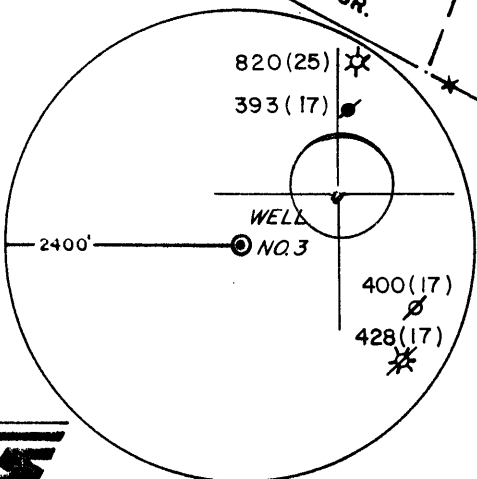
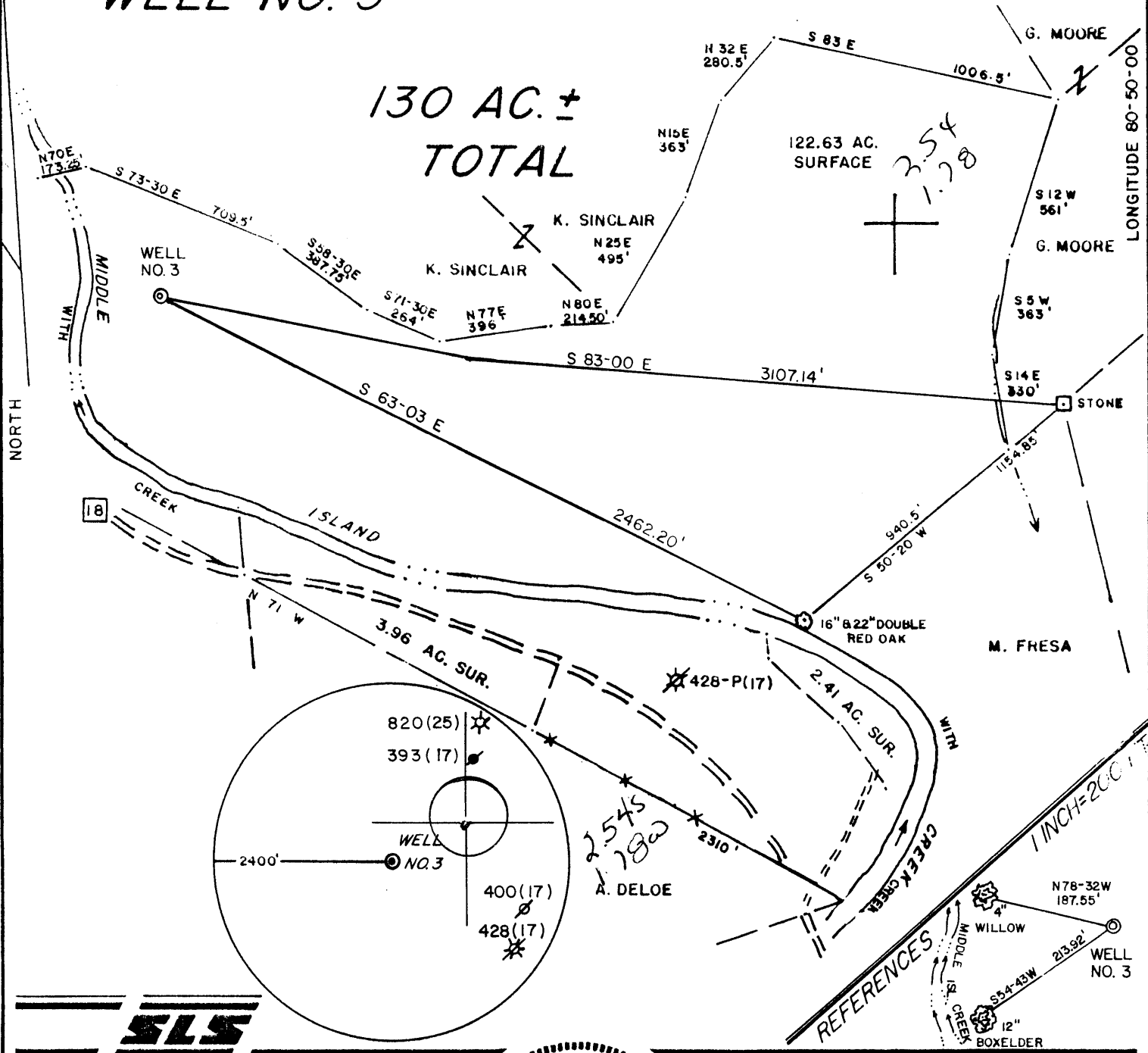


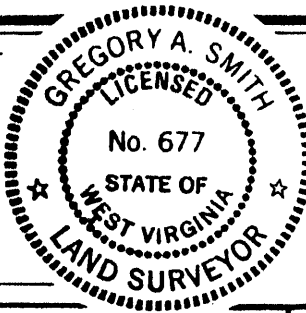
Opmie 8/25/89 ASH LEASE WELL NO. 3

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 AUGUST 23, 19 89
OPERATORS WELL NO. ASH NO. 3
API WELL NO. 47 - 095 - 1325
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2074(28-42)
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 718' 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 130 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 4900 **SEP 1 1989**

WELL OPERATOR THE COASTAL CORP. DESIGNATED AGENT WILLIAM CARPENTER

ADDRESS PO BOX 4119 PARKERSBURG, WV 26101 ADDRESS PO BOX 4119 PARKERSBURG, WV 26101

135960

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 #3

LOCATION: Elevation: 718.00 Quadrangle: SHIRLEY

District: CENTERVILLE County: TYLER
Latitude: 13420 Feet South of 39 Deg. 25Min. 0 Sec.
Longitude 9420 Feet West of 39 Deg. 25 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: 08/28/89
Well work Commenced: 9/26/89
Well work Completed: 10/2/89

Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig _____
Total Depth (feet) 4851'
Fresh water depths (ft) _____
290' 360'

Salt water depths (ft) _____
1593'

Is coal being mined in area (Y/N)? N
Coal Depths (ft): N/A

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
11 3/4		118	118 cuft
8 5/8		1707	534 cuft
4 1/2		4815	503 cuft

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation Benson/Riley Pay zone depth (ft) 4676-4680
Gas: Initial open flow 1000 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 800 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 1550 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: 11/9/89

NOV 20 1989

Ash #3

1st Stage - Shot 14 .39 holes from 4676' to 4680' and broke down with 500 gals of 15% HCL acid at 2015 lbs. Ran 50 sacks of 80/100 mesh sand and 350 sack of 20/40 mesh sand at a rate of 18.8 BPM for a total volumn of 440 bbls. Average treating presure was 2976 lbs., with an ISIP of 1631 lbs.

2nd Stage - Shot 14 .39 holes from 4049' to 4300' and broke down with 500 gals of 15% HCL acid at 1822 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 420 bbls. Average treating presure was 2828 lbs., with and ISIP of 1858 lbs.

Formation	Color	Hard/Soft	Top	Bottom	
Mud	Brown	Soft	0	15	
Shale/Sand	Grey	Med	15	70	
Sand Shale	Grey	Hard	70	132	
Sand	White	Hard	132	250	
R. Rock	Red	Soft	250	290	
Shale	Grey	Med	290	360	Hole wet 380'
Sand	White	Hard	360	400	
Shale	Grey	Med	400	520	
Sand	White	Med	520	540	
Shale	Red	Soft	540	605	
Shale	Grey	Med	605	890	
Sand/Shale	Grey	M/Hard	890	1025	
Sand	White	Hard	1025	1340	
Sand/Shale	Grey	Med	1340	1593	
Sand	White	Hard	1593	1615	
B. Lime	White	Hard	1615	1752	
Sand	White	Med	1752	1817	
Sand	White	Med	1817	1850	
Sandy/Shale	Grey	Med	1850	2150	
Shale	Grey	Soft	2150	2190	
Sand/Shale	Grey	Med	2190	2326	
Shale	Grey	Med	2326	3265	
Shale	Grey	Med	3265	3861	
Shale	Grey	Med	3861	4851	TD

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DEPARTMENT OF ENERGY

**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 #3 3) Elevation: 720
- 4) Well type: (a) Oil ___ / or Gas X /
 (b) If Gas: Production X / Underground Storage ___ /
 Deep ___ / Shallow X /
- 5) Proposed Target Formation(s): Benson, Riley 435
- 6) Proposed Total Depth: 5000 feet
- 7) Approximate fresh water strata depths: 41', 241', 301'
- 8) Approximate salt water depths: 1271', 1291', 1370'
- 9) Approximate coal seam depths: 518', 519', 550', 551'
- 10) Does land contain coal seams tributary to active mine? Yes ___ / No X /
- 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>8/24/89</u> Conductor	11 3/4			120'	120'	CTS
Fresh Water						
Coal						<u>3052 B. 11.2.2</u>
Intermediate	8 5/8	ERW	23#	1700'	1700'	By rule 38 CSF 18.11.3
Production	4 1/2	ERW	10.5#	4800'	4800'	By rule 38 CSF 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: Plat | Well Work Permit Blanket Sure | Reclamation Fund Plat | WPCP Plat
Plat | WW-9 Plat | WW-2B Plat | Bond Blanket Sure | Agent Plat
 (Type)

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

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: 8/23/89
2) Operator's well number
Ash #3
3) API Well No: 47 - 095 - 1325
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 Doretta 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 N/A
Address _____
- (b) Coal Owner(s) with Declaration
Name N/A
Address _____
- Name _____
Address _____
- (c) Coal Lessee with Declaration
Name N/A
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)

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: Linda C. Carpenter
Its: Vice President
Address P O Box 4119
Parkersburg, WV 26104
Telephone 304-428-3471

Subscribed and sworn before me this 23rd day of August, 1989

Linda Ann Mullen Notary Public
My commission expires May 24, 1999