



1) Date: August 7, 19 85  
2) Operator's Well No. KEM #653  
3) API Well No. 47 -107-1380  
State County Permit

RECEIVED  
AUG 12 1985

STATE OF WEST VIRGINIA

DIVISION OF OIL & DEPARTMENT OF ENERGY, OIL AND GAS DIVISION  
DEPARTMENT OF ENERGY APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil  / Gas   
B (If "Gas", Production  / Underground storage  / Deep  / Shallow )
- 5) LOCATION: Elevation: 637' Watershed: Middle Fork of Lee Creek  
District: Harris 2 County: Wood Quadrangle: Lubeck 449
- 6) WELL OPERATOR Kaiser Exploration and Mining Company CODE: 25330 7) DESIGNATED AGENT R. A. Pryce  
Address P. O. Box 8 Ravenswood, WV 26164 Address Same
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Glen Robinson Address Rt. 1, #6 Mineral Wells, 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, Berea Sandstone
- 12) Estimated depth of completed well, 1979' feet
- 13) Approximate strata depths: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.
- 14) Approximate coal seam depths: \_\_\_\_\_ Is coal being mined in the area? Yes \_\_\_\_\_ / No
- 15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	7"					250	250	100 sks class A to surface	Sizes
Coal									
Intermediate									
Production	4 1/2"					1979	1979	180 sks class A to surface	Perforations: Top Bottom
Tubing									
Liners									

NOTE CONDITIONING OF ROAD ON CONSTRUCTION AND RECLAMATION PLAN

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-107-1380

October 1 19 85  
Date

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

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

Permit expires October 1, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent: <i>AB</i>	Plat: <i>mx</i>	Casing: <i>mx</i>	Fee: <i>968989</i> <i>968994</i>	WPCP: <input checked="" type="checkbox"/>	S&E: <input checked="" type="checkbox"/>	Other:
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NOTE: Keep one copy of this permit posted at the drilling location.

*K. Gauth*  
Director, Division of Oil and Gas

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

File



OFFICE USE ONLY

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

WELL TYPE: A  B  C  D  E  F  G  H  I  J  K  L  M  N  O  P  Q  R  S  T  U  V  W  X  Y  Z

LOCATION: Middle Fork of Lee Creek  
 County: Wayne  
 District: Woods  
 Well Operator: W. A. Pryce  
 Designated Agent: R. A. Pryce  
 Address: 2546

Drilling Contractor: Clint Hurd  
 Name: Clint Hurd  
 Address: P.O. Box 388  
Elkview, WV

Proposed Well Work:  Drill  Plug off old formation  Form new formation  Other physical change in well (specify): Set sandstone

Geological Target Formation: Set sandstone  
 Estimated depth of completed well: 1078'  
 Approximate true vertical depth: 1078'  
 Approximate coal seam depth: 1078'

OFFICE USE ONLY

This part of Form WW-2(B) is to record the dates of certain occurrences and any follow-up inspections.

Date	Date(s)

Application received \_\_\_\_\_ Follow-up inspection(s) \_\_\_\_\_

Well work started \_\_\_\_\_ " " \_\_\_\_\_

Completion of the drilling process \_\_\_\_\_ " " \_\_\_\_\_

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

Reclamation completed \_\_\_\_\_ " " \_\_\_\_\_

OTHER INSPECTIONS

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

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

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

1) Date: August 7, 1985  
Operator's  
2) Well No. KFM #653  
3) API Well No. 47 - 107 - 1380  
State County Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

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

(i) Name David D. Steele  
Address Rt. 2  
Belleville, WV  
(ii) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(iii) Name \_\_\_\_\_  
Address \_\_\_\_\_

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

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

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

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

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

- (1) The Application for a Well Work Permit on Form WW-2(B) 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 WW-6, and
- (3) The Construction and Reclamation Plan on Form WW-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 WW-2(B) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22B 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 Director of the Division of Oil and Gas, with respect to a well at the location described on attached Application and depicted on attached Form WW-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 Director of the Division of Oil and Gas.

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

RECEIVED  
AUG 12 1985

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 22B-1-8(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? ~~XXX~~ No

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

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

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

this 7 day of August, 1985,  
My commission expires 8/30, 1993.

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

WELL OPERATOR KAISER EXPLORATION AND MINING COMPANY

By RAP  
Its General Manager  
Address P. O. Box 8  
Ravenswood, WV 26164  
Telephone \_\_\_\_\_



WW-9



DATE August 5, 1985  
WELL NO. KEM 653  
API NO. 47-107-1380

**RECEIVED**  
AUG 12 1985  
DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

State of West Virginia  
Department of ENERGY  
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Kaiser Exploration & Mining Co. DESIGNATED AGENT R. A. Pryce  
Address P. O. Box 8, Ravenswood, WV 26164 Address Same  
Telephone (304) 273-5371 Telephone Same  
LANDOWNER David Steele SOIL CONS. DISTRICT Little Kanawha  
Revegetation to be carried out by Kaiser Exploration and Mining Company (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 8/7/85 (Date)

Ronald L. Atkinson  
(SCD Agent)

ACCESS ROAD

LOCATION

Structure <u>Cross Drains</u>	(A)	Structure <u>None required</u>	(1)
Spacing <u>80', 250'</u>		Material _____	
Page Ref. Manual _____		Page Ref. Manual _____	
Structure <u>Sediment Barrier</u>	(B)	Structure _____	(2)
Spacing <u>Hay Bale</u>		Material _____	
Page Ref. Manual <u>2 - 16</u>		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. Top soil to be stockpiled.

REVEGETATION

Treatment Area I

Treatment Area II

*Meadow*

Lime \_\_\_\_\_ 4 Tons/acre  
or correct to pH \_\_\_\_\_  
Fertilizer 10-20-20 600 lbs/acre  
(10-20-20 or equivalent)  
Mulch Hay 2 Tons/acre  
Seed\* 81% Orchard Grass/15% Ryegrass 32 lbs/acre  
Red Clover 8 lbs/acre  
\_\_\_\_\_ lbs/acre

Lime Same as area I \_\_\_\_\_ Tons/acre  
or correct to pH \_\_\_\_\_  
Fertilizer \_\_\_\_\_ lbs/acre  
(10-20-20 or equivalent)  
Mulch \_\_\_\_\_ Tons/acre  
Seed\* \_\_\_\_\_ lbs/acre  
\_\_\_\_\_ lbs/acre  
\_\_\_\_\_ lbs/acre

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

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

PLAN PREPARED BY Vincent W. Wood  
ADDRESS P. O. Box 8  
Ravenswood, WV 26164  
PHONE NO. (304) 273-5371

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 Division 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 §22B-1-9(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 §22B-1-36.
- 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 §22B-1-6 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 §22B-1-2C and the reclamation required by Code §22B-1-30 and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code §22B-1-2(c) and 22B-1-29, and (v) if applicable, the consent required by Code §22B-1-21 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 § § 22B-1-9, 22-B-1-13 and 22B-1-14.

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INFORMATION SUPPLIED UNDER CODE §22B-1-8(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>
Harold Ketchum	1/8 of prevailing field price		740/138

AFFIDAVIT OF PERSONAL SERVICE ON SURFACE OWNER

RECEIVED  
AUG 12 1985

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

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. K-653 located in Harris District, Wood County, West Virginia, upon the person or organization named--

David D. Steele

--by delivering the same in Wood County, State of WV on the 7 day of August, 1985 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 W Kelly  
(Signature of person executing service)

Taken, subscribed and sworn before me this 8 day of August, 1985.  
My commission expires August 30, 1993

Danese Carney  
Notary Public





RECEIVED  
AUG 21 1985

August 18, 1985

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

Director, Division of Oil and Gas  
West Virginia Department of Energy  
1615 Washington Street, East  
Charleston, West Virginia 25311-2192

Gentlemen:

I am writing regarding well #653 to be drilled on my property by Kaiser Exploration and Mining (KEM). I am the property owner, but only have 1/6 of the mineral rights. I have no complaint about the well being drilled, but I am trying to get the proposed well site moved for the following two reasons.

1. We are developing a spring to bring drinking water to our house. The road to the proposed well sight would be going right beside the spring. I am afraid this might disturb the vein. There have been five unsuccessful attempts on this property to drill for water. The proposed well site is approximately 250 ft. from the spring.
2. We have 100 acres. 40 acres woods, 45 acres pasture, and 15 acres of bottom ground. On the 15 good acres of bottom ground, KEM has already drilled two wells (one gas and one oil). I approved the two previous sites, though the land has not fully been reclaimed. The new proposed site is not in an area approved by me. The proposed well site and the road going to it is located on what is the best part of my bottom land. It currently has corn planted on it. KEM refuses to move the proposed site in any direction. I have close timber waste land which I would have no problem agreeing to use. KEM has always drilled and run pipeline on the easiest accessible ground. I feel they won't move the site because it will be a little inconvenient for them to do a little dozer work. They do not consider that they are taking my hay and corn ground away permanently. We have given permission for well #652 to be drilled on top of our hill. This well site has been moved from a site that we intend to build a house on. But the new proposed site is still located on open pasture ground. We would have preferred it further down in waste land area, but were agreeable on this site since they said it could not be moved. They said they were in error on their first measurements. Well #652 is not our major concern since it is in the pasture area and not on our prime land. Proposed well site #653 is our concern.



DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

Director, Division of Oil and Gas  
U.S. Department of Energy  
Washington, D.C. 20585

General:

This information is being furnished to you for your information only. It is not intended to constitute an offer of insurance or any other financial product. The well being of the insured is the primary concern of the insurer. The insured should always consult with the insurer before making any decision regarding the well being of the insured.

The insured should always consult with the insurer before making any decision regarding the well being of the insured. The insured should always consult with the insurer before making any decision regarding the well being of the insured. The insured should always consult with the insurer before making any decision regarding the well being of the insured.

1. The insured should always consult with the insurer before making any decision regarding the well being of the insured. The insured should always consult with the insurer before making any decision regarding the well being of the insured. The insured should always consult with the insurer before making any decision regarding the well being of the insured.

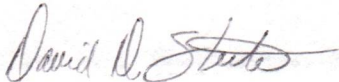
The insured should always consult with the insurer before making any decision regarding the well being of the insured. The insured should always consult with the insurer before making any decision regarding the well being of the insured. The insured should always consult with the insurer before making any decision regarding the well being of the insured.

Please advise me of what my surface owner rights are regarding the following:

1. Unitization of ground for deep wells vs shallow wells. We were forced to agree to a deep gas well which unitized 284 acres. This large amount of land was unitized because it was in an heirship. A normal deep well from KEM only runs about 160 acres. KEM is now going to drill four shallow oil wells (one of which is done). We only have 1/6 of the mineral rights, but we are standing all of the damages from the wells. We want the unitized acres for the four shallow wells changed from the 284 acres to the 100 acres that we live on (or what the wells are pulling from only). All of the people we have talked to have never heard of shallow wells being unitized in that large of an area. This does nothing but hurt the land owner. KEM says the unitization cannot be lowered, but it is stated in the contract that it can be changed at any time. What can I do to have the acreage on well #267 and the other 3 proposed sites changed?
2. What are my rights as a surface owner to file and collect for permanent damages sustained in rotary drilled wells?
3. I am the surface owner and own 1/6 of the mineral rights. I have been paying the taxes on this land. The mineral rights have not been divided out of it. Is there any point in time that I can claim the full mineral rights to my property?

I would appreciate your prompt attention to this matter. Please send me answers to my three questions as soon as possible. Thank you for your assistance. If you need further information, you may write or contact me at 304-863-3266.

Sincerely,



David D. Steele  
Rt. 1, Box 185  
Belleville, WV 26133

Attachments



IV-35  
(Rev 8-81)

Date January 30, 1986  
Operator's  
Well No. KEM #653  
Farm Ketchum  
API No. 47 - 107 - 1380

State of West Virginia  
Department of Mines  
Oil and Gas Division

WELL OPERATOR'S REPORT  
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: 637 Watershed Middle Fork of Lee Creek  
District: Harris County Wood Quadrangle Lubeck

COMPANY Kaiser Exploration and Mining Company

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

DESIGNATED AGENT Robert A. Pryce

ADDRESS Same

SURFACE OWNER David D. Steele

ADDRESS Rt. #2, Belleville, WV

MINERAL RIGHTS OWNER Harold Ketchum

ADDRESS \_\_\_\_\_

OIL AND GAS INSPECTOR FOR THIS WORK Glen

Robinson ADDRESS Rt. 1, #6 Pleasant Estates Mineral Wells, WV

PERMIT ISSUED 10/1/85

DRILLING COMMENCED 10/29/85

DRILLING COMPLETED 11/07/85

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"	30'	30'	--
9 5/8			
8 5/8			
7	257'	257'	100 sks class A
5 1/2			
4 1/2	1984'	1984'	100 sks 50/50 pozmix
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Berea Sandstone Depth 1979' feet

Depth of completed well 1992 feet Rotary  / Cable Tools \_\_\_\_\_

Water strata depth: Fresh -- feet; Salt -- feet

Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Berea Sandstone Pay zone depth 1915-1918 feet

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

Final open flow 10 Mcf/d Final open flow 10 Bbl/d

Time of open flow between initial and final tests 72 hours

Static rock pressure 500 psig (surface measurement) after 48 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

(Continue on reverse side)

WOOD 1380

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

11/11/85 Young Wireline perforated the Berea from 1915-1918' with 12 shots.  
 11/12/85 Dowell 75% foam fractured the Berea with 500 gal of 15% HCL, 45,000# of 20/40 sand, 15,000# 10/20 sand, 562 MSCF nitrogen, 297 bbls fluid.  
 Treating pressure: 1900 psig. ISIP: 1200 psig. 5 min. SIP: 1100 psig.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Shale			0	70	
Sand			70	106	
Shale			106	218	
Sand			218	237	
Shale			237	402	
Sand			402	485	
Shale & Siltstone			485	1220	
Sand			1220	1253	
Shale & Siltstone			1253	1372	
Sand			1372	1410	
Shale			1410	1430	
Salt Sands			1430	1576	
Shale			1576	1905	
Coffee Shale (Sunbury)			1905	1915	
Berea Sandstone			1915	1919	s/oil
Shale			1919	1994	
Total Depth (Logger)			1994		

(Attach separate sheets as necessary)

KAISER EXPLORATION AND MINING COMPANY

Well Operator

By: DA [Signature]

Date: January 30, 1986

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."

INSPECTOR'S PERMIT SUMMARY FORM

(10-1-85)

WELL TYPE OIL & GAS (COMBINATION)  
ELEVATION 637'  
DISTRICT HARRIS  
QUADRANGLE LUBECK  
COUNTY WOOD

API# 47- 107 - 1380  
OPERATOR KAIBER EXPLORATION & MINING CO.  
TELEPHONE (304)273-5371  
FARM STEELE  
WELL # KEM#653

SURFACE OWNER DAVID D. STEELE COMMENTS SEE FILE TELEPHONE NR  
TARGET FORMATION BEREA DATE APPLICATION RECEIVED 8/7/85

DATE STARTED \_\_\_\_\_  
LOCATION 10/28/85 NOTIFIED YES DRILLING COMMENCED 10/30/85

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

CASING

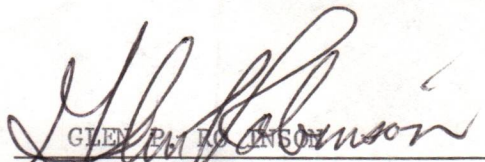
Ran 257' feet of 7" "pipe on 10/31/85 with 100SX fill up  
Ran 1984' feet of 4 1/2" "pipe on 11/7/85 with 180SX fill up  
Ran \_\_\_\_\_ feet of \_\_\_\_\_ "pipe on \_\_\_\_\_ with \_\_\_\_\_ fill up  
Ran \_\_\_\_\_ feet of \_\_\_\_\_ "pipe on \_\_\_\_\_ with \_\_\_\_\_ fill up  
TD 1992' feet on 11/7/85

PLUGGING

Type	From	To	Pipe Removed
NA			DEPARTMENT OF OIL AND GAS MAY 5 1986

Pit Discharge date: NR Type \_\_\_\_\_  
Field analysis ph \_\_\_\_\_ fe \_\_\_\_\_ cl \_\_\_\_\_  
Well Record received \_\_\_\_\_

Date Released 5/2/86

  
GLEN E. JOHNSON  
Inspector's signature

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				
14				
15				
16				
17				
18				
19				
20				

Notes

*[Handwritten signature]*



STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
DIVISION OF OIL AND GAS  
1615 Washington Street, East  
Charleston, West Virginia 25311  
Telephone: 348-3500

ARCH A. MOORE, JR.  
Governor

TO: *David D Steele*  
*Rt 1, Box 185*  
*Belleville, WV 26133*  
DATE: *August 23, 1985*  
RE: *KEM #653*

The Oil & Gas Division has received your comments.

Before any permit is issued the Department of Energy will make an onsite inspection. You will be notified by telephone when that visit is scheduled.

I have enclosed copies of the documents you requested in your objection. Please feel free to contact the inspector listed on the permit application. or myself at 348-0138, if you have further questions.

Sincerely,

*Margaret Hasse*  
Margaret Hasse  
Petroleum Engineer Specialist

*I am enclosing a copy of our booklet of information  
for surface owners. m.h.*

*Copies to: Kaiser  
Glen Robinson, District Inspector*



INTER-OFFICE MEMORANDUM

Department of Energy

Division of

OIL and GAS

To Glen Robinson

Date August 30, 1985

From Margaret L. Hesse

Subject REM 653 - Surface owner  
Comment

Please contact Mr. Steele at 863-3266. Possible danger to his spring and condition of reclamation on existing wells should concern us.

I have sent Mr. Steele a copy of the REAL PROPERTY Surface owners' Book to help him understand damage compensation, etc.

And  
Glen Robinson

INTER-OFFICE MEMORANDUM  
Department of Energy

Division of OIL & GAS

To MARGARET HASSE

Date 19 SEPTEMBER 1985

From GLEN P. ROBINSON *GR*

Subject KEM#653-SURFACE OWNER COMMENT

MARGARET:

AFTER A NUMBER OF ATTEMPTS, I FINALLY CONTACTED MR. DAVID STEELE AND MADE AN ONSITE INSPECTION OF THE PROPOSED SUBJ. WELL. I EXPLAINED TO MR. STEELE HIS RIGHTS AS A SURFACE OWNER TO FILE AND COLLECT DAMAGES SUSTAINED IN THE DRILLING OPERATIONS.

THE ONLY RECOMMENDATION TO THE PROPOSED CONSTRUCTION AND RECLAMATION PLAN IS THAT THE ACCESS ROAD BE CONSTRUCTED A GREATER DISTANCE FROM MR. STEELE'S SPRING THAN SHOWN ON THE PRESENT PLAN.

AS INDICATED IN MR. STEELE'S LTR TO THE DIVISION OF OIL & GAS, HE IS CONCERNED AND HAS TWO QUESTIONS PERTAINING TO UNITIZATION OF GROUND FOR DEEP WELLS VS SHALLOW WELLS. I TOLD HIM THAT I COULD NOT ADDRESS THOSE TWO QUESTIONS. SOMEONE IN CHARLESTON SHOULD WRITE MR. STEELE AND ADDRESS HIS QUESTION #1 & #3.

I HAVE ALREADY TALKED TO THE COMPANY AND TOLD THEM MY RECOMMENDATION AS TO THE ACCESS ROAD.

I WOULD APPRECIATE AN INFO COPY OF YOUR REPLY TO MR. STEELE RE- HIS QUESTIONS ON UNITIZATION.

IF I CAN BE OF FUTHER ASSISTANCE IN THIS MATTER, PLEASE FEEL FREE TO CONTACT ME.

FYI: TED STREET





STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
DIVISION OF OIL AND GAS  
1615 Washington Street, East  
Charleston, West Virginia 25311  
Telephone: 348-3500

ARCH A. MOORE, JR.  
Governor

October 1, 1985

David D. Steele  
Rt. 2  
Belleville, WV 26133

Dear Mr. Steele:

Enclosed is a copy of Well Work Permit 47-107-1380, for well number KEM 653. At the recommendation of Inspector Glen Robinson, we are requiring Kaiser to build the access road at least one hundred feet from your spring.

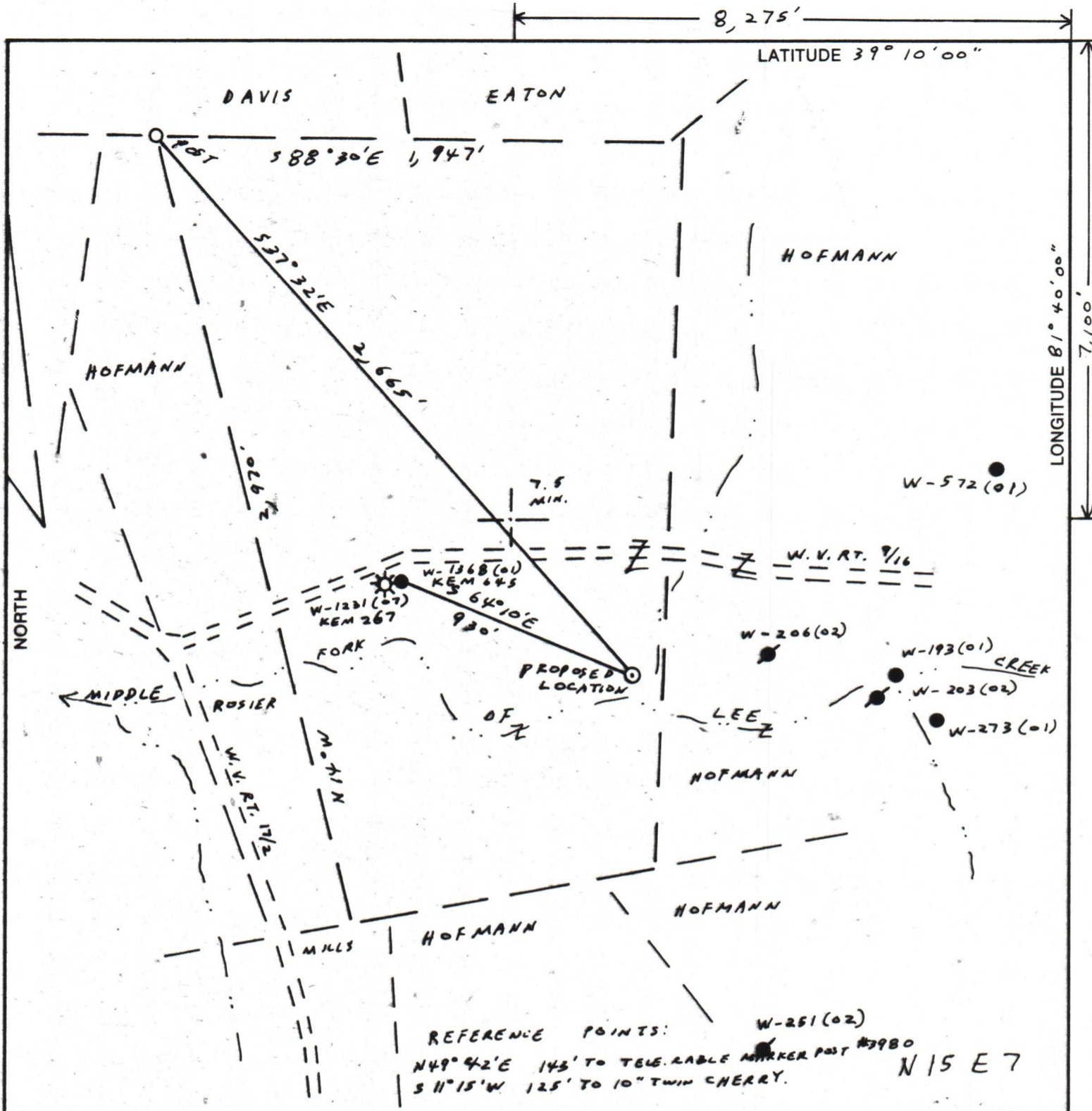
I have referred your questions regarding unitization and mineral rights to Brett Loflin of the Oil and Gas Conservation Commission. You should hear from him soon. Your rights regarding property damages and the procedures for collecting property damages are outlined in the booklet I sent to you several weeks ago. If I may be of further assistance, please feel free to call me at 348-0137.

Sincerely,

*Margaret T. Hasse*  
Margaret T. Hasse  
Petroleum Engineering Specialist

MTH/alb

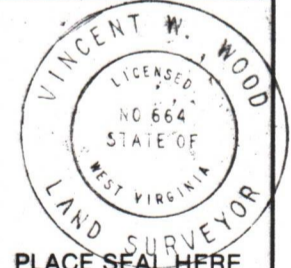
CC- Glen Robinson, Oil & Gas Inspector  
Kaiser Exploration and Mining Company



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

FILE NO. 8-33  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION ROAD INTERSECTION  
1755' N.W. OF LOCATION, ELEV. = 634

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



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

DATE AUG 5, 19 85  
 OPERATOR'S WELL NO. KEM 653  
 API WELL NO. 47-107-1380

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW

LOCATION: ELEVATION 637 WATERSHED MIDDLE FORK OF LEE CREEK  
 DISTRICT HARRIS COUNTY WOOD  
 QUADRANGLE LUBECK

SURFACE OWNER DAVID D. STEELE ACREAGE 100  
 OIL & GAS ROYALTY OWNER HAROLD KETCHUM LEASE ACREAGE 285  
 LEASE NO. 90-04-873

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

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION BEREA SANDSTONE ESTIMATED DEPTH 1979  
 WELL OPERATOR KAISER EXPLORATION & MINING CO. DESIGNATED AGENT R.A. PRYCE  
 ADDRESS P.O. BOX B, RAVENSWOOD, W.V. 26164 ADDRESS P.O. BOX B, RAVENSWOOD, W.V. 26164

FORM IV-6 (6-78)  
 H.T. HALL

COUNTY NAME  
 PERMIT