



1) Date: July 2, 19 84  
 2) Operator's Well No. WK-338  
 3) API Well No. 47 095 1086  
 State County Permit

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

- 4) WELL TYPE: A Oil  / Gas  /  
 B (If "Gas", Production  / Underground storage  / Deep  / Shallow )  
 5) LOCATION: Elevation: 729.30 Watershed: xxxx Middle Island Creek (058)  
 District: Centerville 1 County: Tyler Quadrangle: West Union 7.5' 670  
 6) WELL OPERATOR Kepeco, Inc. 25900 7) DESIGNATED AGENT E. L. Stuart  
 Address 436 Blvd. of the Allies Address P. O. Box 1550  
Pittsburgh, PA 15219 Clarksburg, WV 26301  
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Robert Lowther Name Unknown  
 Address General Delivery Address \_\_\_\_\_  
Middlebourne, WV 26149  
 10) PROPOSED WELL WORK: Drill  / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate  July 18 1984  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_  
 Other physical change in well (specify) \_\_\_\_\_  
 11) GEOLOGICAL TARGET FORMATION, Devonian Shale OIL & GAS DIVISION  
 12) Estimated depth of completed well, 5995 feet DEPT. OF MINES  
 13) Approximate strata depths: Fresh, 35, 110 feet; salt, \_\_\_\_\_ feet.  
 14) Approximate coal seam depths: \_\_\_\_\_ Is coal being mined in the area? Yes \_\_\_\_\_ / No

RECEIVED

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	11-3/4	H-40	42		X	20	20		Kinds
Fresh water						140'	140'	CTS by rule 15.05	Sizes
Coal									Perforations:
Intermediate	8-5/8	J-55	23	X		1354	1354	Circulate	Top Bottom
Production	4-1/2	J-55	10.5	X			5900	as req. by rule 15.01	
Tubing									
Liners									

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-095-1086

August 7 19 84  
 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 August 7, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond <b>BLANKET</b> 87	Agent: <input checked="" type="checkbox"/> <u>ls</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>3566</u>
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T. L. ...  
 Administrator, Office of Oil and Gas

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





OFFICE USE ONLY

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

1) LOCATION: Elevation: \_\_\_\_\_ District: \_\_\_\_\_

2) WELL OPERATOR: \_\_\_\_\_ Address: \_\_\_\_\_

3) DRILLING CONTRACTOR: \_\_\_\_\_ Address: \_\_\_\_\_

4) PROPOSED WELL WORK: \_\_\_\_\_

5) GEOLOGICAL TARGET FORMATION: \_\_\_\_\_

6) APPROXIMATE COAL STRATIGRAPHY: \_\_\_\_\_

7) APPROXIMATE TEST DEPTHS: \_\_\_\_\_

8) ESTIMATED DEPTH OF COMPLETED WELL: \_\_\_\_\_

9) OTHER PHYSICAL CHANGE IN WELL (SPECIFY): \_\_\_\_\_

10) PERFORMING NEW FORMATION: \_\_\_\_\_

11) DEPT. OF MINES

12) RECEIVED

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	Follow-up inspection(s)
Well work started	" "
Completion of the drilling process	" "
Well Record received	" "
Reclamation completed	" "

OTHER INSPECTIONS

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

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

BlANKET

Assess ✓

Plan

Casing

Log

12/22/2008



# 2305



IV-9  
(Rev 8-81)

DATE June 28, 1984  
WELL NO. WK-338  
API NO. 47 - 095 - 1086

State of West Virginia  
Department of Mines  
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Kepeco, Inc. DESIGNATED AGENT E. L. Stuart  
Address 436 Blvd. of the Allies Address P. O. Box 1550  
Pittsburgh, PA 15219 Clarksburg, WV 26301  
Telephone (412) 971-7600 Telephone (304) 624-6575  
LANDOWNER T. Ferguson SOIL CONS. DISTRICT Upper Ohio  
Revegetation to be carried out by E. L. Stuart (Agent)

This plan has been reviewed by Upper Ohio SCD. All corrections  
and additions become a part of this plan: 7/6/84  
(Date) Kenneth R. Mason  
(SCD Agent)

RECEIVED  
JUL 18 1984

ACCESS ROAD

LOCATION OIL & GAS DIVISION  
DEPT. OF MINES

Structure Drainage Ditch (A)  
Along Access Road  
Spacing Inside Road Cuts  
Page Ref. Manual 2-12 to 2-14  
Structure Cross Drains (B)  
Spacing As Noted On Sketch  
Page Ref. Manual 2-1 to 2-6  
Structure Culvert (C)  
Spacing As Noted On Sketch  
Page Ref. Manual 2-7 to 2-11

Structure Diversion Ditch (1)  
Material Earth  
Page Ref. Manual 2-12 to 2-13  
Structure \_\_\_\_\_ (2)  
Material \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_  
Structure \_\_\_\_\_ (3)  
Material \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I

Treatment Area II

Lime 3.0 Tons/acre  
or correct to pH 6.5  
Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)  
Mulch Hay or straw 2.0 Tons/acre  
Seed\* Ky 31 Tall Fescue 40 lbs/acre  
Birdsfoot Trefoil 10 lbs/acre  
Dom Rye Grass 10 lbs/acre

Lime 3.0 Tons/acre  
or correct to pH 6.5  
Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)  
Mulch Hay or straw 2.0 Tons/acre  
Seed\* Ky 31 Tall Fescue 40 lbs/acre  
Birdsfoot Trefoil 10 lbs/acre  
Dom Rye Grass 10 lbs/acre

\*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount. J.N.B. *[Signature]*

PLAN PREPARED BY MSES Consultants 12/22/2023  
ADDRESS 609 West Main Street  
Clarksburg, WV 26301  
PHONE NO. 304-624-9700, 842-3325

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



ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP.

QUADRANGLE West Union 7.5' (1976)

**LEGEND**

Well Site ⊕

Access Road ———

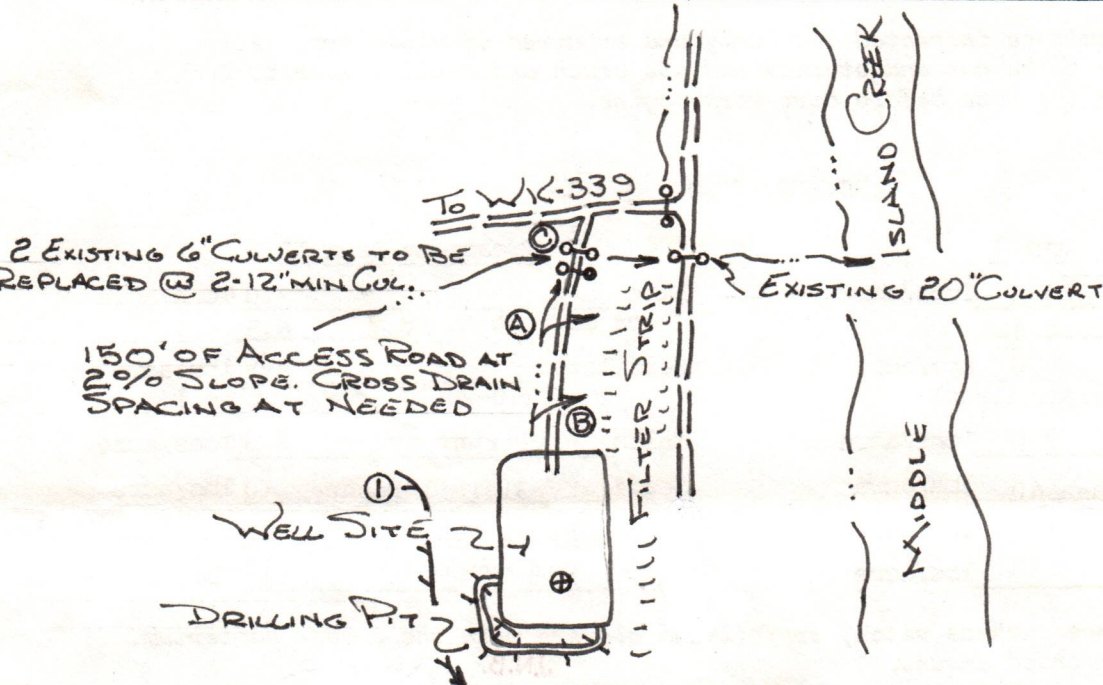


WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, well site, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

**LEGEND**

Property boundary ———▲———	Diversion ———/———/———/———/———
Road = = = = =	Spring ⊕→
Existing fence ———x———x———	Wet spot ⊕
Planned fence ———/———/———	Building ■
Stream ~ ~ ~ ~ ~	Drain pipe ———○———○———○———→
Open ditch ———>———>———>———>———>———	Waterway ⊕= = = =



NOT TO SCALE

Comments: Access to the well site will be gained by constructing approximately 150 feet of new access road, beginning at a junction point in the Tyler County Route 18/10. The access road will be sloped at 2-3% towards the open ditch. All outlets of drainage structures and ditches will be to stable areas. The well location will be located in a flat cleared area. All brush and timber will be removed from the area to be disturbed prior to any earth moving activities. The road and well site will be brought to desired grade with erosion control structures being installed in conjunction with the grading. Natural vegetation (filter strip) will remain undisturbed in areas between construction and natural water courses.

12/22/2023



1) Date: July 3, 1984  
2) Operator's Well No. WK-338  
3) API Well No. 47 095 1086  
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 Thelma Ferguson  
Address Rt. 2, Box 186  
Pennsboro, WV 26415

(ii) Name \_\_\_\_\_  
Address \_\_\_\_\_

(iii) Name \_\_\_\_\_  
Address \_\_\_\_\_

5(i) COAL OPERATOR \_\_\_\_\_  
Address \_\_\_\_\_

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name NO COAL  
Address \_\_\_\_\_

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

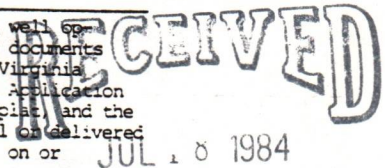
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

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.)

OIL & GAS DIVISION  
DEPT. OF MINES

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  
Mr. H. E. Gardner

WELL OPERATOR Kepeco, Inc.

By [Signature]  
Its Operations Manager  
Address 436 Blvd. of the Allies  
Pittsburgh, PA 15216  
Telephone 412-391-7760

this 12 day of July, 1984.

My commission expires Oct. 14, 1992.

Carol F. Jones  
Notary Public, Harrison County,  
State of West Virginia

12/22/2023



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

CONCERNING THE LINE ITEMS:

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

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

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

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

I N F O R M A T I O N S U P P L I E D U N D E R C O D E § 22-4-11 (d)

I N L I E U O F F I L I N G L E A S E ( S ) A N D O T H E R C O N T I N U I N G C O N T R A C T ( 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>
Thelma Ferguson (Agent)	Kepeco, Inc.	1/8	249/71





1) Date: July 2, 19 84  
 2) Operator's Well No. WK-338  
 3) API Well No. 47 895 1086  
 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: 729.30 Watershed: Iking Middle Island Creek  
 District: Centerville County: Tyler Quadrangle: West Union 7.5'
- 6) WELL OPERATOR Keeco, Inc. 7) DESIGNATED AGENT E. L. Stuart  
 Address 436 Blvd. of the Allies Address P. O. Box 1550  
Pittsburgh, PA 15219 Clarksburg, WV 26301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Robert Lowther Name Unknown  
 Address General Delivery Address \_\_\_\_\_  
Middlebourne, WV 26149
- 10) PROPOSED WELL WORK: Drill X / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate \_\_\_\_\_  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Devonian Shale  
 12) Estimated depth of completed well, 5995 feet  
 13) Approximate trata depths: Fresh, 35, 110 feet; salt, \_\_\_\_\_ feet.  
 14) Approximate coal seam depths: \_\_\_\_\_ Is coal being mined in the area? Yes \_\_\_\_\_ / No X /

**RECEIVED**  
 JUL 18 1984  
 OIL & GAS DIVISION  
 DEPT. OF MINES

**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	<u>1-3/4</u>	<u>H-40</u>	<u>42</u>		<u>X</u>	<u>20</u>	<u>20</u>		Kinds
Fresh water									
Coal									Sizes
Intermediate	<u>3-5/8</u>	<u>J-55</u>	<u>23</u>	<u>X</u>		<u>1354</u>	<u>1354</u>	<u>Circulate</u>	
Production	<u>1-1/2</u>	<u>J-55</u>	<u>10.5</u>	<u>X</u>			<u>5900</u>		Depths set
Tubing									
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.

47-095-1086

August 7

84

**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.

August 7, 1986

(For execution by corporation, partnership, etc.)

(For execution by natural persons)

NAME: \_\_\_\_\_

x Thelma Ferguson Date: 7/13/84  
 (Signature)

By \_\_\_\_\_

\_\_\_\_\_  
 (Signature) Date: \_\_\_\_\_

Its \_\_\_\_\_ Date \_\_\_\_\_



**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.







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

Perforate 9-20-84 Perfeo Wireline Co.  
 4231 - 4263 Avg. Press 2550 psig, Avg. Rate 25 BPM  
 4635 - 4640 Avg. Press 2350 psig, Avg. Rate 20 BPM  
 5549 - 5609 Avg. Press 3000 psig, Avg. Rate 29 BPM

Fractured 9-20-84 Halliburton Services, Waterfrac with Nitrogen Assist  
 1st stage - 17,500 lbs. 20/40 sand  
 2nd stage - 30,000 lbs. 20/40 Sand  
 3rd stage - 5,000 lbs. 80/100 Sand and 20,000 lbs. 20/40 Sand

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Clay			0	10	
Sand			10	20	
Shale and Red Rock			20	65	
Sand			65	80	
Shale			80	130	
Red Rock			130	145	
Sand			145	165	
Shale			165	175	
Sand			175	195	
Red Rock			195	215	
Sand			215	225	
Red Rock and Shale			225	235	
Sand			235	315	
Red Rock and Shale			315	473	
Sand and Shale			473	536	
Red Rock and Shale			536	570	
Sand and Shale			570	630	
Red Rock and Shale			630	710	
Sand			710	745	
Sand and Shale			745	975	
Sand			975	1010	
Sand and Shale			1010	1125	
Sand			1125	1160	
Shale			1160	1190	
Sand			1190	1220	
Shale			1220	1385	
Sand			1385	1402	From Electric Log
Sand and Shale			1402	1582	
Big Lime			1582	1602	
Big Injun			1602	1796	
Shale			1796	1956	
Weir Sand			1956	2066	
Shale			2066	2146	
Berea Sand			2146	2151	
Shale			2151	2574	
5th Sand			2574	2582	
Shale			2582	4231	

(Attach separate sheets as necessary)

Kepeco, Inc.  
Well Operator

By: \_\_\_\_\_ Chief Geologist  
 Date: \_\_\_\_\_ 12/22/2023

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."



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

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Riley			4231	4263	
Shale			4263	4636	
Benson			4636	4644	
Shale			4644	5540	
Rhinestreet			5540	5656	
	TD			5656	

**RECEIVED**  
DEC 21 1984  
OIL & GAS DIVISION  
DEPT. OF MINES

(Attach separate sheets as necessary)

Kepeco, Inc.  
Well Operator  
By: David G. Cannon Chief Geologist  
Date: 12/22/2023

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



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

RECEIVED  
SEP 14 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 095-1086

Oil or Gas Well  
(KIND)

Company <u>Kepko INC</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>Pittsburgh PA</u>	Size			
Farm <u>Thelma Ferguson</u>	16			Kind of Packer
Well No. <u>WK 338</u>	13			
District <u>Centerville</u> County <u>Tyler</u>	<del>10</del> <u>11 3/4</u>	<u>163</u>	<u>163</u>	Size of
Drilling commenced <u>Sept 6, 1984</u>	8 1/4	<u>1355</u>	<u>1355</u>	Depth set
Drilling completed _____ Total depth <u>2350</u>	6 1/2			
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom
Volume _____ Cu. Ft.	Liners Used			Perf. top
Rock pressure _____ lbs. _____ hrs.				Perf. bottom
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED <u>11 3/4</u> SIZE <u>163</u> No. FT. <u>9-8-84</u> Date			
Fresh water <u>220</u> feet <u>413</u> feet	NAME OF SERVICE COMPANY <u>Halliburton</u>			
Salt water <u>1200</u> feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names \_\_\_\_\_

Remarks:

8 5/8 cemented 9-9-84  
11 3/4 cemented with 75 sks neat cement  
8 5/8 cemented with 310 sks

Sept 11, 1984  
DATE

R.A. Louth  
12/22/2023







STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OFFICE OF OIL AND GAS  
CHARLESTON 25305  
FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT

**RECEIVED**  
APR 29 1985  
OIL & GAS DIVISION  
DEPT. OF MINES

Company: KEPCO INC  
Farm: THELMA FERGUSON ETAL

Well: WK-338

Permit No. 47- 95-1086  
County: TYLER

Rule	Description	In Compliance	
		Yes	No
23.06	Notification prior to starting work	✓	-----
25.04	Prepped before drilling to prevent waste	✓	-----
25.03	High pressure drilling	✓	-----
16.01	Required permits at wellsite	✓	-----
15.03	Adequate Fresh Water Casings	✓	-----
15.02	Adequate Coal Casings	✓	-----
15.01	Adequate Production Casings	✓	-----
15.04	Adequate Cement Strength	✓	-----
15.05	Cement Type	✓	-----
23.02	Maintained Access Roads	✓	-----
25.01	Necessary Equipment to Prevent Waste	✓	-----
23.04	Reclaimed Drillings Pits	✓	-----
23.05	No Surface or Underground Pollution	✓	-----
23.07	Requirements for Production & Gathering Pipelines	✓	-----
16.01	Well Records on Site	✓	-----
1 ) 2	Well Records Filed	✓	-----
7.05	Identification Markings	✓	-----

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

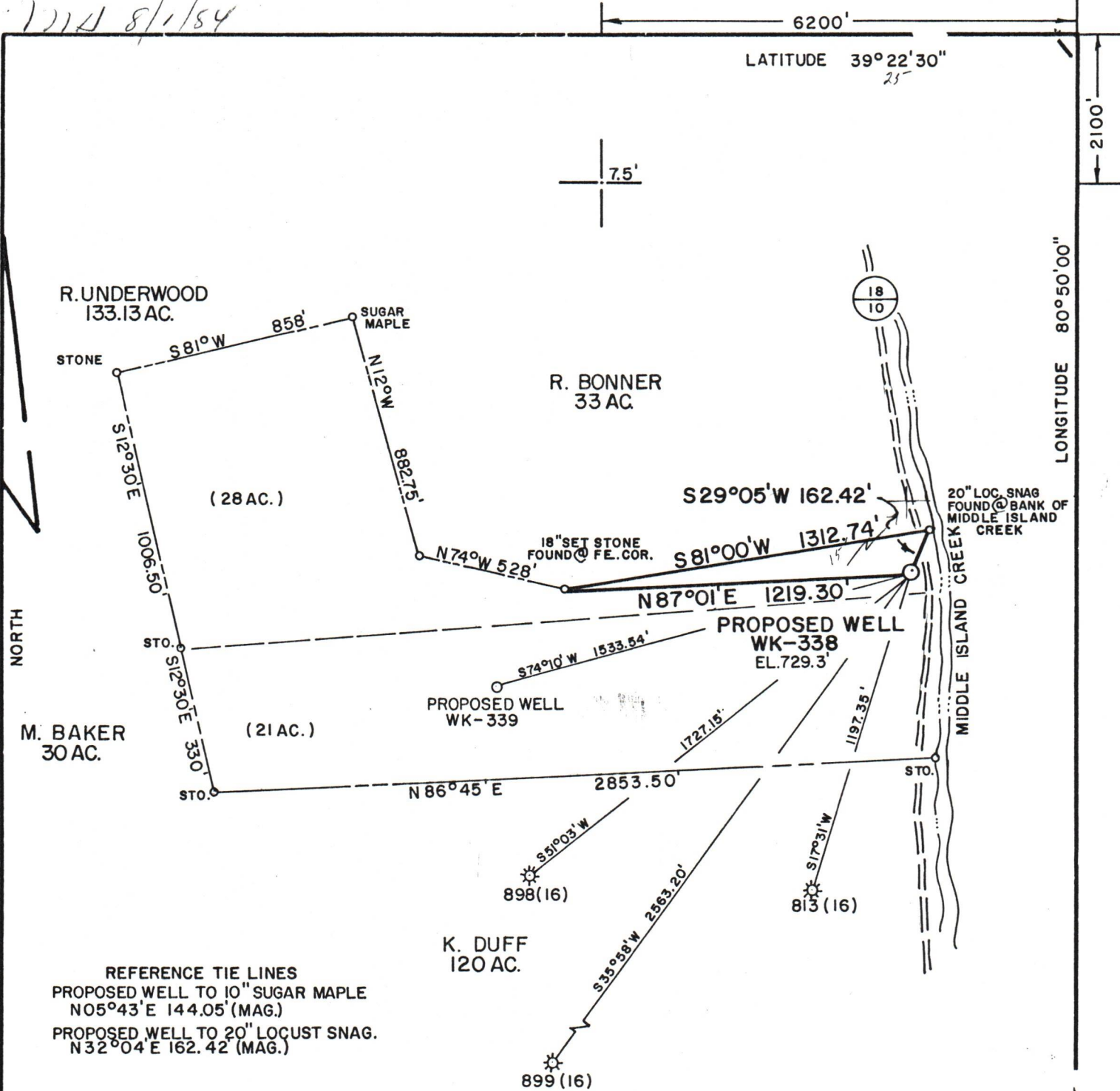
SIGNED R.A. Lowther  
DATE april 24, 1985

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

T.H. v. B.B.  
-----  
Administrator  
-----  
April 30, 1985  
-----  
Date



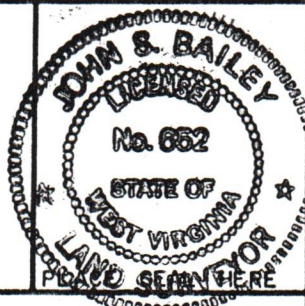
12114 8/1/84



REFERENCE TIE LINES  
 PROPOSED WELL TO 10" SUGAR MAPLE  
 N05°43'E 144.05'(MAG.)  
 PROPOSED WELL TO 20" LOCUST SNAG.  
 N32°04'E 162.42 (MAG.)

FILE NO. MSES84-427  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1"=500'  
 MINIMUM DEGREE OF ACCURACY 1/1N 200  
 PROVEN SOURCE OF ELEVATION USGS DISK @ BRIDGE ON ROUTE 78 EL. 734

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) John S. Bailey  
 R. P. E. \_\_\_\_\_ L. L. S. 652



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



DATE JUNE 27, 1984  
 OPERATOR'S WELL NO. WK-338  
 API WELL NO. \_\_\_\_\_  
47 - 095 - 1086  
 STATE COUNTY PERMIT

Department of Mines  
 Oil & Gas Division

WELL TYPE: OIL \_\_\_\_\_ GAS X LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS", PRODUCTION X STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW X \_\_\_\_\_)  
 LOCATION: ELEVATION 729.30' WATER SHED MIDDLE ISLAND CREEK  
 DISTRICT CENTERVILLE COUNTY TYLER  
 QUADRANGLE WEST UNION 7.5' (1976)  
 SURFACE OWNER THELMA FERGUSON ET AL. ACREAGE 49  
 OIL & GAS ROYALTY OWNER THELMA FERGUSON ET AL. LEASE ACREAGE 49  
 LEASE NO. KW-941  
 PROPOSED WORK: DRILL X CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ F. DRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 5995'  
 WELL OPERATOR KEPCO, INC. DESIGNATED AGENT E. L. STUART  
 ADDRESS 436 BLVD. OF THE ALLIES ADDRESS P.O. BOX 1550  
PITTSBURGH, PA. 15219 CLARKSBURG, W.V. 26301

TYL 1086