

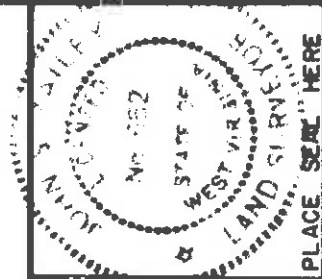
10,175' LONGITUDE 80°35'00" 10,550'

29 20' - 15" 39°20' - 15"

PREPARED BY MSES CONSULTANTS

FILE NO. MSES 83-271
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION ROAD INT. 1900' SW. Q. OF LOCATION EL 911

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. 152



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



Department of Mines
 Oil & Gas Division

DATE DECEMBER 2, 19 83
 OPERATOR'S WELL NO. MONROE NO. 1
 API WELL NO. 47-017-3273
 STATE WV COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS", PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 961.10' WATER SHED BUFFALO CALF FORK
 DISTRICT GREENBRIER COUNTY DODDRIDGE
 QUADRANGLE SALEM 75' ACRES 97.83
 SURFACE OWNER V.F. ZINN
 OIL & GAS ROYALTY OWNER DOROTHEA WEBBER ET AL. LEASE ACREAGE 60

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 CEDAR CREEK ESTIMATED DEPTH 5400'
 WELL OPERATOR CHESTERFIELD ENERGY CORP. DESIGNATED AGENT STANLEY N. PICKENS
 ADDRESS 319-320 PROFESSIONAL BLDG. ADDRESS 319-320 PROFESSIONAL BLDG.
CLARKSBURG, W.V. 26301 CLARKSBURG, W.V. 26301

ALLEN BLUEPRINT Co. G.V. Smithton-Flint-Sedalia, (99) Charleston, WV
 JAN 3 1984

IV-35
(Rev 8-81)



Date February 17, 1984
Operator's
Well No. Monroe Well #1
Farm
API No. 47 - 017 - 3273

RECEIVED
FEB 17 1984
State of West Virginia
Department of Mines
Oil and Gas Division
DEPT. OF MINES

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 /)

LOCATION: Elevation: 961.10 Watershed Buffalo Calf Creek
District: Greenbrier County Doddridge Quadrangle Salem 7.5'

COMPANY Chesterfield Energy Corporation
ADDRESS 320 Professional Bldg., Clarksburg, WV 26301
DESIGNATED AGENT Stanley M. Pickens, President
ADDRESS 320 Professional Bldg., Clarksburg, WV 26301
SURFACE OWNER Fred Zinn
ADDRESS P. O. Box 366, Salem, WV 26426
MINERAL RIGHTS OWNER Dorothea Webber
ADDRESS Rt. #2, box 85, Smithburg, WV 26456
OIL AND GAS INSPECTOR FOR THIS WORK Mike Underwood
ADDRESS Salem, WV 26426
PERMIT ISSUED December 20, 1983
DRILLING COMMENCED January 16, 1984
DRILLING COMPLETED January 21, 1984
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REMORKING. VERBAL PERMISSION OBTAINED ON

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16			
Cond. 1 3/4 1 1/2	1 jt.		
9 5/8			
8 5/8	1060'	1060'	250 SKS
7			
5 1/2			
4 1/2		5128'	120 SKS
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Benson Depth feet
Depth of completed well 5416 feet Rotary / Cable Tools
Water strata depth: Fresh 264' 5 1/2 feet; Salt 8' 3/4 feet
Coal seam depths: None Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation Benson Pay zone depth 4991' - 4996' feet
Gas: Initial open flow 84 Mcf/d Oil: Initial open flow Bbl/d
Final open flow 600 Mcf/d Final open flow Bbl/d

Time of open flow between initial and final tests 4 hours
Static rock pressure 1700 psig (surface measurement) after 48 hours shut in

(If applicable due to multiple completion--)

Second producing formation N/A Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
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

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

1st Stage Benson
 Waterfrac with Nitrogen Assist
 50,000# 20/40
 540 BBLs Sand Laden Fluid
 130,000 SCF Nitrogen

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Dirt			0	43	
Sand & Shale			43	208	Water @ 8'
Sand			208	455	Water @ 37'
Sand & Shale			455	892	Water @ 264'
Sand			892	1349	Water @ 648'
Sand & Shale			1349	1743	
Sand			1743	2696	
Gordon Stray			2696	2702	Gas OK @ 2760' NO SHOW
Sand			2702	2772	Gas OK @ 3046' NO SHOW
Gordon			2772	2908	Gas OK @ 3378' NO SHOW
Sand & Shale			2908	3054	Gas OK @ 4128' NO SHOW
Sand			3504	4083	Gas OK @ 5014' 4/10-2"
Sand & Shale			4083	4459	Gas OK @ 5416' Odor
Bradford			4459	4498	
Sand			4498	4880	
Riley			4498	4882	
Sand & Shale			4882	4991	
Benson			4991	4996	
Sand & Shale			4996	5322	
Cedar Creek			5322	5358	
Sand			5358	5416	
TD			5416		

(Attach separate sheets as necessary)

Stanley M. Pickens, President
 Chesterfield Energy Corporation

Well Operator

By: Stanley M. Pickens
 Date: February 17, 1984

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic and detailed notation record of all formations, including



1) Date: December 2, 19 83

2) Operator's Well No. Monroe No. 1

3) API Well No. 47 State 017 County Permitt 3273

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

- 4) WELL TYPE: A Oil Gas
B (If "Gas", Production Underground storage Deep Shallow
Elevation: 961.10 Watershed: Buffalo Calf Creek
District: Greenbrier County: Doddridge Quadrangle: Salem 7.5' (1976)
- 5) LOCATION: WELL OPERATOR Chesterfield Energy Corp.
Address 319-320 Professional Bldg. 7) DESIGNATED AGENT Stanley N. Pickens
Clarksburg, WV 26301 Address 319-320 Professional Bldg.
Clarksburg, WV 26301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
Name Stephen Casey Mike Underwood
Address Rt. 2 Box 232D Saloma W. v. Address
Jane Lewt WV 26378 782-1043
- 9) DRILLING CONTRACTOR:
Name Unknown
Address
- 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, Cedar Creek
12) Estimated depth of completed well, 5400 feet
13) Approximate trata depths: Fresh, 765 feet; salt, -- feet.
14) Approximate coal seam depths: 720 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.	New	Used		
Conductor	11 3/4	H-40	42		X	20	
Fresh water							
Coal							
Intermediate	8 5/8	J-55	23	X		1061-1200	
Production	4 1/2	J-55	10.5	X		5350	
Tubing							
Liners							

Handwritten notes in table:
Circulate TO SURFACE
450 SX DRILLING REG. BY RULE 15.01
Perforations: 500
Top: 500
Bottom: 500

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-017-3273 Date December 20 1983

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. Approved Dec 20, 1983 unless well work is commenced prior to that date and prosecuted with due diligence. Permit expires

Bond:	Agent:	Plat:	Casing	Fec
13B	MA	MA	MA	2957

[Signature]
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

