



1) Date: August 26, 19 83
 2) Operator's Well No. KEM #447
 3) API Well No. 47 - 035 - 1897
 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 /
 B (If "Gas", Production / Underground storage / Deep / Shallow /)
- 5) LOCATION: Elevation: 753' Watershed: Mill Creek
 District: Ripley County: Jackson Quadrangle: Ripley
- 6) WELL OPERATOR Kaiser Exploration and Mining Co. 7) DESIGNATED AGENT R. A. Pryce
 Address P. O. Box 8 Address Same
Ravenswood, WV 26164
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Homer Dougherty
 Address Linden Rt., Box 3A
Looneyville, WV
- 9) DRILLING CONTRACTOR: Name Clint Hurt
 Address P. O. Box 388
Elkview, WV
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Devonian Brown Shale
- 12) Estimated depth of completed well, 4973 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

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OIL & GAS DIVISION
 DEPT. OF MINES

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	10 3/4			X		250	250	150 sks class A to surface	Sizes
Coal								100 sks class A	Depths set
Intermediate	7			X		2190	2190	65 sks 50/50 pozmix	
Production	4 1/2"			X		4973	4973	225 sks 50/50 pozmix	
Tubing									Perforations:
Liners									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-035-1897 Date September 14, 19 83

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

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

Permit expires September 14, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent: <u>ll</u>	Plat:	Casing:	Fee: <u>964</u> <u>919</u>
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BLANKET BOND

[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: B (H) Gas, Production, Underground strata, Deep, Shallow, 753, Washed, Will Creek, Jackson, R. A. Pryce, Designated Agent, R. A. Pryce, 2003

2) WELL OPERATOR: Name: Homer Loughery, Address: Linden Rd., Box 24, Loperville, WV, 26044

3) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: Homer Loughery, Address: Linden Rd., Box 24, Loperville, WV, 26044

4) PROPOSED WELL WORK: Drill, A Dill, deeper, Part of old formation, Part of new formation, Other physical change in well (specify): Devonian Brown Shale

5) GEOLOGICAL TARGET FORMATION: Devonian Brown Shale

6) ESTIMATED DEPTH OF COMPLETED WELL: 4275

7) APPROXIMATE COAL SEAM DEPTH: 100

8) APPROXIMATE COAL SEAM DEPTH: 100

9) CASING ANTI-TUBING PROGRAM: 100

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 DEPT. OF MINES
 OIL & GAS DIVISION
 2003

Casing or Tubing Type	Depth (ft)	Material	Weight (lb/ft)	Perforations	Perforations		Remarks
					Start	End	
Production	100	100	100	X			100
Intermediate	100	100	100	X			100
Case	100	100	100	X			100
Flow water	100	100	100	X			100
Conductor	100	100	100	X			100

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: _____

09/08/2003



IV-9
(Rev 8-81)

DATE August 23, 1983

WELL NO. KEM #447

State of West Virginia API NO. 47-035-1897

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 Otie Lineberry

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 23 1983

(Date)

Wayne W. Hughes
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Drainage Ditch (A)

Structure Diversion Ditch (1)

Spacing Earthen

Material Earthen

Page Ref. Manual 2:12

Page Ref. Manual 2:12

Structure Cross Drains (B)

Structure _____ (2)

Spacing 60', 135', 80'

Material _____

Page Ref. Manual 2:4

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

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% Rydbs 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.

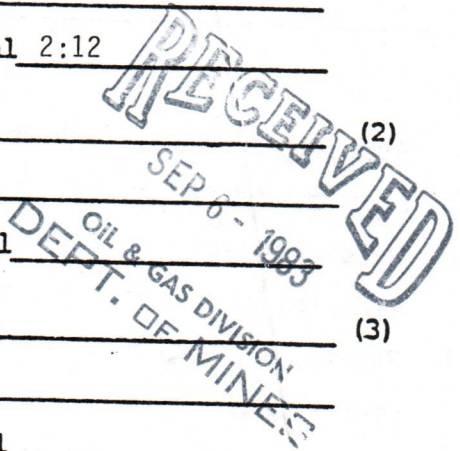
PLAN PREPARED BY Vincent Wood 09/08/2023

ADDRESS 116 Ppost 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.

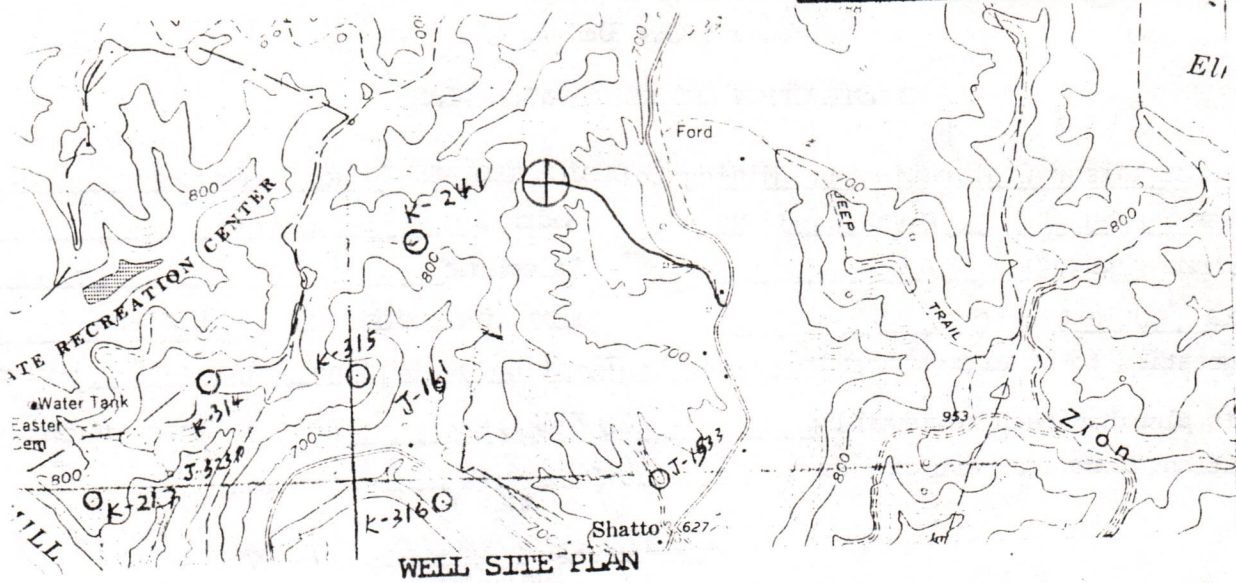


ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE RIPLEY

LEGEND

Well Site ⊕

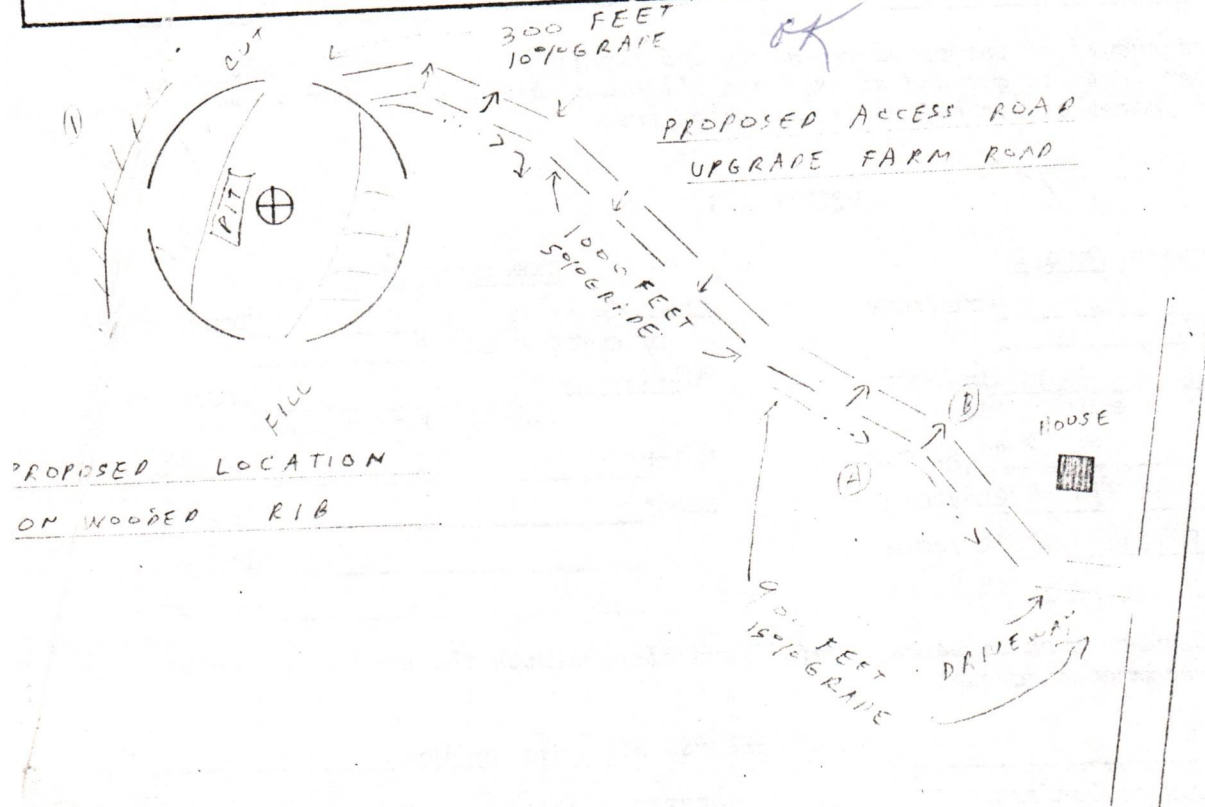
Access Road ———



Sketch to include well location, existing access road, roads to be constructed, well site, 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 — x — x —	Wet spot	⊕
Planned fence	— / — / — / — / —	Building	■
Stream	~ ~ ~ ~ ~	Drain pipe	○ —→ ○ —→ ○ —→
Open ditch	— ···· — ···· — ···· — ···· —	Waterway	← == == == ==



09/08/2023



1) Date: August 26, 19 83
 2) Operator's Well No. KEM #447
 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

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Ravenswood, WV 26164
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Homer Dougherty Name Clint Hurt
 Address Linden Rt., Box 3A4 Address P. O. Box 388
Looneyville, WV Elkview, WV
 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate
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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>			<input checked="" type="checkbox"/>		<u>250</u>	<u>250</u>	<u>150 sks class A</u>	<u>A to surface</u>
Coal									Sizes
Intermediate	<u>7</u>			<input checked="" type="checkbox"/>		<u>2190</u>	<u>2190</u>	<u>100 sks class A</u>	
Production	<u>4 1/2"</u>			<input checked="" type="checkbox"/>		<u>4973</u>	<u>4973</u>	<u>65 sks 50/50 pozmix</u>	Depths set
Tubing								<u>225 sks 50/50 pozmix</u>	
Liners									Perforations:
									Top Bottom

RECEIVED
 SEP 6 - 1983

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.)

NAME: _____
 By _____
 Its _____ Date _____

(For execution by natural persons)

Guy Dewright Date: 8-31-83
 (Signature)
 _____ Date: _____
 (Signature)

AFFIDAVIT OF PERSONAL SERVICE ON SURFACE OWNER

RECEIVED
OIL & GAS DIVISION
DEPT. OF MINES
SEP 6 - 1983

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) / Form IV-3(A) / Form IV-4(A)
- (2) Application on Form IV-2(B) / Form IV-3(B) / Form IV-4(B)
- (3) Plat showing the well location on Form IV-6, and
- (4) Construction and Reclamation Plan on Form IV-9 (unless the application is to plug a well)

--all with respect to operator's Well No. Kem 447 located in Ripley District, Jackson County, West Virginia, upon the person or organization named--

Guy D. Wright

--by delivering the same in Jackson County, State of West Va. on the 31 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 _____.

Steph Kelly
(Signature of person executing service)

Taken, subscribed and sworn before me this 2 day of Sept, 1983.
My commission expires December 2, 1990.

William K Shen
Notary Public

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)

09/08/2023

1) Date: August 26, 1983
2) Operator's Well No. KEM #447
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 Guy D. Wright
Address Rt. 4, Box 75
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

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

R. A. Pryce
this 30 day of August, 1983.
My commission expires 12/01, 1985.

Faith 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:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book Page</u>
Chester Board	Kaiser Exploration and Mining Company	1/8 of prevailing field price	179/80

RECEIVED

IV-35
(Rev 8-81)

JAN 26 1984

OIL & GAS DIVISION
DEPT. OF MINES



State of West Virginia
Department of Mines
Oil and Gas Division

Date 11/10/83
Operator's
Well No. KEM-447
Farm Chester Board & al
API No. 47 - 035 - 1897

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

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

LOCATION: Elevation: 753' Watershed Mill Creek
District: Ripley County Jackson Quadrangle Ripley

COMPANY KEMGAS

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

DESIGNATED AGENT Same

ADDRESS Same

SURFACE OWNER Guy Wright et al

ADDRESS Rt. 4, Box 75, Ripley, WV 25271

MINERAL RIGHTS OWNER Chester Board & al

ADDRESS N/A

OIL AND GAS INSPECTOR FOR THIS WORK J.

Tephabock ADDRESS Ripley, WV 25271

PERMIT ISSUED _____

DRILLING COMMENCED 10/3/83

DRILLING COMPLETED 10/9/83

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" 3/4	258'	258'	175 sks Class A to surface
9 5/8			
8 5/8			
7	2200'	2200'	175 sks pozmix 100 sks Class A
5 1/2			
4 1/2		4313'	225 sks pozmix
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Brown Shale Depth 4973 feet

Depth of completed well 4324 feet Rotary x / Cable Tools _____

Water strata depth: Fresh N/A feet; Salt N/A feet

Coal seam depths: None Is coal being mined in the area? No
Drilled on fluid - not known

OPEN FLOW DATA

Producing formation Brown Shale Pay zone depth 3705 feet

Gas: Initial open flow None Mcf/d Oil: Initial open flow N/A Bbl/d

Final open flow 425 comingled Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests 4 hours through 4 1/2" casing

Static rock pressure 975 psig (surface measurement) after 36 hours shut in

(If applicable due to multiple completion--)

Second producing formation Berea Pay zone depth 2448 feet

Gas: Initial open flow None Mcf/d Oil: Initial open flow N/A Bbl/d

Final open flow 425 comingled Mcf/d Oil: Final open flow _____ Bbl/d

Time of open flow between initial and final tests 4 hours through 4 1/2" casing

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

(Continue on reverse side)

JACK 1897

09/08/2023

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

- 10/13/83 - Young's wireline perforated Brown Shale from 4023' - 4259', 20 holes.
- 10/17/83 - Young's wireline perforated Brown Shale from 3705' - 3908', 20 holes; perforated Berea Sandstone from 2448'-2454' (KB), 18 holes, (all .41" diameter).
- 10/17/83 - 3 stage foam fac with BJ Hughes; 60,000#, 20/40 sand each stage; 40 BPM rate in Shale; 16 BPM rate in Berea; used total of 807 bbl of water; 1929 MSCF of nitrogen; 180,000# 20/40 sand; maximum pressure was 2600 psig; ISIP (3rd Stage) was 1540 psig; well blown back through 1/4" 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
Shale			0	274	
Sandstone and Shale			274	1662	
Limestone			1662	1966	
Sandstone and Shale			1966	2080	
Shale			2080	2432	
Coffee Shale			2432	2451	
Berea Sandstone			2451	2459	slight s/o
Shale			2459	3700	
Brown Shale			3700	4268	
Shale			4268	4332	TD

(Attach separate sheets as necessary)

KAISER EXPLORATION AND MINING COMPANY

Well Operator

By: *Kalle A. P.* 09/08/2023

Date: November 14, 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."

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

RECEIVED

OCT 12 1983

INSPECTOR'S WELL REPORT

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

Permit No. 035 1897

Company <u>Kaiser Exploration + Mining</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Board</u>	16			Kind of Packer _____
Well No. _____	13			
District _____ County <u>JACKSON</u>	10 <u>10 3/4</u>	<u>248"</u>		Size of _____
Drilling commenced <u>10383</u>	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.				
Fresh water _____ feet _____ feet				
Salt water _____ feet _____ feet				

CASING CEMENTED ^{10 3/4} ~~12 1/4~~ SIZE 248 No. FT. 10/3/83 Date

NAME OF SERVICE COMPANY Halliburton

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names S Tarcher Hunt ~~Boyd~~ Rig #4

Remarks: 10383 248' 10 3/4" pipe Cemented To Surface 175 Sacks Class A
Plug Down 11:30 pm 10383
10583 Pulling on fluid at 1435' 9 5/8 B.T.

10 5 83
DATE

Jerry T. Tolbert
09/08/2023
DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

RECEIVED

OCT 12 1983

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner	Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

_____ I hereby certify I visited the above well on this date.
DATE

09/08/2023
DISTRICT WELL INSPECTOR

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

INSPECTOR'S WELL REPORT

Permit No. 035 1897

Oil or Gas Well _____
(KIND)

Company <u>Kaiser Exploration</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			Kind of Packer _____
Farm <u>Sallaz</u>	16			
Well No. <u>Kem 443</u>	13			Size of _____
District _____ County <u>Jackson</u>	10			
Drilling commenced _____	8 1/4			Depth set _____
Drilling completed _____ Total depth _____	6 5/8			
Date shot _____ Depth of shot _____	5 3/16			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	3			
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks: _____

Ran 133 jts 23/8 tubing set at 4302 KB packer set at 2565 KB to separate shal and Berea.

6 11 84

DATE

[Signature] 09/08/2023

Form 26
2/16/82

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location			Amount			Packer			Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING								
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST						

Drillers' Names _____

Remarks: _____

_____ I hereby certify I visited the above well on this date.
DATE

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
February 8, 1984

COMPANY Kaiser Exploration & Mining Co. PERMIT NO 035-1897 9/83
P. O. Box 8 FARM & WELL NO Chester Board KEM-447
Ravenswood, West Virginia 26164 DIST. & COUNTY Ripley/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 *George Tephah*
DATE 7 20 84

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

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

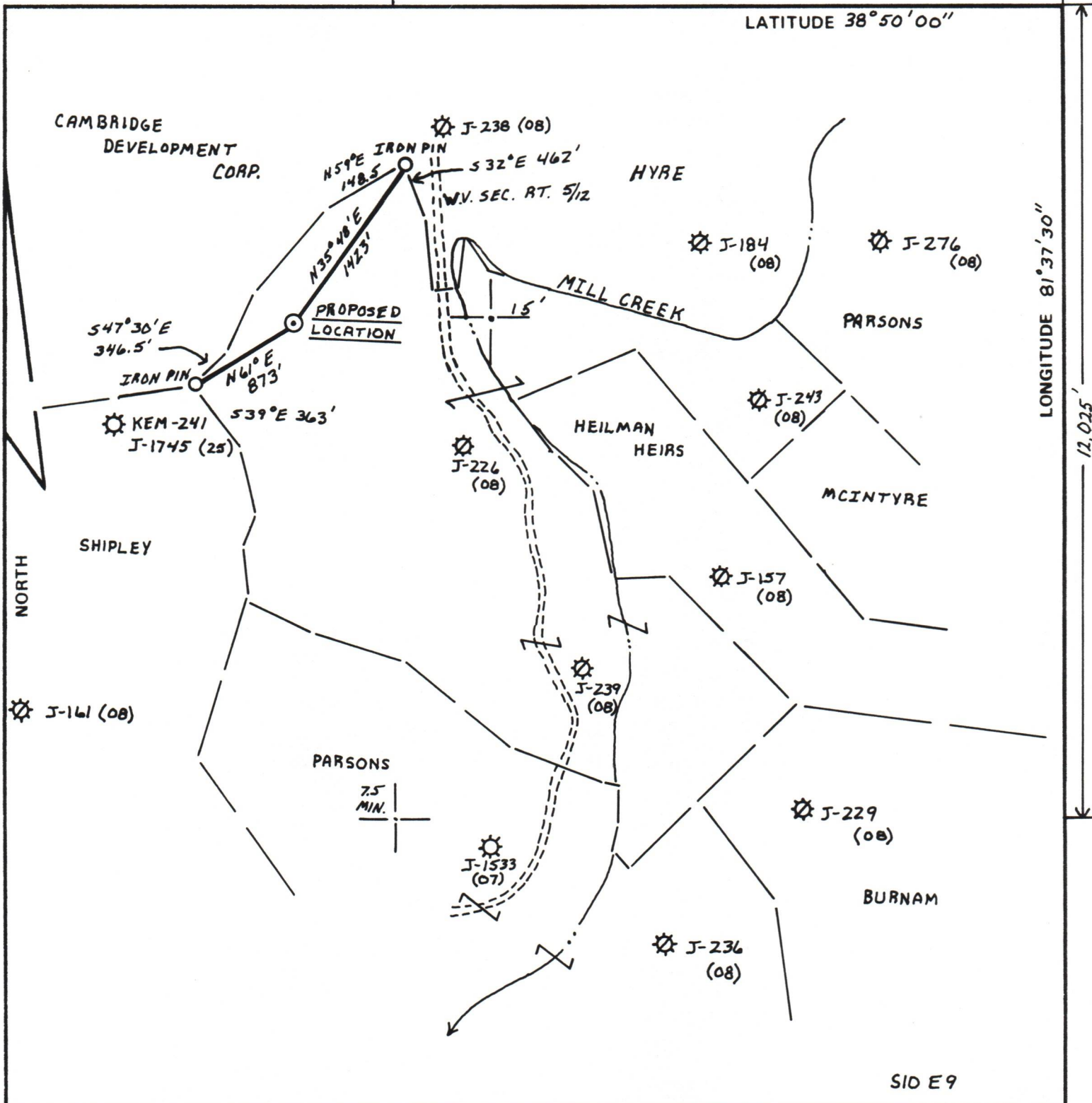
July 27, 1984
DATE

LATITUDE 38° 50' 00"

9850

LONGITUDE 81° 37' 30"

12,025'



SID E 9

FILE NO. 6-54
 DRAWING NO. REV. NO. 1
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION J-1745 ELEV.=880', 1510' S.W. 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 31, 19 83
 OPERATOR'S WELL NO. KEM 447 REV.
 API WELL NO. 47-035-1897
 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 753' WATER SHED MILL CREEK
 DISTRICT RIPLEY COUNTY JACKSON
 QUADRANGLE RIPLEY
 SURFACE OWNER GUY D. WRIGHT, ET. AL. ACREAGE 163.36
 OIL & GAS ROYALTY OWNER CHESTER BOARD, ET. AL. LEASE ACREAGE 252 09/08/2023
 LEASE NO. 85-05-2793
 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 4973'
 WELL OPERATOR HAISER EXPLORATION & MIN. CO. DESIGNATED AGENT HAISER EXPLORATION AND MINING CO.
 ADDRESS P.O. BOX B ADDRESS P.O. BOX B
RAVENSWOOD, WV. 26164 RAVENSWOOD, WV. 26164

FORM IV-6 (8-78)

JACK, 1897