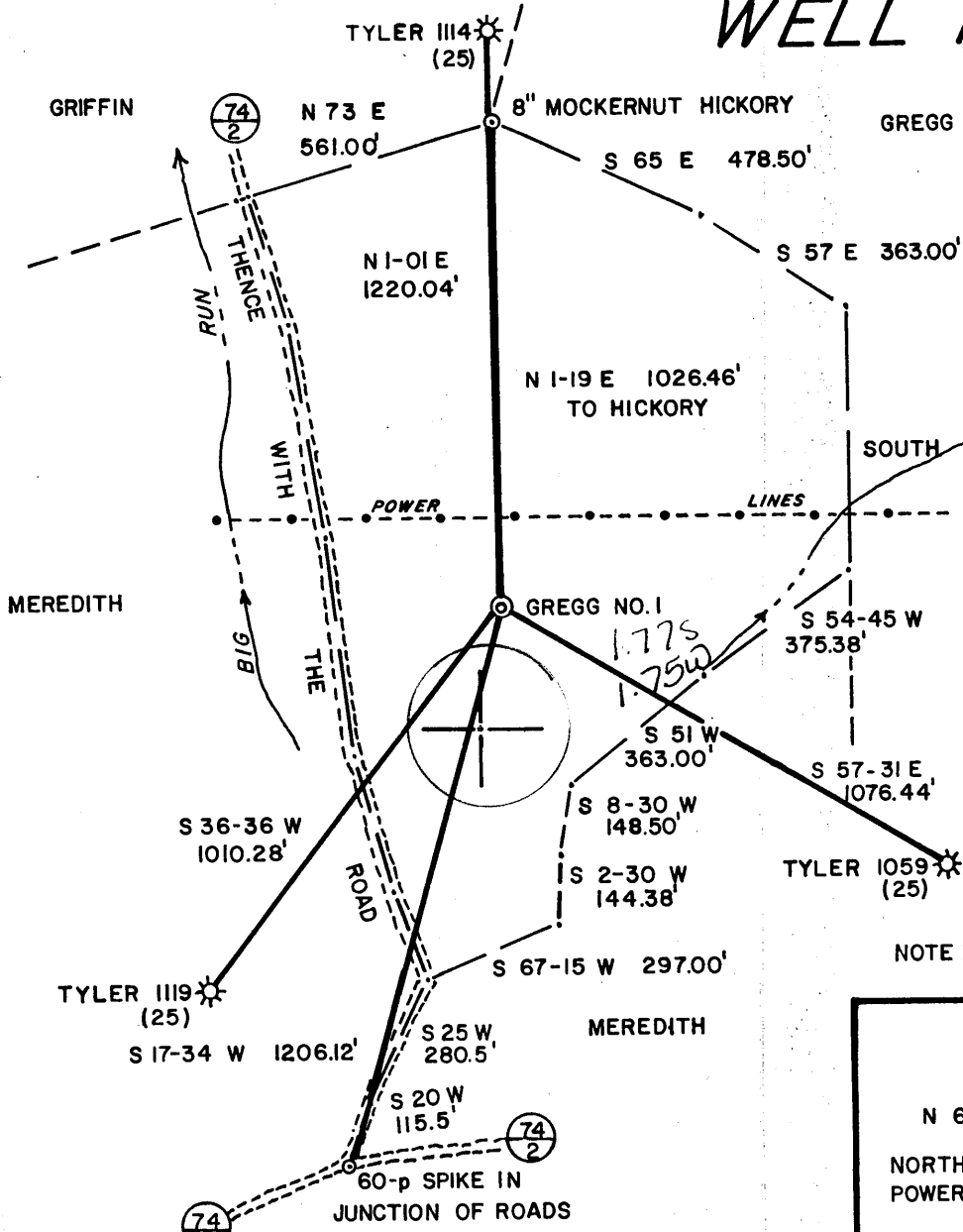


GREGG LEASE

WELL NO. 1

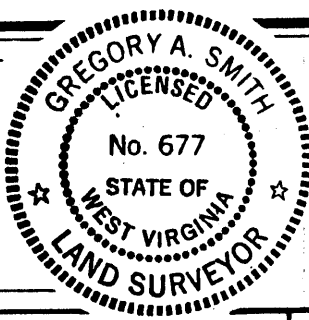


40.00 ACRES ±

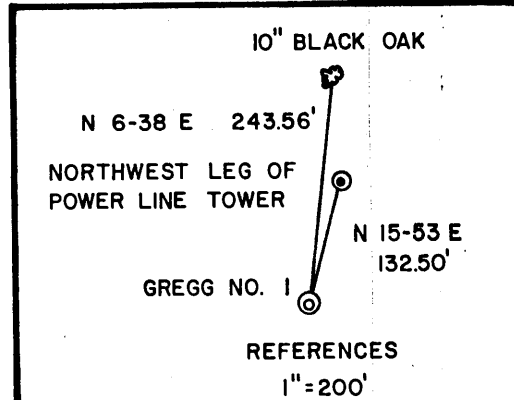


I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.

L.L.S. Gregory A. Smith
677



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE APRIL 30, 19 86
OPERATORS WELL NO. GREGG NO. 1
API WELL NO. 47-095-1153
STATE COUNTY PERMIT



MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 19-28 J-1470
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION=1199' SCALE 1" = 400'

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1091' WATERSHED MIDDLE ISLAND CREEK
DISTRICT CENTERVILLE 1 COUNTY TYLER QUADRANGLE WEST UNION 7.5
SURFACE OWNER MILDRED GREGG, ET. AL. ACREAGE 40
ROYALTY OWNER MILDRED GREGG, ET. AL. LEASE ACREAGE 40
PROPOSED WORK: 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 5500'

WELL OPERATOR THE COASTAL CORP. DESIGNATED AGENT WILLIAM CARPENTER
ADDRESS 3501 EMERSON AVE. SUITE 4B ADDRESS 3501 EMERSON AVE. SUITE 4B
PARKERSBURG, WV 26101 PARKERSBURG, WV 26101

00-05-08 80-50-08 9380

4.655
1.75 W

COUNTY NAME PERMIT

S7S

6-6 Stanley (90)



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NOV 12 1986

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
Department of Mines
Oil and Gas Division

Date 10-24-86
Operator's
Well No. #2 Gregg
Farm Gregg
API No. 47 - 095 - 1153

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

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

LOCATION: Elevation: 1091 Watershed Middle Island Creek
District: Centerville County Tyler Quadrangle West Union 7.5'

COMPANY The Coastal Corp.
ADDRESS 3401 Emerson Ave., Parkersburg, WV 26101
DESIGNATED AGENT William Carpenter
ADDRESS 3401 Emerson Ave., Parkersburg, WV 26101
SURFACE OWNER Mildred Gregg, et al
ADDRESS Alma, WV 26320
MINERAL RIGHTS OWNER Mildred Gregg, et al
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK Robert
Lowther ADDRESS General Delivery
Middlebourne, WV 26149
PERMIT ISSUED 9/23/86
DRILLING COMMENCED 9/30/86
DRILLING COMPLETED 10/5/86

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond. 11 3/4	30'		
13-10"			
9 5/8			
8 5/8	1140	1140	300 sks
7			
5 1/2			
4 1/2	5067	5067	250 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Benson Depth 4985 feet
Depth of completed well 5145 feet Rotary^X / Cable Tools
Water strata depth: Fresh 90 feet; Salt N/A feet
Coal seam depths: N/A Is coal being mined in the area? no

OPEN FLOW DATA
Producing formation Benson & Riley Pay zone depth 4932-4939 / 4566-4614 feet
Gas: Initial open flow 30 Mcf/d Oil: Initial open flow -0- Bbl/d
Final open flow 1000 Mcf/d Final open flow -0- Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 1425 psig (surface measurement) after 72 hours shut in
(If applicable due to multiple completion--)
Second producing formation Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Oil: Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in

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

Benson: Perf 4932-4939 13 holes
Frac using 221 bbls H2O, 500 gal acid, 5000# 80-100 sand, 60,000# 20-100 sand
& 640,000 scf N2

Riley: Perf 4566-4614- 12 holes
Frac using 290 bbls H2O; 500 gal acid, 5,000# 80-100 Sand, 50,000# 20-40 sand,
735,000 scf N2

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	yellow	soft	0	10	
sand	white	hard	10	50	
shale	gray	med	50	70	
sand	white	hard	70	90	water 90'
shale & sand	gray	soft	90	400	
red rock	red	soft	400	415	
shale	gray	soft	415	495	
sand & shale	gray	soft	495	535	
red rock	red	soft	535	600	
sand & shale	gray	soft	600	615	
sand & shale	gray	soft	615	1947	
Big lime	white	hard	1947	2010	
Big Injun	gray	med	2010	2143	
shale	gray	soft	2143	2303	
Weir	gray	med	2303	2422	
shale & sand	gray	soft	2422	4560	
Riley	gray	med	4560	4618	
shale	gray	soft	4618	4980	
Benson	gray	soft	4980	4992	
shale	gray	soft	4992	5145	
			TD	5145	

(Attach separate sheets as necessary)

The Coastal Corporation
Well Operator

By: William E. Carpenter

Date: 11-10-86

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including all, encountered in the drilling of a well."



1) Date: September 2, 1986
 2) Operator's Well No. #2 Gregg
 3) API Well No. 47 095-1153
 State County Permit

7/4
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 Blaxel
 Bond
 SEP 10 1986

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

- 4) WELL TYPE: A Oil / Gas /
 B (If "Gas", Production / Underground storage / Deep / Shallow /)
- 5) LOCATION: Elevation: 1091 Watershed: Middle Island Creek
 District: Centerville 145 County: Tyler Quadrangle: West Union 670
- 6) WELL OPERATOR The Coastal Corp CODE: 10125 7) DESIGNATED AGENT William Carpenter
 Address 3501 Emerson Ave. Suite 3B Address 3501 Emerson Ave. Suite 3B
Parkersburg, WV 26101 Parkersburg, WV 26101
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Robert Lowther Name The Coastal Corporation
 Address General Delivery Address 3501 Emerson Ave.
Middlebourne, WV 26149 Parkersburg, WV 26101
- 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, Benson 435
- 12) Estimated depth of completed well, 5300 feet
 13) Approximate true depths: Fresh, 30 1683 feet; salt, N/A 1214 feet.
 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes / No /
- 15) CASING AND TUBING PROGRAM Permit # 280

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	N2W		X		42'	42'		Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8	23#	23#	X		165	165	350 sks	CTS PER RULE 15.05
Production	4 1/2	J55	10.5	X		5300	5300	475 sks	Depths set
Tubing									OR AS REQUIRED BY RULE 15.01
Lin...									Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-095-1153 Date September 23 19 86

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 23, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>AS</u>	Plat: <input checked="" type="checkbox"/>	Casing: <u>AS</u>	Fee: <u>1982</u> <u>1983</u>	WPCP: <u>AS</u>	S&E: <u>AS</u>	Other: <u>P.H.H.</u>
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NOTE: Keep one copy of this permit posted at the drilling location.

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

John L. Johnston
 Director, Division of Oil and Gas
J. Margaret S. Kasse File