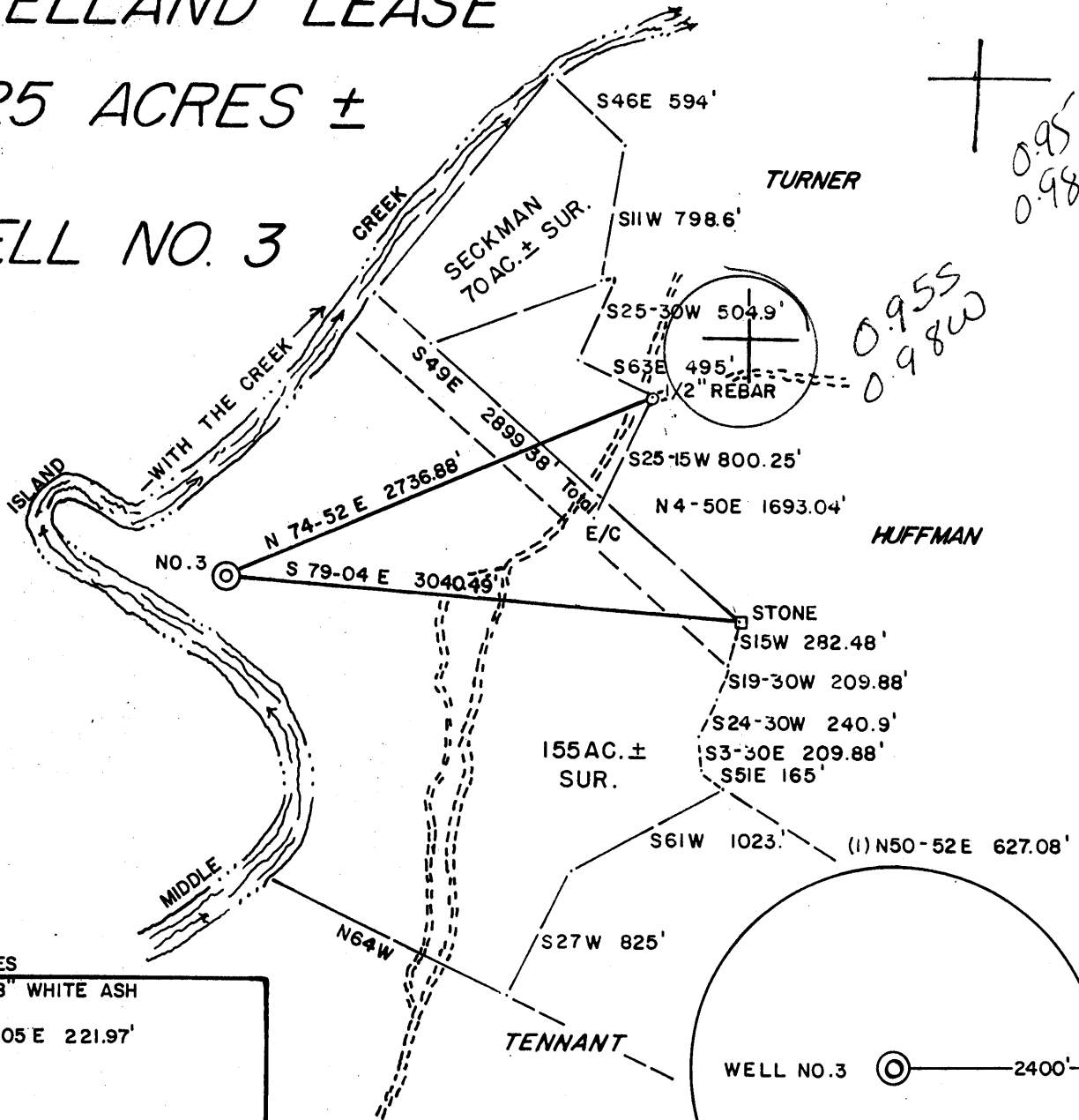


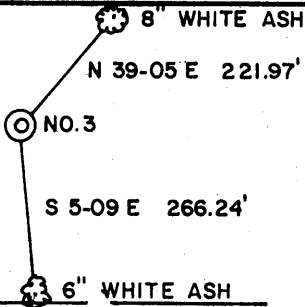
Jamie 3/23/89
CLELLAND LEASE

225 ACRES ±

WELL NO. 3



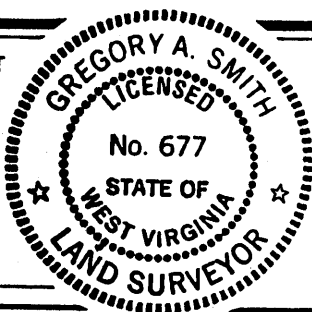
REFERENCES



1" = 300'

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. 677 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE MARCH 18, 19 89

OPERATORS WELL NO. CLELLAND NO. 3

API WELL NO. 47-095-1290
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 1984 (26-35)
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. = 970' SCALE 1" = 1000'

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 955' WATERSHED JEFFERSON RUN West Union C.

DISTRICT CENTERVILLE 1 COUNTY TYLER QUADRANGLE SHIRLEY 7.5' 607

SURFACE OWNER PAUL R. CLELLAND ACREAGE 155 133
ROYALTY OWNER PAUL R. CLELLAND LEASE ACREAGE 155 OF 225 5

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 5100'

WELL OPERATOR THE COASTAL CORP DESIGNATED AGENT WILLIAM CARPENTER
ADDRESS 3501 EMERSON AVE. SUITE 4B ADDRESS 3501 EMERSON AVE. SUITE 4B
PARKERSBURG, WV 26101 195 PARKERSBURG, WV 26101

LONGITUDE 00-05-08

COUNTY NAME PERMIT

MAR 24 1989

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: CLELLAND, PAUL Operator Well No.: CLELLAND 3

LOCATION: Elevation: 955.00 Quadrangle: SHIRLEY

District: CENTERVILLE County: TYLER
Latitude: 5030 Feet South of 39 Deg. 25Min. 0 Sec.
Longitude 4640 Feet West of 80 Deg. 50 Min. 0 Sec.

Company: COASTAL CORP., THE
P. O. BOX 4119
PARKERSBURG, WV 26104-0000

Agent: WILLIAM E. CARPENTER

Inspector: GLEN P. ROBINSON
Permit Issued: 03/23/89
Well work Commenced: 3/28/89
Well work Completed: 4/6/89
Verbal Plugging
Permission granted on: N/A
Rotary Cable Rig
Total Depth (feet) 5183
Fresh water depths (ft)
80' & 250'
Salt water depths (ft) 1280'

Is coal being mined in area (Y/N)? N
Coal Depths (ft): None

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	120	120'	71
8 5/8	1889	1889'	595
4 1/2	5098'	5098'	500

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OPEN FLOW DATA

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
4525-4558

Producing formation Riley, Benson Pay zone depth (ft) 4928-4933
Gas: Initial open flow 1050 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 840 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 1600 psig (surface pressure) after 24 Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: COASTAL CORP., THE

By: William E. Carpenter
Date: 5/31/89

JUN 30 1989

CLELLAND #3

Shot 14 .39 holes from 4928' to 4933'. Broke down w/500 gallons 15% HCL Acid at 1751 lbs. Ran 50 sacks of 80/100 mesh sand and 350 sacks of 20/40 mesh sand at a rate of 21 BPM, for a total volumn of 425 bbls. Average treating pressure was 2487 lbs. with and ISIP of 1384 lbs.

Shot 16 .39 holes from 4525' to 4559'. Broke down w/500 gallons 15% HCL Acid at 1760 lbs. Ran 50 sacks of 80/100 mesh sand and 250 sacks of 20/40 mesh sand at a rate of 21 BPM for a total volumn of 325 bbls. Nitrogen used to assist was 115,000 SCF. Average treating pressure was 2508 lbs. with an ISIP of 1420 lbs.

FORMATION	COLOR	HARD/SOFT	TOP	BOTTOM	
Clay	Red	Soft	0	30	
Shale	Gray	Soft	30	80	
Sand	White	Hard	80	85	water 80'
Shale	Gray	Med	85	130	
Shale	Red	Soft	130	150	
Sand	White	Med	150	220	
Shale	Red	Med	220	250	water 250'
Sand & Shale	Gray	Med	250	440	
Sand & Shale	Gray	Med	440	570	
Sand	White	Hard	570	640	
Sand & Shale	Gray	Med	640	960	
Sand	White	Med	960	1140	
Sand & Shale	Gray	Med	1140	1236	
Sand	White	Hard	1236	1460	
Sand & Shale	Gray	Med	1460	1840	
Lime	White	Hard	1840	2000	gas 1990
Shale	Gray	Med	2000	2150	
Shale	Gray	Med	2150	2225	
Sand	Gray	Med	2225	2240	
Sand & Shale	Gray	Med	2240	2982	oil & gas 2360
Sand & Shale	Gray	Soft	2982	3260	
Sand & Shale	Gray	Soft	3260	5183	
TD				5183	

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

8431

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

- 1) Well Operator: The Coastal Corporation *10/25, 1, 600*
- 2) Operator's Well Number: Clelland No. 3 3) Elevation: 955
- 4) Well type: (a) Oil / or Gas X /
 (b) If Gas: Production X / Underground Storage /
 Deep / Shallow X /
- 5) Proposed Target Formation(s): Benson
- 6) Proposed Total Depth: 5100 feet
- 7) Approximate fresh water strata depths: 50', 250', 310' *494'*
- 8) Approximate salt water depths: 1280', 1300', 1379' *1972'*
- 9) Approximate coal seam depths: 527', 528', 559', 560' *Possible Blossmat 637'*
- 10) Does land contain coal seams tributary to active mine? Yes / No X /
- 11) Proposed Well Work: drill and Stimulate
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
<i>W/T of 3/22/89</i> Conductor	11 3/4			120'	120'	cts
Fresh Water	8 5/8		23#	1875'	1875'	By rule 38 CSR 18-11.3 <i>ETS</i>
Coal						<i>38CSR 18.11.2</i>
Intermediate						
Production	4 1/2		10.5#	4950	4950'	By rule 38 CSR 18.11.1
Tubing						
Liners						

PACKERS : Kind
 Sizes
 Depths set

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For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Blanket Agent
 (Type)

0451

7041
[Signature]

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MAR 23 1989

1)
2)
3)

Date: March 21, 1989
Operator's well number
Clelland #3
API Well No: 47 - 095 - 1290
State - County - Permit

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name Paul Clelland
Address Fairmont, WV

(b) Name _____
Address _____

(c) Name _____
Address _____

6) Inspector Glen Robinson
Address Mineral Wells, WV

Telephone (304)- 489-9162

5) (a) Coal Operator:
Name _____
Address _____

(b) Coal Owner(s) with Declaration
Name _____
Address _____

Name _____
Address _____

(c) Coal Lessee with Declaration
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR XX Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through ____ on the above named parties, by:

- ____ Personal Service (Affidavit attached)
- ____ Certified Mail (Postmarked postal receipt attached)
- ____ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator The Coastal Corporation
By: Edel M. Davis
Its: _____ Field Supervisor
Address _____ P. O. Box 4119
_____ Parkersburg, WV 26104
Telephone _____ 304-428-3471

Subscribed and sworn before me this 21st day of March, 1989

My commission expires September 19, 1990 Notary Public