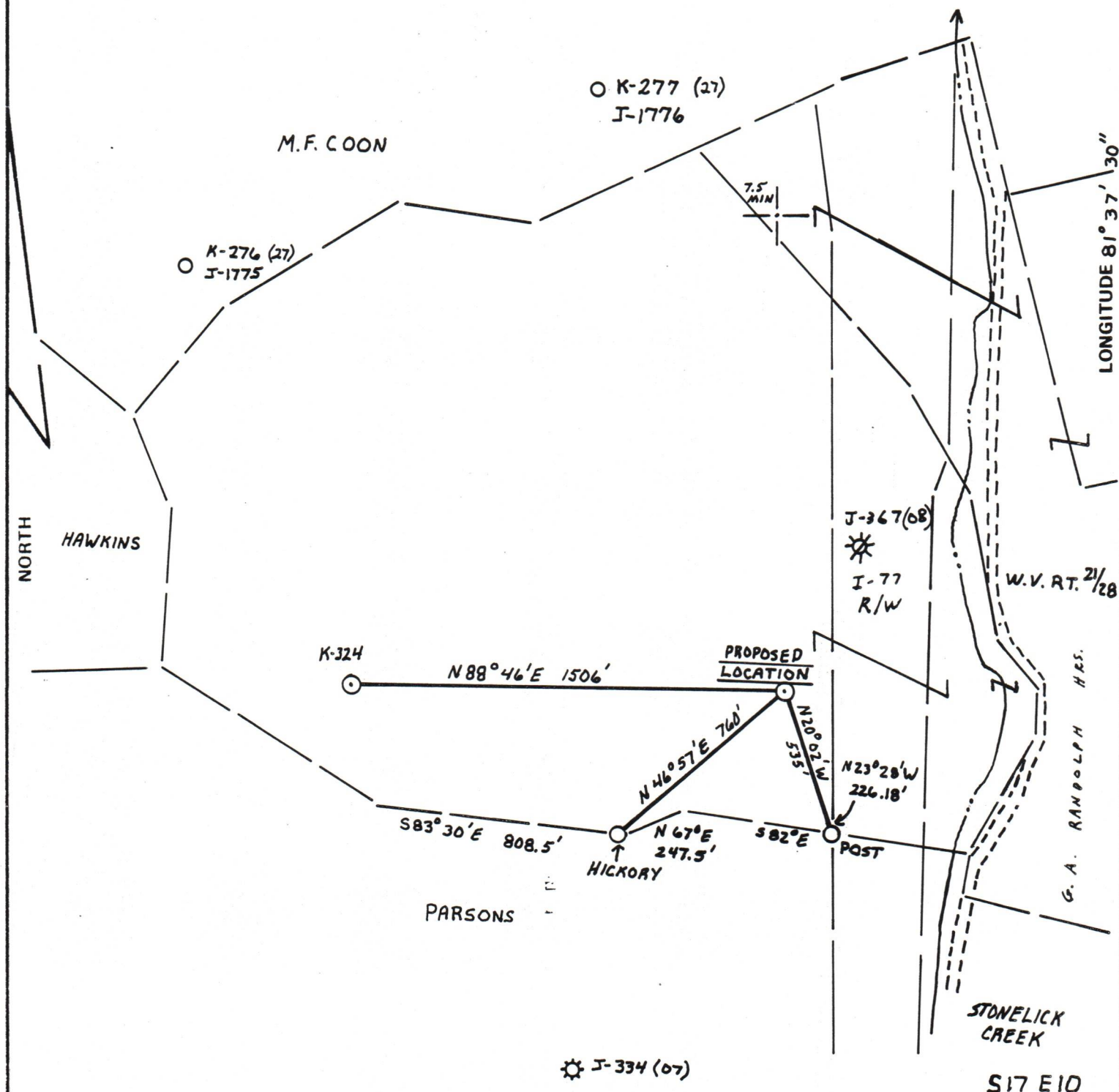
Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

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

June 19, 1985
Date

LATITUDE 38°42'30"

LONGITUDE 81°37'30"



S17 E10

FILE NO. 6-49
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION SPOT ELEV. = 690', 850' EAST OF LOCATION

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE 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 4, 19 83
 OPERATOR'S WELL NO. KEM 410
 API WELL NO. _____
47 - 035 - 1899
 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 795' WATER SHED STONELICK CREEK
 DISTRICT RIPLEY COUNTY JACKSON
 QUADRANGLE KENNA

SURFACE OWNER G.A. RANDOLPH HEIRS ACREAGE 115.03
 OIL & GAS ROYALTY OWNER G.A. RANDOLPH HEIRS LEASE ACREAGE 115.03
 LEASE NO. 86-07-2075

09/08/2023

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

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION DEVONIAN BROWN SHALE ESTIMATED DEPTH 5070'
 WELL OPERATOR KAISER EXPLOR. & MIN. CO. DESIGNATED AGENT KAISER EXPLORATION AND MINING CO.
 ADDRESS P.O. BOX 8 ADDRESS P.O. BOX 8

FORM IV-6 (8-78)