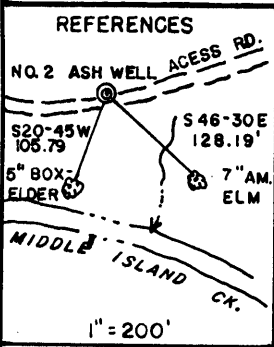
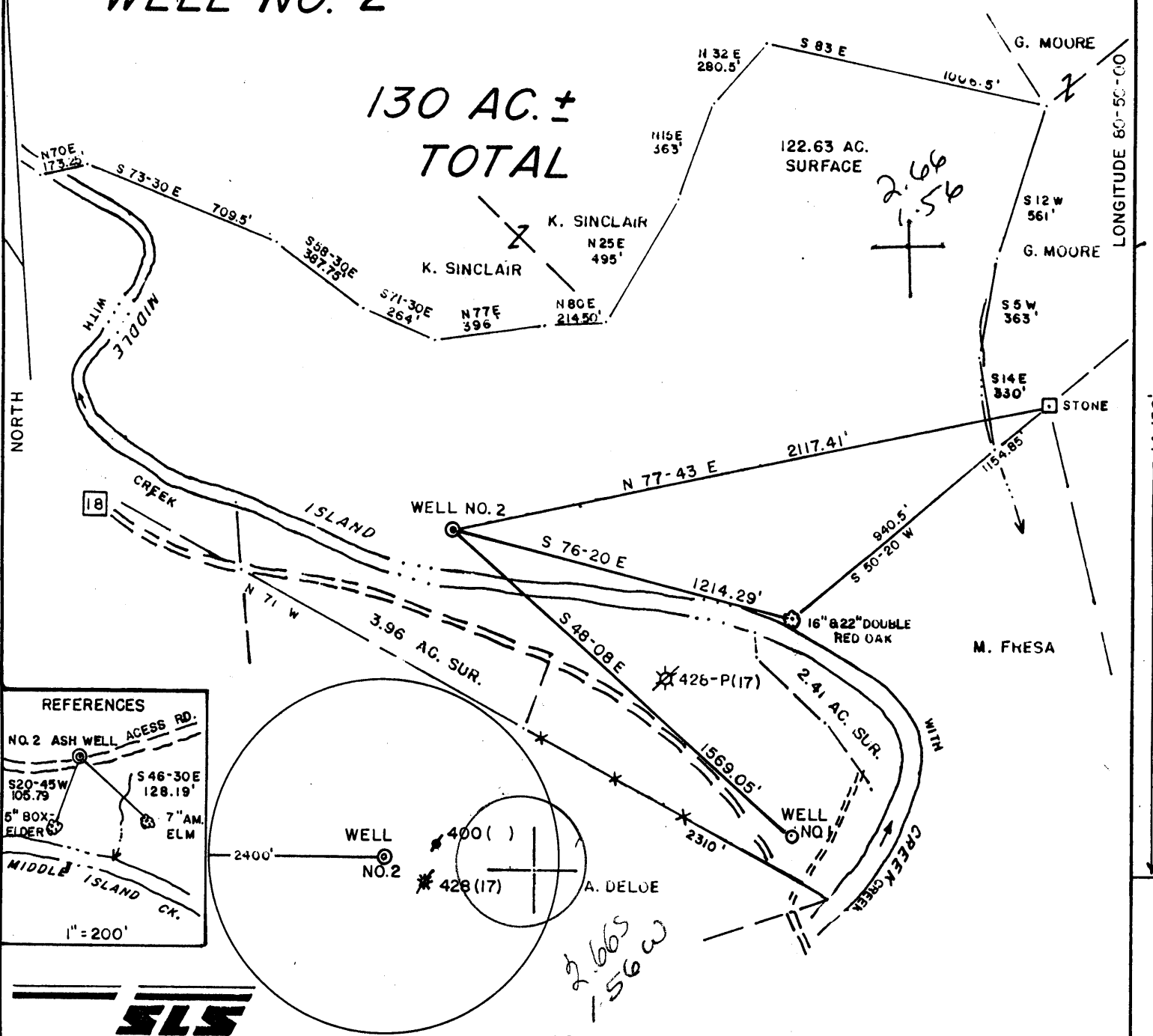


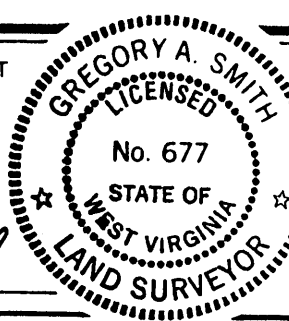
*Janie 5/25/89*  
**ASH LEASE  
WELL NO. 2**

**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. *Gregory A. Smith*  
677



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
DATE MAY 24, 19 89  
OPERATORS WELL NO. ASH NO. 2  
API WELL NO. 47 - 095 - 1299  
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 727' WATERSHED MIDDLE ISLAND CREEK West Union C

DISTRICT CENTERVILLE 1 COUNTY TYLER QUADRANGLE SHIRLEY 75' 607

SURFACE OWNER RALPH A. ASH ET AL ACREAGE 122.63 133

ROYALTY OWNER RALPH A. ASH ET AL LEASE ACREAGE 122.63 OF 133 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 500 MAY 26 1989

WELL OPERATOR THE COASTAL CORP. DESIGNATED AGENT WILLIAM CARPENTER  
ADDRESS PO BOX 4119 PARKERSBURG, WV 26101 ADDRESS PO BOX 4119 PARKERSBURG, WV 26101  
*195 G-G Wilbur (092)*

COUNTY NAME 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 2

LOCATION: Elevation: 727.00 Quadrangle: SHIRLEY

District: CENTERVILLE County: TYLER  
Latitude: 14150 Feet South of 39 Deg. 25Min. 0 Sec.  
Longitude 8330 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: 06/20/89  
Well work Completed: 07/26/89  
Verbal Plugging  
Permission granted on: N/A  
Rotary X Cable \_\_\_\_\_ Rig  
Total Depth (feet) 4927  
Fresh water depths (ft) \_\_\_\_\_  
260'  
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	122	122	71
8 5/8	1689	1689	518
4 1/2	4816	4816	503

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DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation Benson/Riley Pay zone depth (ft) 4018-4274  
 Gas: Initial open flow 1000 MCF/d Oil: Initial open flow 0 Bbl/d  
 Final open flow 700 MCF/d Final open flow 0 Bbl/d  
 Time of open flow between initial and final tests \_\_\_\_\_ Hours  
 Static rock Pressure 1400 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 #2

1st Stage - Shot 14 .39 holes from 4668' to 4672'. Broke down with 500 gals of 15% HCL acid at 1850 lbs. Ran 50 sacks of 80/100 mesh sand and 350 sacks of 20/40 mesh sand at a rate of 23 BPM for a total volumn of 497 bbls. Average treating pressure was 2392 lbs., with an ISIP of 1747 lbs.

2nd Stage - Shot 16 .39 holes from 4018' to 4274'. Broke down with 500 gals of 15% HCL acid at 1923 lbs. Ran 50 sacks of 80/100 mesh sand and 250 sacks of 20/40 mesh sand at a rate of 24 BPM for a total volumn of 405 bbls.. Average treating pressure was 2572 lbs. with an ISIP of 1620 lbs.

Formation	Color	Hard/Soft	Top	Bottom	
Sandy shale	Gray	Med	50	130	
Red Rock	Red	Soft	130	163	
Sand	White	Med	163	200	
Sand	White	Hard	200	280	water 260
Shale	Gray	Med	280	540	
Sandy Shale	Gray	Med	540	850	
Sand	White	Hard	850	930	
Shale	Gray	Med	930	1014	
Sand	White		1710	1760	
Shale/sand	White		1760	1970	
Sand			1970	1990	oil & gas
Shale	Gray	Med	1990	2100	
Sandy shale	Gray	Med	2100	3837	
Shale	Gray	Soft	3837		

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DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

AUG 18 1989

1788

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

- 1) Well Operator: THE COASTAL CORPORATION 10125 1 606
- 2) Operator's Well Number: ASH #2 3) Elevation: 727'
- 4) Well type: (a) Oil  / or Gas  /  
(b) If Gas: Production  / Underground Storage  /  
Deep  / Shallow  /
- 5) Proposed Target Formation(s): Benson
- 6) Proposed Total Depth: 5100' feet
- 7) Approximate fresh water strata depths: 48' 248' 308'
- 8) Approximate salt water depths: 1278' 1298' 1377'
- 9) Approximate coal seam depths: 525' 526' 557' 558'
- 10) Does land contain coal seams tributary to active mine? Yes  / No  /
- 11) Proposed Well Work: Drill & 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.)
Conductor	11 3/4"			120'	120'	CTS
Fresh Water						
Coal						
Intermediate	8 5/8"	ERW	23#	1650'	1650'	CTS By Rule 38CSR 18.11-1
Production	4 1/2"	ERW	10.50#	4930'	4930'	By Rule 38CSR 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

7403  
 Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond 50 Blanket sure  Agent  
 (Type)

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Page 1 of  
Form WW2-A  
(09/87)  
File Copy

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

1) Date: 5/24/89  
2) Operator's well number  
Ash #2  
3) API Well No: 47 - 095 - 1299  
State - County - Permit

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 Dorena 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

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