

3244 (25)

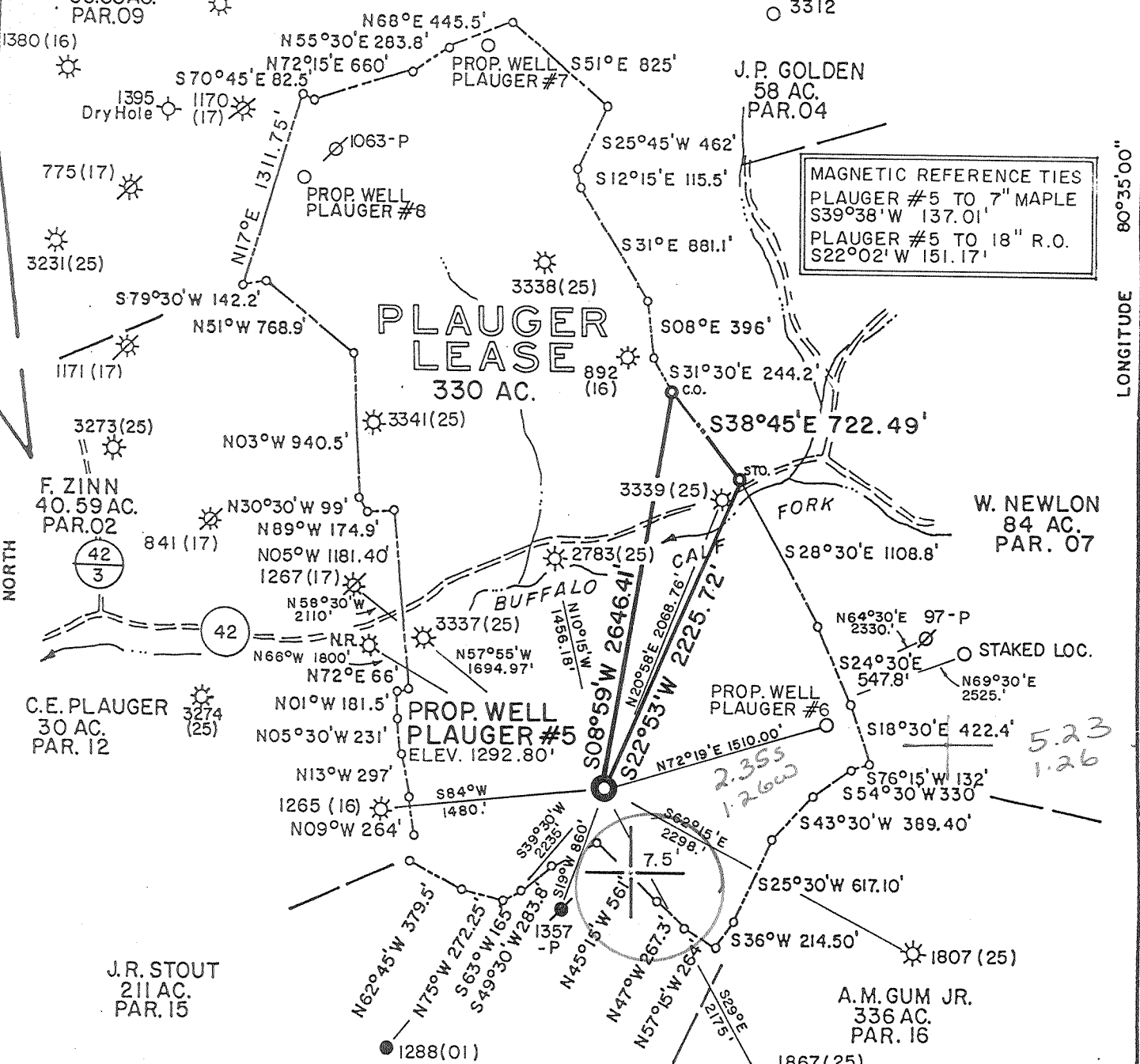
6,650'

Jamie 10/27/88
N.M. WELCH 1336 (16)
56.33 AC.
PAR. 09

1745 (16)

22-F (17)

LATITUDE 39°17'30"



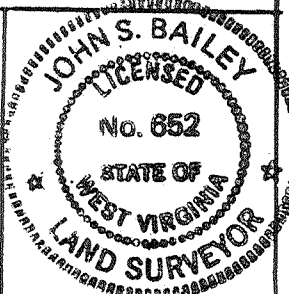
MAGNETIC REFERENCE TIES
 PLAUGER #5 TO 7" MAPLE
 S39°38'W 137.01'
 PLAUGER #5 TO 18" R.O.
 S22°02'W 151.17'

LONGITUDE 80°35'00"

12,480'

FILE NO. MSES 85-636
 DRAWN BY RVS, SARC
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION EL. 911' RD. JCT. 4100' W OF LOCATION

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 MINES.
 (SIGNED) *John S. Bailey*
 R. P. E. _____ L. S. 652



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



Department of Mines
 Oil & Gas Division

DATE APRIL 16, 19 85
 OPERATOR'S WELL NO. PLAUGER NO. 5
 API WELL NO. 47-017-3674
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS", PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X)
 LOCATION: ELEVATION 1292.80' WATER SHED BUFFALO CALF FORK
 DISTRICT GREENBRIER COUNTY DODDRIDGE
 QUADRANGLE SALEM 7.5' (1976) 596 022 508 Centerpoint
 SURFACE OWNER C.E. PLAUGER ACREAGE 310.8
 OIL & GAS ROYALTY OWNER C.E. PLAUGER LEASE ACREAGE 330
 LEASE NO. _____
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5900'
 WELL OPERATOR CHESTERFIELD ENERGY CORP. DESIGNATED AGENT STANLEY N. PICKENS
 ADDRESS 319-320 PROFESSIONAL BLDG. CLARKSBURG, W.V. 26301 ADDRESS 319-320 PROFESSIONAL BLDG. CLARKSBURG, W.V. 26301

OCT 28 1988



IV-35
(Rev 8-81)

Date January 9, 1989
Operator's
Well No. Plauger #5 Well
Farm _____
API No. 47 - 017 - 3674

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State of West Virginia
Department of Mines
Oil and Gas Division

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production ___ / Underground Storage ___ / Deep ___ / Shallow X /)

LOCATION: Elevation: 1292.80' Watershed Buffalo Calf Fork
District: Greenbrier County Doddridge Quadrangle Salem 7.5'

COMPANY Chesterfield Energy Corporation
ADDRESS 203 West Main St., Clarksburg, WV 26301
DESIGNATED AGENT Samuel J. Cann
ADDRESS 203 West Main St., Clarksburg, WV 26301
SURFACE OWNER Haymond R. Plauger
ADDRESS Patterson St., Salem, WV 26426
MINERAL RIGHTS OWNER C. E. Plauger
ADDRESS Rt. #2, Box 245, Salem, WV 26246
OIL AND GAS INSPECTOR FOR THIS WORK Mike Underwood
ADDRESS Rt. #2, Box 114, Salem, WV 26426
PERMIT ISSUED October 28, 1988
DRILLING COMMENCED November 9, 1988
DRILLING COMPLETED November 24, 1988
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON _____

Casing & Tubing	Used in Drilling	Left in Well	Content fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8		943'	270 sks
7			
5 1/2			
4 1/2		5744'	80 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander Depth _____ feet
Depth of completed well 5808 feet Rotary XX / Cable Tools _____
Water strata depth: Fresh 74', 810' feet; Salt _____ feet
Coal seam depths: None Is coal being mined in the area? _____

OPEN FLOW DATA
Producing formation Benson Pay zone depth 5310'-5320' feet
Gas: Initial open flow 14.9 Mcf/d Oil: Initial open flow _____ Ebl/d
Final open flow 413 Mcf/d Final open flow _____ Ebl/d
Time of open flow between initial and final tests 24 hours
Static rock pressure 1250 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)
Second producing formation Alexander Pay zone depth 5570'-5680' feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Ebl/d
Final open flow _____ Mcf/d Oil: Final open flow _____ Ebl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure _____ psig (surface measurement) after _____ hours shut in

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Benson 5310' - 5314'
10,000# 80/100; 35,000# 20/40
567 BBLs Water

Alexander 5653' - 5677'
10,000# 80/100; 30,000# 20/40
674 BBLs Water

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Dirt & Shale			0	74	1/4" stream @ 74'
Red Rock			74	310	
Sand			310	765	
Sand & Shale			765	960	1" stream @ 810
Sand			960	1135	
Shale			1135	1478	
Sand & Shale			1478	2105	
Red Rock			2105	2360	
Big Lime			2360	2405	
Injun			2405	2500	
Sand & Shale			2500	3025	
Gordon Stray			3025	3043	
Shale			3043	3105	
Gordon			3105	3152	
Sand & Shale			3152	4775	
Bradford			4775	4820	
Sand & Shale			4820	5310	Gas Ck @ Collars 2/10-1" w/w
Benson			5310	5320	
Shale			5320	5570	
Alexander			5570	5680	
Shale			5680	5749	

TO 5808

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

CHESTERFIELD ENERGY CORPORATION

Well Operator

By:

Samuel [Signature]

Date: January 9, 1989

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

017-3674

Issued 10/28/88 Expired 10/28/90
Page 3 of 7

FORM WW-2B

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

- 1) Well Operator: Chesterfield Energy Corporation **9550, 4, 595**
- 2) Operator's Well Number: Plauger #5 Well 3) Elevation: 1292.80'
- 4) Well type: (a) Oil / or Gas X
(b) If Gas: Production / Underground Storage
Deep / Shallow
- 5) Proposed Target Formation(s): Alexander ^{L39}
- 6) Proposed Total Depth: 5900 feet
- 7) Approximate fresh water strata depths: 365, 615, 1005, 206', 307'
- 8) Approximate salt water depths: N/A 2008, 2461'
- 9) Approximate coal seam depths: N/A 945-956', 1067-1074'
885-896'
Fwd Map & Data. 1265, 1357, 3476
- 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	
Conductor	11 3/4	H-40	42	16'	16'	38CSR18-11.3
Fresh Water						38CSR18-11.2.2
Coal				1104	1104	Q.I.C. w.U.
Intermediate	8 5/8	J-55	23	1000'	1000'	Circulate to Surface
Production	4 1/2	J-55	10.5		5850'	38CSR18-11.1
Tubing						
Liners						

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PACKERS : Kind _____
Sizes _____
Depths set _____

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

For Division of Oil and Gas Use Only

8119
35

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

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: October 24, 1988
2) Operator's well number
Plauger #5 Well
3) API Well No: 47 - 017 - 3674
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>Haymond R. Plaucher</u> Address <u>Patterson Street</u> <u>Salem, WV 26426</u></p> <p>(b) Name _____ Address _____</p> <p>(c) Name _____ Address _____</p>	<p>5) (a) Coal Operator:</p> <p>Name _____ Address _____</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name _____ Address _____</p> <p>Name _____ Address _____</p> <p>(c) Coal Lessee with Declaration</p> <p>Name _____ Address _____</p>
<p>6) Inspector <u>Mike Underwood</u> Address <u>Route #2, Box 114</u> <u>Salem, WV 26426</u> Telephone (304)- _____</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
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: _____
Its: Vice President Land and Contracts
Address 203 West Main Street
Clarksburg, WV 26301
Telephone (304) 623-5467

Subscribed and sworn before me this 24th day of October, 1988

Brenda Drummond Notary Public
My commission expires June 14, 1994