

**RECEIVED**  
SEP 12 1985



1) Date: September 6, 1985  
 2) Operator's Well No. Bramer #1  
 3) API Well No. 47 033 - 3253  
 State County Permit

STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY, 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: 1380 Watershed: Little Rock Camp  
 District: Sardis County: Harrison Quadrangle: Wolf Summit 69/
- 6) WELL OPERATOR Ensource Inc. CODE: 16100 7) DESIGNATED AGENT Michael W. Nugen  
 Address P. O. Drawer 1738 Address SAME  
Clarksburg, WV 26301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Stephen Casey 9) DRILLING CONTRACTOR:  
 Address Rt 2., Box 232-D Name \_\_\_\_\_  
Jane Lew, WV 26378 Address \_\_\_\_\_
- 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, 5th Sand
- 12) Estimated depth of completed well, 3000' feet
- 13) Approximate trata depths: Fresh, 100 feet; salt, 1350 feet.
- 14) Approximate coal seam depths: NA 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	11 3/4	H-40	42#	X		30'	30'	30 SKS	Kinds
Fresh water									
Coal									Sizes
Intermediate	8 3/4	J	24#	X		1400'	1400'	350 SKS	CTS
Production	4 1/2	J	10.5#	X		3000'	3000'	300 SKS	Depths set
Tubing									
Lin. .									Perforations:
									Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-033-3253

September 13 1985  
 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 September 13, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent: <u>RLB</u>	Plat:	Casing	Fee <u>1374</u> <u>1371</u>	WPCP	S&E	Other
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NOTE: Keep one copy of this permit posted at the drilling location.

Jerry M. Tophal  
 Director, Division of Oil and Gas

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

11/10/2023 File

OFFICE USE ONLY

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

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

2) LOCATION: Little Rock Camp

3) WELL OPERATOR: Ensource Inc.

4) ADDRESS: P. O. Drawer 1738, Clarkspurg, W. Va. 26307

5) DRILLING CONTRACTOR: Stephen Casey, Rt. 2, Box 232-D, Jane Lew, W. Va. 26378

6) PROPOSED WELL WORK:  Drilling  Completion  Testing  Other

7) GEOLOGICAL TARGET FORMATION: 3000' 100'

8) CASING AND TUBING PROGRAM: NA

DATE	DESCRIPTION	INITIALS	DATE	DESCRIPTION	INITIALS
30 SKS			30		
300 SKS			300		

OFFICE USE ONLY

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

	Date	Date(s)
Application received		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

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

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



1) Date: September 6, 19 85  
 2) Operator's Well No. Bramer #1  
 3) API Well No. 47 033 -3253  
 State County Permit

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

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil X / Gas X /  
 B (If "Gas", Production X / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow X /)
- 5) LOCATION: Elevation: 1380 Watershed: Little Rock Camp  
 District: Sardis County: Harrison Quadrangle: Wolf Summit
- 6) WELL OPERATOR Ensource Inc. CODE 16100 7) DESIGNATED AGENT Michael W. Nugen  
 Address P. O. Drawer 1738 Address SAME  
Clarksburg, WV 26301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Stephen Casey 9) DRILLING CONTRACTOR:  
 Address Rt 2., Box 232-D Name \_\_\_\_\_  
Jane Lew, WV 26378 Address \_\_\_\_\_
- 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, 5th Sand
- 12) Estimated depth of completed well, 3000' feet
- 13) Approximate true depths: Fresh, 100 feet; salt, 1350 feet.
- 14) Approximate coal seam depths: NA 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	<u>11 3/4</u>	<u>H-40</u>	<u>42#</u>	<u>X</u>		<u>30'</u>	<u>30'</u>	<u>30 sks</u>	Kinds
Fresh water									
Coal Intermediate	<u>8 3/4</u>	<u>J</u>	<u>24#</u>	<u>X</u>		<u>1400'</u>	<u>1400'</u>	<u>350 sks</u>	<u>CTS</u>
Production	<u>4 1/2</u>	<u>J</u>	<u>10.5#</u>	<u>X</u>		<u>3000'</u>	<u>3000'</u>	<u>300 sks</u>	Depths set
Tubing									
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 22B-1-15, 16, or 17 must be filed with the Department of Energy 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 22B-1-36 if the permit is to be issued within fifteen (15) days of the filing of the Application.

WAIVER


The undersigned coal operator September 13, 1987 / 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: [Signature]  
 Its: [Signature] **11/10/2023**

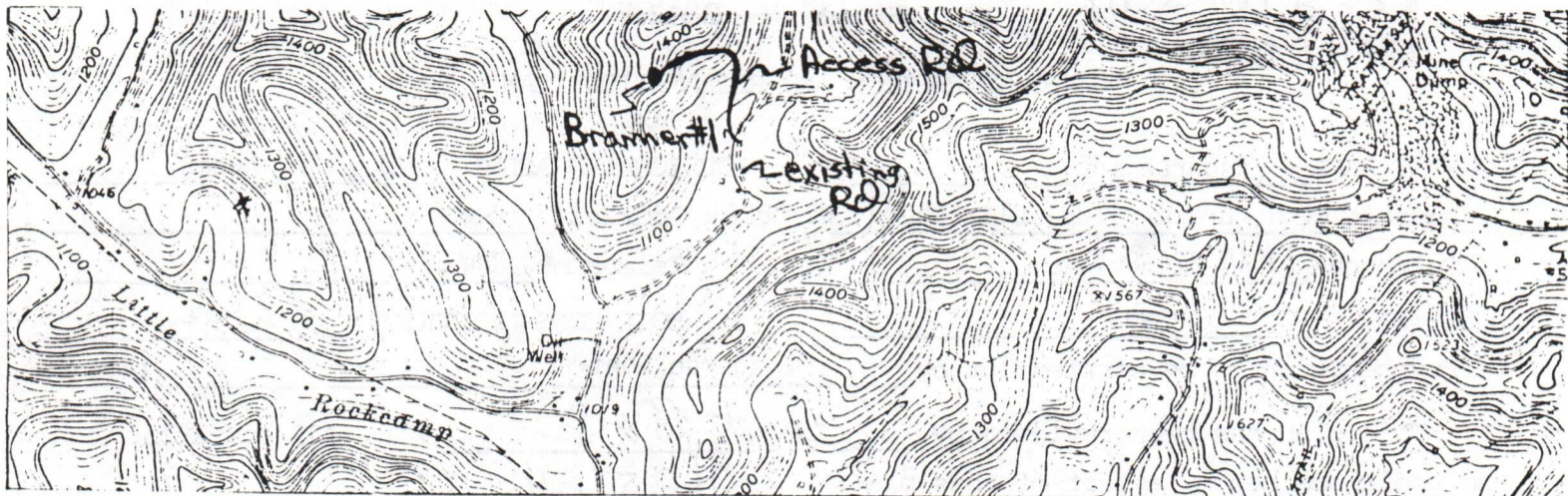


ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Wolf Summit 7.5'

**LEGEND**

Well Site 





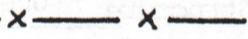

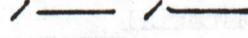


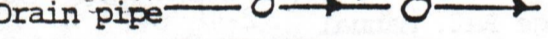
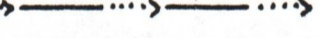

Access Road 

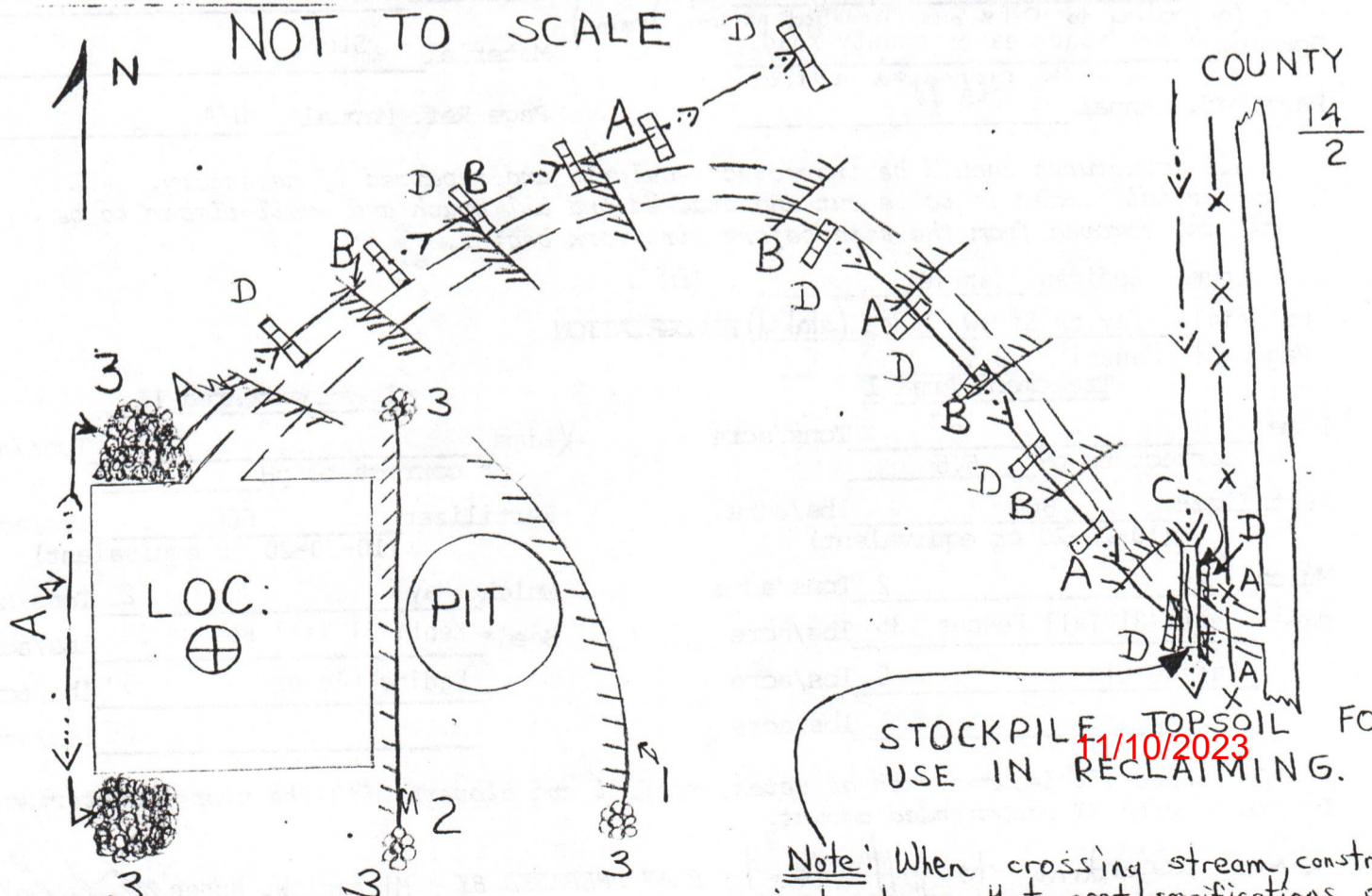


WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, wells, 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 	Wet spot 
Planned fence 	Building 
Stream 	Drain pipe 
Open ditch 	Waterway 



Note: Natural vegetation (filter strip) will remain undisturbed in areas between construction & natural water courses.

Note: When crossing stream construct structures that meet specifications on pg. 2-20 (sec. 10) in Oil & Gas Manual

1) Date: September 6, 1985  
Operator's \_\_\_\_\_  
2) Well No. Bramer #1  
3) API Well No. 47 - 033 - 3253  
State County Permit \_\_\_\_\_

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL & GAS  
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED  
(i) Name Gary C. Knight  
Address Rt. 1, Box 172-A  
Wallace, WV 26448  
(ii) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(iii) Name \_\_\_\_\_  
Address \_\_\_\_\_

5 (i) COAL OPERATOR \_\_\_\_\_  
Address \_\_\_\_\_  
5 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
5 (iii) COAL LESSEE WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

Gary C. Knight

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

- (1) The Application for a Well Work Permit on Form WW-2(B) which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form WW-6, and
- (3) The Construction and Reclamation Plan on Form WW-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION WW-2(B) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22B of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Director of the Division of Oil and Gas, with respect to a well at the location described on attached Application and depicted on attached Form WW-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Director of the Division of Oil and Gas.

6) EXTRACTION RIGHTS

Check and provide one of the following:  
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.  
 The requirement of Code 22B-1-8(c)(1) through (4). (see reverse side for specifics.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes  No

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

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

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well operator in my County and State by Michael W. Nugen

this 6th day of September, 1985,  
My commission expires March 23, 1993.

Wynne L. Carden  
Notary Public, Harrison County,  
State of West Virginia

WELL OPERATOR Ensource Inc.  
By Michael W. Nugen Michael W. Nugen  
Its District Manager  
Address P. O. Drawer 1738  
Clarksburg, WV 26301  
Telephone (304) 624-9653

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

RECEIVED  
SEP 12 1985

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

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Division of Oil & gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code §22B-1-9(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii, iiiii) See Code §22B-1-36.
- 6) See Code §22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § § 22-4-11 (d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code §22B-1-6 and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22B-1-2C and the reclamation required by Code §22B-1-30 and Regulation 23; (iv) unless previously paid on the same well, the fees required by Code §22B-1-2(c) and 22B-1-29, and (v) if applicable, the consent required by Code §22B-1-21 from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22B-1-9, 22-B-1-13 and 22B-1-14.

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INFORMATION SUPPLIED UNDER CODE §22B-1-8(d)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

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

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

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book</u>	<u>page</u>
Ralph W. Bramer	Richard McQuaid	7/8	1110	365
Richard McQuaid	Ensource Inc.	7/8	1122	1040

11/10/2023





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 22B, Article 1 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 Director of the Division of Oil and Gas in the West Virginia Department of Energy immediately.

NOTE : YOU ARE NOT REQUIRED TO FILE ANY COMMENT AT ALL.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION :

Director, Division of Oil and Gas  
West Virginia Department of Energy  
1615 Washington Street, East  
Charleston, West Virginia 25311-2192  
(304) - 348 - 3500

Who may file comments? If you wish to file comments, you must be an owner of record of (1) and 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 over 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 Director'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 Director's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Director 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 Director.

List of Water Testing Laboratories. The Director 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 Director's office or an Oil and Gas Inspector to obtain a copy of the list.

AFFIDAVIT OF PERSONAL SERVICE ON SURFACE OWNER

RECEIVED SEP 12 1985

STATE OF West Virginia
COUNTY OF Harrison

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of--

- (1) Notice on Form WW-2(A) X / Form WW-3(A) / Form WW-4(A) /
(2) Application on Form WW-2(B) X / Form WW-3(B) / Form WW-4(B) /
(3) Plat showing the well location on Form WW-6, and
(4) Construction and Reclamation Plan on Form WW-9 (unless the application is to plug a well)

--all with respect to operator's Well No. Bramer #1 located in Sardis District, Harrison County, West Virginia, upon the person or organization named--

Gary C. Knight

--by delivering the same in Harrison County, State of West Virginia on the 10th day of September, 1985 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

- [X] Handing it to him X / her / or, because he / she / refused to take it when I offered it, by leaving it in his / her / presence.
[ ] Handing it to a member of his or her family above the age of 16 years named who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

- [ ] Handing it to, a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

- [ ] Handing it to the general partner, named, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

- [ ] Handing it to the corporation's employee / officer / director / attorney in fact / named.

(Signature of person executing service)

Taken, subscribed and sworn before me this 10th day of September, 1985. My commission expires March 23, 1993

Notary Public

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)

RECEIVED  
SEP 12 1985

SITE REGISTRATION APPLICATION FORM  
STATE OF WEST VIRGINIA/NPDES GENERAL PERMIT FOR OIL AND GAS  
DRILLING PIT WASTE DISCHARGE  
DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

1. Company Name Ensource Inc.
2. Mailing Address P. O. Drawer 1738 Clarksburg, WV 26301  
street city state zip
3. Telephone (304) 624-9653 4. Well Name Bramer #1
5. Latitude 39°27'30" Longitude 80°27'30"
6. NPDES # WV0073343 7. Dept. Oil & Gas Permit NO. 47-033-3253
8. County Harrison 9. Nearest Town Marshville
10. Nearest Stream Little Rock Camp 11. Tributary of Rock Camp Run
12. Will Discharge be Contracted Out? yes X no
13. If Yes, Proposed Contractor The Coastal Corp.  
Address 3501 Emerson Ave., Parkersburg, WV 26104  
Telephone (304) 428-3471
14. Proposed Disposal Method: UIC        Land application X  
Off Site Disposal        Reuse        Centralized Treatment         
Thermal Evaporation        Other
15. Attach to this application a topographic map (a duplicate of the one submitted to the Office of Oil and Gas) showing the outline of the facility, location of wells, springs, rivers and other surface water bodies, and drinking water wells known to the applicant in the area of the lease that may be impacted by any land application.

Nothing in the general permit shall be deemed in any way to create new, or enlarge existing, rights of riparian owners or others. Neither does anything in the general permit create new, or enlarge existing, obligations or duties of an operator pursuant to the requirements of W. Va. Code S22-4-1 et seq. The issuance of the general permit does not convey any property rights of any sort. Nor shall the issuance of the general permit give rise to any presumptions of law or findings of fact inuring to or for the benefit of persons other than the State of West Virginia.



WR-35

RECEIVED  
NOV 4 - 1985

DIVISION OF OIL & GAS  
DEPT. OF ENERGY

State of West Virginia  
DEPARTMENT OF ENERGY  
Oil and Gas Division

Date October 31, 1985  
Operator's  
Well No. \_\_\_\_\_  
Farm Bramer #1  
API No. 47 - 033 - 3253

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: 1380 Watershed Little Rock Camp  
District: Sardis County Harrison Quadrangle Wolf Summit

COMPANY Ensource Inc.  
ADDRESS P. O. Drawer 1738, Clarksburg, WV  
DESIGNATED AGENT Michael W. Nugen 26301  
ADDRESS Same  
SURFACE OWNER Gary C. Knight  
ADDRESS Rt. 1, Box 172-A, Wallace, WV 26448  
MINERAL RIGHTS OWNER Ralph W. Bramer  
ADDRESS Rt. 2, Wallace, WV 26448  
OIL AND GAS INSPECTOR FOR THIS WORK Stephen Casey  
ADDRESS Rt 2, Box 232-D Jane Lew, WV 26378  
PERMIT ISSUED September 13, 1985  
DRILLING COMMENCED 9/23/85  
DRILLING COMPLETED 9/26/85

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	1400.7'	1400.7'	310 sks
7			
5 1/2			
4 1/2	3168'	3168'	130 sks
3			
2 1/2	----	----	----
Liners used			

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

GEOLOGICAL TARGET FORMATION 5th Sand Depth 3000' feet  
Depth of completed well 3223 feet Rotary  / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh 100 feet; Salt 1350 feet  
Coal seam depths: N/A Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation 50' & Gordon Pay zone depth 2712-2963 feet  
Gas: Initial open flow TSTM Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 940 Mcf/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 4 hours  
Static rock pressure 720 psig (surface measurement) after 24 hours shut in  
(If applicable due to multiple completion--)

Second producing formation \_\_\_\_\_ Pay zone depth 11/10/2023 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)

HARR 3253

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

Perforate 1st Stage w/select fire gun: 2963' (2) shots, 2954' (2) shots, 2923' (1) shot, 2917' (2) shots, 2906-10' (4) shots. Fraced w/674 bbls 750 foam, put away 30,000# 20/40 sand.

Perforate 2nd Stage 2859' (2) shots, 2799-2801' (4) shots, 2728' (2) shots, 2724' (2) shots, 2720' (2) shots, 2712' (1) shot.

Fraced w/360 bbls gelled water, put away 20,000# 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
Red Rock	Red	(Soft)	0	15	
Sand	Gray	(Hard)	15	40	
Shale	Gray	(Soft)	40	55	
Sand	Gray	(Hard)	55	65	
Red Rock	Red	(Soft)	65	70	
Sand	Gray	(Hard)	70	128	
Shale	Gray	(Soft)	128	150	
Red Rock	Red	(Soft)	150	156	
Sand	Gray	(Hard)	156	162	
Shale	Gray	(Soft)	162	334	
Coal	Black	(Soft)	334	340	
Shale	Gray	(Soft)	340	353	
Red Rock	Red	(Soft)	353	375	
Shale	Gray	(Soft)	375	655	
Red Rock	Red	(Soft)	655	660	
Sand	Gray	(Hard)	660	665	
Red Rock	Red	(Soft)	665	675	
Shale	Gray	(Soft)	675	795	
Red Rock	Red	(Soft)	795	822	
Shale	Gray	(Soft)	822	885	
Red Rock	Red	(Soft)	885	905	
Shale	Gray	(Soft)	905	1035	
Red Rock	Red	(Soft)	1035	1060	
Shale	Gray	(Soft)	1060	1220	
Sand	Gray	(Med.)	1220	1235	
Shale	Gray	(Soft)	1235	1445	
Sand	Brown	(Hard)	1445	1475	
Shale	Gray	(Soft)	1475	1668	
Sand	Gray	(Hard)	1668	1826	
Shale	Gray	(Soft)	1826	1856	
Sand	Gray	(Hard)	1856	2100	
Big Lime	Gray	(Hard)	2100	2240	
Sand	Gray	(Med.)	2240	2300	
Shale	Gray	(Soft)	2300	2330	
Sand	Gray	(Med)	2330	2490	
Shale	Gray	(Soft)	2490	2714	
Sand	Gray	(Med.)	2714	2725	

(continued)

(Attach separate sheets as necessary)

Ensource Inc.

Well Operator

By: Michael W. Nugen Michael W. Nugen  
 Date: October 31, 1985 11/10/2023

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
(continued)					
Shale	Gray	(Soft)			
Sand	Gray	(Med.)	2725	2820	
Shale	Gray	(Soft)	2820	2840	
Sand	Gray	(Med.)	2840	2870	
Shale	Gray	(Soft)	2870	2933	
Sand-Shale	Gray	(Med.)	2933	2988	
Shale	Gray	(Soft)	2988	2997	
Shale	Dk.	(Soft)	2997	3140	
Shale	Gray	(Soft)	3140	3194	
			3194	3223	T.D.
Geological Formations:					
50'			2950	2964	
Gordon			2792	2804	
30'			2710	2728	
Big Lime			2100	2240	
Injun			2240	2300	

(Attach separate sheets as necessary)

Ensorce Inc.

Well Operator

By: Michael W. Nugen Michael W. Nugen

Date: October 31, 1985

11/10/2023

HARR 3253

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."

**RECEIVED**  
NOV 4 - 1985

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION

Operator's Well No. Bramer #1  
API Well No. 47 - 033 - 3253  
State County Permit

DIVISION OF OIL & GAS  
**DEPT. OF ENERGY**

WELL OPERATOR'S REPORT  
OF  
INITIAL GAS-OIL RATIO TEST

WELL OPERATOR Ensource Inc.  
Address P. O. Drawer 1738  
Clarksburg, WV 26301

DESIGNATED AGENT Michael W. Nugen  
Address Same

GEOLOGICAL TARGET FORMATION: 50 ft, Gordon Depth 3223 feet  
Perforation Interval 2712-2963 feet

GUIDELINES FOR TESTING:

- 1- A minimum of gas vented or flared
- 2- A 24 hour preflow into pipelines or tanks
- 3- Uniform producing rate during the 24 hour test per test period
- 4- Measurement standards as for Form IV-39, "Report of Annual Production" (see Regulation 21.01)
- 5- Separate Form IV-36 for each producing formation in a multiple completion

TEST DATA				
START OF TEST-DATE <u>10/28/85</u>	TIME <u>9:00</u>	END OF TEST-DATE <u>10/29/85</u>	TIME <u>9:00</u>	DURATION OF TEST <u>24 hrs.</u>
TUBING PRESSURE <u>400#</u>	CASING PRESSURE <u>720#</u>	SEPARATOR PRESSURE <u>50#</u>	SEPARATOR TEMPERATURE <u>60° F. (est.)</u>	
OIL PRODUCTION DURING TEST <u>28</u> bbls.	GAS PRODUCTION DURING TEST <u>25</u> Mcf	WATER PRODUCTION DURING TEST & SALINITY <u>3</u> bbls. --- ppm.		
OIL GRAVITY <u>51</u>	*API	PRODUCING METHOD (Flowing, pumping, gas lift, etc.) <u>Gas lift</u>		

GAS PRODUCTION		
MEASUREMENT METHOD FLANGE TAP <input checked="" type="checkbox"/> PIPE TAP <input type="checkbox"/> L-10 <input type="checkbox"/>	POSITIVE CHOKE <input checked="" type="checkbox"/> CRITICAL FLOW PROVER <input type="checkbox"/>	
ORIFICE DIAMETER <u>1/2"</u>	PIPE DIAMETER (INSIDE DIAM.)	NOMINAL CHOKE SIZE - IN. <u>8/64"</u>
DIFFERENTIAL PRESSURE RANGE <u>0-100</u>	MAX. STATIC PRESSURE RANGE <u>0-500</u>	PROVER & ORIFICE DIA. - IN. <u>N/A</u>
DIFFERENTIAL <u>4"</u>	STATIC <u>50#</u>	GAS GRAVITY (Air=1.0) MEASURED ESTIMATED <u>.65</u>
GAS GRAVITY (Air=1.0) <u>.65</u>	FLOWING TEMPERATURE <u>60° F (est.)</u>	GAS TEMPERATURE <u>60</u> °F
24 HOUR COEFFICIENT.	24 HOUR COEFFICIENT PRESSURE - psia	

TEST RESULTS			
DAILY OIL <u>28</u> bbls.	DAILY WATER <u>3</u> bbls.	DAILY GAS <u>25</u> Mcf.	GAS-OIL RATIO <u>0.8928</u> SCF/STB

Ensource Inc.

Well Operator

By: Michael W. Nugen Michael W. Nugen  
Its: District Manager

11/10/2023

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NOV 4 - 1983

DEPT. OF ENERGY  
DIVISION OF OIL & GAS

Michael W. Ryan

11/10/2023



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

30 SEP 8 11 21  
RECL  
-CHES-

INSPECTOR'S WELL REPORT

Permit No. 33-3253

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company Ensource Inc.  
 Address \_\_\_\_\_  
 Farm G. Knight  
 Well No. Brammer 1  
 District Sardin County Haw.  
 Drilling commenced 9-22-85  
 Drilling completed \_\_\_\_\_ Total depth \_\_\_\_\_  
 Date shot \_\_\_\_\_ Depth of shot \_\_\_\_\_  
 Initial open flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
 Open flow after tubing \_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
 Volume \_\_\_\_\_ Cu. Ft.  
 Rock pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
 Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
 Fresh water 500 feet \_\_\_\_\_ feet  
 Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 5/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_ Date \_\_\_\_\_  
 NAME OF SERVICE COMPANY \_\_\_\_\_  
 COAL WAS ENCOUNTERED AT 334 FEET 72 INCHES  
353 FEET 24 INCHES FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Drillers' Names Coastal 1

Remarks: 8 5/8 at 1390' 310 SX Halliburton

9-23-85  
DATE

Steve Campbell  
11/10/2023  
DISTRICT WELL INSPECTOR



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

RECEIVED  
DEPARTMENT OF ENERGY  
OIL AND GAS

FINAL INSPECTION REQUEST  
INSPECTOR'S COMPLIANCE REPORT

JUN 4 1986

9-13-85

Permit No. 33-3253 County Harr.  
Company Ensource Farm Knight  
Inspector \_\_\_\_\_ Well No. Bramur 1  
Date \_\_\_\_\_

RULE	DESCRIPTION	IN COMPLIANCE	
		Yes	No
23.06	Notification Prior to starting Work	_____	_____
25.04	Prepared before Drilling to prevent waste	_____	_____
25.03	High-Pressure Drilling	_____	_____
16.01	Required Permits at wellsite	_____	_____
15.03	Adequate Fresh Water Casing	_____	_____
15.02	Adequate Coal Casing	_____	_____
15.01	Adequate Production Casing	_____	_____
15.04	Adequate Cement Strength	_____	_____
23.02	Maintained Access Roads	_____	_____
25.01	Necessary Equipment to prevent Waste	_____	_____
23.03	Reclaimed Drilling Site	_____	_____
23.04	Reclaimed Drilling Pits	_____	_____
23.05	No surface or underground Pollution	_____	_____
7.03	Identification Markings	_____	_____

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I have inspected the above well and (HAVE/HAVE NOT) found it to be in compliance with all of the rules and regulations of the Office of Oil and Gas Department of Mines of the State of West Virginia.

SIGNED: Steve Casey  
DATE: 5-30-86

11/10/2023

**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL  
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)**

**RECEIVED**  
JAN 17 1986

1.0 API well number: (If not assigned, leave blank. 14 digits.)	47 - 033 - 3253						
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	103 Section of NGPA	Category Code					
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	3223 feet						
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Ensource Inc. Name P. O. Drawer 1738 Street Clarksburg, WV 26301 City State Zip Code			04119 Seller Code			
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (25 letters maximum for field name.)	Field Name Harrison WV County State						
(b) For OCS wells:	N/A Area Name Block Number  Date of Lease: Mo. Day Yr. OCS Lease Number						
(c) Name and identification number of this well: (35 letters and digits maximum.)	Bramer #1						
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	N/A						
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Consolidated Gas Transmission Corporation			004228 Buyer Code			
(b) Date of the contract:	Mo. Day Yr.						
(c) Estimated total annual production from the well:	N/A Million Cubic Feet						
	(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)			
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMETU -----	-----	-----	-----			
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/NIMBTU 3.065	3.07	-----	3.372			
9.0 Person responsible for this application:	Michael W. Nugen Name Signature January 14, 1986 Date Application is Completed			District Manager Title  (304) 624-9653 Phone Number			
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Agency Use Only</td> </tr> <tr> <td style="text-align: center;">Date Received by Juris. Agency <b>JAN 17 1986</b></td> </tr> <tr> <td style="text-align: center;">Date Received by FERC</td> </tr> </table>					Agency Use Only	Date Received by Juris. Agency <b>JAN 17 1986</b>	Date Received by FERC
Agency Use Only							
Date Received by Juris. Agency <b>JAN 17 1986</b>							
Date Received by FERC							

FERC-121 (8-82)

11/10/2023

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

FEB 15 1986

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: January 14, 19 86 16100

AGENCY USE ONLY

Applicant's Name: Ensource Inc.

WELL DETERMINATION FILE NUMBER

Address: P. O. Drawer 1738

860117 -1030-033- 3253

Clarksburg, WV 26301

Use Above File Number on all  
Communications Relating to This Well

Gas Purchaser Contract No. N/A

Date of Contract N/A  
(Month, day and year)

Designated Agent: Michael W. Nugen

First Purchaser: Consolidated Gas Transmission Corp.

Address: P. O. Drawer 1738

Address: 445 West Main Street

Clarksburg, WV 26301

(Street or P.O. Box)

Clarksburg, WV 26301

(City) (State) (Zip Code)

FERC Seller Code 04119

FERC Buyer Code 004228

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL  
BE ADDRESSED:

Name: Michael W. Nugen District Manager  
(Print) (Title)

Signature: Michael W. Nugen

Address: P. O. Drawer 1738

(Street or P.O. Box)

Clarksburg WV 26301

(City) (State) (Zip Code)

Telephone: (304) 624-9653  
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

- 102 New Natural Gas
- 102-2 2.5 Mile Test
  - 102-3 1000 Foot Deeper Test
  - 102-4 New Onshore Reservoir
- 103 New Onshore Production Well
- 103 New Onshore Production Well
- 107 High Cost Natural Gas
- 107-0 Deep (more than 15,000 feet)
  - 107-1 Geopressured Brine
  - 107-2 Coal Seams
  - 107-3 Devonian Shale
  - 107-5 Production enhancement
  - 107-6 New Tight Formation
  - 107-7 Recompletion Tight Formation

- 108 Stripper Well Natural Gas
- 108- Stripper Well
  - 108-1 Seasonally Affected
  - 108-2 Enhanced Recovery
  - 108-3 Temporary Pressure Buildup

AGENCY USE ONLY

QUALIFIED  
11/10/2023

RECEIVED  
JAN 17 1986

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

Date Received

Determination Date

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

Date January 14, 1986

Operator's Well No. Bramer #1

API Well No. 47 - 033 - 3253  
State County Permit

WELL CLASSIFICATION FORM  
NEW ONSHORE PRODUCTION WELL  
NGPA Section 103

DESIGNATED AGENT Michael W. Nugen  
ADDRESS P. O. Drawer 1738  
Clarksburg, WV 26301

WELL OPERATOR Ensource Inc.  
ADDRESS P. O. Drawer 1738  
Clarksburg, WV 26301

LOCATION: Elevation 1380  
Watershed Little Rock Camp Run  
Dist. Sardis County Harrison Quad. Wolf Summit

GAS PURCHASER Consolidated Gas Trans. Corp.  
ADDRESS 445 W. Main Street  
Clarksburg, WV 26301

Gas Purchase Contract No. N/A  
Meter Chart Code N/A  
Date of Contract N/A

\* \* \* \* \*

Date surface drilling was begun: 9/23/85

Indicate the bottom hole pressure of the well and explain how this was calculated:

$BHP = Ps \left( \frac{GR}{e 53.4 TR} \right)$  BHP = 777.2 psi  
Ps = 720  
G = .65  
L = 3223  
Tr = 473° + 100° = 573°R

AFFIDAVIT

I, Michael W. Nugen, having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

Michael W. Nugen

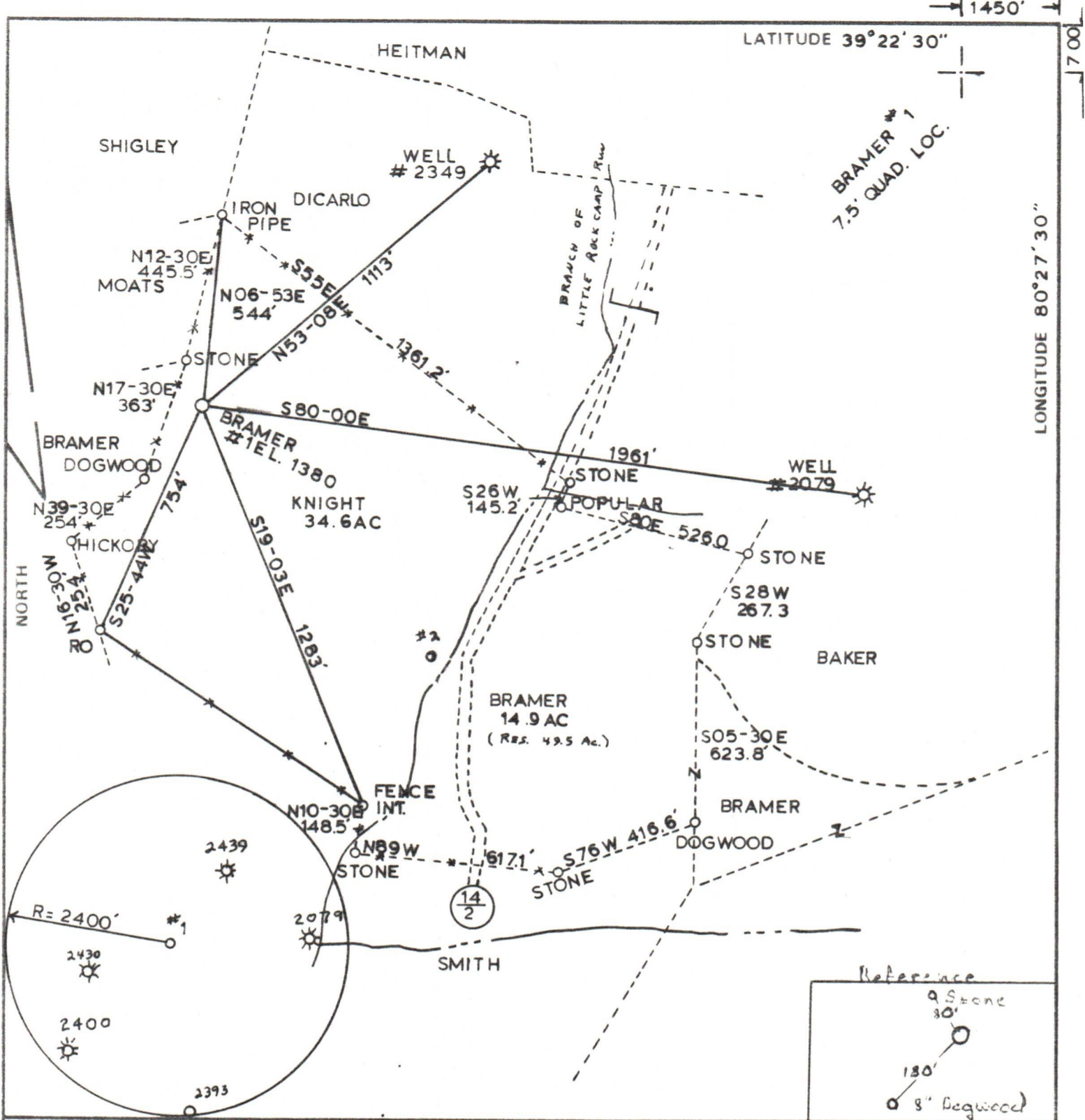
STATE OF WEST VIRGINIA,  
COUNTY OF Harrison, TO WIT:

I, Hazel L. Carder, a Notary Public in and for the state and county aforesaid, do certify that Michael W. Nugen whose name is signed to the writing above, bearing date the 14th day of January, 1986, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 14th day of January, 1986. My term of office expires on the 23 day of March, 1993.

[NOTARIAL SEAL]

Hazel L. Carder  
Notary Public

11/10/2023



1450'

LATITUDE 39°22'30"

LONGITUDE 80°27'30"

BRAMER #1  
7.5' QUAD. LOC.

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 400'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION TO 19 INT.  
14/1 & 14

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) Burl J. Smith  
 R.P.E. 6988 L.L.S. \_\_\_\_\_

PLACE SEAL HERE

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION



DATE FEBRUARY 3, 19 83  
 OPERATOR'S WELL NO. BRAMER #1  
 API WELL NO. 47-033-3253  
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_\_\_ STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION 1380 WATER SHED LITTLE ROCK CAMP RUN  
 DISTRICT SARDIS COUNTY HARRISON  
 QUADRANGLE WOLF SUMMIT

SURFACE OWNER GARY C. KNIGHT ET UX ACREAGE 34.6  
 OIL & GAS ROYALTY OWNER RALPH W. BRAMER LEASE ACREAGE 109  
 LEASE NO. \_\_\_\_\_

11/10/2023

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 FIFTH SAND ESTIMATED DEPTH 3100'  
 WELL OPERATOR ENSOURCE INC. DESIGNATED AGENT MIKE NUGEN  
 ADDRESS PO DRAWER 1738 ADDRESS PO DRAWER 1738  
CLARKSBURG, WV 26301 CLARKSBURG, WV 26301

FORM IV-6 (8-78)