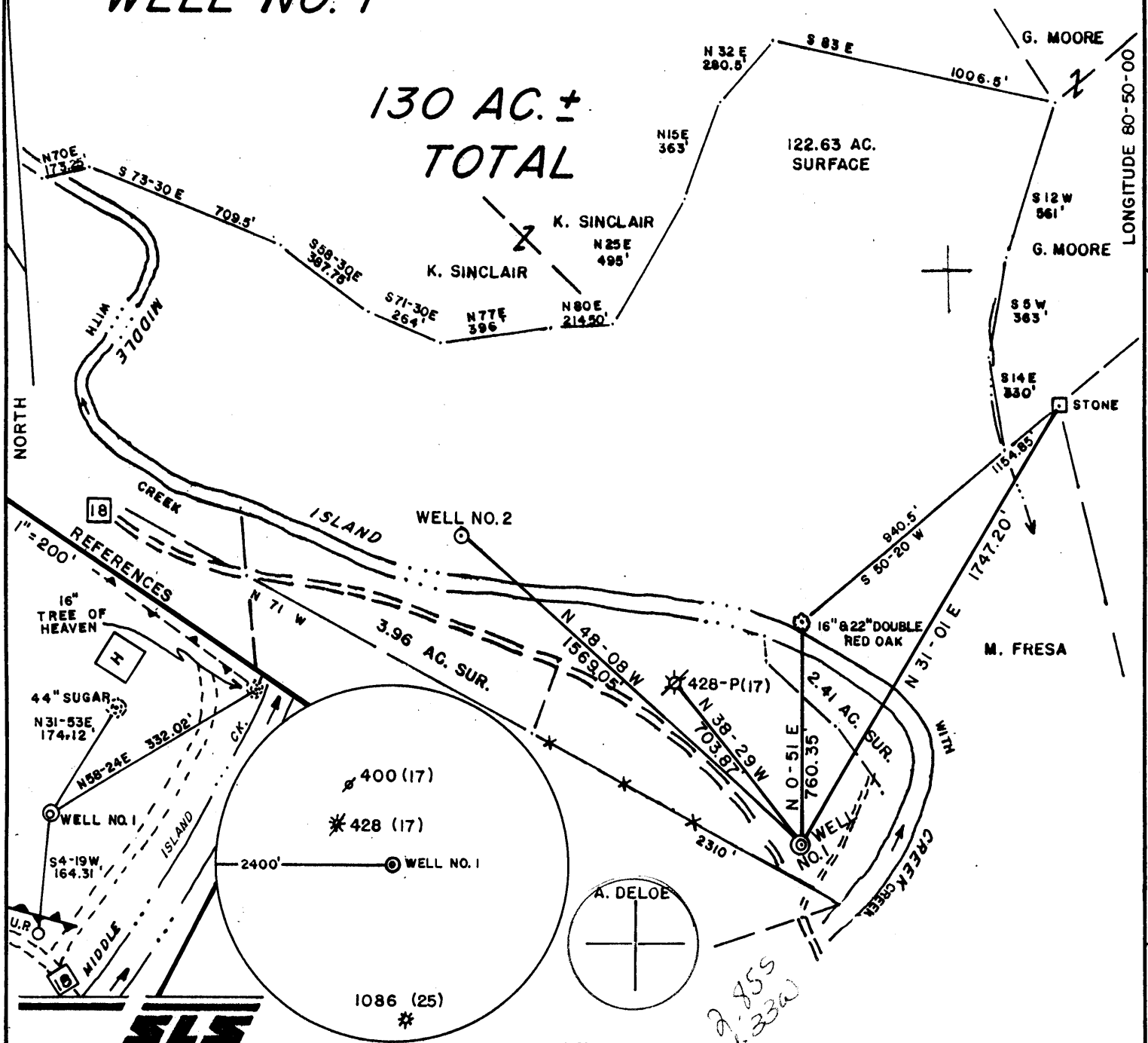


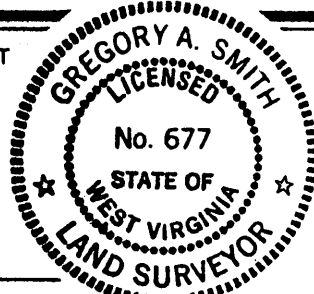
ASHEE 5/25/89 ASH LEASE WELL NO. 1

130 AC. ± TOTAL



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 MAY 24, 19 89

OPERATORS WELL NO. ASH NO. 1

API WELL NO. 47 - 095 - 1298

STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2074 (29-17)
 PROVEN SOURCE OF ELEVATION BM ELEVATION 734' SCALE 1" = 500'

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 729' WATERSHED MIDDLE ISLAND CREEK West Union C

DISTRICT CENTERVILLE 1 COUNTY TYLER QUADRANGLE SHIRLEY 75' 607

SURFACE OWNER RALPH A. ASH ET AL ACREAGE 122.63 1335

ROYALTY OWNER RALPH A. ASH ET AL LEASE ACREAGE 122.63 OF 130

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 5000' MAY 20 1989

WELL OPERATOR THE COASTAL CORP. DESIGNATED AGENT WILLIAM CARPENTER
 ADDRESS PO BOX 4119 PARKERSBURG, WV 26101 ADDRESS PO BOX 4119 PARKERSBURG, WV 26101

6-6 Wilbur (092)

COUNTY NAME TYLER
 PERMIT

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

Well Operator's Report of Well Work

Farm name: ASH, RANDALL & DORETTA Operator Well No.: ASH 1

LOCATION: Elevation: 729.00 Quadrangle: SHIRLEY

District: CENTERVILLE County: TYLER
Latitude: 15040 Feet South of 39 Deg. 25Min. 0 Sec.
Longitude 7040 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: 05/26/89
Well work Commenced: 5/31/89
Well work Completed: 6/26/89
Verbal Plugging
Permission granted on: N/A
Rotary Cable _____ Rig
Total Depth (feet) 4858
Fresh water depths (ft) _____
30' 50' 290'
Salt water depths (ft) _____
1300'
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	124'	124'	118
8 5/8	1607'	1607'	523
4 1/2	4806'	4806'	503

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation Benson/Riley Pay zone depth (ft) 4658-4662
 Gas: Initial open flow 1100 MCF/d Oil: Initial open flow 4138-4498 Bbl/d
 Final open flow 850 MCF/d Final open flow 0 Bbl/d
 Time of open flow between initial and final tests 0 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: 8/9/89

AUG 18 1989

Ash #1

1st. Stage - Shot 14 .39 holes from 4658' to 4662'. Broke down with 500 gals of 15% HCL acid at 3170 lbs. Ran 50 Sacks of 80/100 mesh sand and 350 sacks of 20/40 mesh sand at a rate of 22.1 BPM for a total volumn of 477 bbls. Average treating pressure was 2381 lbs. with and ISIP of 1959 lbs.

2nd Stage - Shot 16 .39 holes from 4138' to 4496'. Broke down with 500 gallons of 15% HCL acid at 1900 lbs. Ran 50 sacks of 80/100 mesh sand and 250 sacks of 20/40 mesh sand at a rate of 22.1 BPM for a total volumn of 401 bbls. Average treating pressure was 2782 lbs. with an ISIP of 1987 lbs.

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Formation	Color	Hard or Soft	Top	Bottom	
Clay	Red	Soft	0	30	
Sand	White	Hard	30	140	Water
Shale	Gray	Med	140	180	Water 50'
R Rock	Red	Soft	180	240	
Sand	White	Hard	240	300	
Sand/Shale	Gray	Med	300	385	Water 290
Sand	White	Hard	385	535	Inch stem
Shale	Red	Soft	535	545	
Sandy Shale	Gray	Hard	545	718	
Sandy Shale	GRay	Hard	718	1040	
Sand	White	Hard	1040	1100	
Shale	Gray	Med	1100	1120	
Sand	White	Hard	1120	1250	
Shale	Gray	Med	1250	1260	
Sand	White	Hard	1260	1310	
Sandy Shale	Gray	Med	1310	1587	Salt water 13
B Lime	White	Hard	1587	1660	
Shale	Gray	Med	1660	1680	Smell gas
Sand	White	Hard	1680	1700	
Sandy Shale	Gray	Med	1700	1842	
Sandy Shale	Gray	Med	1842	2762	
Shale	Gray	Med	2762	3366	
Sand/Shale	Gray	Soft	3366	4001	
Shale	Gray	Soft	4001	4540	
Shale	Gray	Soft	4540	4858	
TD				4858	

AUG 18 1989

0288

095-1298

Issued 5/26/89 Expires 5/26/91

Page ___ of ___

FORM WW-2B

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

- 1) Well Operator: THE COASTAL CORPORATION 10/25 1 606
- 2) Operator's Well Number: ASH #1 3) Elevation: 729'
- 4) Well type: (a) Oil ___ / or Gas X
(b) If Gas: Production X / Underground Storage ___
Deep ___ / Shallow X
- 5) Proposed Target Formation(s): BENSON 425
- 6) Proposed Total Depth: 5100 feet
- 7) Approximate fresh water strata depths: 50', 250', 310'
- 8) Approximate salt water depths: 1280', 1300' 1379'
- 9) Approximate coal seam depths: 527' 528' 559' 560'
- 10) Does land contain coal seams tributary to active mine? Yes ___ / No XX
- 11) Proposed Well Work: Drill and Stimulate New Well
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
<u>UPR</u> <u>5/25/89</u> Conductor	11 3/4"			120'	120'	CTs
Fresh Water						
Coal						
Intermediate	8 5/8"	ERW	23#	1650'	1650'	By Rule 38CSR 18.-11.3
Production	4 1/2"	ERW	10.50#	4930'	4930'	By Rule 38CSR 18.-11.1
Tubing						
Liners						

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MAY 25 1989

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

7407

Fee(s) paid: Plat WW-9 WW-2B Bond Blanket WPCP Agent

(Type)

RECEIVED
MAY 25 1989

- 1) Date: 5/24/89
- 2) Operator's well number
Ash #1
- 3) API Well No: 47 - 095 - 1298
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 Randall D. and ^{Doreen} Ash
Address Centerville, WV
 - (b) Name Ralph Arnold Ash
Address Centerville, WV
 - (c) Name Ronald Lee Ash
Address Centerville, WV
- 5) (a) Coal Operator:
 - Name _____
Address _____
 - (b) Coal Owner(s) with Declaration
 - Name _____
Address _____
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
 - Name _____
Address _____
- 6) Inspector Glen P. Robinson
Address Rt 1 Box #6 Mt. Pleasant Est.
Mineralwells, WV 26150
Telephone (304)-489-9162

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

X 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)

Surface Owner waiver executed and 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: [Signature]
 Its: Vice President
 Address P. O. Box 4119
Parkersburg, WV 26104
 Telephone 304-428-3471

Subscribed and sworn before me this 24 day of May, 1989

My commission expires Sept. 19, 1990 [Signature] Notary Public