

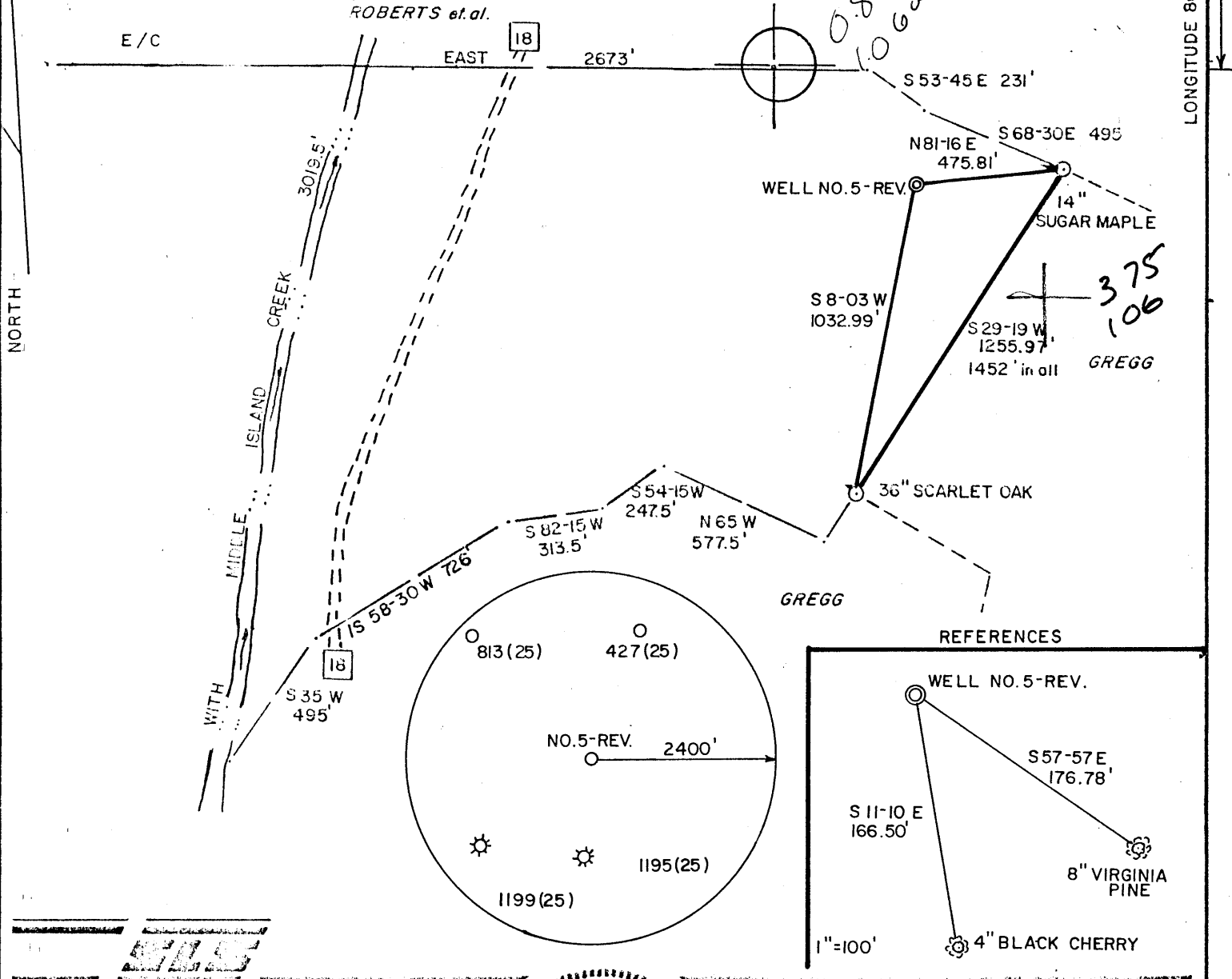
9/13/87

LATITUDE 39-22-30

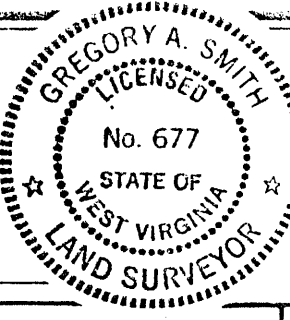
# GREGG LEASE

# WELL NO. 5-REV.

## 85 ACRES ±



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 ENERGY.



L.L.S. Gregory A. Smith  
677

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
DATE SEPTEMBER 1, 19 87  
OPERATORS WELL NO. GREGG NO. 5-REV.  
API WELL NO. 47 - 095 - 1208  
STATE WEST VIRGINIA COUNTY TYLER PERMIT Formerly: 095-1206

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 1702 (21-37)  
PROVEN SOURCE OF ELEVATION B.M. ELEV. = 745' SCALE 1" = 500'

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 891' WATERSHED MIDDLE ISLAND CREEK  
DISTRICT CENTERVILLE COUNTY TYLER QUADRANGLE WEST UNION 7.5' 671

SURFACE OWNER DAVID C. GREGG et.al. ACREAGE 85 133  
ROYALTY OWNER MILDRED GREGG LEASE ACREAGE 85 5

PROPOSED WORK: LEASE NO. \_\_\_\_\_  
DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER \_\_\_\_\_  
PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION BENSON  
ESTIMATED DEPTH 5300'

WELL OPERATOR ANVIL OIL CO., INC. DESIGNATED AGENT JUSTIN HENDERSON SEP 8 1987  
ADDRESS P.O. BOX 2566 CLARKSBURG, WV 26301 ADDRESS P.O. BOX 2566 CLARKSBURG, WV 26301

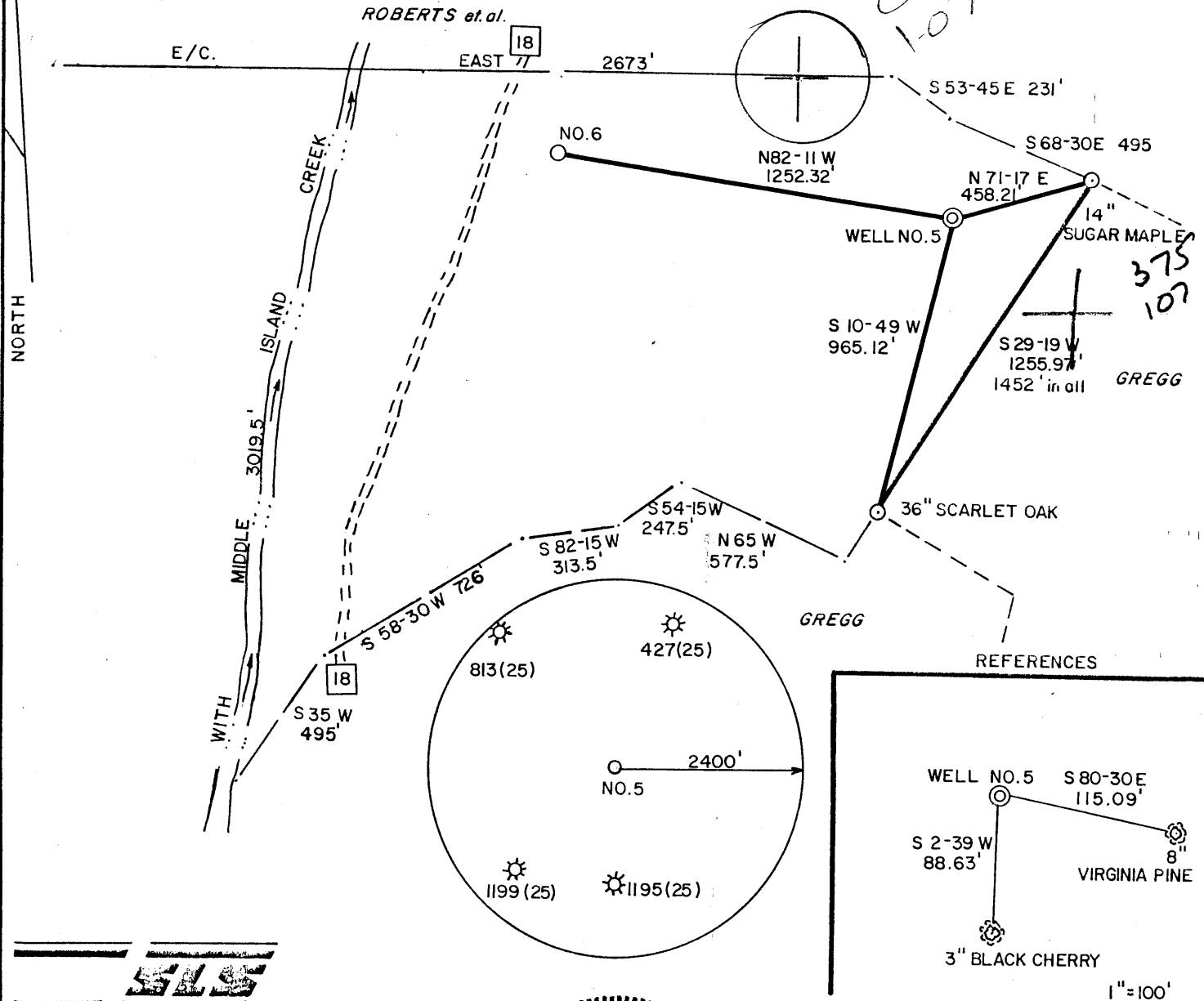
6-6 Stanley (92)

00-05-08 EADITINGNOT 4620 COUNTY NAME PERMIT

# GREGG LEASE

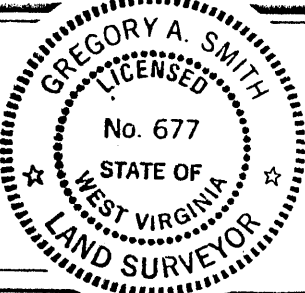
# WELL NO. 5

## 85 ACRES ±



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 ENERGY.

L.L.S. Gregory A. Smith  
677



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE AUGUST 14, 19 87  
 OPERATORS WELL NO. GREGG NO. 5  
 API WELL NO. 47 - 095 - 1206  
 STATE SC COUNTY TYLER PERMIT 095-1208

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 1702 (21-37)  
 PROVEN SOURCE OF ELEVATION BM. ELEV. = 745' SCALE 1" = 500'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION

WELL TYPE: OIL  GAS  LIQUID WASTE DISPOSAL  "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 870' WATERSHED MIDDLE ISLAND CREEK  
 DISTRICT CENTERVILLE COUNTY TYLER QUADRANGLE WEST UNION 7.5'  
 SURFACE OWNER DAVID C. GREGG et.al. ACREAGE 85  
 ROYALTY OWNER MILDRED GREGG LEASE ACREAGE 85  
 PROPOSED WORK: LEASE NO. \_\_\_\_\_  
 DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER \_\_\_\_\_  
 PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION BEHSON  
 ESTIMATED DEPTH 5400'

WELL OPERATOR ANVIL OIL CO., INC. DESIGNATED AGENT JUSTIN HENDERSON **SEP 14 1987**  
 ADDRESS P.O. BOX 2566 CLARKSBURG, WV 26301 ADDRESS P.O. BOX 2566 CLARKSBURG, WV 26301



IV-35  
(Rev 8-8)

**RECEIVED**  
DEC 08 1987

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

State of West Virginia  
Department of Mines  
Oil and Gas Division

Date 9-20-87  
Operator's  
Well No. Gregg #5  
Farm \_\_\_\_\_  
API No 47 - 095 - 1208

WELL OPERATOR'S REPORT  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil \_\_\_ / Gas XX / Liquid Injection \_\_\_ / Waste Disposal \_\_\_ /  
(If "Gas," Production XX / Underground Storage \_\_\_ / Deep \_\_\_ / Shallow XX /)

LOCATION: Elevation: 891 Watershed Middle Island Creek  
District: Centerville County Tyler Quadrangle West Union

COMPANY Anvil Oil Co. Inc.  
ADDRESS P.O. Box 2566 Clarksburg WV  
DESIGNATED AGENT Justin Henderson  
ADDRESS as above  
SURFACE OWNER David Gregg  
ADDRESS New Martinsville WV  
MINERAL RIGHTS OWNER David Gregg  
ADDRESS as above  
OIL AND GAS INSPECTOR FOR THIS WORK Bob  
Lowther ADDRESS General delivery  
Middlebourne WV  
PERMIT ISSUED 9-3-87  
DRILLING COMMENCED 9-7-87  
DRILLING COMPLETED 9-11-87  
IF APPLICABLE: PLUGGING OF DRY HOLE ON  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED  
ON \_\_\_\_\_

Casing & Tubing Size	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16 Cond.			
13-10"			
9 5/8			
8 5/8	1032	1022	cts
7			
5 1/2			
4 1/2	5068	4897	as required
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Benson Depth 4800 feet  
Depth of completed well 5068 feet Rotary XXX / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh 50 feet; Salt \_\_\_\_\_ feet  
Coal seam depths: none Is coal being mined in the area? no

OPEN FLOW DATA  
Producing formation Benson Pay zone depth 4780 feet  
Gas: Initial open flow small Mcf/d Oil: Initial open flow 0 Bbl/d  
Final open flow 1.4 mmcf Mcf/d Final open flow 0 Bbl/d  
1,400 Mcf Time of open flow between initial and final tests 4 hours  
Static rock pressure 1975 psig (surface measurement) after 24 hours shut in  
(If applicable due to multiple completion--)  
Second producing formation Riley Pay zone depth 4360 feet  
Gas: Initial open flow as above Mcf/d Oil: Initial open flow 0 Bbl/d  
Final open flow as above Mcf/d Oil: Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 4 hours  
Static rock pressure 1975 psig (surface measurement) after 24 hours shut in

(Continue on reverse side)

DEC 14 1987

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

Perforate Benson 4784-89 with 14 holes frac with 10 sks 80/100  
300 sks 20/40 476 bbls treated fluid, 98,500 scf N2 Avg rate 19 Avg psi 2000

Perforate Riley 4362-4408 with 14 holes, frac with 100 sks 80/100  
300 sks 20/40, 470 bbls treated fluid, 100,000 scf N2 Avg rate 20 Avg psi 1950

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fre and salt water, coal, oil and g
Dirt			0	10	
shale/ sand			10	1724	
Lime			1724	1796	
sand			1796	1820	
shale			1820	2100	E Log Tops ✓
sand			2100	2210	Big Lime 1727
shale			2210	2520	Injun 1800
sand			2520	2530	Berea 2286
shale			2530	<u>5068</u>	Benson 4772
<u>TD</u>					

**RECEIVED**  
DEC 08 1987

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

Justin J. Henderson  
Well Operator  
By: Anvil Oil Co. Inc.  
Date: 9-20-87

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**  
AUG 31 1987



1) Date: August 20, 19 87  
2) Operator's Well No. Gregg #5  
3) API Well No. 47 095 XXXX 120  
State County Permit

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

120

- 4) WELL TYPE: A Oil XXX / Gas XXX /  
B (If "Gas", Production XXX / Underground storage      / Deep      / Shallow XXX /)
- 5) LOCATION: Elevation: 870 Watershed: Middle Island Creek  
District: Centerville / County: Ilyer 095 Quadrangle: West Union 670
- 6) WELL OPERATOR Anvil Oil Co CODE: 2275 7) DESIGNATED AGENT Justin Henderson  
Address P.O. Box 2566 Address P.O. Box 2566  
Clarksburg WV Clarksburg WV
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Bob Lowther  
Address General Delivery  
Middlebourne WV
- 9) DRILLING CONTRACTOR: Name Coastal Corp.  
Address Parkersburg WV
- 10) PROPOSED WELL WORK: Drill XXX / Drill deeper      / Redrill      / Stimulate XXX /  
Plug off old formation      / Perforate new formation      /  
Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Benson  
12) Estimated depth of completed well, 4850 feet  
13) Approximate tratra depths: Fresh,      feet; salt,      feet.  
14) Approximate coal seam depths:      Is coal being mined in the area? Yes      / No XXX
- 15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	Size	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
		Grade	Weight per ft.	New	Used	For drilling		
Conductor	11 3/4			X			250	cts by 38 CSR 18-11.3
Fresh water								
Coal								Sizes
Intermediate	8 5/8			XX			1070	cts by 38 CSR-11.3
Production	4 1/2			XX			4800	rule <del>38</del> 38 CSR 18-11.1
Tubing								
Liners								Perforations: Top Bottom

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-095-1206

August 31 19 87  
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 31, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Plat: <input checked="" type="checkbox"/>	Casing Fee: <input checked="" type="checkbox"/>	Fee: <u>228</u> <u>2287</u>	WPCP: <input checked="" type="checkbox"/>	S&E: <input checked="" type="checkbox"/>	Other: <input checked="" type="checkbox"/>
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847 01

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

[Signature]  
Director, Division of Oil and Gas

File

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

(Obverse)

7/83

**RECEIVED**  
SEP 03 1987



1) Date: Sept 2, 1987  
 2) Operator's Well No. Gregg #5  
 3) API Well No. 47 095 1208  
 State County Permit

**(Formerly: TYL-1206)**

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

- 4) WELL TYPE: A Oil XXX / Gas XXX /  
 B (If "Gas", Production XXX / Underground storage XXX / Deep XXX / Shallow XXX /)
- 5) LOCATION: Elevation: 891 / Watershed: Middle Island Creek  
 District: Centerville / County: Tyler 095 / Quadrangle: West Union 670
- 6) WELL OPERATOR Anvil Oil Co CODE: 2275 7) DESIGNATED AGENT Justin Henderson  
 Address P.O. Box 2566 Address P.O. Box 2566  
Clarksburg WV Clarksburg WV
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Bob Lowther 9) DRILLING CONTRACTOR:  
 Address General Delivery Name Coastal Corp.  
Middlebourne WV Address Parkersburg WV
- 10) PROPOSED WELL WORK: Drill XXX / Drill deeper XXX / Redrill XXX / Stimulate XXX /  
 Plug off old formation XXX / Perforate new formation XXX /  
 Other physical change in well (specify) XXX
- 11) GEOLOGICAL TARGET FORMATION, Benson
- 12) Estimated depth of completed well, 4825 feet
- 13) Approximate trata depths: Fresh, XXX feet; salt, XXX feet.
- 14) Approximate coal seam depths: XXX Is coal being mined in the area? Yes XXX / No XXX

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			X		200	200	cts	38CSR18-11.3 Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8			XX			1030	cts	38CSR18-11.3
Production	4 1/2			XX			4800	rule 15.0	Depths set 38CSR-11.1
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY  
**DRILLING PERMIT**

Permit number 47-095-1208 Date September 3 19 87

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 XXXXX September 3, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Plat: <input checked="" type="checkbox"/>	Casing: <input checked="" type="checkbox"/>	Fee: <u>229</u> <u>2292</u>	WPCP: <input checked="" type="checkbox"/>	S&E: <input checked="" type="checkbox"/>	Other: <input type="checkbox"/>
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NOTE: Keep one copy of this permit posted at the drilling location.

[Signature]  
 Director, Division of Oil and Gas File

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