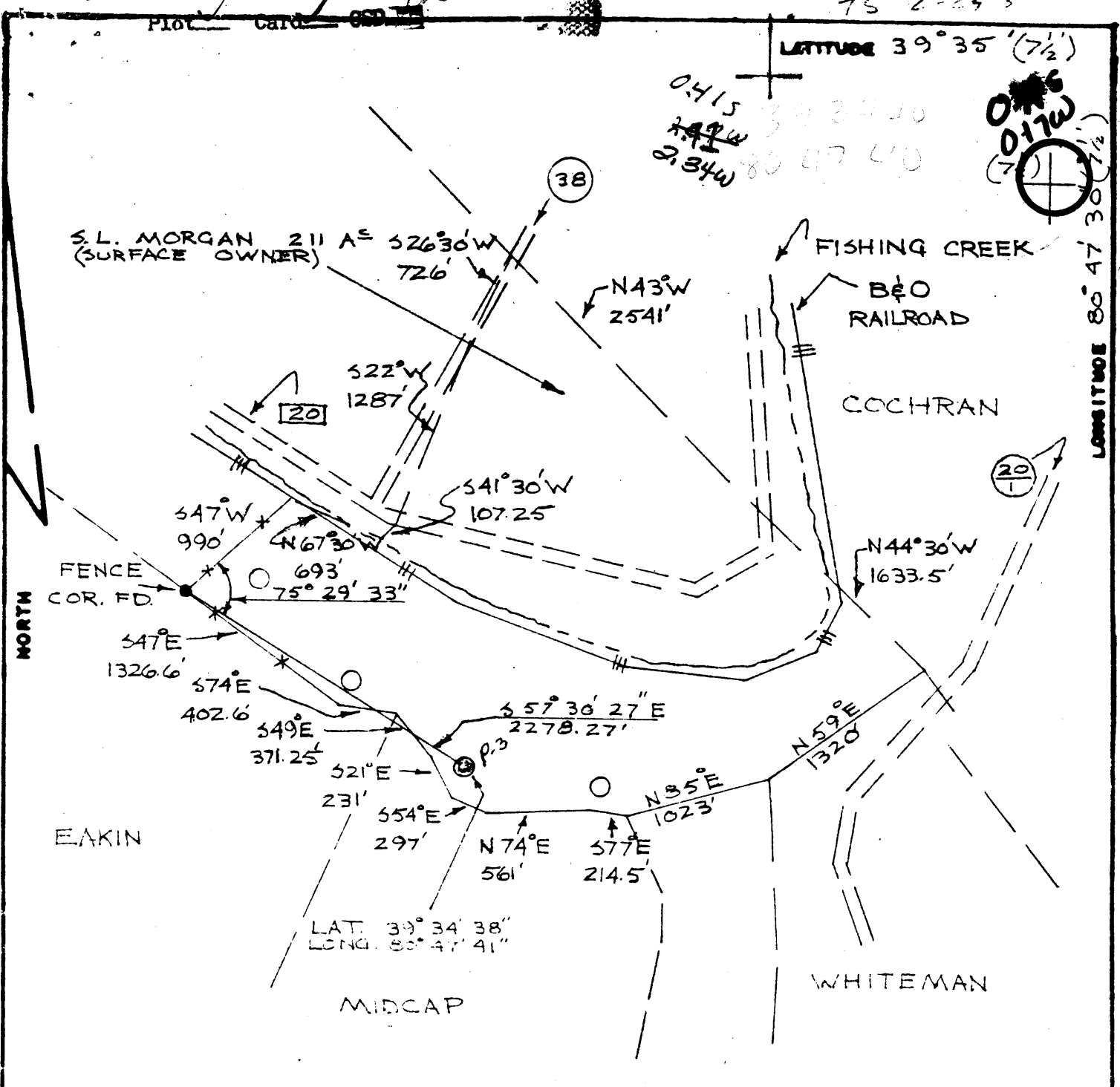


LATITUDE 39° 35' (7 1/2')



0415
2,344
2,344



OUR PROJECT 82-1798

FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1:2500
 PROVEN SOURCE OF ELEVATION U.S.G.S

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) _____
 R.P.E. _____ L.L.S. _____

PLACE SEAL HERE

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



DATE _____, 19____
 OPERATOR'S WELL NO. 1-3
 API WELL NO. 47-103-1245
 STATE COUNTY PERMIT

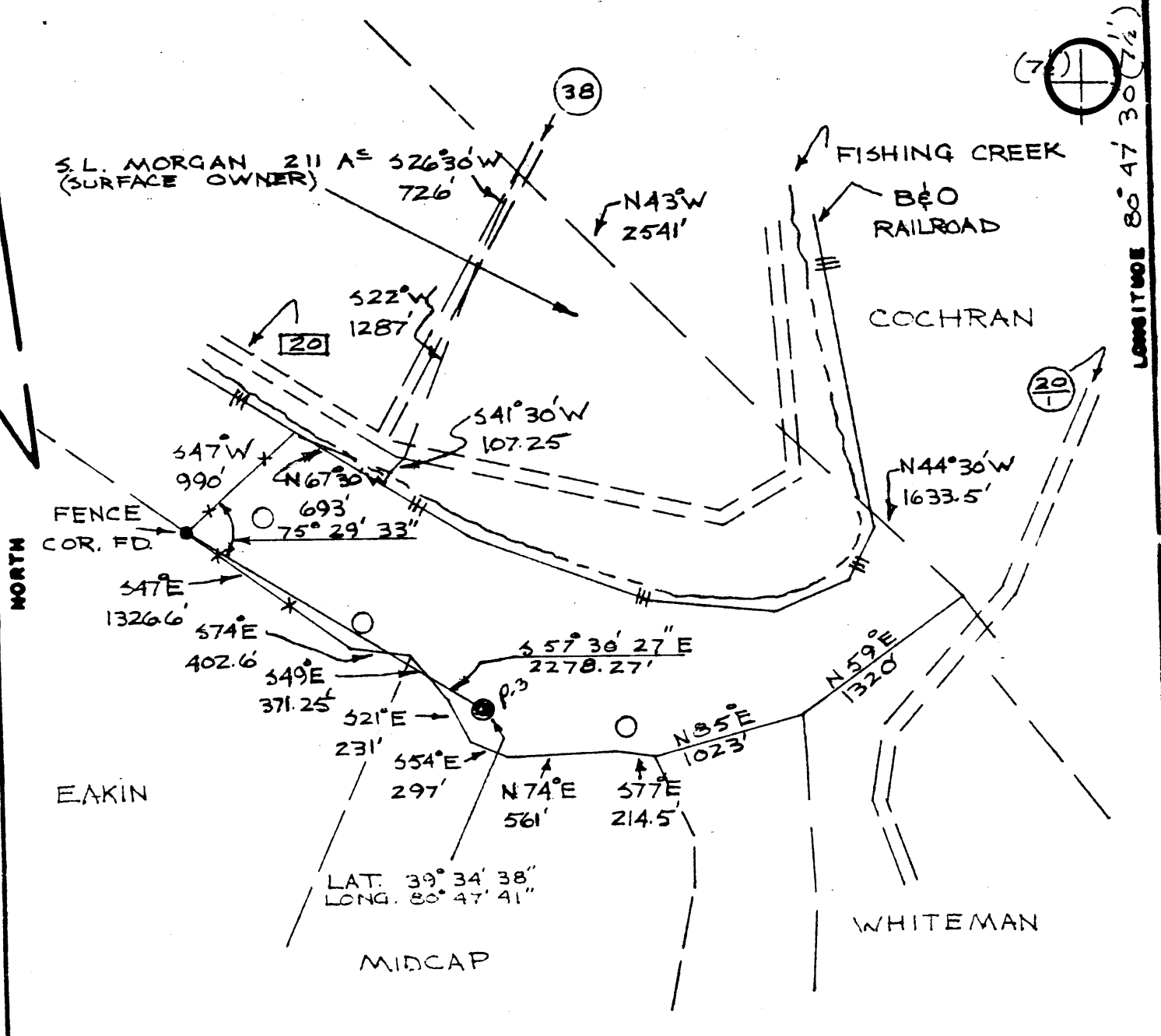
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____)
 LOCATION: ELEVATION 1024 WATER SHED _____
 DISTRICT GREEN COUNTY WETZEL
 QUADRANGLE PORTERS FALLS 7.5' New Martinsville 15'SE
 SURFACE OWNER S.L. MORGAN ACREAGE 211
 OIL & GAS ROYALTY OWNER PETRO-ENERGY, INC. LEASE ACREAGE 211
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUS OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER TECHNICAL CHANGE IN WELL (SPECIFY) _____

PLUS AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION Carded + Specialty ESTIMATED DEPTH 3999' MAR 9 1982
 COASTAL LUMBER CO. PLANT # 1 DESIGNATED AGENT Wm. Carpenter, Pres.
 WILL OPERATOR PLANT # 1 ADDRESS 3501 Emerson Ave. Suite 40
 ADDRESS Pt. 3 Box 14 Smithville, W.Va. 26178 ADDRESS Parkersburg, W.Va. 26101
PORTER FALLS
 3-3 (DPD-Gordon)

LATITUDE 39° 35' (7 1/2')

LONGITUDE 80° 47' 30" (7 1/2')



OUR PROJECT 82-1798

FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1:2500
 PROVEN SOURCE OF ELEVATION USGS

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) Robert G. ...
 R.P.E. _____ L.L.S. #5550

PLACE SEAL HERE

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



DATE _____ 19 _____
 OPERATOR'S WELL NO. 1-3
 API WELL NO. _____
47 - 103 - 1245
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

(Corrected Well Operator)

WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____)
 LOCATION: ELEVATION 1024 WATER SHED _____
 DISTRICT GREEN COUNTY WETZEL
 QUADRANGLE PORTERS FALLS 7.5' New Martinsville 15' SE
 SURFACE OWNER S.L. MORGAN ACREAGE 211
 OIL & GAS ROYALTY OWNER PETRO-ENERGY, INC. LEASE ACREAGE 211
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUS OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUS AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION Carded & Specified ESTIMATED DEPTH 3999' MAR 29 1982
 WELL OPERATOR The Coastal Corp. DESIGNATED AGENT Wm. Carpenter, Pres.
 ADDRESS 3501 Emerson Ave. Suite 4B Parkersburg, W.Va. 26101 ADDRESS 3501 Emerson Ave. Suite 4B Parkersburg, W.Va. 26101

RECEIVED



MAY 11 1982

State of West Virginia
Department of Mines
Oil and Gas Division

Date April 27, 1982
Operator's
Well No. Paramount #3
Farm Morgan heirs
API No. 47 - 103 - 1245

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

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

LOCATION: Elevation: 1024' Watershed Fishing Creek
District: Green County Wetzel Quadrangle Porter Falls

COMPANY The Coastal Corporation

ADDRESS 3501 Emerson Avenue, Suite 4B, Pksg., WV

DESIGNATED AGENT W. E. Carpenter, Jr.

ADDRESS 3501 Emerson Avenue, Suite 4E, Pksg., WV

SURFACE OWNER Wadsworth Brothers

ADDRESS Alma, West Virginia

MINERAL RIGHTS OWNER S. L. Morgan heirs

ADDRESS New Martinsville, West Virginia

OIL AND GAS INSPECTOR FOR THIS WORK

Robert Lowther ADDRESS Middlebourne, WV 26149

PERMIT ISSUED January 18, 1982

DRILLING COMMENCED March 4, 1982

DRILLING COMPLETED March 14, 1982

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

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.	390	390	Surface
13-10"			
9 5/8			
8 5/8	1790'	1790'	Surface
7			
5 1/2			
4 1/2		3027'	1940'
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gordon & Speechley Depth 4,000 feet

Depth of completed well 3027 feet Rotary X / Cable Tools

Water strata depth: Fresh 150 feet; Salt feet

Coal seam depths: 350' and 1010' Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation Gordon Pay zone depth 2825 feet

Gas: Initial open flow 1.8M Mcf/d Oil: Initial open flow Show of Bbl/d

Final open flow 1.2M Mcf/d Final open flow Mist of Bbl/d

Time of open flow between initial and final tests 24 hours

Static rock pressure 1150 psig (surface measurement) after 12 hours shut in

(If applicable due to multiple completion--) N/A

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

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

PERFS. - 38 holes of .39 select Fire Shot Between 2750' and 2998'

FRAC. - Foam Fracked with 960,000 scf of N2 and 50,000 sand and 205 bbls sand lader foam.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Big Injuin			2100	2260	Gas, Oil, and Salt Water
Weir			2430	2495	Gas and Oil Show
Berea			2650	2660	Gas and Oil Show
<u>Gordon Stray</u>			2820	2850	Good Gas and Oil
Gordon @ T.D.				TD 3027	
				log TD	<u>4042</u>

$$\begin{array}{r} 3027 \\ 2660 \\ \hline 367 \text{ Beria} \end{array}$$

$$\begin{array}{r} 4042 \\ 2260 \\ \hline 1782 \\ \text{expl. log.} \end{array}$$

$$\begin{array}{r} 3027 \\ 2260 \\ \hline 767 - \text{expl. log.} \end{array}$$

(Attach separate sheets as necessary)

THE COASTAL CORPORATION

Well Operator

By: [Signature]

Date: April 27, 1982

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



Date: February 18, 19 82

Operator's S. L. Morgan Heirs
Well No. _____

API Well No. 47 103 1245

State County Permit

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

WELL TYPE: Oil _____ / Gas XXX /
(If "Gas", Production XXX / Underground storage _____ / Deep _____ / Shallow _____ /)

LOCATION: Elevation: 1024 Watershed: Fishing Creek
District: Green County: Wetzel Quadrangle: Porter Falls

WELL OPERATOR The Coastal Corporation
Address 3501 Emerson Ave., Suite 4B
Parkersburg, WV 26104

DESIGNATED AGENT E. J. Anderson
Address 3501 Emerson Ave., #4B
Parkersburg, WV 26104

OIL & GAS ROYALTY OWNER S. L. Morgan Heirs
Address 309 Clark Street
New Martinsville, WV

COAL OPERATOR N/A
Address _____

Acreage 211 Acres

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER Wadsworth Brothers
Address Alma, West Virginia
Acreage _____

Name N/A
Address _____
Name _____
Address _____

FIELD SALE (IF MADE) TO:
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
Name N/A
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Phillip Tracy
Address Route 23
Alma, WV

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed _____ / lease _____ other contract XX / dated January 18, 19 82, to the undersigned well operator from Petro Energy

(If said deed, lease, or other contract has been recorded:)
Recorded on _____, 19 _____, in the office of the Clerk of the County Commission of _____ County, West Va., in _____ Book _____ at page _____. A permit is requested as follows:

PROPOSED WORK: Drill XX / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____ /
Plug off old formation _____ / Perforate new formation _____ /
Other physical change in well (specify) _____

—planned as shown on the work order on the reverse side hereof.

The above 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.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

BLANKET BOND

THE COASTAL Corporation
Well Operator
By William E. Carpenter
Its President

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Haught, Inc.

Address Smithville, WV

GEOLOGICAL TARGET FORMATION, Gordon & Speechley

Estimated depth of completed well, 3999 feet Rotary XX / Cable tools _____ /

Approximate water strata depths: Fresh, 200 feet; salt, 700 feet.

Approximate coal seam depths: 900 Is coal being mined in the area? Yes _____ / No XX /

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	16"				XX	45'	45'	to surface	Kinds
Fresh Water									
Coal									Sizes
Intermediate	8 5/8	ERW	20.00	XX		1200'	1200'	surface 160 sks	
Production	4 1/2	ERW	9.50	XX		4000'	4000'	300 sks	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.
ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,
ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY
APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE
IF OPERATIONS HAVE NOT COMMENCED BY 10-23-82.
BY [Signature]

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

The undersigned coal operator _____ / 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 _____
Its _____

RECEIVED



P-3
Farm S.L. Morgan Heirs
No. 47-103-1245
Date

(Revised 1-31)

FEB 23 1982

PARAMOUNT WELL AND GAS DIVISION
WV DEPT OF MINES

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil ___ / Gas XX /
(If "Gas", Production XX / Underground storage ___ / Deep ___ / Shallow ___ /

LOCATION: Elevation: 1024 Watershed: Fishing Creek
District: Green County: Wetzel Quadrangle: Porter Falls

WELL OPERATOR HAUGHT, INC.
Address Rt. 3, Box 14
Smithville, W.Va. 26178

DESIGNATED AGENT E. J. Anderson
Address 3501 Emerson Avenue, Suite 4B
Parkersburg, WV 26101

OIL AND GAS
ROYALTY OWNER S. L. Morgan Heirs
Address 309 Clark Street
New Martinsville, WV
Acreage 211 Acres

COAL OPERATOR N/A
Address _____

SURFACE OWNER Wadsworth Brothers
Address Alma, West Virginia
Acreage 211 Acres

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME N/A
Address _____

FIELD SALE (IF MADE) TO:
NAME _____
Address _____

NAME _____
Address _____

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME Phillip Tracy
Address Route 23
Alma, WV
Telephone 758-4573

COAL LESSEE WITH DECLARATION ON RECORD:
NAME N/A
Address _____

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease ___ / other contract XX / dated Jan. 18, 1982, the undersigned well operator from Petro Energy

(If said deed, lease, or other contract has been recorded:)
Recorded on _____, 19____, in the office of the Clerk of County Commission of _____

County, West Virginia, in _____ Book at page _____. A permit is requested as follows:

PROPOSED WORK: Drill XX / Drill Deeper ___ / Redrill ___ / Fracture or stimulate ___ / Plug off old formation ___ / Perforate new formation ___ / Other physical change in well (specify) _____

---planned as shown on the work order on the reverse side hereof.
The above named coal operator, coal owner(s), and coal lessee are hereby notified that any action 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 receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL PHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
3 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

~~RECEIVED~~ THE COASTAL CORPORATION
Well Operator
By: William E. Carpenter
Its: PRESIDENT

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) WARREN HAUGHT

Address SMITHVILLE, WV

GEOLOGICAL TARGET FORMATION Gordon & Speechley

Estimated depth of completed well 3999 feet. Rotary XX / Cable tools /
Approximate water strata depths: Fresh, 200 feet; salt, 700 feet.
Approximate coal seam depths: 900
Is coal being mined in this area: Yes / No XX /

CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight, New, Used), FOOTAGE INTERVALS (For Drill-ling, Left in Well), CEMENT FILL (UP OR SACKS, Cubic ft.), PACKERS (Kinds, Sizes, Depths set, Perforations: Top Bottom)

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code 822-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code 822-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code 822-4-12a, and (v) if applicable, the consent required by Code 822-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith. THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 10-23-82

Signature of Deputy Director - Oil & Gas Division

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 822-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

WAIVER

The undersigned coal operator / 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: _____

Its: _____