

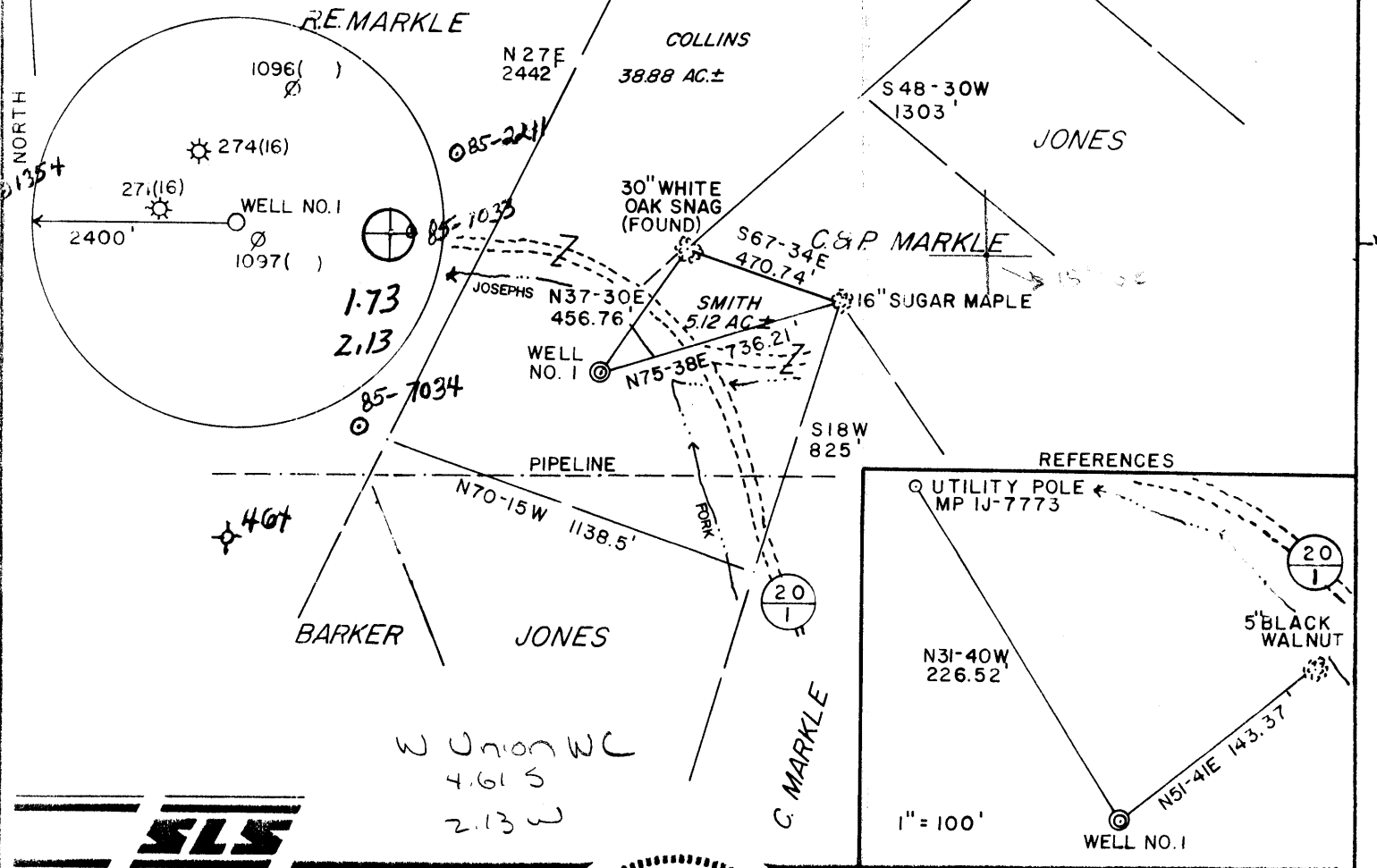
Janie 11/20/89

COLLINS LEASE

WELL NO. 1

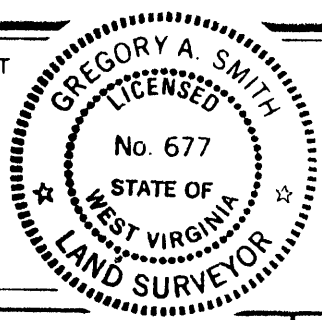
HARPER ET. VIR.

44 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.S.S. 677 Gregory A. Smith



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE OCTOBER 31, 19 89
 OPERATORS WELL NO. COLLINS NO. 1
 API WELL NO. 47 - 095 - 1353
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2173 (30-27)
 PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEV. = 945' 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 942' WATERSHED JOSEPHS FORK A TRIBUTARY OF MCKIM CREEK W. Union WC
 DISTRICT MEADE 4 COUNTY TYLER QUADRANGLE PENNSBORO 7.5

SURFACE OWNER NEAL A. & LILA COLLINS ACREAGE 38.88
 ROYALTY OWNER NEAL A. COLLINS ET. AL. LEASE ACREAGE 44

PROPOSED WORK: LEASE NO. _____
 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 WEST MAIN STREET CLARKSBURG, WV 26301 ADDRESS 203 WEST MAIN STREET CLARKSBURG, WV 26301

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

JAN 16 90

Well Operator's Report of Well Work

Farm name: COLLINS, NEAL & LILA Operator Well No.: COLLINS #1

LOCATION: Elevation: 942.00 Quadrangle: PENNSBORO

District: MEADE County: TYLER
Latitude: 9220 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 11300 Feet West of 80 Deg. 55 Min. 0 Sec.

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

Agent: SAMUEL J. CANN

Inspector: GLEN P. ROBINSON
Permit Issued: 11/22/89
Well work Commenced: 12/2/89
Well work Completed: 12/8/89
Verbal Plugging _____
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5132
Fresh water depths (ft) 48', 1450'

Salt water depths (ft) None

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

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
11 3/4		40'	
8 5/8		1105'	
4 1/2		4902'	200 sks

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) _____
Gas: Initial open flow 15 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 218 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 1050 psig (surface pressure) after 48 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: [Signature]
Date: January 5, 1990

JAN 19 1990

Frac Information

Benson 60,000# 20/40, 10,000# 80/100
980 BBLs Water

Drilling Information

Red Clay	0	25	
Shale	25	340	3/4" water @ 48'
Sand	340	360	
Shale	360	382	
Sand	382	386	Hole Damp @ 1450'
Sand & Shale	386	591	
Sand	591	694	
Sand & Shale	694	1389	
Sand	1389	1797	
Big Lime	1797	1880	
Injun	1880	1994	
Shale	1994	2234	
Weir	2234	2325	
Sand & Shle	2325	2788	
Gordon	2788	2802	
Sand & SHale	2802	3340	
Balltown	3340	3400	
Shale	3400	4808	
Benson	4808	4818	
Shale	4818	5132	Gas Ck @ TD 8/10-1/2" w/w
TD	5132		

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

Issued 11/22/89
Expires 11/22/91

- 1) Well Operator: CHESTERFIELD ENERGY CORPORATION ¹⁶³ 9550 (4) 538
- 2) Operator's Well Number: COLLINS WELL NO. 1 3) Elevation: 942'
- 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: 40', 204', 139', 114'
- 8) Approximate salt water depths: 1234', N/A, 1459', 1427'
- 9) Approximate coal seam depths: Possible coal seams 424' - 712' 699'
N/A No more than one ft seam if any
- 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"			30'	0'	0 Sacks
Fresh Water	8-5/8"			1100'	1100'	CTS by 38 CSR 18-11.3
Coal						
Intermediate						
Production	4-1/2"			5000'	5000'	CTS or by 38 CSR 18-11.1
Tubing						
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

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NOV 17 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 Blanket One Agent
(Type)

5446
28

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NOV 17 1989

Page 1 of 7
Form WW2-A
(09/87)
File Copy

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: November 4th, 1989
2) Operator's well number
COLLINS WELL NO. 1
3) API Well No: 47 - 095 - 1353
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 Neal A. & Lila Collins
Address Rt. 1, Box 1A
Pennsboro, WV 26415

(b) Name _____
Address _____

(c) Name _____
Address _____

5) (a) Coal Operator:
Name _____
Address _____

(b) Coal Owner(s) with Declaration
Name _____
Address _____

(c) Coal Lessee with Declaration
Name _____
Address _____

6) Inspector Glen P. Robinson
Address Rt. 1, #6 Mt. Pleasant Est.
Mineralwells, WV 26150
Telephone (304)- 489 - 2736

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: [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 November, 19 89
[Signature] Notary Public
My commission expires June 14, 1994