

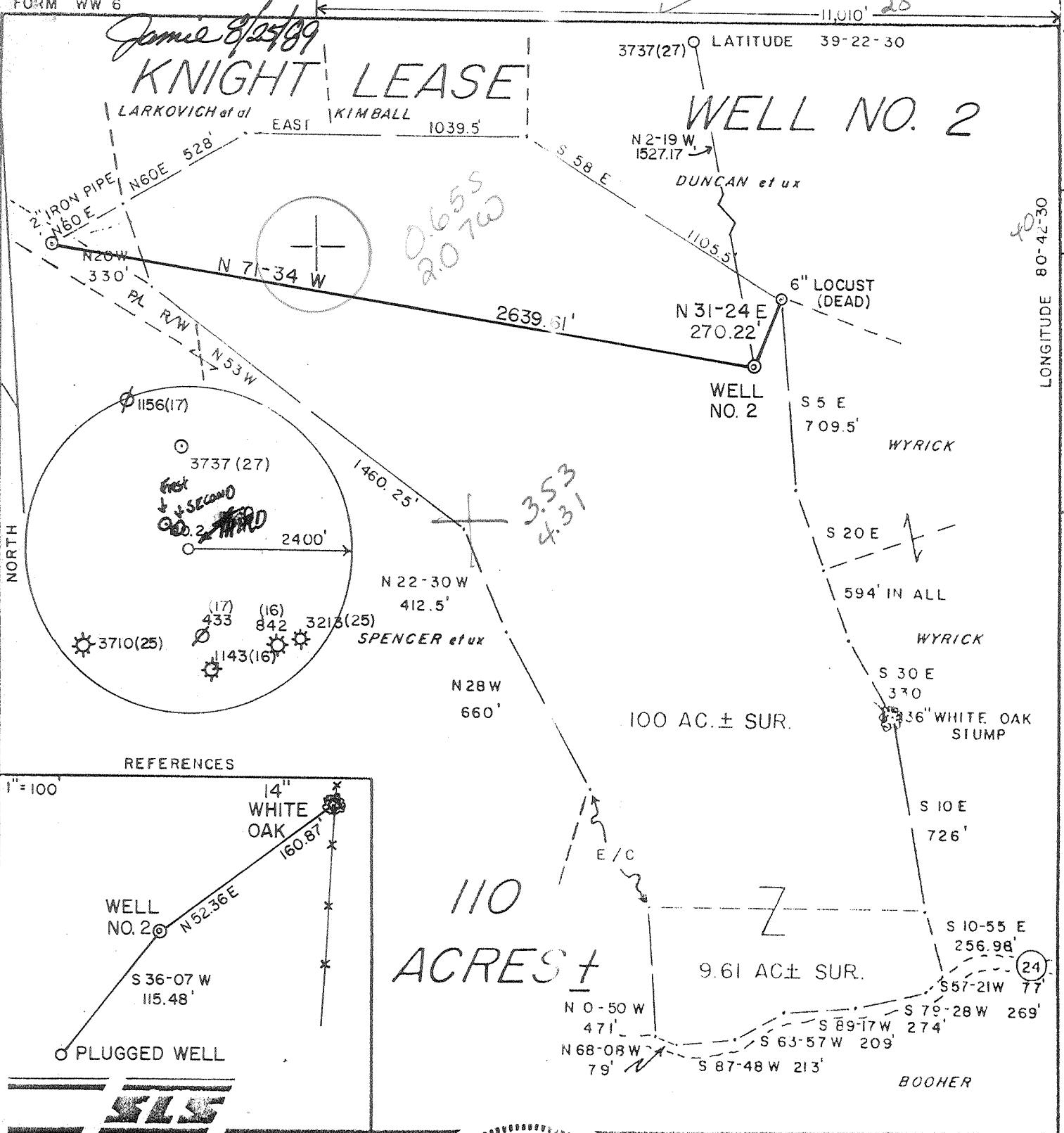
*Jamie 8/25/89*

# KNIGHT LEASE

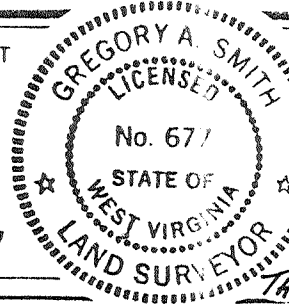
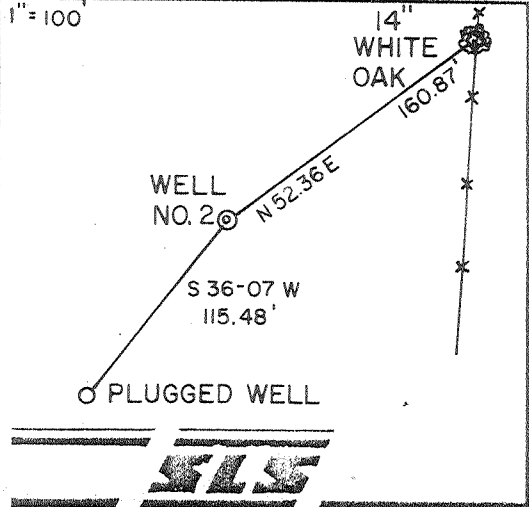
LARKOVICH et al EAST KIMBALL 1039.5'

3737(27) LATITUDE 39-22-30

## WELL NO. 2



### REFERENCES



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 AUGUST 2, 19 89

OPERATORS WELL NO. KNIGHT NO. 2

API WELL NO. 47-017-3706

STATE WEST VIRGINIA COUNTY SMITH PERMIT 110

*Second Revision*

*THIS WHERE THE WELL FINALLY WAS LOCATED*

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 1995 (26-44,45)

PROVEN SOURCE OF ELEVATION TOP OF KNOB SCALE 1"=500' ELEV. 1284'

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 1203' WATERSHED LITTLE FLINT RUN Centerpoint WC

DISTRICT GRANT 3 COUNTY DODDRIDGE QUADRANGLE SMITHBURG 7.5'

SURFACE OWNER HARRY H. KAYE et. ux ACREAGE 100 611

ROYALTY OWNER HARRY H. KAYE et. ux LEASE ACREAGE 110 0224

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 ALEXANDER

ESTIMATED DEPTH 5775'

WELL OPERATOR CHESTERFIELD ENERGY CORP DESIGNATED AGENT SAMUEL J. CANN

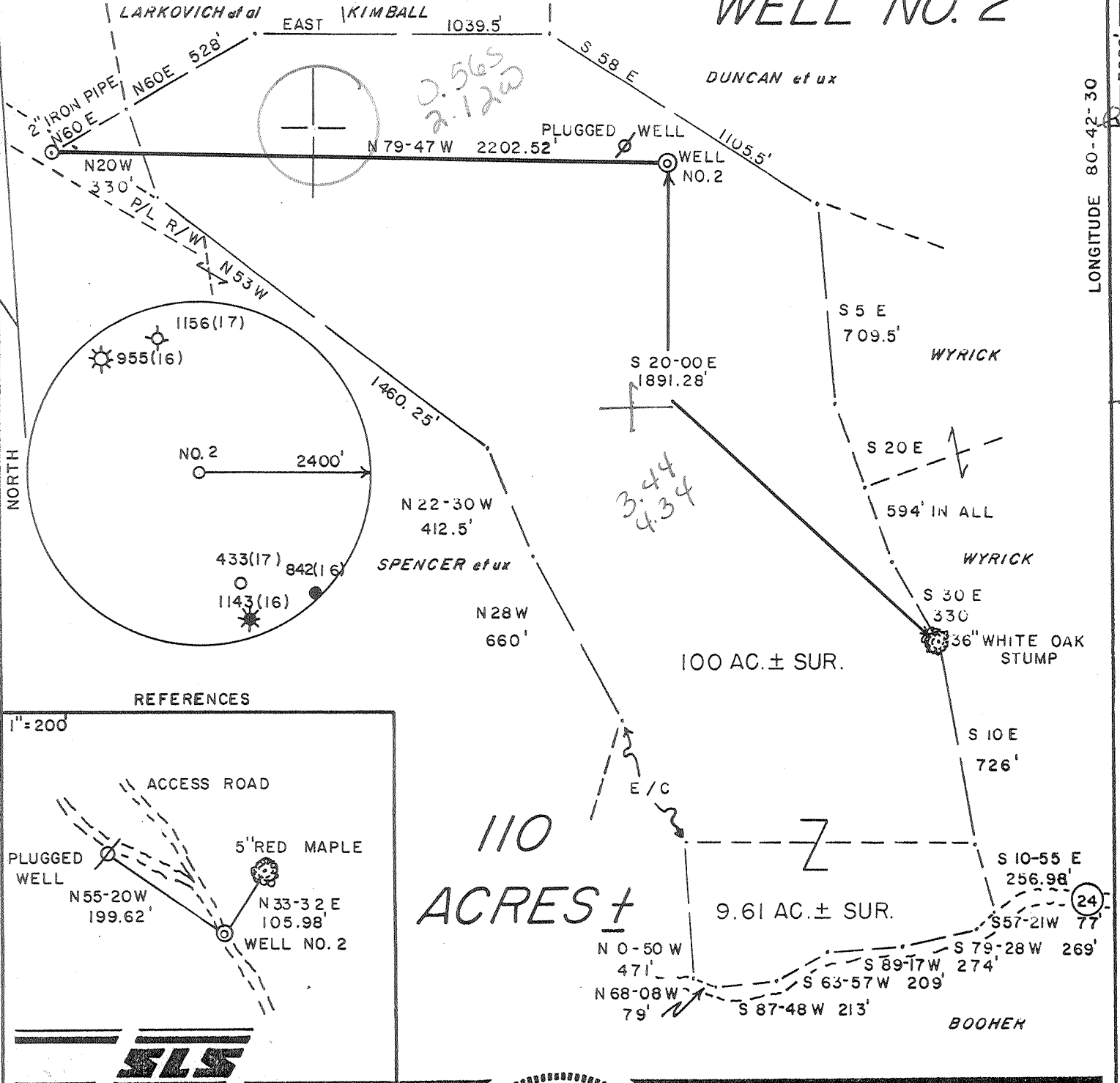
ADDRESS 203 W. MAIN ST. CLARKSBURG, WV 26301 ADDRESS 203 W. MAIN ST. CLARKSBURG, WV 26301



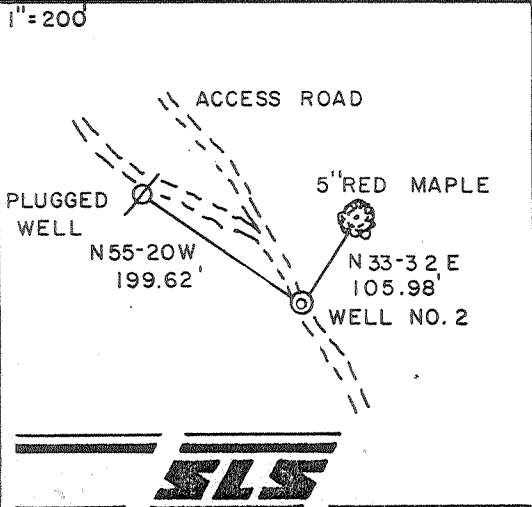
Jamie 3/24/89

# KNIGHT LEASE

## WELL NO. 2

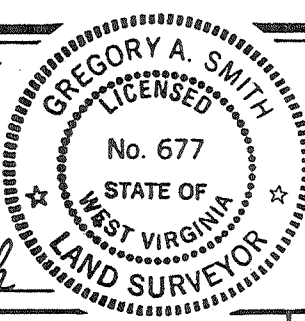


### REFERENCES



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 FEBRUARY 3, 19 89  
 OPERATORS WELL NO. KNIGHT NO. 2  
 API WELL NO. 47 - 017 - 3706  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 1995 (26-44,45)  
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. 1284' 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 1225' WATERSHED LITTLE FLINT RUN

DISTRICT GRANT 3 COUNTY DODDRIDGE QUADRANGLE SMITHBURG 7.5' 611

SURFACE OWNER HARRY H. KAYE et. ux ACREAGE 100 022

ROYALTY OWNER HARRY H. KAYE et. ux LEASE ACREAGE 110 4

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 ALEXANDER  
 ESTIMATED DEPTH 5725'

WELL OPERATOR CHESTERFIELD ENERGY CORP DESIGNATED AGENT SAMUEL J. CANN MAR 24 1989  
 ADDRESS 203 W. MAIN ST. CLARKSBURG, WV 26301 ADDRESS 203 W. MAIN ST. CLARKSBURG, WV 26301

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

NOV 06 89

Well Operator's Report of Well Work

Farm name: KAYE, HARRY M. Operator Well No.: KNIGHT 2

LOCATION: Elevation: <sup>1203</sup> 1225.00 Quadrangle: SMITHBURG

District: GRANT County: DODDRIDGE  
Latitude: 3020 Feet South of 39 Deg. 22Min. 30 Sec.  
Longitude 11280 Feet West of 80 Deg. 42 Min. 30 Sec.

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

Agent: SAMUEL J. CANN

Inspector: MIKE UNDERWOOD  
Permit Issued: 03/24/89  
Well work Commenced: 10/10/89  
Well work Completed: 10/17/89  
Verbal Plugging \_\_\_\_\_  
Permission granted on: \_\_\_\_\_  
Rotary XX Cable Rig  
Total Depth (feet) 5419  
Fresh water depths (ft) None  
Salt water depths (ft) None

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	32'		pulled
8 5/8	1389'	1389'	300 sks
4 1/2		5370	140 sks

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

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 5260-5270  
Gas: Initial open flow -0- MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 411 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests 24 Hours  
Static rock Pressure 1480 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: October 31, 1989

NOV 09 1989

Frac Information

60,000# 20/40 sand  
10,000# 80/100 sand  
829 BBLs water

Drilling Information

Sand	0	10
Sand	10	120
Sand & Shale	120	984
Sand & Shale	984	1400
Shale	1400	1622
Sand & Shale	1622	2180
Big Lime	2180	2242
Injun	2242	2396
Shale	2396	2534
Weir	2534	2610
Shale	2610	2734
Berea	2734	2755
Shale	2755	2960
Gordon	2960	2994
Sand & Shale	2994	3932
Shale	3932	4610
Riley	4610	4646
Shale	4646	5260
Benson	5260	5270
Shale	5270	5419
TD	5419	

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

- 1) Well Operator: Chesterfield Energy Corporation 9550 3 610
- 2) Operator's Well Number: Knight Well No. 2 3) Elevation: 1225'
- 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: 5725' feet
- 7) Approximate fresh water strata depths: 55', 518', 640', 605'
- 8) Approximate salt water depths: 1334' N/A
- 9) Approximate coal seam depths: N/A 937'-942'
- 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"			16'	0'	0 Sks.
Fresh Water	9 5/8"			1425'	1425'	CLS 38 CSR 13-11.3
Coal						
Intermediate						
Production	4 1/2"			5725'	5725'	BY Rule 33 CSR 13-11.1
Tubing						
Liners						

PACKERS : Kind \_\_\_\_\_  
 Sizes \_\_\_\_\_  
 Depths set \_\_\_\_\_

For Division of Oil and Gas Use Only

Fee(s) paid: Plat WW-9 WW-2B Bond Blanket WPCP Agent

RECEIVED  
MAR 23 1989

Page 1 of 8  
Form WW2-A  
(09/87)  
File Copy

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

Date: March 20, 1989  
Operator's well number  
Knight Well No. 2  
API Well No: 47 - 017 - 3706  
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 Harry M. Kaye  
Address P.O. Box 151  
Woodbine, MD 21797  
(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 \_\_\_\_\_

6) Inspector Mike Underwood  
Address Rt. 2, Box 135  
Salem, WV 26426  
Telephone (304)-782-1043

(c) Coal Lessee with Declaration  
Name N/A  
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  
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 8 on the above named parties, by:

- XX 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: VP & Chief of Operations  
Address 208 West Main Street  
Clarksburg, WV 26301  
Telephone 623 - 5467

Subscribed and sworn before me this 22nd day of March, 1989.

[Signature]  
My commission expires July 2, 1994 Notary Public