

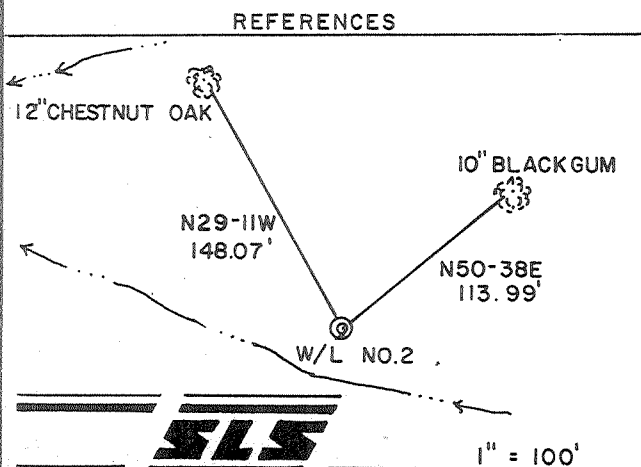
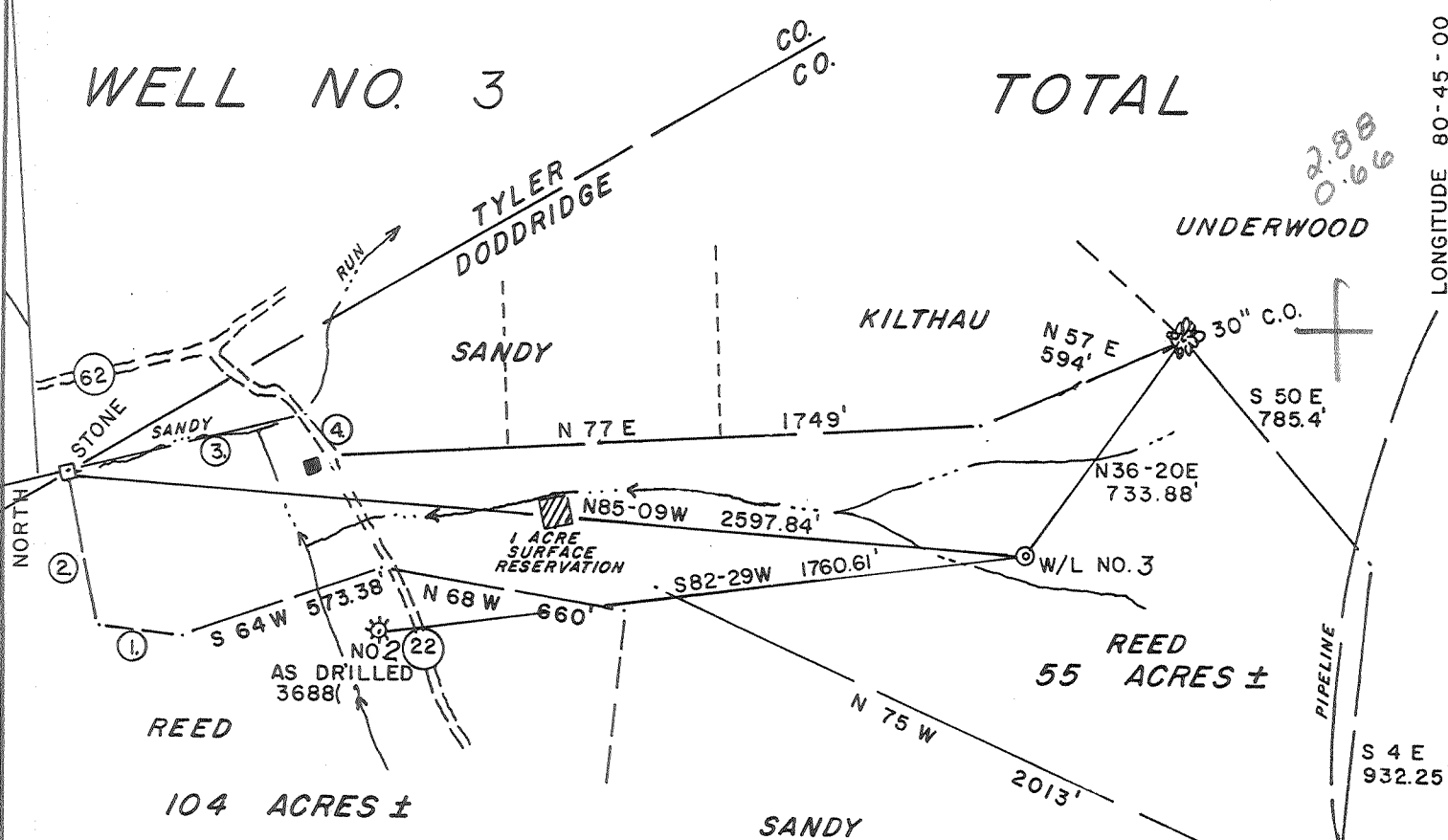
Janie 1/10/89

REED LEASE

158 ACRES ±

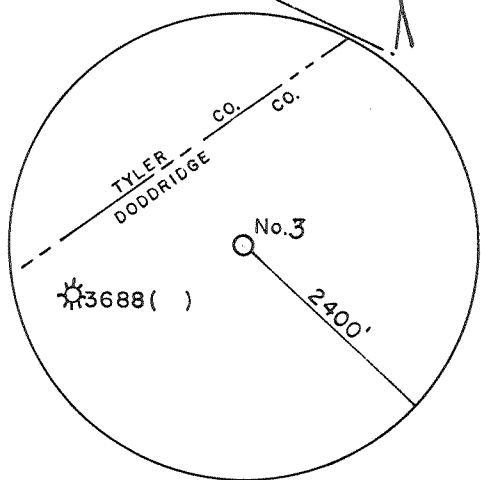
WELL NO. 3

TOTAL



LINE TABLE

1. EAST	231'
2. N 18 W	429'
3. N 69-30E	660'
4. S 48 E	132'



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 JANUARY 7, 19 89
 OPERATORS WELL NO. REED No. 3
 API WELL NO. 47 - 017 - 3692
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 1936 (27-6)
 PROVEN SOURCE OF ELEVATION JUCT. OF ROADS SCALE 1" = 500'
 ELEV. = 812'

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 1002 WATERSHED SANDY RUN DISTRICT GRANT 3 COUNTY DODDRIDGE QUADRANGLE WEST UNION 7.5' 67'

SURFACE OWNER BRADFORD D. REED et. ux. ACREAGE 54 of 158
 ROYALTY OWNER BRADFORD D. REED et. ux. LEASE ACREAGE 54 of 158

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-ALEXANDER ESTIMATED DEPTH 5500'

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

COUNTY NAME PERMIT

6-6 Swiger (Flint Run) (097)

017-3692
 [Revised]

Well Operator's Report of Well Work

Farm name: REED, BRADFORD & SARAH Operator Well No.: REED #3

LOCATION: Elevation: 1002.00 Quadrangle: WEST UNION

District: GRANT County: DODDRIDGE
 Latitude: 0 Feet South of 39 Deg. 22Min. 30 Sec.
 Longitude 3570 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: 01/10/89
 Well Commenced: 01/17/89
 Well Completed: 01/22/89
 Vertical Logging _____
 Permits granted on: _____
 Rotary Cable Rig _____
 Total Depth (feet) 5100'
 Fresh water depths (ft) 110'

Salt water depths (ft) _____

Is coal being mined in area (Y/N)? No
 Coal Depths (ft): N/A

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8 5/8		1031'	280 sks
4 1/2		5068'	150 sks
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DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) _____
 Gas: Initial open flow -0- MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow 581 MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests 60 Hours
 Static rock Pressure 1360 psig (surface pressure) after 40 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: CHESTERFIELD ENERGY CORP.
 By: *Samuel J. Cann*
 Date: February 27, 1989

MAR 03 1989
 Curran Wilson

Frac: Benson 10,000# 80/100; 60,000# 20/40
 759 BBLs
 5011' - 5016' (15 Holes)

Ground Level	0	48
Dirt	48	100
Red Rock & Sand	100	665
Red Rock	665	808
Shale	808	1032
Sand	1032	1767
Big Lime	1767	1918
Injun	1918	1975
Sand & Shale	1975	2128
Weir	2128	2274
Sand & Shale	2274	2356
Berea	2356	2473
Sand & Shale	2473	2494
Gordon	2494	2700
Sand & Shale	2700	2736
Balltown	2736	3380
Shale	3380	3406
Riley	3406	4545
Shale	4545	4585
Benson	4585	5005
Shale	5005	5018
Loggers TD	5018	5108

Revised

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 FEB 28 1989

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

*147 300 898
 record 28*

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

Well Operator's Report of Well Work

Farm name: REED, BRADFORD & SARAH Operator Well No.: REED #3

LOCATION: Elevation: 1002.00 Quadrangle: WEST UNION

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

Agent: SAMUEL J. CANN

Inspector: MIKE UNDERWOOD
Permit Issued: 01/10/89
Well work Commenced: 01/17/89
Well work Completed: 01/22/89
Verbal Plugging _____
Permission granted on: _____
Rotary Cable Rig
Total Depth (feet) 5100'
Fresh water depths (ft) 110'

Salt water depths (ft) _____

Is coal being mined in area (Y/N)? No
Coal Depths (ft): N/A

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8 5/8		1031'	280 sks
4 1/2		5068'	150 sks

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OPEN FLOW DATA

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Producing formation Benson Pay zone depth (ft) _____
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Final open flow 581 MCF/d Final open flow _____ Bbl/d
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For: CHESTERFIELD ENERGY CORP.
By: *Samuel J. Cann*
Date: February 6, 1989

Feb
MAR 14 1989
2/14/89

Frac'd: Benson 10,000# 80/100; 60,000# 20/40; 759 BBLs
5011' - 5016' (15 Holes)

Ground Level	0	48
Dirt	48	100
Red Rock & Shale	100	665
Sand	665	808
Red Rock	808	1032
Shale	1032	1767
Sand	1767	1918
Big Lime	1918	1975
Injun	1975	2128
Sand & Shale	2128	2274
Weir	2274	2356
Sand & Shale	2356	2473
Gordon	2473	2494
Sand & Shale	2494	3380
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Shale	3406	4545
Riley	4545	4585
Shale	4585	5005
Benson	5005	5018
Shale	5018	5108
Loggers TD	5108	

see reversed record

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FEB 07 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

copy

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

- 1) Well Operator: Chesterfield Energy Corp. 9530, 3, 670
- 2) Operator's Well Number: Reed No. 3
- 3) Elevation: 1002'
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Benson-Alexander
- 6) Proposed Total Depth: 5500 feet
- 7) Approximate fresh water strata depths: 50' 453'
- 8) Approximate salt water depths: N/A 1243' 1431' 1746'
- 9) Approximate coal seam depths: N/A possible coal seam 629'-634'
- 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'	150 Sks.
Fresh Water	8 5/8"			1000'	1000'	CTS 38 CSR 18-11.3
Coal						38 CSR 18-11.2
Intermediate						
Production	4 1/2"			5500'	5500'	CTS or 38 CSR 13-11.1
Tubing						
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

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JAN 10 1989

For Division of Oil and Gas Use Only
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

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

7002

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JAN 10 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: December 14, 1988
2) Operator's well number
Reed No. 3
3) API Well No: 47 - ~~895~~ - 3692
State - County - Permit
017

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 Bradford & Sarah Reed
Address Box 134
Shirley, WV 26434
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Mike Underwood
Address Route 2, Box 135
Salem, WV 26426
Telephone (304)- 782-1043

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name _____
Address _____
Name _____
Address _____
(c) Coal Lessee with Declaration
Name _____
Address _____

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 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 Corp.
By: [Signature]
Its: Vice President Land and Contracts
Address 203 West Main St.
Clarksburg, WV 26301
Telephone 304-623-5467

Subscribed and sworn before me this 9th day of January, 1989

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