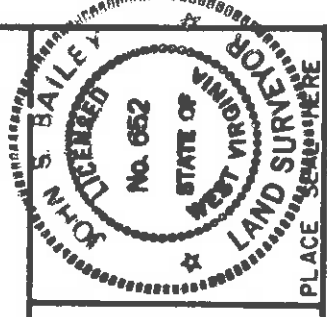


I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.  
 (SIGNED) *John S. Bailey*  
 R. P. E. L. L. S. 652



WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS" PRODUCTION  STORAGE \_\_\_\_\_ DEEP SHALLOW   
 LOCATION: ELEVATION 1196.20' WATER SHED \_\_\_\_\_ BUFFALO CALF FORK  
 DISTRICT GREENBRIER COUNTY DODDRIDGE  
 QUADRANGLE SALEM 7.5' (1976)  
 SURFACE OWNER C.E. PLAUGER  
 OIL & GAS ROYALTY OWNER C.E. PLAUGER  
 LEASE NO. \_\_\_\_\_ LEASE ACREAGE 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 BENSON / CEDAR CREEK ESTIMATED DEPTH 5700'  
 WELL OPERATOR CHESTERFIELD ENERGY CORP. DESIGNATED AGENT STANLEY N. PICKENS  
 ADDRESS 319-320 PROFESSIONAL BLDG. ADDRESS 319-320 PROFESSIONAL BLDG.  
 CLARKSBURG, WV. 26301 CLARKSBURG, W.V. 26301



DATE MAY 15 19 84  
 OPERATOR'S WELL NO. PLAUGER NO. 4  
 API WELL NO. 47-017-3341  
 STATE COUNTY PERMIT

8325' 59 20' LATITUDE 39°17'30"  
 80°35'00" LONGITUDE

*Handwritten notes:*  
 3273 (25)  
 1.903  
 1.570

*Handwritten notes:*  
 6-6 Sm. Platen - Seal (29)

JULI 23 1984



SEP 4 - 1984

IV-35  
(Rev 8-81)

OIL & GAS DIVISION

DEPT. OF MINES

State of West Virginia

Department of Mines

Oil and Gas Division

Date August 31, 1984

Operator's

Well No. Plauger #4 Well

Farm

API No. 47 - 017 - 3341

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: 1196.20' Watershed Buffalo Calf Fork

District: Greenbrier County Doddridge Quadrangle Salem 7.5

COMPANY Chesterfield Energy Corporation

ADDRESS 30 Professional Building, Clarksburg, WV 26301

DESIGNATED AGENT Stanley N. Pickers, President

ADDRESS 30 Professional Building, Clarksburg, WV 26301

SURFACE OWNER C. E. Plauger

ADDRESS Rt. #2, Box 245, Salem, WV 26426

MINERAL RIGHTS OWNER C. E. Plauger

ADDRESS Rt. #2, Box 245, Salem, WV 26426

OIL AND GAS INSPECTOR FOR THIS WORK Harold

Underwood ADDRESS Rt. 2, Box 114, Salem, WV 26426

PERMIT ISSUED July 17, 1984

DRILLING COMMENCED August 18, 1984

DRILLING COMPLETED August 24, 1984

IF APPLICABLE: PLUGGING OF DRY HOLE ON  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED  
ON

Casing Tubing Size	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16			
Cond. 11 5/8			
9 5/8	20'	20'	
8 5/8	1858'	1858'	475 sks
7			
5 1/2			
4 1/2	5800'	5800'	205 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander, Benson

Depth of completed well 5843' feet Rotary XX / Cable Tools

Water strata depth: Fresh 50', 230' feet; Salt

Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Alexander Pay zone depth 5704'-5736' feet

Gas: Initial open flow 60 Mcf/d Oil: Initial open flow

Final open flow 500 Mcf/d Final open flow

Time of open flow between initial and final tests 4 hours

Static rock pressure 1200 psig (surface measurement) after 12 hours shut in

(If applicable due to multiple completion--)

Second producing formation Benson Pay zone depth 5356'-5364' feet

Gas: Initial open flow

Final open flow

Time of open flow between initial and final tests

Static rock pressure

psig (surface measurement) after

OCT 1 1984

(Continue on reverse side)

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

Alexander 80/100, 7,500#; 20/40, 34,500#  
646 BBLs Sand Laden Fluid

Benson 80/100, 7,500#; 20/40, 34,500#  
670 BBLs Sand Laden Fluid

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Soft Dirt			0	10	
Shale			10	107	
Red Rock & Shale			966	966	Including indication of all fresh and salt water, coal, oil and gas
Sand			1755	1848	
Sand & Shale			1848	2336	
Big Lime			2336	2440	
Big Injun			2440	2516	
Sand & Shale			2516	3054	Gas CK a 2293' No Show and oil
Gordon			3054	3070	Gas CK a 2446' 4/10-2"
Shale			3070	3134	Odor
Gordon			3134	3145	Odor
Stray			3145	4068	Odor
Sand & Shale			4068	4320	2/10-2" w/w
Shale			4320	4860	6/10-1" w/w
Sand & Shale			4860	4866	6/10-1" w/w
Bradford			4866	5120	4/10-1" w/w
Sand & Shale			4866	5120	2/10-2" w/w
Riley			5120	5130	2/10-2" w/w
Sand & Shale			5130	5356	
Benson			5356	5364	
Sand & Shale			5364	5704	
Alexander			5704	5736	
Shale			5736	5843	
TD			5843		

(Attach separate sheets as necessary)

Chesterfield Energy Corporation  
Well Operator  
By: Samuel D. Davis  
Date: August 31, 1984

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 ... encountered in the drilling of a well."



1) Date: May 15, 1984  
 2) Operator's Name: P. Lauger No. 4  
 3) API Well No. 47 - 017 - 3341  
 State County Permit

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

4) WELL TYPE: A Oil  Gas   Shallow  Deep   
 B (if "Gas", Production  Underground storage  Buffalo Calf Fork   
 5) LOCATION: Elevation: 1196.20' Watershed: Dodbridge County: Doddridge Quadrangle: Salem 7.5 (1976)  
 District: Greenbrier  
 6) WELL OPERATOR: Chesterfield Energy Corp. 7) DESIGNATED AGENT: Stanley N. Pickens  
 Address: 319-320 Professional Bldg. Address: 319-320 Professional Bldg.  
 Clarksburg, WV 26301 Clarksburg, WV 26301  
 8) OIL & GAS INSPECTOR TO BE NOTIFIED: DRILLING CONTRACTOR:  
 Name: Harold Mike Underwood Name: Unknown  
 Address: Route 2, Box 114 Address: \_\_\_\_\_  
 Salem, WV 26426

**RECEIVED**  
 JUL 12 1984

10) PROPOSED WELL WORK: Drill  deeper  Redrill  Stimulate   
 Plug off old formation  Perforate new formation   
 Other physical change in well (specify) \_\_\_\_\_  
 11) GEOLOGICAL TARGET FORMATION, Benson - Cedar Creek  
 12) Estimated depth of completed well, 5700 feet  
 13) Approximate true depths: Fresh, 270, 495, 795 feet; salt, --- feet.  
 14) Approximate coal seam depths: None Is coal being mined in the area? Yes  No

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	Left in well		
Conductor	11-3/4	H-40	42	16	16		
Fresh water							
Coal							
Intermediate	8-5/8	J-55	23	1400	1400	Circulate	Size: To surface
Production	4-1/2	J-55	10.5		5650	450 sq ft. est. req. by rule 15.01	Perforations: Top Bottom
Tubing							
Liners							

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-017-3341 Date July 17, 1984

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 July 17, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Agent: <b>BLANKET</b>	Plat: <b>NO MW</b>	Casing: <b>MW</b>	Fee: <b>3966</b>
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*Margaret J. Shull*  
 Administrator, Office 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

