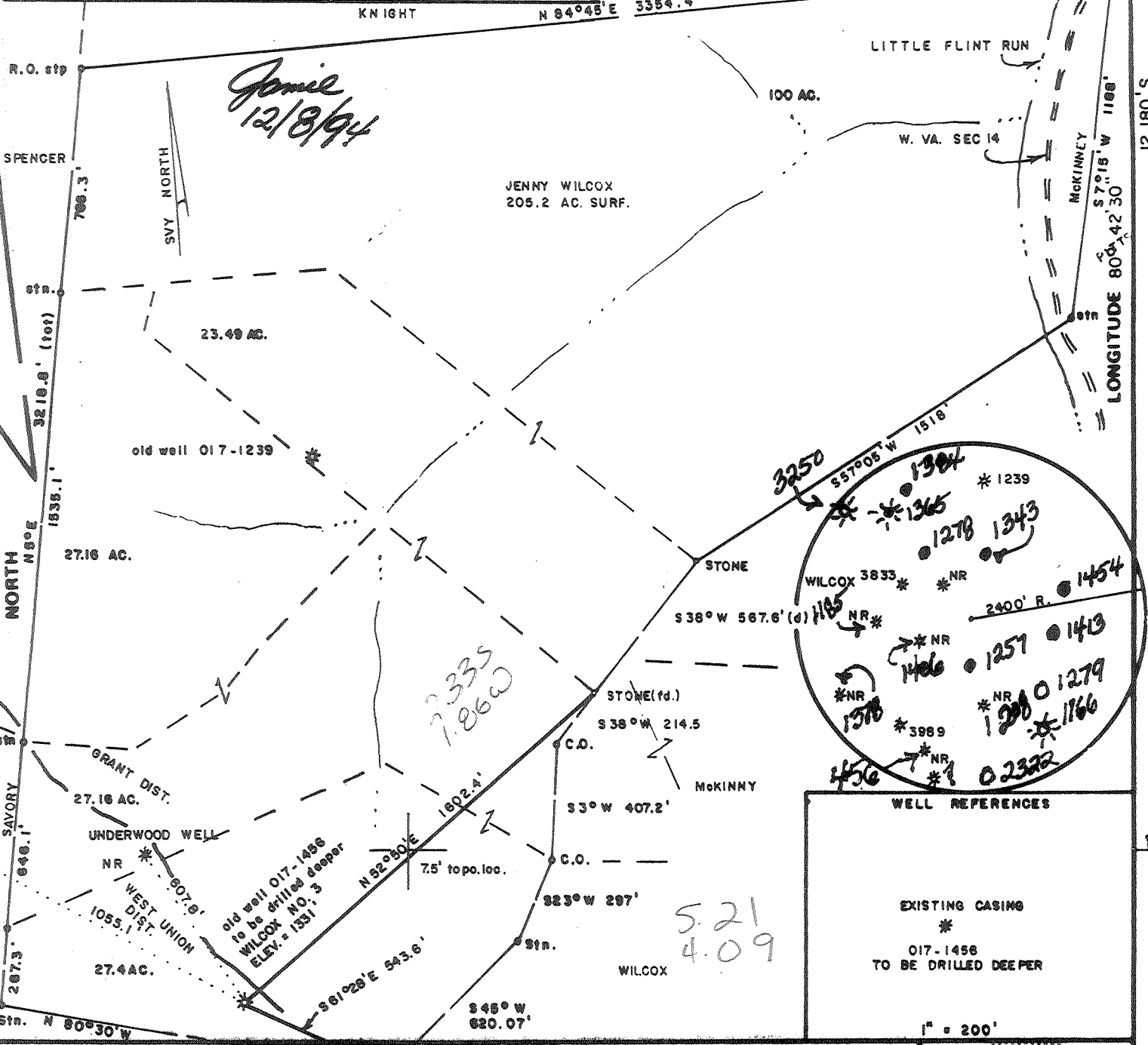


# WILCOX LEASE 205.2 AC. of 240 AC. ±

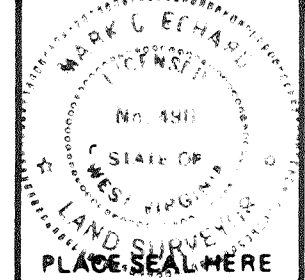
LATITUDE 39°22'30"



WELL REFERENCES	
EXISTING CASING	*
017-1456	TO BE DRILLED DEEPER

FILE NO. COX 1381.7  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION TOP OF KNOB (McIntyre)  
 SOUTH SIDE LEASE ELEV = 1426

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 MINES.  
 (SIGNED) Mark C. Echard  
 MARK C. ECHARD  
 R.P.E. \_\_\_\_\_ L.L.S. 490



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)



DATE NOVEMBER 18, 19 94  
 OPERATOR'S WELL NO. WILCOX NO. 3  
 API WELL NO. 47 - 017 - 1456 D  
 STATE WEST VIRGINIA COUNTY DODDRIDGE PERMIT \_\_\_\_\_

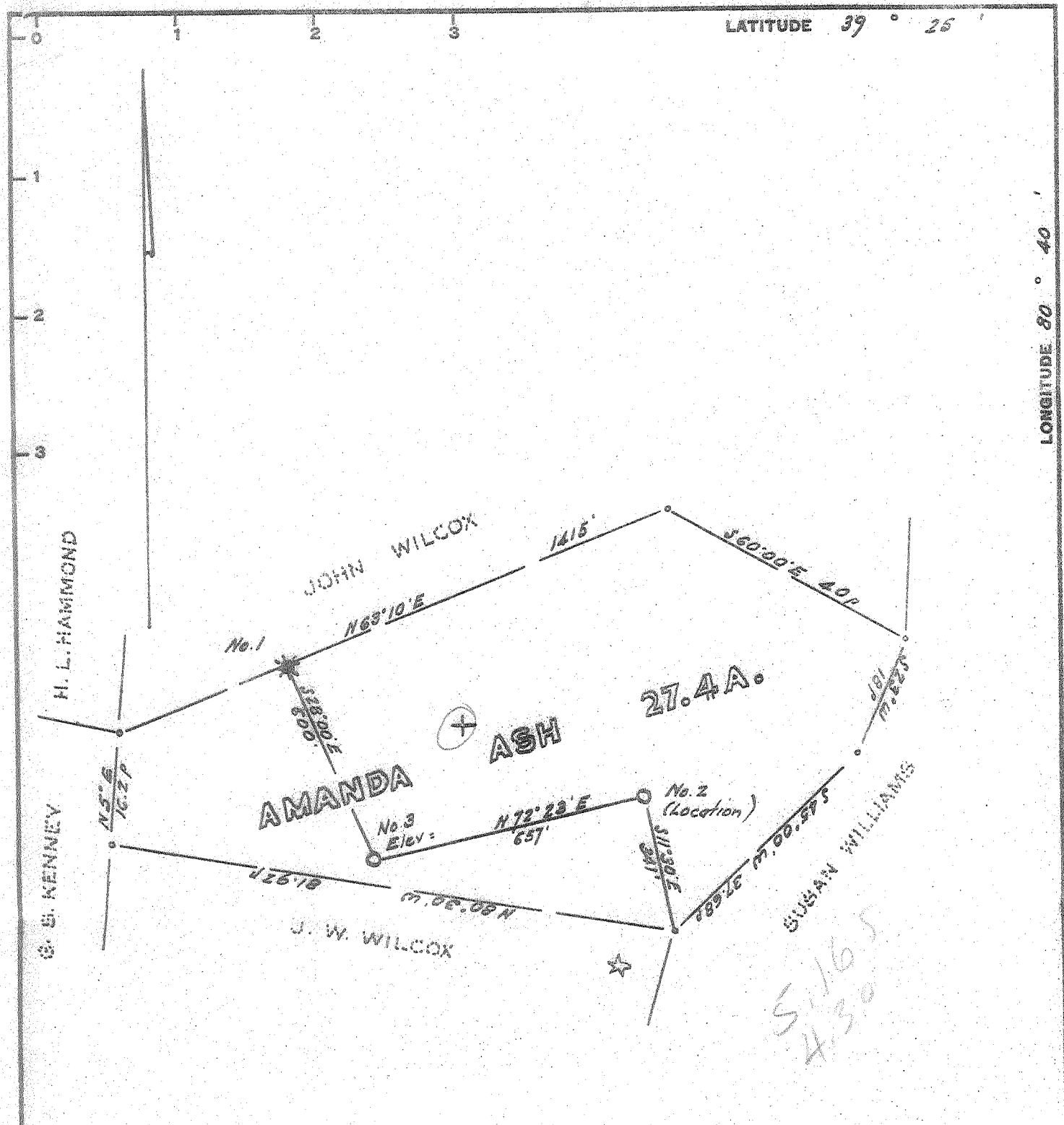
**STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION**

*Drill deeper.*

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
 LOCATION: ELEVATION 1331 WATER SHED LITTLE FLINT RUN  
 DISTRICT WEST UNION COUNTY DODDRIDGE  
 QUADRANGLE SMITHBURG 7.5' Centerport WC  
 SURFACE OWNER JENNY WILCOX ACREAGE 205.2 of 240  
 OIL & GAS ROYALTY OWNER M. J. FOSTER, HRS. LEASE ACREAGE 240  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL  CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION ~~XX~~ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION BENSON - RILEY ESTIMATED DEPTH 5500'  
 WELL OPERATOR CHESTERFIELD ENERGY CO. DESIGNATED AGENT SAMUEL J. CANN  
 ADDRESS 203 W. MAIN STREET 163 ADDRESS 203 W. MAIN ST. CLARKSBURG, WV 26301

LONGITUDE 80 ° 40



Minimum Error of Closure 1" in 200  
 Source of Elevation Elev. No. 2 : 1244

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: *W. H. B. J.*  
 Squares: N S E W

Map No. \_\_\_\_\_

Company FERRELL L. PRIOR  
 Address 274 Washington Bld., Balpara, Ohio  
 Farm Amanda Ash  
 Tract \_\_\_\_\_ Acres 27.4 Lease No. \_\_\_\_\_  
 Well (Farm) No. Three Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1327  
 Quadrangle Centerpoint WC  
 County Doddridge District Grant  
 Engineer *W. H. B. J.*  
 Engineer's Registration No. 1227  
 File No. 77-A-65 Drawing No. \_\_\_\_\_  
 Date April 16, 1967 Scale 1" = 200' = 330'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

**WELL LOCATION MAP**

FILE NO. DOD-1456

- + Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
- Denotes one inch spaces on border line of original tracing.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle Centerpoint

**WELL RECORD**

Permit No. DOD-1456

Oil or Gas Well Oil & Gas  
(KIND)

Company Ferrell L. Prior  
Address 224 Washington Blvd., Belpre, Ohio  
Farm Amanda Ash Acres 27.4

Location (waters) \_\_\_\_\_  
Well No. Three Elev. 1327  
District Grant County Doddridge

The surface of tract is owned in fee by Bessie Wheeler, et al  
Address Finleyville, Pa.

Mineral rights are owned by Bessie Wheeler, et al  
Address Finleyville, Pa.

Drilling commenced June 3, 1967  
Drilling completed July 18, 1967

Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_

Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch

Volume \_\_\_\_\_ Cu. Ft.

Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.

Oil \_\_\_\_\_ bbls., 1st 24 hrs.

WELL ACIDIZED 500 Gal. 15%

WELL FRACTURED 662 Barrels

RESULT AFTER TREATMENT 40 Barrels

ROCK PRESSURE AFTER TREATMENT 575 Lbs.

Fresh Water \_\_\_\_\_ Feet Salt Water \_\_\_\_\_ Feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
<del>13</del>			Kind of Packer
10 - 3/4	307		Size of
8 1/2 - 5/8	1453	1453'	Depth set
<del>6 1/2</del>			
<del>7 1/2</del>	2269		Perf. top <u>2342</u>
<del>4 1/2</del>		2412.57	Perf. bottom <u>2346</u>
2			Perf. top _____
Liners Used			Perf. bottom _____

CASING CEMENTED 4 1/2 SIZE 2412.57 No. Ft. 7-19-67 Date

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			5	10			
Sand			10	16			
R. Rock			16	30			
Sand			30	39			
R. Rock			39	55			
Slate & Lime			55	85			
R. Rock			85	105			
Sand			105	140			
R. Rock			140	164			
Slate & Lime			164	170			
R. Rock			170	180			
Lime & Slate			180	228			
Sand			228	248			
R. Rock			248	265			
White Slate			265	280			
R. Rock			280	303			
Sand			303	340			
Slate			340	355			
R. Rock			355	412			
Gritty Lime			412	449			
R. Rock			449	468			
Slate & Lime			468	569			
R. Rock & Lime			569	638			
Sand			638	660			
Slate & Lime			660	690			
R. Rock			690	712			
Slate			712	735			
Lime			735	768			
R. Rock			768	785			



(over)

Formation	Color	Hard or Soft	Top <sup>3</sup>	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime			785	838			
R. Rock			838	850			
Slate Shells			850	954			
Lime		Hard	954	1005			
Slate			1005	1045			
Sand			1045	1064			
Slate & Lime			1064	1090			
Red Rock			1090	1130			
Slate Shells			1130	1144			
Red Rock			1144	1165			
Sand			1165	1177			
Slate & Lime			1177	1208			
R. Rock			1208	1254			
Slate Shells			1254	1285			
Sand			1285	1324			
Red Rock			1324	1336			
Lime			1336	1344			
Slate & Lime			1344	1514			
Sand			1514	1530			
Slate & Lime			1530	1596			
Sand			1596	1620			
Slate & Shells			1620	1690			
Sand			1690	1706			
Sand			1706	1728			
Slate & Lime			1728	1914			
Slate & Lime			1914	1968			
Sand			1968	2093			
Lime			2093	2160			
Sand			2160	2186			
Lime & Slate			2186	2216			
Lime			2216	2240			
Slate			2240	2245			
Sand			2245	2296			
Big Lime			2296	2320			
Injun Sand			2320	2372	Show oil		
Shale			2372	2384			
Squaw Sand			2384	2418			

Date August 31, 1967

APPROVED *Frank L. Dior*, Owner

By \_\_\_\_\_ (Title)

State of West Virginia  
 Division of Environmental Protection  
 Section of Oil and Gas

JUN 21 1995

Permitting  
 Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: WILCOX, VIRGINIA

Operator Well No.: WILCOX 3-D

LOCATION: Elevation: 1,331.00 Quadrangle: SMITHBURG

District: WEST UNION County: DODDRIDGE  
 Latitude: 12180 Feet South of 39 Deg. 22Min. 30 Sec.  
 Longitude 9920 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: 12/07/94  
 Well work Commenced: 12/9/94  
 Well work Completed: 12/20/94  
 Verbal Plugging \_\_\_\_\_  
 Permission granted on: \_\_\_\_\_  
 Rotary X Cable \_\_\_\_\_ Rig  
 Total Depth (feet) 5490  
 Fresh water depths (ft) n/a  
 \_\_\_\_\_  
 Salt water depths (ft) n/a  
 \_\_\_\_\_

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
4-1/2	existing	2425	existing
2-7/8	5449	5449	95 sks

Is coal being mined in area (Y/N)? N  
 Coal Depths (ft): n/a

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) \_\_\_\_\_  
 Gas: Initial open flow smell MCF/d Oil: Initial open flow 0 Bbl/d  
 Final open flow 135 MCF/d Final open flow 0 Bbl/d  
 Time of open flow between initial and final tests 24 Hours  
 Static rock Pressure 850 psig (surface pressure) after 48 Hours

Second producing formation ---- Pay zone depth (ft) ----  
 Gas: Initial open flow n/a MCF/d Oil: Initial open flow n/a Bbl/d  
 Final open flow n/a MCF/d Final open flow n/a Bbl/d  
 Time of open flow between initial and final tests n/a Hours  
 Static rock Pressure n/a psig (surface pressure) after n/a 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.

Samuel J. Cann  
 For: CHESTERFIELD ENERGY CORP.

By: Samuel J. Cann  
 Date: March 13, 1995

JUN 23 1995

Stage	Formation	Perfs	Sand	Acid
1st	Benson	5366-5370 14 holes	68sks 279 bbls dirty fluid	500gal

### Drillers Log

Formation	Top	Bottom
existing casing see original record	0	2429
sd/sh	2429	2940
sd	2940	2970
sh	2970	3790
sd	3790	3850
sh	3850	5377
sd	5377	5389
sh	5389	5490

### Electric Log Tops

Formation	Depth top
Gordon	3078
Benson	5366

gas ck @ 5383 2/10 -1" ww  
 gas ck @ 5428 4/10 - 1' ww  
 gas ck @ td 4/10 -1" ww

017-1456-DD  
Issued 12/07/94

FORM WW-2B DEC 06 1994

Page      of     

Permitting Office of Oil & Gas  
STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

Expires 12/07/96

20082

- Well Operator: CHESTERFIELD ENERGY CORPORATION <sup>163</sup> 9550 (8) 611
- Operator's Well Number: WILCOX 3D 3) Elevation: 1,331'
- Well type: (a) Oil X/ or Gas X/  
(b) If Gas: Production X/ Underground Storage     /  
Deep     / Shallow X/
- Proposed Target Formation(s): BENSON RILEY <sup>435</sup>
- Proposed Total Depth: 5500' feet
- Approximate fresh water strata depths:
- Approximate salt water depths:
- Approximate coal seam depths:
- Does land contain coal seams tributary to active mine? Yes     / No X/
- Proposed Well Work: Drill deeper existing well, stimulate & perforate new formation

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	14"				30'	existing in well
Fresh Water						
Coal						
Intermediate	8-5/8"				1453ft	
Production	4-1/2"				2,412	cemented
Tubing	2-7/8"	upset tubing		5,350'	5,350'	38CSR18-11.1
Liners						

PACKERS : Kind       
Sizes       
Depths set     

For Division of Oil and Gas Use Only

1061 / 38

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

Plat  WW-9  WW-2B  Bond      CD      Agent       
(Type)

RECEIVED

WV Division of Environmental Protection

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

DEC 06 1994

Permitting  
Office of Oil & Gas

- 1) Date: November 30, 1994
- 2) Operator's well number  
Wilcox No. 3D
- 3) API Well No: 47 - 017 - 1456-DD  
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 Virginia Wilcox  
Address R.D. 1, Box 13A  
New Cumberland, WV 26047
  - (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 Mike Underwood  
Address Rte 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

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 \_\_\_\_\_ 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]  
 Title: Executive Vice President  
 Address 203 West Main Street  
Clarksburg, WV 26301  
 Telephone 304-623-5467



OFFICIAL SEAL  
 Notary Public, State of West Virginia  
**BETTY FLETCHER**  
 P.O. Box 11  
 Alma, WV 26320  
 My commission expires February 13, 2001

Subscribed and sworn before me this 2nd day of December, 1994

Betty Fletcher Notary Public  
My commission expires 2/13/2001