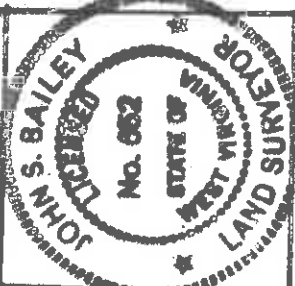


FILE NO. MSES 65-637  
 DRAWN BY RVS, SARG  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1/4 IN. 200'  
 PROVEN SOURCE OF ELEVATION EL. 91' RD. JCT. 6100' W OF LOCATION

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 A. Bailey R.P.E. 652



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

DATE MAY 28, 19 85  
 OPERATOR'S WELL NO. PLAUGER NO. 6  
 API WELL NO. 47-017-3476  
 STATE W.V. COUNTY CLARKSBURG PERMIT



Department of Mines  
 Oil & Gas Division

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS", PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 1312.20 WATER SHED  BUFFALO CREEK FORK  
 DISTRICT GREENBRIER COUNTY DODDRIDGE  
 QUADRANGLE SALEM 7.5' (1976) 596 ACREAGE 310.8  
 SURFACE OWNER C.E. PLAUGER  
 OIL & GAS ROYALTY OWNER C.E. PLAUGER LEASE NO. 330

PROPOSED WORK: DRILL  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 SEAN P. HENNING NOV 18 1985  
 ADDRESS 319 PROFESSIONAL BLDG. CLARKSBURG, W.V. 26301

PREPARED BY MSES CONSULTANTS 6-6 Salem (102) CLARKSBURG, W.V.



Date December 19, 1985  
Operator's Plauger #6 Well  
Well No. Plauger #6 Well  
Farm Plauger #6 Well  
API No. 47 - 017 - 3476

**RECEIVED**  
DEC 20 1985  
State of West Virginia  
Department of Mines  
Oil and Gas Division

DIVISION OF OIL & GAS  
**DEPT. OF ENERGY** WELL OPERATOR'S REPORT  
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1312.20' Watershed Buffalo Calf Fork  
District: Greenbrier County Doddridge Quadrangle Salem 7.5'

COMPANY Chesterfield Energy Corporation  
ADDRESS 320 Professional Bldg., Clarksburg, WV  
DESIGNATED AGENT Samuel J. Cann  
ADDRESS 320 Professional Bldg., Clarksburg, WV

SURFACE OWNER Haymond Plauger  
ADDRESS Route #2, Box 245, Salem, WV 26426  
MINERAL RIGHTS OWNER C. E. Plauger  
ADDRESS Route #2, Box 245, Salem, WV 26426

OIL AND GAS INSPECTOR FOR THIS WORK Harold  
Route #2 Box 114  
Mike Underwood ADDRESS Salem, WV 26426

PERMIT ISSUED November 8, 1985  
DRILLING COMMENCED December 7, 1985  
DRILLING COMPLETED December 12, 1985

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	Cement fill up Cu. ft.
Size			
20-16			
Cond.			
11 3/4	16'	pulled	
<del>13-1/2</del>			
9 5/8			
8 5/8		1000'	285 sks
7			
5 1/2			
4 1/2		5776'	210 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander Depth            feet  
Depth of completed well 5816 feet Rotary XX / Cable Tools             
Water strata depth: Fresh 210' feet; Salt            feet  
Coal seam depths: None Is coal being mined in the area?           

OPEN FLOW DATA

Producing formation Alexander Pay zone depth 5650' - 5730' feet  
Gas: Initial open flow 637 Mcf/d Oil: Initial open flow            Bbl/d  
Final open flow 520 Mcf/d Final open flow            Bbl/d  
Time of open flow between initial and final tests            hours  
Static rock pressure 1225 psig (surface measurement) after            hours shut in  
(If applicable due to multiple completion--)  
Second producing formation Benson Pay zone depth 5346' - 5384' feet  
Gas: Initial open flow            Mcf/d Oil: Initial open flow            Bbl/d  
Commingled with first stage  
Final open flow            Mcf/d Oil: Final open flow            Bbl/d  
Time of open flow between initial and final tests            hours  
Static rock pressure            psig (surface measurement) after            hours shut in

(Continue on reverse side)  
DEC 30 1985

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

Alexander 30,000# 20/40; 10,000# 80/100  
647 BLS Water

Benson 38,000# 20/40; 10,000# 80/100  
714 BLS Water

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Sand			0	15	Including indication of all fresh and salt water, coal, oil and gas
Shale			15	264	
Red Rock			264	301	½" stream water @ 210'
Shale			301	509	
Red Rock & Shale			509	964	
Sand & Shale			964	1603	
Sand			1603	1677	
Sand & Shale			1677	2392	
Big Lime			2392	2434	
Injun <sup>Coat</sup>			2434	2538	
Sand & Shale			2538	3060	
Gordon Stray			3060	3080	
Shale			3080	3132	Gas CK @ 2045' No Show Gas CK @ 3141' 6/10-½" w/w Gas CK @ 3298' 4/10-7" w/w Gas CK @ 4489' 2/10-7" w/w Gas CK @ 5776' 2/10-7" w/w  <sup>Top</sup> Box @ 2840'
Gordon			3132	3190	
Sand & Shale			3190	3764	
Balltown			3764	3890	
Sand & Shale			3890	4810	
Bradford			4810	4854	
Shale			4854	5346	
Benson			5346	5384	
Shale			5384	5650	
Alexander			5650	5730	
<u>Shale</u>			5730	5816	
TD			5816		

(Attach separate sheets as necessary)

Chesterfield Energy Corporation  
Well Operator  
By: Stanley D. Brown  
Date: December 19, 1985

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 lithology, encountered in the drilling of a well."

FORM WV-2 (B) FILE COPY  
(Obv) 7/85  
**RECEIVED**  
NOV 6 1985



1) Date: April 18, 1985  
2) Operator's Well No.: Plauger #6 Well  
3) API Well No.: 47 017-3476  
State County Permit

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

- 4) WELL TYPE: A Oil  Gas  XX  
B (If "Gas", Production  XX  
5) LOCATION: Elevation: 1312.20' Undergrnd storage: Buffalo Calf Fork Deep  Shallow  XX  
District: Greenbrier County: Doddridge Quadrangle: Salem 7.5'  
6) WELL OPERATOR: Chesterfield Energy Corp. 9150 7) DESIGNATED AGENT: Samuel J. Cann  
Address: 320 Professional Building Address: 320 Professional Building  
Clarksburg, WV 26301 Clarksburg, WV 26301  
8) OIL & GAS INSPECTOR TO BE NOTIFIED  
Name: Harold Mike Underwood  
Address: Route #2, Box 114  
Salem, WV 26426  
9) DRILLING CONTRACTOR:  
Name: Unknown  
Address: Unknown  
10) PROPOSED WELL WORK: Drill  deeper  Redrill  Stimulate  XX  
Plug off old formation  Perforate new formation   
Other physical change in well (specify): Alexander

11) GEOLOGICAL TARGET FORMATION: Alexander

12) Estimated depth of completed well, 5900 feet  
13) Approximate trata depths: Fresh, 400-651 feet; salt, \_\_\_\_\_ feet.  
14) Approximate coal seam depths: \_\_\_\_\_ feet. Is coal being mined in the area? Yes  No  XX

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	For drilling		
Conductor	11-3/4	H-40	42	16	16	
Fresh water						
Coal						
Intermediate	8-5/8	J-55	23	1000	1000	
Production	4-1/2	J-55	10.5	5850	5850	
Tubing						
Lin.						

Perforations: Top Bottom  
Circulate to surface by rule 15.01  
450 SA or 1500 gal by rule 15.01

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-017-3476 Date November 8 1985

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.  
Permit expires November 8, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing Fee	WPCP	S&E	Other
	KL-B	MW	MW \$559	MW		

*[Signature]*  
Director, Division of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.  
See the reverse side of the APPLICANT'S COPY for instructions to the well operator. File

