



1) Date: 6-10, 19 85
 2) Operator's Well No. #3
 3) API Well No. 47 053 - 0405
 State County Permit

RECEIVED

JUN 26 1985

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

APPLICATION FOR A WELL WORK PERMIT

- OIL & GAS DIVISION
DEPT. X MINES X
- 4) WELL TYPE: A Oil Gas B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 558 Watershed: OHIO RIVER
 District: LEWIS 7 County: MASON Quadrangle: ADDISON 201
- 6) WELL OPERATOR KRAMER EXPLORATION 7) DESIGNATED AGENT RICK KNIGHT
 Address 21 W WINTER ST SUITE 35 26725 DELAWARE, OHIO 43015 Address 2903 PARRISH AVE POINT PLEASANT WV 25550
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name JERRY TEPHABOCK Name GARD DRILLING
 Address RIPLEY WV 304-372-6805 Address Rt #1 GALLIPOLIS, OHIO 45631
- 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, 2nd BERE SANDSTONE
- 12) Estimated depth of completed well, 1750' feet
- 13) Approximate strata depths: Fresh, 150' 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"	J-55	17#	X		300-350'	300-350'	TO SURFACE	
Coal									Sizes
Intermediate	4.5"	J-55	9.5#	X			1750'		CT5
Production									NEAT
Tubing	1.5"		2.5#	X			1700'	25-50 SKS	Depths set
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-053-0405

July 2 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 July 2, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>AB</u>	Plat: <u>MN MN</u>	Casing: <u>MN MN</u>	Fee: <u>4476</u>
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Margaret J. Chase
 Administrator, Office of Oil and Gas

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

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

ADDITIONAL INFORMATION:
 RKR KNIGHT
 2803 PARKWAY AVE
 JOINT RESERVAT W 5222
 GRAND DRILLING
 R #1
 GALATIUM, OHIO #2631

DELAWARE, OHIO 43012
 20 WINTER ST SUITE 32
 KRAMER EXPLORATION
 LEWIS
 558

MASON
 OHIO RIVER

304-377-8802
 RILEY W V
 JERRY TERNBORG

5# BERRY SANDSTONE
 1750'

12" 17" X
 4 1/2" 17" X
 12" X

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: _____



IV-9
(Rev 8-81)

DATE 6-10-85
WELL NO. #3
API NO. 47-053-0405

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Kramer Exploration Company
Address 2 W. Winter St. Suite #35
Delaware, Ohio 43015
Telephone 614 363-4208

DESIGNATED AGENT Richard W. Knight
Address 2903 Parrish Ave. Pt. Pl. WV
Telephone 304 675-2592

LANDOWNER HUGHES, EDESEL
Revegetation to be carried out by _____

SOIL CONS. DISTRICT Western
Kramer Exploration Co. (Agent)

This plan has been reviewed by Western SCD. All corrections and additions become a part of this plan: 6-14-85 (Date)

[Signature]
(SCD Agent)

ACCESS ROAD		LOCATION	
Structure <u>Existing road</u>	(A)	Structure <u>No to Little Grade</u>	(1)
Spacing _____		Material _____	
Page Ref. Manual _____		Page Ref. Manual _____	
Structure _____	(B)	Structure <u>Drill Pit</u>	(2)
Spacing _____		Material <u>Pit Liner</u>	
Page Ref. Manual _____		Page Ref. Manual _____	
Structure _____	(C)	Structure _____	(3)
Spacing _____		Material _____	
Page Ref. Manual _____		Page Ref. Manual _____	

RECEIVED
JUN 26 1985
OIL & GAS DIVISION
DEPT. OF MINE

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

Lime 2 Tons/acre
or correct to pH 6.5

Fertilizer 500 lbs/acre
(10-20-20 or equivalent)

Mulch 2 Tons/acre

Seed* Fescue 40 lbs/acre
Rye (perennial) 35 lbs/acre
_____ lbs/acre

Treatment Area II

Lime _____ 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.

PLAN PREPARED BY Richard W. Knight

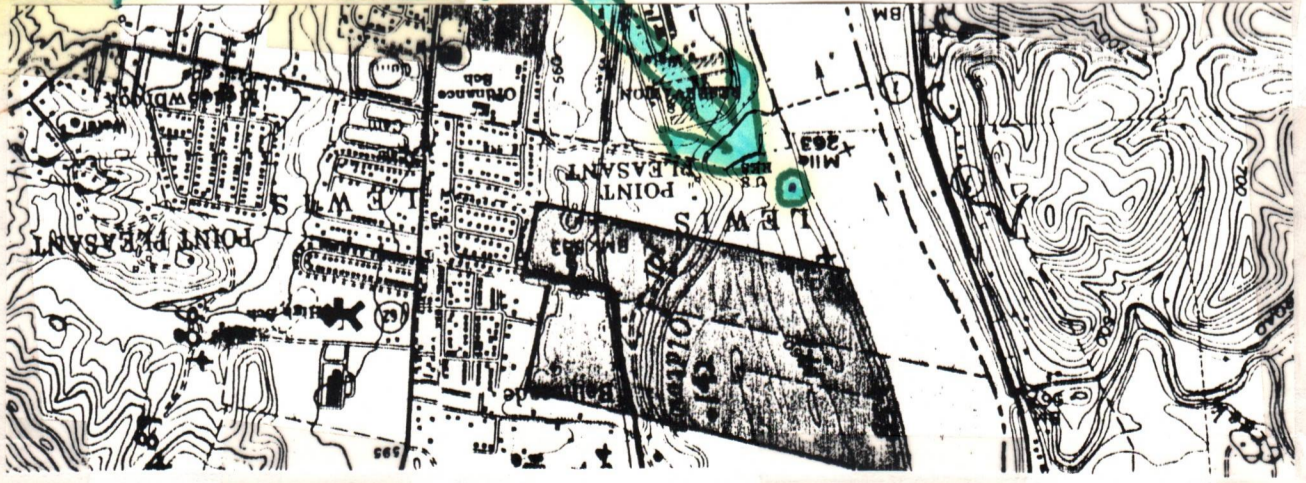
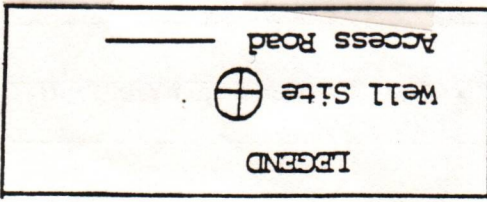
ADDRESS 2903 Parrish Ave

Point Pleasant, WV 25550

PHONE NO. 675 2592

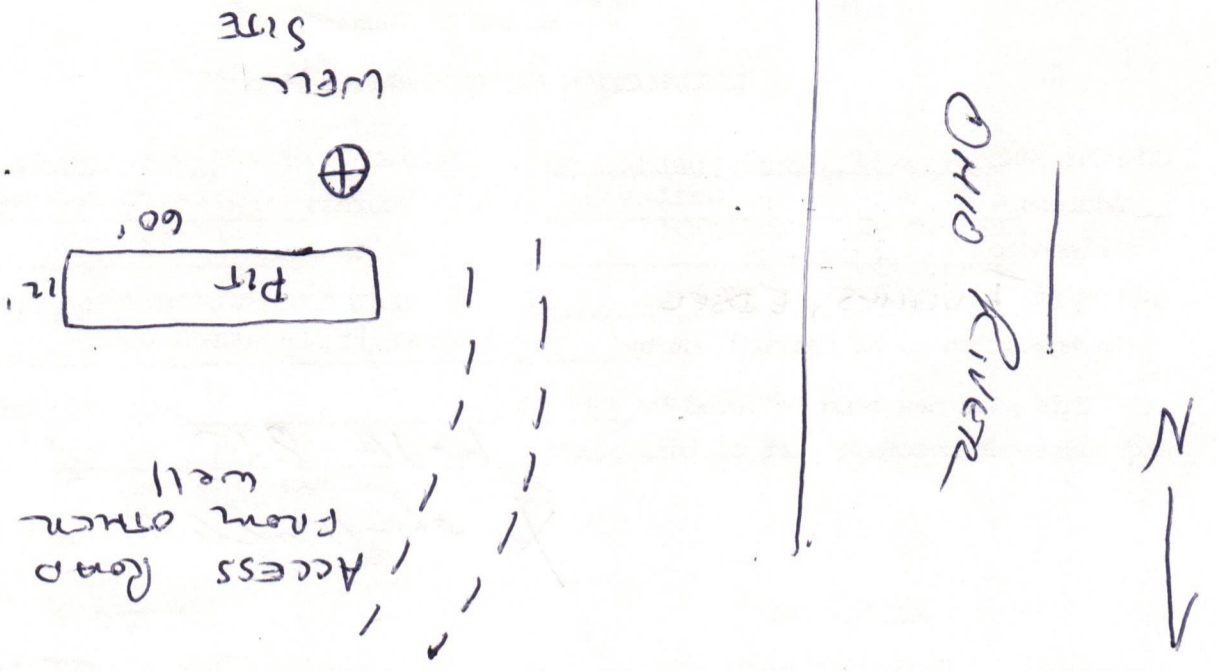
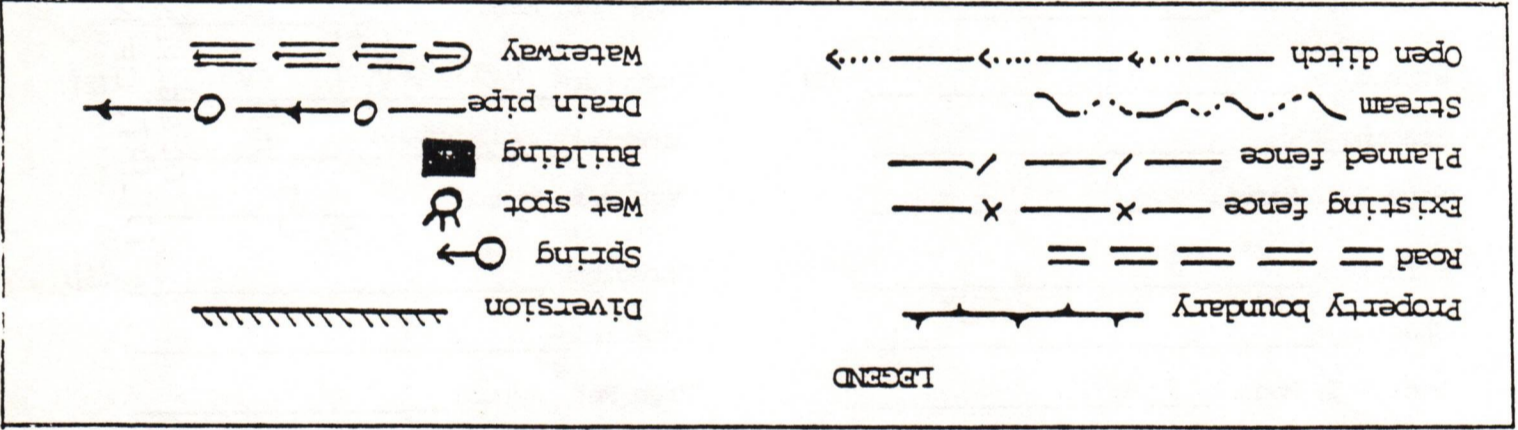
NOTES: Please request landowner's cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

ATTACH OR PHOTO COPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE ADPISON



WELL SITE

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.



1) Date: 6-10, 1985
2) Operator's # 3
Well No. _____
3) API Well No. 47 053-0405
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

(i) Name KOSSEL MUGES
Address BELLMERADE

(ii) Name _____
Address _____

(iii) Name _____
Address _____

5(i) COAL OPERATOR _____
Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name JULIA THOMAS, JAMES THOMAS, JULIA HUTCHINGS
Address 19 NORWOOD RD. CHARLESTON, WV 25314

Name _____
Address _____

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
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

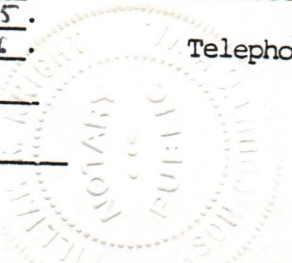
RICHARD W. KNIGHT
this 12 day of JUNE, 1985.
My commission expires APRIL 27, 1986.

William Rupert Knight
Notary Public, MASON County,
State of W.V.A.

WELL OPERATOR KRAMER EXPLORATION Co.
By Richard W. Knight
Its AGENT
Address 2903 PARADISE AVE
POINT PLEASANT WV
Telephone 675-2592

RECEIVED
JUN 26 1985

OIL & GAS DIVISION



I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)

IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc.

Grantee, lessee, etc.

Royalty

Book Page

THOMAS

THOMAS

MUTCHINSON

KRAMER

EXPLORATION
Co.

12.5 58 267





1) Date: 6-10, 19 85
 2) Operator's Well No. #3
 3) API Well No. 47 State 053 County _____ Permit _____

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

- 4) WELL TYPE: A Oil X / Gas X /
 B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 558 Watershed: OHIO RIVER
 District: LEWIS County: MUNSON Quadrangle: ADDISON
- 6) WELL OPERATOR KRAMER EXPLORATION 7) DESIGNATED AGENT KEK KNIGHT
 Address 2 W WINTER ST SUITE 35 Address 2903 PARRISH AVE
DELAWARE, OHIO 43015 FOUNTAIN HENRIAT WV 25550
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name JERRY TEPHAROCK Name GARD DRILLING
 Address RIPLEY WV Address Rt #1
304-372-6805 GALLIPOLIS, OHIO 45631
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate X /
 Plug off old formation _____ / Perforate new formation X /
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, 2ND BEREHA SANDSTONE
 12) Estimated depth of completed well, 1750' feet
 13) Approximate trata depths: Fresh, 150' feet; salt, _____ feet.
 14) Approximate coal seam depths: _____ 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		Kinds	Sizes
Conductor										
Fresh water	7"	J-55	17#	X		300-350'	300-350'	TO SURFACE		
Coal										
Intermediate	4.5"	J-55	9.5#	X			1750'			CIS
Production										Depths set
Tubing	1.5"		2.5#	X			1700'	75-50 SCS		NEHT
Liners										Perforations:
									Top	Bottom

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The 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 §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

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 the filing of the Application.

WAIVER

The undersigned coal operator _____ / owner (circled) / 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: 6-24, 19 85 MUNSON 4476

By Julia L. Thomas
James L. Thomas, Jr.
Julia G. Dulles

Coal Owner



1) Date: 6-10, 19 85
 2) Operator's Well No. #3
 3) API Well No. 47 State 053 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: 558 Watershed: Ohio River
 District: LEWIS County: MASON Quadrangle: ADDISON
- 6) WELL OPERATOR KRAMER EXPLORATION 7) DESIGNATED AGENT Kirk Knight
 Address 21 WINTER ST SUITE 35 Address 2903 PARKSIDE AVE
DELAWARE OHIO 43015 P.O. BOX 25550
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name JERRY TEPHAROCK Name STARD DRILLING
 Address RILEY WV Address Rt #1
304-372-6805 GALLIPOLIS, OHIO 45631
- 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, 2nd BEREA SANDSTONE
- 12) Estimated depth of completed well, 1750 feet
 13) Approximate trata depths: Fresh, 150 feet; salt, _____ feet.
 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No /

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	<u>7"</u>	<u>J-55</u>	<u>17"</u>	<input checked="" type="checkbox"/>		<u>300-350'</u>	<u>300-350'</u>	<u>TO SURFACE</u>	
Coal									Sizes
Intermediate	<u>4.5"</u>	<u>J-55</u>	<u>9.5"</u>	<input checked="" type="checkbox"/>			<u>1750'</u>		<u>CTS</u>
Production									Depths set <u>NEHT</u>
Tubing	<u>1.5"</u>		<u>2.5"</u>	<input checked="" type="checkbox"/>			<u>1700'</u>	<u>75-50 SCS</u>	
Liners									Perforations: Top _____ Bottom _____

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

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)

NAME: _____
 By _____
 Its _____ Date _____

(For execution by natural persons)

X Edrel Hughes Date: 6-12-85
 (Signature)
 _____ Date: _____
 (Signature)

**INSTRUCTIONS TO SURFACE OWNERS
AND
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT
ON OIL AND GAS WELL WORK PERMIT**

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (NOTE: If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

Where to file comments and obtain additional information:

Administrator of the Office of Oil and Gas
West Virginia Department of Mines
1615 Washington Street East
Charleston, West Virginia 25311
(304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be delivered on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments as provided in **Methods for Filing Comments** below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Methods for filing comments. Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

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

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.



IV-35
(Rev 8-81)

Date April 28, 1986
Operator's
Well No. Rosenberry#3
Farm Edsel Hughes
API No. 47 - 053 - 0405

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: 558 Watershed Ohio River
District: Lewis County Mason Quadrangle Addison

COMPANY Kramer Exploration Company
ADDRESS 2 W. Winter St. Suite 35 Delaware, Oh
DESIGNATED AGENT R.W.Knight 43015
ADDRESS 3003 Brook Dr. Point Pleasant, WV
SURFACE OWNER Edsel Hughes
ADDRESS Point Pleasant, WV 25550
MINERAL RIGHTS OWNER Rosenberry (heirs)
ADDRESS Charleston, WV
OIL AND GAS INSPECTOR FOR THIS WORK Jerry
Tephabock ADDRESS Riply, WV
PERMIT ISSUED 7-02-85
DRILLING COMMENCED 9-6-85
DRILLING COMPLETED 9-10-85

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	78	78	
9 5/8			
8 5/8			
7	351.7	351.7	65 sks
5 1/2			
4 1/2	1674.5	1674.5	65 sks
3			
2			
Liners used	Pit		

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

GEOLOGICAL TARGET FORMATION 2nd Berea Sandstone Depth 1600 feet
Depth of completed well 1662 feet Rotary / 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 Second Berea SS Pay zone depth 1600 feet
Gas: Initial open flow 0 Mcf/d Oil: Initial open flow 0 Bbl/d
W/Frac Final open flow 10 Mcf/d Final open flow 2 Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure 350 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

(Continue on reverse side)

MASON 0405

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

Perforated: 1600 to 1617

Fracture: 1800 bbl H₂O, 50,000# sand, 18 bbl per min.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand and Gravel			0	75	Fresh H ₂ O
Sandstone and Shale			75	1536	
Coffee Shale			1536	1546	
Berea Sandstone			1546	1576	oil, gas, salt H ₂ O
Shale			1576	1600	
2 nd Berea Sandstone			1600	1617	oil, gas
Shale			1617	1662	

(Attach separate sheets as necessary)

Kramer Exploration Company

Well Operator

By: Richard W. Knight, KEX Geologist

Date: 4-28-86

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 ENERGY
OIL AND GAS WELLS DIVISION

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AUG 28 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

INSPECTOR'S WELL REPORT

Permit No. 053 0405

Oil or Gas Well _____
(KIND)

Company <u>Kramer Resources</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Address _____	Size		
Farm <u>Roseberry</u>	16			
Well No. _____	13			Size of _____
District _____ County <u>Mason</u>	10			
Drilling commenced <u>8 23 85</u>	8 1/4			Depth set _____
Drilling completed _____ Total depth _____	6 3/8			
Date shot _____ Depth of shot _____	5 3/16			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. top _____
Volume _____ Cu. Ft.	Liners Used _____			Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks:

set spudder onto to set conductor pipe.

8 23 85

DATE

August T. ...
DISTRICT WELL INSPECTOR

INSPECTOR'S PERMIT SUMMARY FORM

WELL TYPE _____
ELEVATION _____
DISTRICT _____
QUADRANGLE _____
COUNTY Mason

API# 47-053-405 (7-2-85)
OPERATOR Kramer Res.
TELEPHONE _____
FARM Hughes, Edsel
WELL # 3

SURFACE OWNER _____ COMMENTS _____ TELEPHONE _____
TARGET FORMATION _____ DATE APPLICATION RECEIVED _____
DATE STARTED _____
LOCATION _____ NOTIFIED _____ DRILLING COMMENCED _____

WATER DEPTHS _____, _____, _____, _____
COAL DEPTHS _____, _____, _____, _____

CASING

Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up

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OIL AND GAS

TD _____ feet on _____

MAR 14 1986

PLUGGING

Type	From	To	Pipe Removed

Pit Discharge date: _____ Type _____
Field analysis ph _____ fe _____ cl _____
Well Record received _____

Date Released 3 14 86

James P. Teshalock
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				

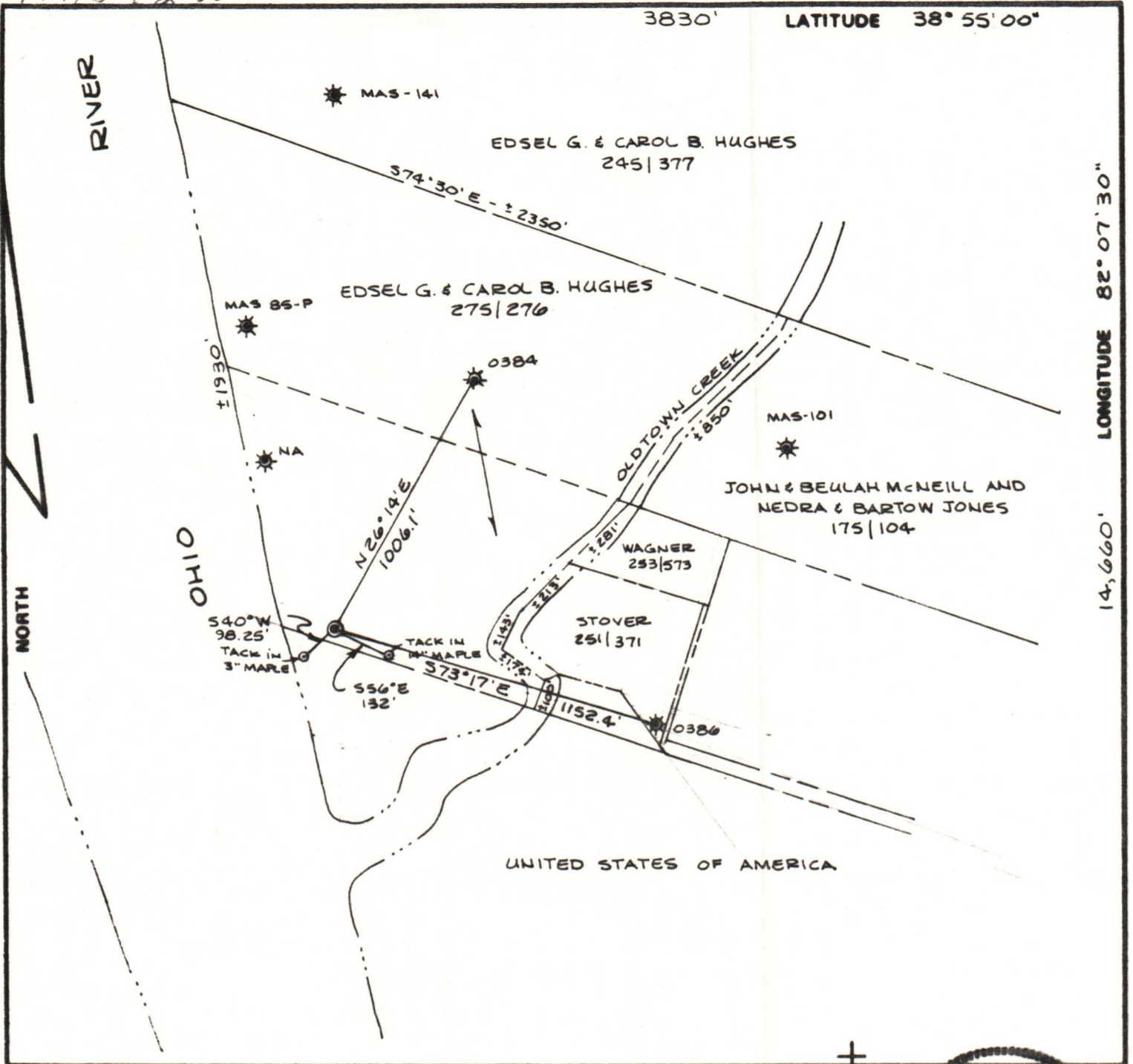
Notes

ML 7-2-85

3830'

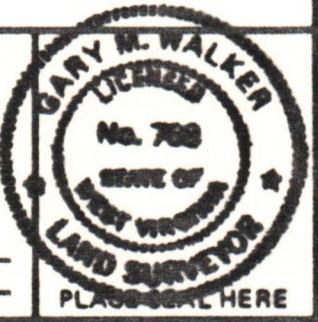
LATITUDE 38° 55' 00"

LONGITUDE 82° 07' 30"



FILE NO. 0945
 DRAWING NO. 13
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION WELL 0383

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) Gary M. Walker
 R.P.E. _____ L.L.S. #768



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



DATE MAY 9, 1985
 OPERATOR'S WELL NO. 3
 API WELL NO. 47-053-0405
 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 558 WATER SHED OHIO RIVER
 DISTRICT LEWIS COUNTY MASON
 QUADRANGLE ADDISON, OHIO - W. VA.
 SURFACE OWNER EDSEL G. & CAROL B. HUGHES ACREAGE ± 50
 OIL & GAS ROYALTY OWNER ROSENBERY LEASE ACREAGE ± 20
 LEASE NO. BOOK 58, PAGE 267
 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 2ND BEREA ESTIMATED DEPTH 1650'
 WELL OPERATOR KRAMER EXPLORATION CO. DESIGNATED AGENT RICHARD W. KNIGHT
 ADDRESS 2 WEST WINTER ST. SUITE 35 DELEWARE, OHIO 43015 ADDRESS 2903 PARRISH AVE. PT. PLEASANT, W. VA. 25550