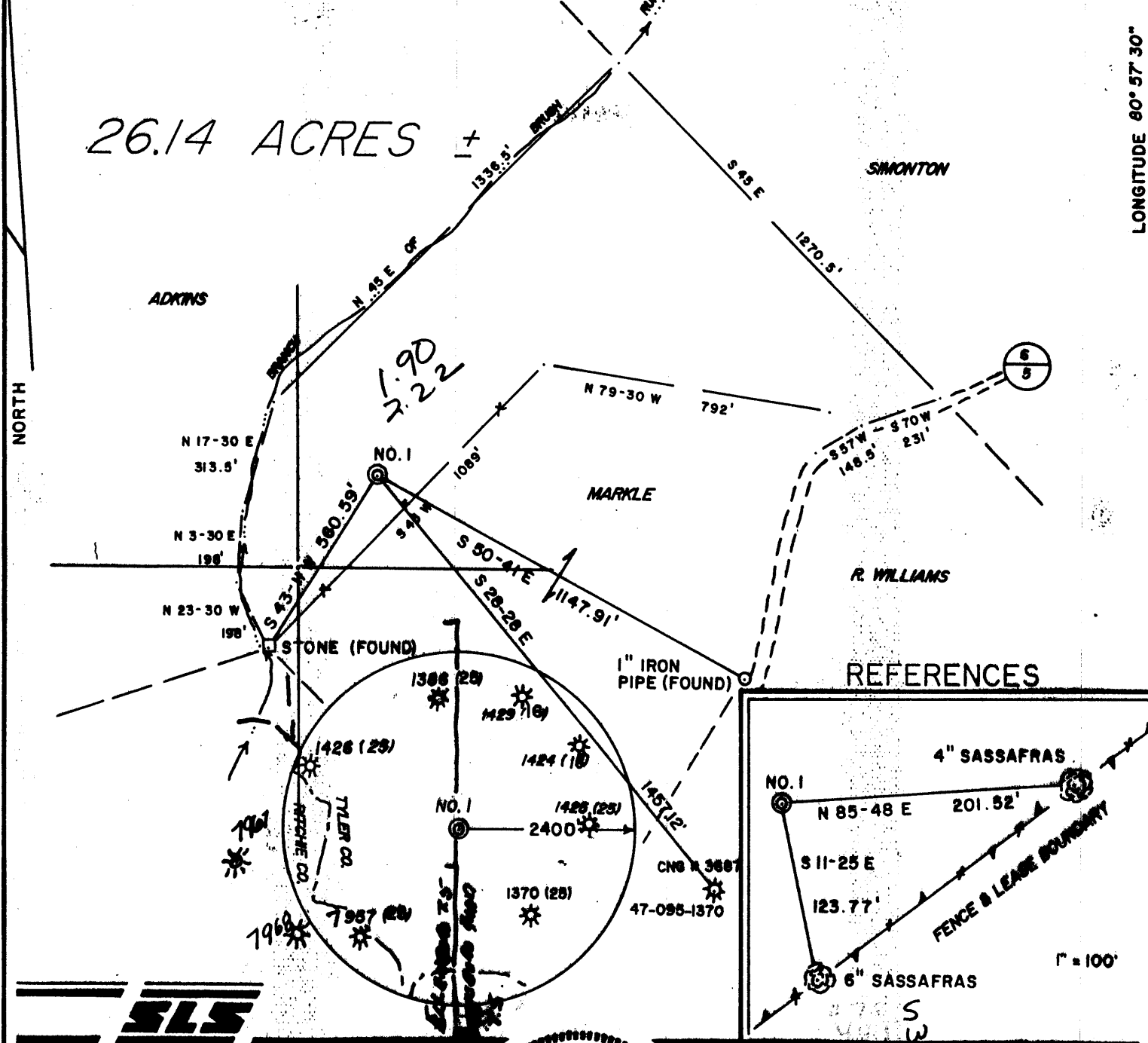


Amie
10/30/91

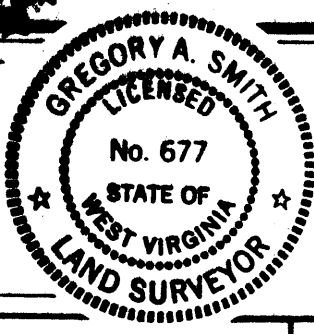
WILLIAMS LEASE WELL NO. 1

26.14 ACRES



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 JULY 3, 19 91
OPERATORS WELL NO. WILLIAMS NO. 1
API WELL NO. 47 - 095 - 1488
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2618 (37-33)
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. = 1083' SCALE 1" = 400'

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1025' WATERSHED BRUSH RUN
DISTRICT MEADE 4 COUNTY TYLER QUADRANGLE PENNSBORO 7.5'

SURFACE OWNER JOHN R. & NORMA S. WILLIAMS ACREAGE 26.14
ROYALTY OWNER JOHN R. & NORMA S. WILLIAMS LEASE ACREAGE 26.14 OF 62

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 5000'

WELL OPERATOR CHESTERFIELD ENERGY CORP. DESIGNATED AGENT SAMUEL J. CANN
ADDRESS 203 W. MAIN ST. CLARKSBURG, WV 26301 ADDRESS 203 W. MAIN ST. CLARKSBURG, WV 26301

COUNTY NAME PERMIT

55

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Reviewed TMG
Recorded _____

Well Operator's Report of Well Work
Farm name: WILLIAMS, JOHN R & NORMA Operator Well No.: WILLIAMS # 1

LOCATION: Elevation: 1025.00 Quadrangle: PENNSBORO

District: MEADE County: TYLER
Latitude: 10100 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 11820 Feet West of 80 Deg. 57 Min. 30 Sec.

Company: CHESTERFIELD ENERGY CORP.
203 WEST MAIN STREET
CLARKSBURG, WV 26301-0000

Agent: SAMUEL J. CANN

Inspector: MIKE UNDERWOOD
Permit Issued: 10/30/91
Well work Commenced: 11/12/91
Well work Completed: 11/18/91

Verbal Plugging
Permission granted on: _____
Rotary XX Cable _____ Rig
Total Depth (feet) 5102
Fresh water depths (ft) 70', 1427'

Salt water depths (ft) none

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"	30	0	
8 5/8"	994	994	to surface
4 1/2"	5052	5052	200 sks

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 4942' - 4955'
Gas: Initial open flow -0- MCF/d Oil: Initial open flow - Bbl/d
Final open flow 270 MCF/d Final open flow - Bbl/d
Time of open flow between initial and final tests 96 Hours
Static rock Pressure 1350 psig (surface pressure) after 96 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.

Samuel J. Cann
For: CHESTERFIELD ENERGY CORP.
By: [Signature]
Date: January 2, 1991

Frac Info:

Benson 40,000# 20/40
65 Q foam

4849-4855

perf: ~~4949-4955~~ 16 holes
AV TP: 3000#
Av Rate: 24 Bpm
ISIP: 1193#

Drilling Info:

	Sand	0	10	
	Sand & Shale	10	200	Hole damp @ 70'
	Sand <i>Dominio ss</i>	200	550	Hole damp @ 1427'
	Sand & Shale	550	800	
135	con Red Rock	800	850	
	Sand & Shale	850	1200	
247	Sand <i>Redwood ss</i>	1200	1511	
	Shale	1511	1880	Gas Ck @ 1850' No Show
	Sand & Shale	1880	1905	Gas Ck @ 2688' No Show
345	Big Lime	1905	1960	Gas Ck @ 4709' No Show
371	Injun	1960	2020	
	Shale	2020	3100	
	Sand & Shale	3100	3550	
	Sand	3550	4000	
	Sand & Shale	4000	4835	
435	Benson	4835	4855	
449	Sand & Shale	4855	5102	
	TD	5102		

474

OCT 29 1991

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

095-1488

Issued Page 3 of 7
10/30/91

Expires 10/30/93

9550(4) 538

- 1) Well Operator: CHESTERFIELD ENERGY CORPORATION
- 2) Operator's Well Number: WILLIAMS WELL NO. 1 3) Elevation: 1025'
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Benson 435
- 6) Proposed Total Depth: 5000 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 / No /
- 11) Proposed Well Work: Drill & 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.)
Conductor	11-3/4"			30'	0'	0 Sacks
Fresh Water	8-5/8"			1212'	1212'	By Rule 38 CSR 18-11.3
Coal						
Intermediate						
Production	4-1/2"			5000'	5000'	By Rule 38 CSR 18-11.1
Tubing						
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Division of Oil and Gas Use Only

1748
78
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond _____ Agent
 (Type)

1) Date: July 10th, 1991
2) Operator's well number
WILLIAMS WELL NO. 1
3) API Well No: 47 - 095 - 1488
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

<p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>John R. & Norma S. Williams</u> Address <u>Rt. 5, Box 140</u> <u>Parkersburg, WV 26101</u></p> <p>(b) Name _____ Address _____</p> <p>(c) Name _____ Address _____</p>	<p>5) (a) Coal Operator:</p> <p>Name <u>N/A</u> Address _____</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name <u>N/A</u> Address _____</p> <p>Name _____ Address _____</p> <p>(c) Coal Lessee with Declaration</p> <p>Name <u>N/A</u> Address _____</p>
<p>6) Inspector <u>Mike Underwood</u> Address <u>Rt. 2, Box 135</u> <u>Salem, WV 26426</u> Telephone (304)- <u>782 - 1043</u></p>	

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 7 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*
 Its: Samuel J. Cann - VP of Land & Contracts
 Address 203 West Main Street
Clarksburg, WV 26301
 Telephone 623 - 5467

Subscribed and sworn before me this 10th day of July, 19 91

Gregory A. Smith Notary Public
 My commission expires 12-7-92