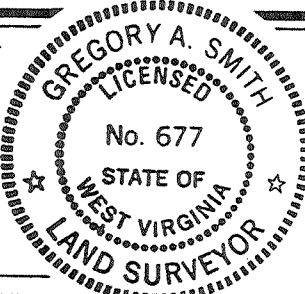
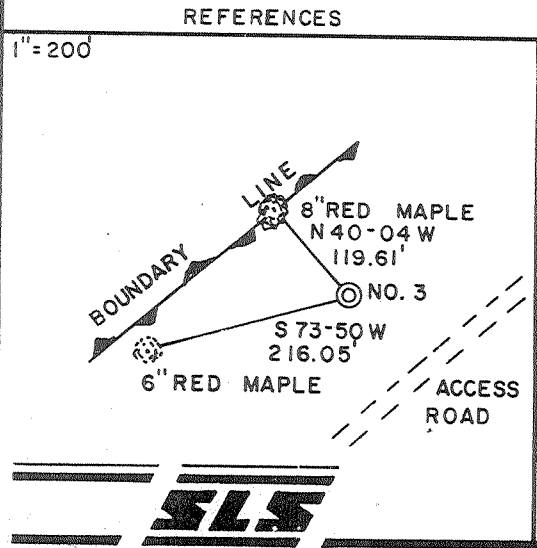
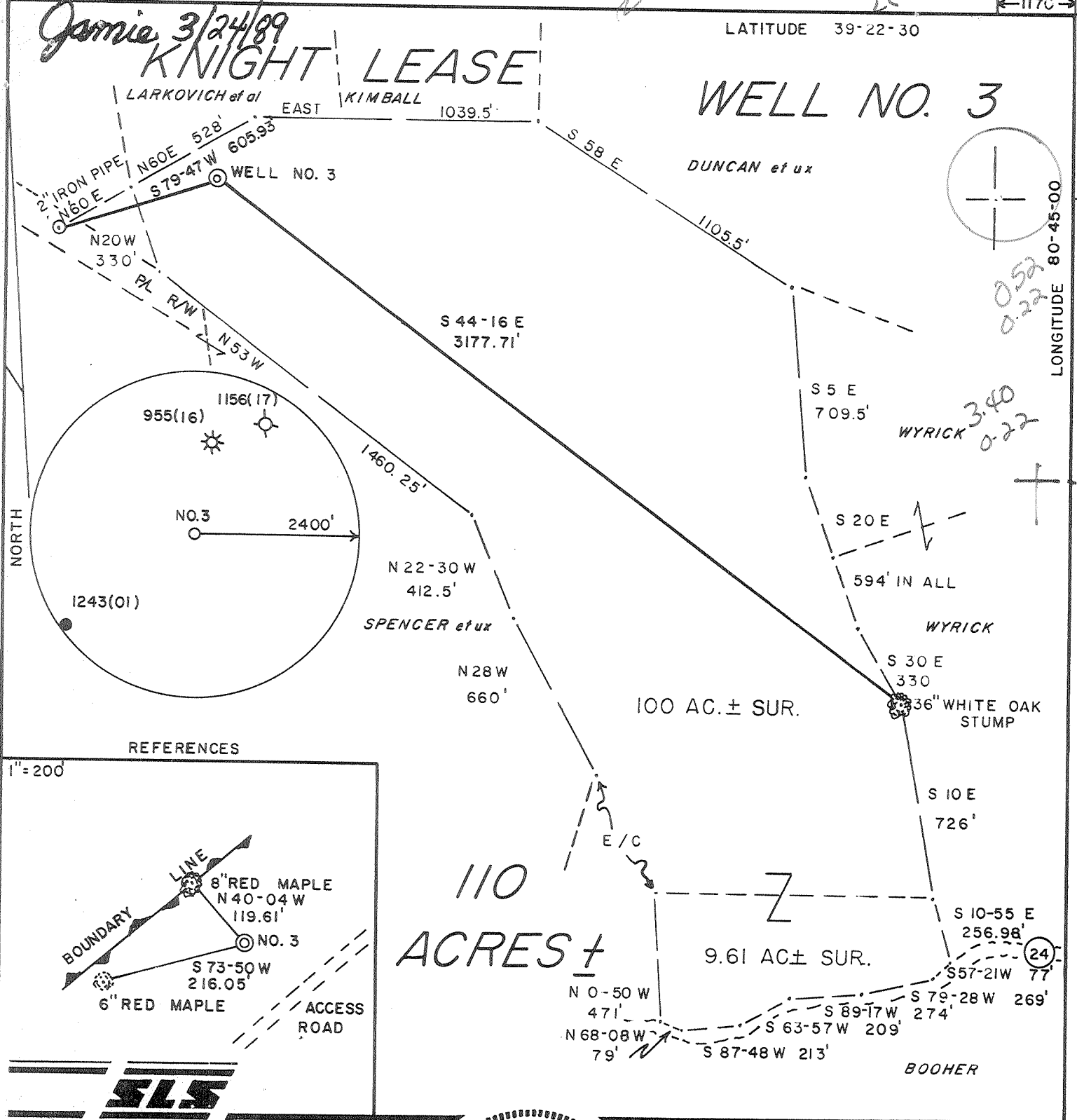


*Jamie 3/24/89*  
**KNIGHT LEASE**

**WELL NO. 3**



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. 3


API WELL NO. 47 - 017 - 3707

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 1273' WATERSHED LITTLE FLINT RUN DISTRICT GRANT 3 COUNTY DODDRIDGE QUADRANGLE WEST UNION 7.5'

SURFACE OWNER HARRY H. KAYE et. ux ACREAGE 100

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

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

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

Well Operator's Report of Well Work

Farm name: KAYE, HARRY M. Operator Well No.: KNIGHT ~~XX~~ #1

LOCATION: Elevation: 1273.00 Quadrangle: SMITHBURG

District: GRANT County: DODDRIDGE  
Latitude: 2780 Feet South of 39 Deg. 22Min. 30 Sec.  
Longitude 1170 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: 03/24/89  
Well work Commenced: 8/02/89  
Well work Completed: 8/08/89

Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig  
Total Depth (feet) 5496'  
Fresh water depths (ft) -0-  
Salt water depths (ft) -0-

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

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
11"	42'		pulled
8 5/8		1460'	375 sks
4 1/2		5341'	140 sks

**RECEIVED**  
AUG 25 1989

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 5300-5310'  
 Gas: Initial open flow odor MCF/d Oil: Initial open flow -0- Bbl/d  
 Final open flow 444 MCF/d Final open flow -0- Bbl/d  
 Time of open flow between initial and final tests 4 Hours  
 Static rock Pressure 1490 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: [Signature]  
Date: August 24, 1989

SEP 1 1989

REPRODUCTION OF THIS DOCUMENT IS PROHIBITED

Frac Information:

Benson 5303-5308  
17 Holes  
10,000# 80/100; 60,000# 20/40  
775 BBLs Water

Drilling Information:

Shale	0	10	
Sand	10	530	
Sand & Shale	530	916	
Sand	916	2218	
Big Lime	2218	2290	
Injun	2290	2420	Gas Ck @ 2398' 2/10-1/2"w/w
Shale	2420	2558	Gas Ck @ 2960' 2/10-2" w/w
Weir	2558	2640	Gas Ck @ 4750' Odor
Shale	2640	2757	
Berea	2757	2780	
Shale	2780	2985	
Gordon	2985	3012	
Sand & Shale	3012	3940	
Shale	3940	4835	
Riley	4835	4878	
Shale	4878	5300	
Benson	5300	5310	
Shale	5310	5496	
TD	5496		

SEP 1 1989

017-3707

Issued 3/24/89 Expires 3/24/91

FORM WW-2B

Page 3 of 9

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. 3 3) Elevation: 1273'
- 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: 5775 feet
- 7) Approximate fresh water strata depths: 431' 433' 55' 326'
- 8) Approximate salt water depths: 1590' 1930' N/A 771'-774' coal.
- 9) Approximate coal seam depths: 671'-675' N/A 909'-911'
- 10) Does land contain coal seams tributary to active mine? Yes  / No  /
- 11) Proposed Well Work: Drill & Stimulate
- 12)

CASING AND TUBING PROGRAM

1273'

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'	38 CSR 18-11.2
Fresh Water	9 5/8"			1475'	1475'	CIS 38 CSR 18-11.3
Coal						1475' is the MAX ok
Intermediate						
Production	4 1/2"			5775'	5775'	By Rule 38 CSR 18-11.1
Tubing						
Liners						

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

For Division of Oil and Gas Use Only

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

0437

1) Date: March 20, 1989  
2) Operator's well number  
Knight Well No. 3  
3) API Well No: 47 - 017 - 3707  
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>Harry M. Kaye</u> Address <u>P.O. Box 151</u> <u>Woodbine, MD 21797</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 <u>(304)-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 9 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 203 West Main Street  
623 - 5467  
 Telephone \_\_\_\_\_

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

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