

Jamie 7/10/89

SPENCER - BOOHER LEASES

WELL NO. 1

NORTH

LONGITUDE 80° 45' 00"

WELCH

SPENCER LEASE
35 ACRES ±
SAMS et. ux. sur.

BOOHER LEASE
50 ACRES ±

BROWN

*1.10
0.38
3.98
0.38*

15 AC. ± SUR.

S81W 627'

SMITH

N48W 594'

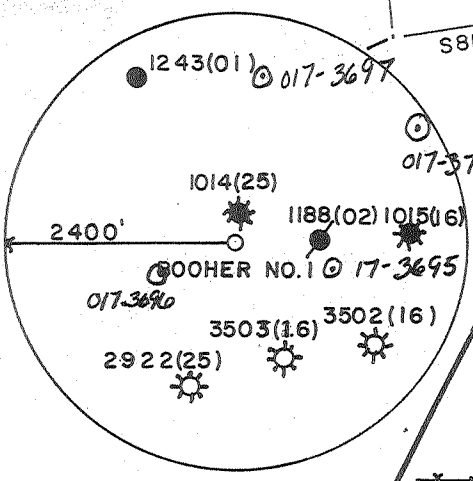
W/L BOOHER NO. 1
S57-47E 488.01'

WEST 990'

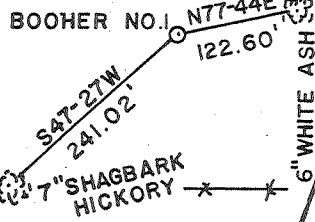
SOUTH 808.5'

S21-58W 1774.83'

2992(25)



REFERENCES



1" = 200'



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*
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(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE MARCH 20, 19 89
 OPERATORS WELL NO. BOOHER NO. 1
 API WELL NO. 47 - 017 - 3736
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 1994 (27-37)
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. = 1307' SCALE 1" = 500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



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

LOCATION: ELEVATION 972' WATERSHED LITTLE FLINT RUN

DISTRICT GRANT 3 COUNTY DODDRIDGE QUADRANGLE WEST UNION 7.5' 671

SURFACE OWNER WILLIS & WILMA BROWN ACREAGE 50

ROYALTY OWNER JAMES BOOHER LEASE ACREAGE 50

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___ OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) ___ TARGET FORMATION ALEXANDER

ESTIMATED DEPTH 5500'

WELL OPERATOR CHESTERFIELD ENERGY CORP. DESIGNATED AGENT SAMUEL J. CANN

ADDRESS 203 WEST MAIN STREET CLARKSBURG, WV 26301 ADDRESS 203 WEST MAIN STREET CLARKSBURG, WV 26301

JUL 14 1989

COUNTY NAME PERMIT

SLS

REC-11
AUG 30 1989

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

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
Well Operator's Report of Well Work

Farm name: BROWN, WILLIS & WILMA Operator Well No.: BOOHER #1

LOCATION: Elevation: 972.00 Quadrangle: WEST UNION

District: GRANT County: DODDRIDGE
Latitude: 5850 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude: 2090 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: 07/11/89
Well work Commenced: 7/24/89
Well work Completed: 7/30/89
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5264'
Fresh water depths (ft) 106'

Salt water depths (ft) -0-

Is coal being mined in area (Y/N)? No
Coal Depths (ft): None

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	36'		pulled
8 5/8		1153'	272 sks
4 1/2		5072'	130 sks

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 4982'-4986'
Gas: Initial open flow show MCF/d Oil: Initial open flow -0- Bbl/d
Final open flow 120 MCF/d Final open flow -0- Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 1260 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: Samuel J. Cann
CHESTERFIELD ENERGY CORP.

By: *Samuel J. Cann*
Date: August 29, 1989

SEP 1 1989

Frac Info

11

Benson (4982'-4986') 15 Holes

8,000# 80/100; 45,000# 20/40
650 BBLs Water

Drilling Info

Shale	0	296	1" stream water @ 106'
Sand & Shale	206	1185	Hole Damp
Shale	1185	1900	
Big Lime	1900	1964	
Injun	1964	2108	
Sand & Shale	2108	2258	
Weir	2258	2334	
Shale	2334	2450	
Berea	2450	2470	
Shale	2470	2670	
Gordon	2670	2710	
Sand & Shale	2710	3105	
Shale	3105	4520	
Riley	4520	4580	
Shale	4580	4982	
Benson	4982	4990	
Shale	4990	5134	
Loggers TD	5134		

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DEPARTMENT OF ENERGY

1615

SEP 1 1989

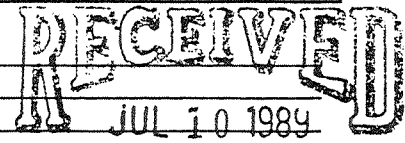
STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

- 1) Well Operator: Chesterfield Energy Corporation 9550, 3, 670
- 2) Operator's Well Number: Booher Well No. 1 3) Elevation: 972'
- 4) Well type: (a) Oil / or Gas /
 (b) If Gas: Production / Underground Storage /
 Deep / Shallow /
- 5) Proposed Target Formation(s): Alexander
- 6) Proposed Total Depth: 5500' feet
- 7) Approximate fresh water strata depths: 331' 70', 611', 617'
- 8) Approximate salt water depths: 1228' N/A 1778'
- 9) Approximate coal seam depths: 017-022' 372-374' 376-379' N/A 646-649' 168-172'
- 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"			16'	0'	0 Skts.
Fresh Water	8 5/8"			1172'	1172'	CTS or 38 CSR 18-11.3
Coal						
Intermediate						
Production	4 1/2"			5500'	5500'	By Rule 38 CSR 18-11.1
Tubing						
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____



For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

Fee(s) paid: 15 Well Work Permit 15 Reclamation Fund 15 WPCP

Plat 15 WW-9 15 WW-2B 15 Bond Blanket Sure Agent 15

Handwritten notes:
 0667
 15
 15
 15

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JUL 10 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: March 27, 1989
2) Operator's well number
Booher Well No. 1
3) API Well No: 47 -017 - 3736
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 Willis & Wilma Brown
 - Address Rt. 2, Box 294
West Union, WV 25456
 - (b) Name _____
 - Address _____
 - (c) Name _____
 - Address _____
- 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 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
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 Chesteyfield Energy Corporation
By: [Signature]
Its: Vice President Land and Contracts
Address 203 West Main Street
Clarksburg, WV 26301
Telephone 623-5467

Subscribed and sworn before me this 6th day of July, 1989

[Signature] Notary Public
My commission expires June 14, 1994