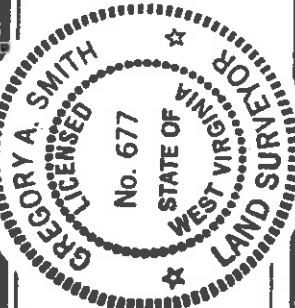
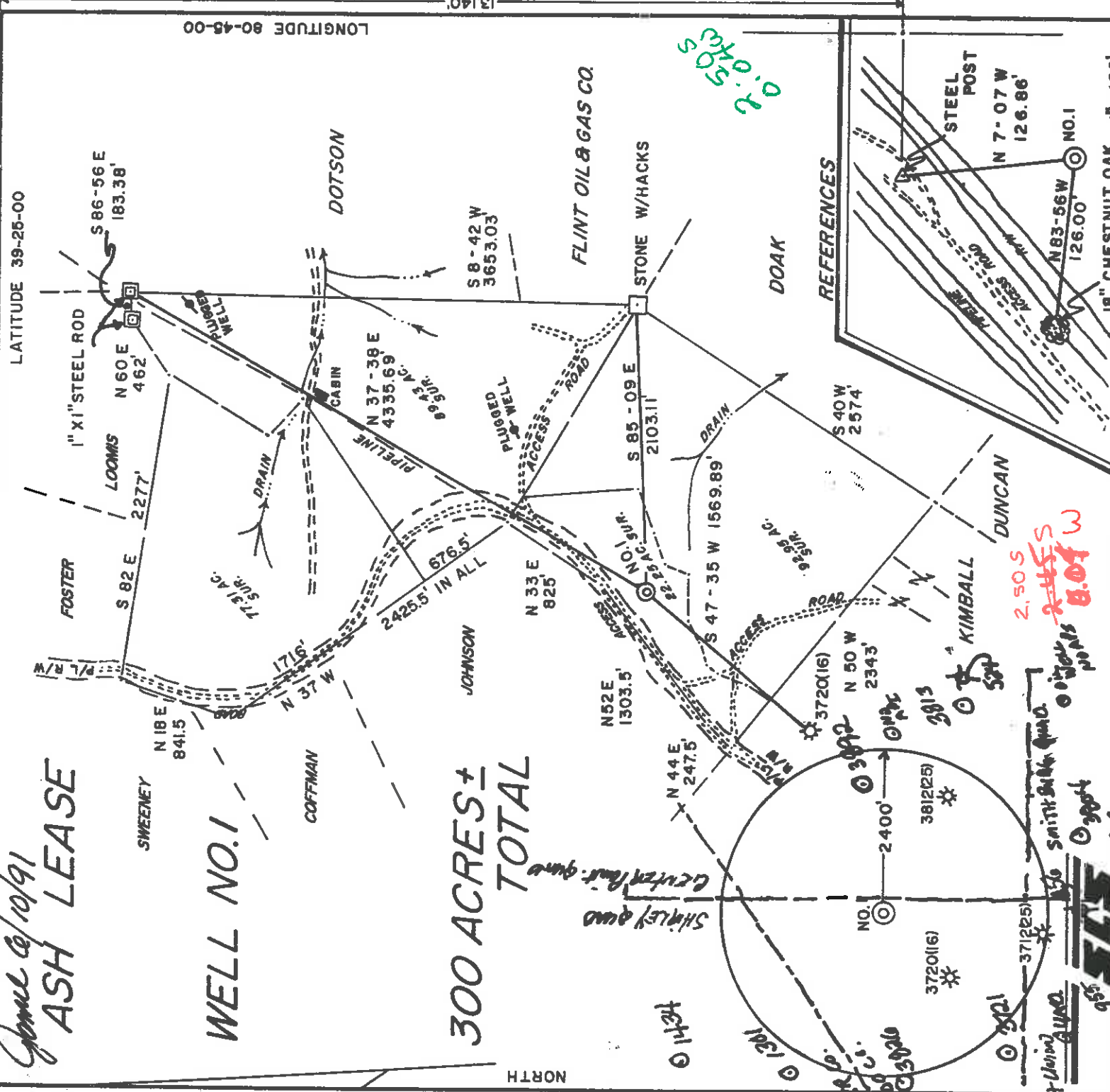


June 10/10/91
ASH LEASE

WELL NO. 1

300 ACRES ±
TOTAL

NORTH



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 11, 1991
OPERATORS WELL NO. ASH NO. 1
API WELL NO. 47-017-3891
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200
FILE NO. 2512 (37-6)
SCALE 1" = 1000'
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. 1318'

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 1146' WATERSHED LITTLE FLINT RUN
DISTRICT GRANT 3 COUNTY DODDRIDGE

SURFACE OWNER EMORY KIMBALL
ROYALTY OWNER WILLIAM W. ASH HEIRS ET. AL.

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)

WELL OPERATOR CHESTERFIELD ENERGY CORP DESIGNATED AGENT SAMUEL J. CANN
ADDRESS 203 WEST MAIN ST., CLARKSBURG, WV 26301
PERMIT ESTIMATED DEPTH 5500'
TARGET FORMATION BENSON-ALEXANDER
OTHER CLEAN OUT AND REPLUG

H. T. HALL 066995
6-6 Swiger (FlintRun) (697)

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

Well Operator's Report of Well Work

AUG 0 7 91

Farm name: KIMBALL, EMORY Operator Well No.: ASH 1

LOCATION: Elevation: 1146.00 Quadrangle: SHIRLEY

District: GRANT County: DODDRIDGE
Latitude: 13140 Feet South of 39 Deg. 25Min. 0 Sec.
Longitude 290 Feet West of 80 Deg. 45 Min. 0 Sec.Company: CHESTERFIELD ENERGY CORP.
203 WEST MAIN STREET
CLARKSBURG, WV 26301-0000

Agent: SAMUEL J. CANN

Inspector: MIKE UNDERWOOD
Permit Issued: 06/20/91
Well work Commenced: 07/11/91
Well work Completed: 07/18/91
Verbal Plugging
Permission granted on: Rig
Rotary XX Cable 5368'
Total Depth (feet) 730, 1761
Fresh water depths (ft) 730, 1761

Salt water depths (ft) None

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

OPEN FLOW DATA

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	30	0	
8 5/8"	1253	1253	surface
4 1/2"	5287	5287	200 sks

Producing formation Benson

Gas: Initial open flow show MCF/d Oil: Initial open flow Pay zone depth (ft) 5194'-5200'
Final open flow 475 MCF/d Final open flow Bbl/d
Time of open flow between initial and final tests 144 Bbl/d
Static rock Pressure 1370 psig (surface pressure) after 48 Hours

Second producing formation

Gas: Initial open flow MCF/d Oil: Initial open flow Pay zone depth (ft)
Final open flow MCF/d Final open flow Bbl/d
Time of open flow between initial and final tests Bbl/d
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.

Samuel J. Cann

For: CHESTERFIELD ENERGY CORP.

BY: 

Date: July 31, 1991

AUG 1 6 1991

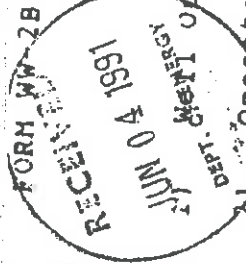
Frac Info:

Benson perf 5194' - 5200' 16 holes

Foam Frac 40,000" 20/40
 BDP: 1800#
 AVTP: 3070#
 AV rate: 20 Bpm
 ISI P: 1760#

Drilling Info:

Fill	0	5	
Sand	5	11	
Red Rock	11	156	
Sand & Shale	156	400	
Red Rock	400	400	
Sand & Shale	450	450	
Shale	1300	1300	1/4" stream water @ 730'
Maxon Sand	1907	1907	3/4" stream water @ 1760'
Shale & Red Rock	1970	1970	
Little Lime	2053	2053	
Shale	2053	2068	Gas ck @ 2256' 70/10-2" w/w
Big Lime	2068	2092	Gas CK @ 3778' 60/10-2" w/w
Injun	2092	2169	Gas CK @ 3996' 80/10-2" w/w
Pocono	2169	2195	Gas ck @ 5212' 80/10-2" w/w
Shale	2195	2250	
Weir	2250	2418	
Berea	2418	2428	
Shale	2428	2590	
Berea	2590	2600	
Shale	2600	3014	
Gordon	3014	3027	
Shale	3027	3490	
Warren	3490	3504	
Shale	3504	3757	
Balltown	3757	3769	
Shale	3769	3983	
Balltown	3983	3996	
Shale	3996	4955	
Riley	4955	4967	
Benson	5190	5200	
Shale	5200	5368	
TD	5368		



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

Operator: 163 CHESTERFIELD ENERGY CORPORATION 9550 (3) Ala
Operator's Well Number: ASH WELL NO. 1 3) Elevation: 1146'

4) Well type: (a) OIL / or Gas X / Drilled 06/20/91
(b) If Gas: Production X / Undergound Storage Shallow X /
Deep 439 Expires 06/20/93

5) Proposed Target Formation(s): Benson-Alexander
6) Proposed Total Depth: 5500 feet
7) Approximate fresh water strata depths: 115'
8) Approximate salt water depths: N/A
9) Approximate coal seam depths: N/A

10) Does land contain coal seams tributary to active mine? Yes X No X
11) Proposed Well Work: Drill & Stimulate New York

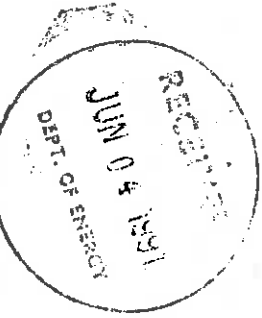
CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	11-3/4"			16'	0'	0 Sacks
Fresh Water	8-5/8"			1000'	1000'	CTS by 38 CSR 18-11.3
Coal						
Intermediate						
Production	4-1/2"			5500'	5500'	CTS or by 38 CSR 18-11.1
Tubing						
Linners						

12352

PACKERS : Kind _____
Sizes _____
Depths set _____

1498
116
Fee(s) paid: 116 Well Work Permit 116 Reclamation Fund 116 WPCP
Plat: 116 MW-9 116 MW-28 116 Bond 116 (Type) 116 Agent



1) Date: May 3rd, 1991
2) Operator's Well Number ASH WELL NO. 1
3) API Well No: 47 - 017 - 3891
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 Emory Kimball
Address HCR 74, Box 90
Alma, WV 26320
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Mike Underwood
Address Rt. 2, Box 135
Salem, WV 26426
Telephone (304) - 782 - 1043

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 XXX 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 9 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 CHESTERFIELD ENERGY CORPORATION
By: Samuel J. Cann VP of Land & Contracts
Its: _____
Address 203 West Main Street
Clarksburg, WV 26301
Telephone 623 - 5467

Subscribed and sworn before me this 16th day of May, 1991
Blunde D. Shumway Notary Public
My commission expires June 14, 1994