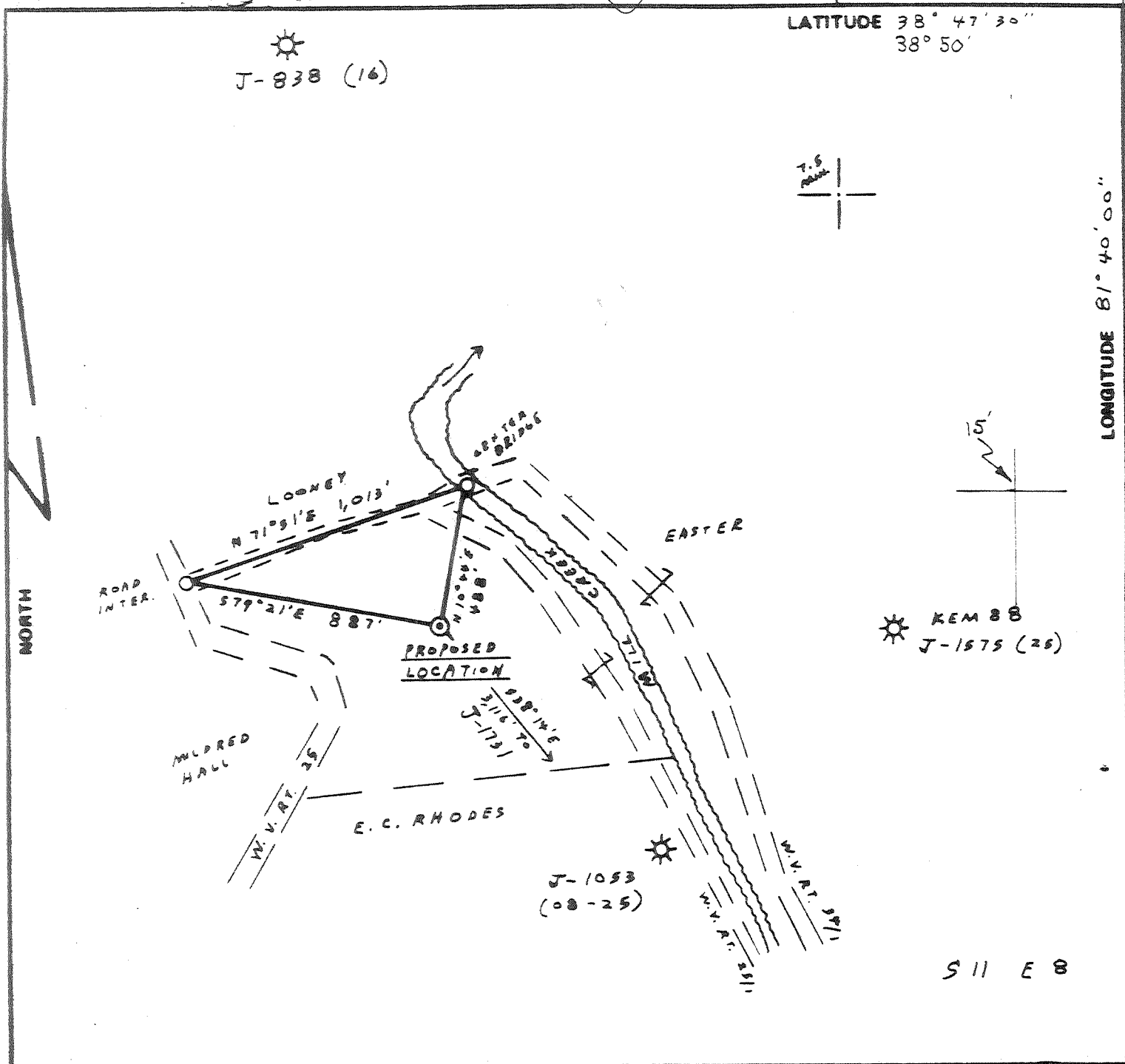
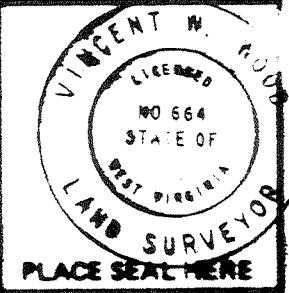


J-838 (16)



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION INTER. AT. 25 AND 25/1 ELEV. = 697

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



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-B (8-78)



DATE AUGUST 10, 1982  
 OPERATOR'S WELL NO. KEM 25B  
 API WELL NO. \_\_\_\_\_  
47 - 035 - 1758  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS.") PRODUCTION \_\_\_ STORAGE X DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 603 WATER SHED MILL CREEK  
 DISTRICT RIPLEY COUNTY JACKSON  
 QUADRANGLE RIPLEY  
 SURFACE OWNER RALPH D. SPELLMAN, ET AL. ACREAGE 35  
 OIL & GAS ROYALTY OWNER WILLIAM A. RILEY LEASE ACREAGE 220  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL \_\_\_ CONVERT X 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 ORISKANY ESTIMATED DEPTH 4964'  
 WELL OPERATOR KAISER EXPLOR & MIN. CO. DESIGNATED AGENT KAISER EXPLORATION AND MINING CO.  
 ADDRESS P.O. BOX 8 ADDRESS P.O. BOX 8  
RAVENS WOOD, W. V. 26164 RAVENS WOOD, W. V. 26164

6-6 Elk-Poca (Sissonville) MAY 21 1984  
 (192)

DEEP WELL

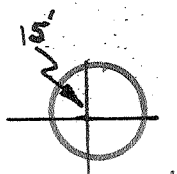
11.1.82 9/2/82

Plot Card CSD

4,000'

LATITUDE 38° 47' 30"  
38° 50'

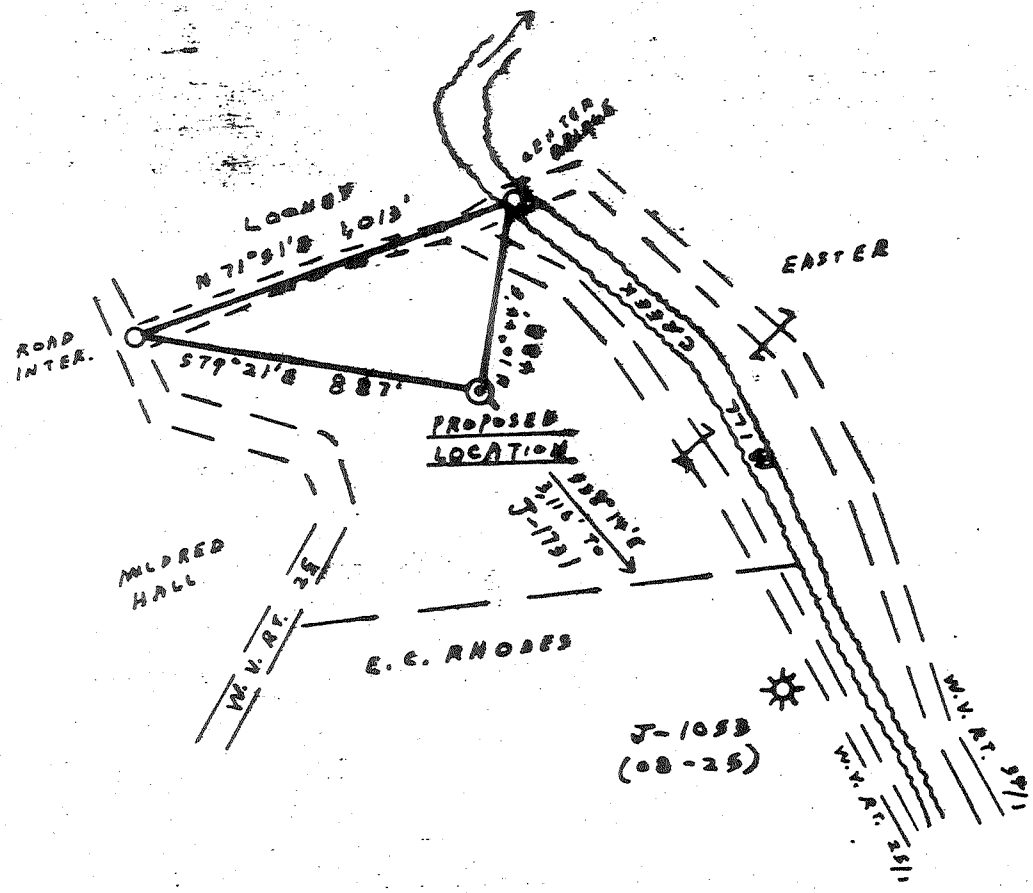
J-838 (16)



KEM 88  
J-1575 (28)

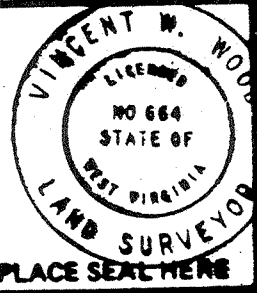
J-1053  
(08-25)

S 11 E 8



FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 500'  
MINIMUM DEGREE OF ACCURACY 1:200  
PROVEN SOURCE OF ELEVATION INTER. AT 25 AND 25/1' ELEV. = 687

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



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
FORM IV-B  
(8-78)



DATE AUGUST 10 1982  
OPERATOR'S WELL NO. KEM 258  
API WELL NO. 47-035-1758  
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL TYPE: OIL GAS  LIQUID INJECTION WASTE DISPOSAL  
(IF "GAS") PRODUCTION  STORAGE DEEP & SHALLOW  
LOCATION: ELEVATION 603 WATER SHED MILE CREEK  
DISTRICT RIPLEY COUNTY JACKSON  
QUADRANGLE RIPLEY 15 SW  
SURFACE OWNER RALPH D. SPELLMAN, ET AL. ACREAGE 38  
OIL & GAS ROYALTY OWNER WILLIAM A. RIPLEY LEASE ACREAGE 220  
LEASE NO. \_\_\_\_\_  
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 BRISKANY ESTIMATED DEPTH 4964'  
WELL OPERATOR KAISER EXPLOR. & MIN. CO. DESIGNATED AGENT KAISER EXPLORATION AND MINING CO.  
ADDRESS P.O. BOX B RAVENSWOOD, W. V. 26164  
ADDRESS P.O. BOX B RAVENSWOOD, W. V. 26164

DEEP WELL

6-661k-Poc SEP 13 1982  
(Sissonville) (192)



IV-35  
(Rev 8-81)

Date June 20, 1986

State of West Virginia

Department of Mines  
Oil and Gas Division

Operator's  
Well No. KEM 258

Farm Ripley

API No. 47 - 035 - 1758

*Frac*

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 X / Shallow \_\_\_ /)

LOCATION: Elevation: 663 603 Watershed Mill Creek  
District: Ripley County Jackson Quadrangle Ripley

COMPANY Kaiser Exploration & Mining Co.

ADDRESS P.O. Box 8 Ravenswood, WV 26164

DESIGNATED AGENT R. A. Pryce

ADDRESS same

SURFACE OWNER Ralph D. Spellman, et al

ADDRESS 311 1st Ave Ripley, WV 25271

MINERAL RIGHTS OWNER William A. Riley

ADDRESS Box 852 Pickens, S. Carolina 29671

OIL AND GAS INSPECTOR FOR THIS WORK Jerry

Tephabock ADDRESS Rt. 1 Box 101A Ripley, WV

PERMIT ISSUED 9/9/82 / 5/14/84 25271

DRILLING COMMENCED September 30, 1982 / 3/21/86

DRILLING COMPLETED October 7, 1982 / 4/3/86

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"		249	150 sx
9 5/8			
8 5/8			
7		2210	165 sx
5 1/2			
4 1/2		4984	225 sx
3			
.2			
Liners used			

GEOLOGICAL TARGET FORMATION Oriskany S.S. Depth 4878/4931 feet

Depth of completed well 5014 feet Rotary X / Cable Tools \_\_\_\_\_

Water strata depth: Fresh \_\_\_\_\_ feet; Salt \_\_\_\_\_ feet

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

OPEN FLOW DATA

Producing formation Berea Sandstone Pay zone depth 2302/2308 feet

Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow 200 Mcf/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 750 psig (surface measurement) after 72 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

SEP 15 1986  
(Continue on reverse side)

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

See previous IV-35

3/26/86 Young's Wireline perf Berea with 8 holes from 2302-2308.

4/03/86 NOWSCO foam frac Berea. Break down pressure: 2560 psig; sand: 45,000#  
20/40; N<sub>2</sub>: 712.5 mscf; total fluid: 245 bbl; ISIP: 1500 psig; 5 MIN.  
SIP: 1430 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
See previous IV-35					

(Attach separate sheets as necessary)

R. A. P.  
Well Operator

By: KAISER EXPLORATION AND MINING COMPANY

Date: June 20, 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  
those encountered in the drilling of a well."



State of West Virginia  
Department of Mines  
Oil and Gas Division

Date October 29, 1982  
Operator's  
Well No. KIM #258  
Farm W. W. Riley  
API No. 47 - 035 - 1758

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 x / Shallow \_\_\_ /)

LOCATION: Elevation: 603 Watershed Mill Creek  
District: Ripley County Jackson Quadrangle Ripley

COMPANY Kaiser Exploration and 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 Ralph D. Spellman, et al

ADDRESS 311 First Avenue, Ripley, WV 25271

MINERAL RIGHTS OWNER William Riley

ADDRESS Box 857, Pickens, S. Carolina 29671

OIL AND GAS INSPECTOR FOR THIS WORK Homer

Dougherty ADDRESS Box 3A, Linden Rt., Looneyville, WV

PERMIT, ISSUED 9/9/82

DRILLING COMMENCED 9/30/82

DRILLING COMPLETED 10/7/82

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"		249	150 sks
9 5/8			
8 5/8			
7		2210	165 sks
5 1/2			
4 1/2		4984	225 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Oriskany Sandstone Depth 4878-4931 feet

Depth of completed well 5014 feet Rotary x / Cable Tools

Water strata depth: Fresh \_\_\_ feet; Salt \_\_\_ feet

Coal seam depths: \_\_\_ Is coal being mined in the area? \_\_\_

OPEN FLOW DATA

Producing formation Devonian Brown Shale Pay zone depth 3861-4118 feet

Gas: Initial open flow None Mcf/d Oil: Initial open flow -- Bbl/d

Final open flow 162 Mcf/d Final open flow -- Bbl/d

Time of open flow between initial and final tests -- hours

Static rock pressure 880 psig (surface measurement) after -- 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

SEP 15 1986

(Continue on reverse side)

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

- 10/14/82 Devonian Brown Shale: Set permanent plug in 4 1/2" at 4165' (KB); perforated 3861-4118', shot selectively, 24 holes, 0.39" diameter
- 10/21/82 <sup>fluvion</sup> Devonian Brown Shale: Fractured with 60,000# of 20/40 sand; treatment pressure: 2700-3200 psig; ISIP: 1500 psig; total of 286 bbl water and 825,000 SCF of nitrogen.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sandstone & Shale			0	961	
Sandstone			961	1055	
Sandstone & Shale			1055	1524	
Limestone			1524	1814	
Sandstone			1814	1905	
Shale			1905	2277	
Coffee Shale			2277	2300	
Berea Sandstone			2300	2310	
Brown Shale			3550	4110	
Shale			4110	4495	
Marcellus <sup>Rh</sup>			4495	4792	
Onondaga Limestone			4792	4878	
Oriskany Sandstone			4878	4931	
Helderberg			4931	5014 TD	

(Attach separate sheets as necessary)

KAISER EXPLORATION AND MINING COMPANY  
 Well Operator  
 By: R.A.P.  
 Date: October 29, 1982

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 ~~minerals~~, encountered in the drilling of a well."



Date: August 31, 1982

Operator's Well No. KEM #258

API Well No. 47 035 1758  
State County Permit

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

WELL TYPE: Oil  / Gas   
(If "Gas", Production  / Underground storage  / Deep  / Shallow )

LOCATION: Elevation: 603' Watershed: Mill Creek  
District: Ripley County: Jackson Quadrangle: Ripley

WELL OPERATOR Kaiser Exploration and Mining Co. DESIGNATED AGENT R. A. Pryce  
Address P. O. Box 8 Ravenswood, WV 26164

OIL & GAS ROYALTY OWNER Willia A. Riley  
Address Box 857 Pickens, South Carolina 29671  
Acreage 220

COAL OPERATOR None  
Address

SURFACE OWNER Ralph D. Spellman, et al  
Address 311 First Avenue Ripley, WV 25271  
Acreage 220

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

FIELD SALE (IF MADE) TO:  
Address

Name  
Address

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Deo Mace  
Address Rt. 1, Box 5 Sandridge, WV 25274

COAL LESSEE WITH DECLARATION ON RECORD:  
Name  
Address

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed  / lease  other contract  / dated July 18, 1977, to the undersigned well operator from Willa A. & Frances R Riley

(If said deed, lease, or other contract has been recorded:)  
Recorded on \_\_\_\_\_, 19\_\_\_\_, in the office of the Clerk of the County Commission of Jackson County, West Va. in Lease Book 145 at page 51. A permit is requested as follows:

PROPOSED WORK: Drill  / Drill deeper  / Redrill  / Fracture or stimulate  / Plug off old formation  / Perforate new formation  / Other physical change in well (specify) \_\_\_\_\_  
—planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code 522-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:  
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION  
1015 WASHINGTON STREET EAST CHARLESTON, WV 25311  
TELEPHONE: (304) 348-3092

RECEIVED  
SEP 01 1982  
OIL & GAS DIVISION  
DEPT. OF MINES  
BLANKET BOND

KAISER EXPLORATION AND MINING COMPANY  
Well Operator  
By R. A. Pryce  
Its General Manager

DRILLING CONTRACTOR (IF KNOWN) Clint Hurt & Associates, Inc.

Address P. O. Box 388

Elkview, WV 25071

GEOLOGICAL TARGET FORMATION, Oriskany

Estimated depth of completed well, \_\_\_\_\_ feet Rotary x / Cable tools \_\_\_\_\_ /

Approximate water strata depths: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.

Approximate coal seam depths: \_\_\_\_\_ Is coal being mined in the area? Yes \_\_\_\_\_ / No \_\_\_\_\_ /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh Water	10 3/4"					250'	250'	150 sks class A	(to surface)
Coal									Sizes
Intermediate	7"					2177'	2177'	65 sks 50/50 100 sks Class A	pozmix
Production	4 1/2"					4964'	4964'	225 sks 50/50	pozmix set
Tubing									
Liners									Perforations:
									Top Bottom

**NOTE:** Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.

ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,

ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY

APPROVED FOR drilling THIS PERMIT SHALL EXPIRE

IF OPERATIONS HAVE NOT COMMENCED BY 5-9-83

BY [Signature]

*[Handwritten Signature]*

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

The undersigned coal operator \_\_\_\_\_ / owner \_\_\_\_\_ / lessee \_\_\_\_\_ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

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

By \_\_\_\_\_

Its \_\_\_\_\_





1) Date: April 5, 19 84  
 2) Operator's Well No. KEM #258  
 3) API Well No. 47 - 035 - 1758-FRAC  
 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: 603 Watershed: Mill Creek  
 District: Ripley County: Jackson Quadrangle: Ripley
- 6) WELL OPERATOR KEMGAS 7) DESIGNATED AGENT R. A. Pryce  
 Address P. O. Box 8 Address Same  
Ravenswood, WV 26164
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Jerry Tephabock Name Clint Hurt  
 Address Rt. 1, Box 101A Address P. O. Box 388  
Ripley, WV 25271 Elkview, WV
- 10) PROPOSED WELL WORK: Drill        / Drill deeper        / Redrill        / Stimulate X /  
 Plug off old formation        / Perforate new formation X /  
 Other physical change in well (specify) treat Berea; isolate shale & Berea with tubing
- 11) GEOLOGICAL TARGET FORMATION, Berea Sandstone and packer
- 12) Estimated depth of completed well, 4165' (KB) feet  
 13) Approximate trata depths: Fresh, 150 feet; salt, 600 feet.  
 14) Approximate coal seam depths: None Is coal being mined in the area? Yes        / No X /
- 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 <u>None</u>
Fresh water	<u>10 3/4</u>	<u>H</u>	<u>40.50</u>	<u>X</u>		<u>241' (KB)</u>	<u>241' (KB)</u>	<u>150 sks neat</u>	Sizes <u>      </u>
Coal								<u>65 sks pozmix</u>	Lengths set: <u>      </u>
Intermediate	<u>7"</u>	<u>K</u>	<u>20</u>	<u>X</u>		<u>2210' (KB)</u>	<u>2210' (KB)</u>	<u>100 sks neat</u>	
Production	<u>4 1/2"</u>	<u>N</u>	<u>11.60</u>	<u>X</u>			<u>4984' (KB)</u>	<u>225 sks pozmix</u>	
Tubing									
Liners						<u>4165' PBTD</u>			Perforations: Top Bottom
						<u>(permanent bridge plug)</u>			<u>3861' 4118' (KB)</u>

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-035-1758-FRAC Date May 14, 19 84

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 May 14, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing:	Fee
<u>BB</u>	<u>MH</u>	<u>TS</u>	<u>TS</u>	<u>966 827</u>

T. M. A.  
 Administrator, Office of Oil and Gas

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