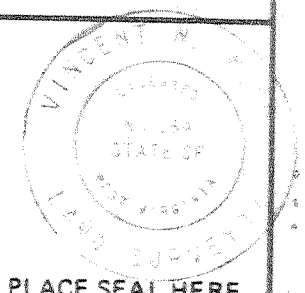


FILE NO. _____
 DRAWING NO. 5-9
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION INTERSECTION OF W.V. RT. 11 AND 1/6, ELEV. = 644

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-6 (8-78)



DATE AUG. 30, 1982
 OPERATOR'S WELL NO. KEM 262
 API WELL NO. 47-107-1226-Per
 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 X STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 628 WATER SHED OHIO RIVER
 DISTRICT HARRIS COUNTY WOOD
 QUADRANGLE LUBECK, 7.5 MIN.
 SURFACE OWNER GLADYS BLOOMER, ET AL. ACREAGE 32.75, PART OF 42
 OIL & GAS ROYALTY OWNER GLADYS BLOOMER, ET AL. LEASE ACREAGE 42
 LEASE NO. 83-06-206
 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 ORISKANY ESTIMATED DEPTH 4203'
 WELL OPERATOR KAISER EXPLOR. & MIN. CO. DESIGNATED AGENT KAISER EXPLORATION AND MINING CO.
 ADDRESS P.O. BOX 8 RAVENSWOOD, W. V. 26164 ADDRESS P.O. BOX 8 RAVENSWOOD, W. V. 26164

SEP 10 1985

DEEP WELL OWVO 6-6 New England (296)

Wood 1226



LONGITUDE 81° 40' 15" 81° 42' 30" 9,675'

FILE NO. _____
DRAWING NO. 5-9
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1:200
PROVEN SOURCE OF ELEVATION INTERSECTION OF W.V. RT. 11 AND 1/6, ELEV. = 644

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

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
FORM IV-6 (8-78)



DATE AUG. 30, 19 82
OPERATOR'S WELL NO. KEM 262
API WELL NO. _____
47 - 107 - 1226
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 X SHALLOW ___
LOCATION: ELEVATION 628 WATER SHED OHIO RIVER
DISTRICT HARRIS COUNTY WOOD
QUADRANGLE LUBECK, 7.5 MIN. Bellville 15' NW
SURFACE OWNER GLADYS BLOOMER, ET AL. ACREAGE 32.75, PART OF 42
OIL & GAS ROYALTY OWNER GLADYS BLOOMER, ET AL. LEASE ACREAGE 42
LEASE NO. 83-06-206
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 ORISKANY ESTIMATED DEPTH 4203'
WELL OPERATOR KAISER EXPLOR. & MIN. CO. DESIGNATED AGENT KAISER EXPLORATION AND MINING CO.
ADDRESS P.O. BOX 8 RAVENSWOOD, W. V. 26164 ADDRESS P.O. BOX 8 RAVENSWOOD, W. V. 26164

OCT 04 1982
deep well



IV-35 (Rev 8-81)

RECEIVED OCT 17 1985

W. VA. OIL & GAS CONSERVATION COMMISSION State of West Virginia Department of Mines Oil and Gas Division

Date October 10, 1985 Operator's Well No. KEM #262 Farm Bloomer API No. 47 - 107 - 1226

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 / Shallow x)

LOCATION: Elevation: 628 Watershed Ohio River District: Harris County Wood Quadrangle Lubeck

COMPANY Kaiser Exploration and Mining Company

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

DESIGNATED AGENT R. A. Pryce

ADDRESS Same

SURFACE OWNER Gladys Bloomer

ADDRESS Rt. 1, Box 351A, Washington, WV

MINERAL RIGHTS OWNER Same

ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK Homer

Daugherty ADDRESS Linden Rt., Looneyville, WV

PERMIT ISSUED 5/9/83

DRILLING COMMENCED 6/6/83

DRILLING COMPLETED 6/12/83

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

Table with 4 columns: Casing Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16, 10 3/4, 11 1/8, 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2 and Liners used.

GEOLOGICAL TARGET FORMATION Oriskany Sandstone Depth 4203' feet

Depth of completed well 4127 feet Rotary / Cable Tools

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

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

OPEN FLOW DATA

Producing formation Devonian Brown Shale Pay zone depth 3147'-3405' feet

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

* Final open flow 300 (est) Mcf/d Final open flow -- Bbl/d

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

Static rock pressure 900 psig (surface measurement) after -- hours shut in (If applicable due to multiple completion--)

Second producing formation Berea Sandstone Pay zone depth 1807'-1809' feet

Gas: Initial open flow 0 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 825 psig (surface measurement) after -- hours shut in

NOV 4 1985

* Open flows are commingled

(Continue on reverse side)

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

- 6/20/83 Oriskany Sandstone perforations: 4010' - 4015', 4 holes/ft, 20 holes (.39 dia)
- 6/21/83 Oriskany Sandstone breakdown: 500 gal 28% HCL. Breakdown at 1600 psig w/ 3 BPM water. Displaced 20 bbl water at 10 BPM and 15-0 psig. ISIP: 750 psig
- 6/27/83 Oriskany Sandstone fracture: cross-link fracture: 45,000# 20/40 sand; liquid rate of 8 BPM. Nitrogen rate: 4000 scf/m; average treating pressure: 1550 psig; 3993 bbl sand-ladened fluid; 605 total bbl; total 300,000 scf nitrogen; ISIP: 1220 psig; 5-min SIP: 1180 psig.
- 9/20/85 Set Baker permanent plug at 3546'.
- 9/23/85 Perforated Brown Shale with 20 holes from ^{Huron} 3147'-3405'. Perforated the Berea with 8 holes from 1807-1809'.
- 9/30/85 75% foam frac'd Brown Shale with 60,000# 20/40 sand; 735 mscf nitrogen; total fluid: 262 bbl. Frac'd Berea with foam and 45,000# 20/40 sand and 15,000# of 10/20 sand; 705 mscf total nitrogen; total fluid: 321 bbl.

WELL LOG

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

(Attach separate sheets as necessary)

KAISER EXPLORATION AND MINING COMPANY

Well Operator

By:

K.A.P.

Date:

October 10, 1985

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."



Date June 27, 1983
 Operator's
 Well No. Kem 262
 Farm Bloomer
 API No. 47 - 107 - 1226

RECEIVED
 JAN 29 1984
 OIL & GAS DIVISION
 DEPARTMENT OF MINES

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 x / Liquid Injection / Waste Disposal /
 (If "Gas," Production x / Underground Storage / Deep x / Shallow /)

LOCATION: Elevation: 628 Watershed Ohio River
 District: Harris County Wood Quadrangle Lubeck

COMPANY Kaiser Exploration and Mining Company

ADDRESS P. O. Box 8, Ravenswood, WV

DESIGNATED AGENT Robert A. Pryce

ADDRESS P. O. Box 8, Ravenswood, WV

SURFACE OWNER Gladys Bloomer

ADDRESS Rt. 1, Box 351 A, Washington, WV

MINERAL RIGHTS OWNER same

ADDRESS

WELL AND GAS INSPECTOR FOR THIS WORK Homer

Daugherty ADDRESS Linden Rt. Box 3-A

PERMIT ISSUED May 9, 1983 Looneyville, WV

DRILLING COMMENCED June 6, 1983

DRILLING COMPLETED June 12, 1983

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

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cord.			
12-10" 3/4		219	300 sks Class A 3% CaCl 1/4#sk
9 5/8			
8 5/8			
7		1537	100 50/50 poz. 100 Class A 10% salt 3% CaCl
5 1/2			
4 1/2		4103	225 50/50 poz. 10% salt
3			1/4#sk Flocele
2			12.5#/sk gilsonite
Liners used			

GEOLOGICAL TARGET FORMATION Oriskany Sandstone Depth 4203 feet

Depth of completed well 4127 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 Oriskany Sandstone Pay zone depth 4010-4015 feet

Gas: Initial open flow 13 Mcf/d Oil: Initial open flow -- Rbl/d

Final open flow 200 Mcf/d Final open flow -- Rbl/d

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

Static rock pressure 1325 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 Rbl/d

Final open flow Mcf/d Oil: Final open flow Rbl/d

Time of open flow between initial and final tests: hours JUL 30 1984

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

107-1226

LIST OF PERFORATED INTERVALS, INTERVALS OR STIMULATIONS, PHYSICAL CHANGE, ETC.

- 6/20/83 Oriskany Sandstone perforation: 4010 - 4015', 4 holes/ft, 20 holes, .39" diameter
- 6/21/83 Oriskany Sandstone breakdown: 500 gal 28% HCl. Breakdown at 1600 psig w/ 3 BPM water. Displaced 20 bbl water at 10 BPM and 1500 psig. ISIP: 750 psig.
- 6/27/83 Oriskany Sandstone fracture: cross-link fracture; 45,000# 20/40 sand; liquid rate of 8 BPM. N2 rate: 4000 SCF/M; average treating pressure: 1550 psig; 393 bbl sand-laden fluid; 605 total bbl; total 300,000 SCF N2; ISIP: 1220 psig; 5-min SIP: 1180 psig.

WELL LOG

LITHOLOGY	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sandstone			0	206	
Shale			206	345	
Sandstone and Shale			345	456	
Siltstone and Shale			456	1306	
Sandstone			1306	1452	
Shale and Siltstone			1452	1794	
Coffee Shale			1794	1811	
Berea Sandstone			1811	1814	
Gray Shale			1814	3242	
Brown Shale			3242	3410	
Shale			3410	3755	
Marcellus Shale			3755	3915	
Onondaga Limestone			3915	3996	
Oriskany Sandstone			3996	4038	
Helderberg Limestone			4038	4137 TD	

(Attach separate sheets as necessary)

Kaiser Exploration and Mining Company
Well Operator

By: R. A. P.

Date: July 19, 1983

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic record of all formations, including

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, 4203' 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			New	Used	FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft			For drilling	Left in well		
Conductor									
Fresh Water	10 3/4"					250'	250'	150 sks class A	Kinds (to surface)
Coal								65 sks 50/50	Sizes pozmix
Intermediate	7"					1715'	1715'	100 sks Class A	
Production	4 1/2"					4203'	4203'	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 JV-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 5-27-83
 BY [Signature]

Survey

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

I, the undersigned coal operator / owner / lessee / of the coal under this well location has examined this 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. I, 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.

19

By
 Its



RECEIVED
AUG 22 1985

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

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

1) Date: August 14, 19 85
2) Operator's Well No. KEM #262
3) API Well No. 47 107 1226 State WV County W Frac Permit

- 4) WELL TYPE: A Oil / Gas B (If "Gas", Production / Underground storage Deep Shallow)
- 5) LOCATION: Elevation: 628' Watershed: Ohio River District: Harris County: Wood Quadrangle: Lubeck
- 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 Mt. Pleasant Estate Mineral Wells, WV
- 9) DRILLING CONTRACTOR: Name Kaiser Exploration and Mining Company Address P. O. Box 8 Ravenswood, WV 26164
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate / Plug off old formation / Perforate new formation / Set permanent bridge plug at 3500'; calseal on top of plug; Other physical change in well (specify) frac Brown Shale; squeeze 4 I/2" casing over Berea
- 11) GEOLOGICAL TARGET FORMATION, Brown Shale/Berea 401
- 12) Estimated depth of completed well, 3500' 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	Left in well		
Conductor									Kinds
Fresh water	10 3/4"					219	219	300 sks class A	
Coal									Sizes
Intermediate	7"					1537	1537	100 sks 50/50	permix
Production	4 1/2"					4103	4103	225 sks 50/50	permix
Tubing									
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-107-1226 Frac Date September 3 19 85

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 3, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>FLB</u>	Plat: <u>MW/MH</u>	Casing: <u>969000</u>	Fee: <u>969000</u>	WPCP: <input checked="" type="checkbox"/>	S&E: <input checked="" type="checkbox"/>	Other: <input type="checkbox"/>
---	-------------------	--------------------	-----------------------	--------------------	---	--	---------------------------------

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

[Signature]
Director, Division of Oil and Gas
File



1) Date: May 9, 19 83
 2) Operator's Well No. KEM #262
 3) API Well No. 47 107 1226 REN.
 State County Permit

DRILLING CONTRACTOR:

Clint Hurt

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

OIL AND GAS WELL PERMIT APPLICATION

RENEW

- 4) WELL TYPE: A Oil _____ / Gas X /
 B (If "Gas", Production X / Underground storage _____ / Deep X / Shallow _____ /)
- 5) LOCATION: Elevation: 628 Watershed: Ohio River
 District: Harris County: Wood Quadrangle: Lubeck
- 6) WELL OPERATOR Kaiser Exploration and Mining Co. 11) DESIGNATED AGENT R. A. Pryce
 Address P. O. Box 8 Address Same
Ravenswood, WV 26164
- 7) OIL & GAS ROYALTY OWNER Gladys Bloomer, et al 12) COAL OPERATOR None
 Address Rt. 1, Box 351A Address _____
Washington, WV 26181
 Acreage 42
- 8) SURFACE OWNER Same 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Name None
 Address _____
- 9) FIELD SALE (IF MADE) TO:
 Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Homer Dougherty
 Address Linden Rt., Box 3A
Looneyville, WV
- 14) COAL LESSEE WITH DECLARATION ON RECORD:
 Name None
 Address _____
- 15) PROPOSED WORK: Drill X / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____ /
 Plug off old formation _____ / Perforate new formation _____ /
 Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, Oriskany
- 17) Estimated depth of completed well, 4203 feet
- 18) Approximate water strata depths: Fresh, _____ feet; salt, _____ feet.
- 19) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No _____ /

20) 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 50/50</u>	<u>pointn</u>
Coal								<u>65 sks 50/50</u>	<u>Sizes</u>
Intermediate	<u>7"</u>			<u>X</u>		<u>1715</u>	<u>1715</u>	<u>100 sks class A</u>	<u>ozmix</u>
Production	<u>4 1/2"</u>			<u>X</u>		<u>4203</u>	<u>4203</u>	<u>225 sks 50/50</u>	<u>Depth set</u>
Tubing									
Liners									Perforations:
									Top Bottom

21) 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.)

22) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or other continuing 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.

23) Required Copies (See reverse side.)

24) 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.

Notary: _____
 My Commission Expires _____

Signed: TRAP
 Its: General Manager

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-107-1226-REN. Date May 18 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. 10) 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.)

Permit expires January 18, 1984 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
-------	--------	-------	--------	-----

Administrator, Office of Oil and Gas