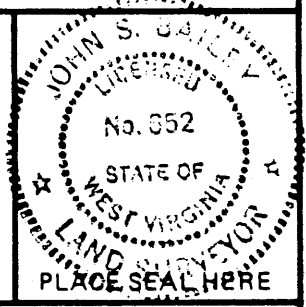


PLAT PREPARED BY MOUNTAIN STATE ENVIRONMENTAL SERVICE

FILE NO. MSES NO. 82-5
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 2500
 PROVEN SOURCE OF ELEVATION OIL WELL PERMIT NO. 388, ELEV. 1134.69'

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)



DATE MARCH 17, 1982
 OPERATOR'S WELL NO. NO. 1
 API WELL NO. 47-033-2851
 STATE CLAY COUNTY HARRISON PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1129 WATER SHED PURDYS RUN
 DISTRICT CLAY COUNTY HARRISON
 QUADRANGLE FAIRMONT WEST 7.5 (1976) Fairmont 15WC
 SURFACE OWNER DORSIE H. RILEY ACREAGE 48.5
 OIL & GAS ROYALTY OWNER DORSIE W. RILEY LEASE ACREAGE 48.5

LEASE NO. _____

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 5th SAND ESTIMATED DEPTH 2700'
 WELL OPERATOR CHESTERFIELD ENERGY CORP. DESIGNATED AGENT STANLEY N. PICKENS
 ADDRESS 319-320 PROFESSIONAL BLDG. CLARKSBURG, W.VA. 26301 ADDRESS 319-320 PROFESSIONAL BLDG. CLARKSBURG, W.VA. 26301

OCT 25 1982

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JAN 19 1983

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Date January 17, 1983

IV-35
(Rev 3-81)

State of West Virginia

Operator's Well No. Riley Well #1

Department of Mines

Farm _____

Oil and Gas Division

API No. 47 - 033 - 2851

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas xx / Liquid / Iron / Waste Disposal /
(If "Gas." Production / Ground Storage / Deep / Shallow /)

LOCATION: Elevation: 1129 Water Purdys Run
District: Clay Harrison Quadrangle Fairmont West 7.5

COMPANY Chesterfield Energy Corporation
320 Professional Building
ADDRESS Clarksburg, WV 26301

DESIGNATED AGENT Stanley N. Pickens

ADDRESS same

SURFACE OWNER Dorsie Riley

ADDRESS Rt. 2, Box 319, Shinnston, WV 26431

MINERAL RIGHTS OWNER same

ADDRESS _____

OIL AND GAS INSPECTOR FOR THIS WORK Stephen

Casey ADDRESS Rt.2, Box 232-D, Jane Lew

PERMIT ISSUED _____

DRILLING COMMENCED 12-31-82

DRILLING COMPLETED 1-05-83

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	78'	78'	
9 5/8			
8 5/8	911'	911'	240 sks
7			
5 1/2			
4 1/2	2743'	2743'	140 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION 4th & 5th Sand Depth _____ feet

Depth of completed well 2950' feet Rotary _____ / Cable Tools _____

Water strata depth: Fresh 1114 feet Salt _____ feet

Coal seam depths: 39'-54', 568'-572', 814'-818' coal being mined in the area? _____

OPEN FLOW DATA

2497-2500-4th
2500-2653-5th

Producing formation 4th & 5th Sand Pay zone depth 2497-2653 feet

Gas: Initial open flow odor Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow 300,000 Mcf/d Oil: Final open flow 5 BOPD Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 825 psig (surface measurement) after 72 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

(Continue on reverse side)

DETAILS OF PERFORATED INTERVALS, FRACURING OR STIMULATING, PHYSICAL DATA ETC.

4th & 5th Sand 5,000# 80/100 34,000# 20/40 10,000# 10/20
 505 BBLs
 135,000 SCF Nitrogen

FORMATION	COLOR	HARD OR SOFT	FEET	FEET	REMARKS
Fill Dirt			0	10	
Sand			10	39	
Sand Shale & Coal			39	54	
Sand			54	156	
Sand & Shale			156	297	
Sand			297	400	
Sand & Shale			400	478	
Sand & Shale			478	568	
Coal			568	572	
Sand & Shale			572	624	
Sand			624	708	
Sand & Shale			708	814	
Coal			814	818	
Sand & Shale & Red Rock			818	829	
Sand & Shale			829	849	
Red Rock			849	1135	1/4" H ₂ O @ 1114'
Sand			1135	1500	
Sand & Shale			1500	1535	Gas Ck @ 1503' No Show
Little Lime			1535	1574	
Big Lime			1574	1668	Gas Ck @ 1661' No Show
Sand & Shale			1668	1720	
Injun			1720	1729	
Sand & Shale			1729	2075	
Gantz			2075	2133	
Sand & Shale			2133	2330	
Sand & Shale			2330	2470	
4th Sand			2470	2500	
Sand & Shale			2500	2608	
5th Sand			2608	2647	
Shale			2647	2950	Gas Ck @ 2751' No Show
TD			2950		

(Attach separate sheets as necessary)

Chesterfield Energy Corporation

Well Operator

By:

Date: January 17, 1983

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
 and, encountered in the drilling of a well."



Date: Sept. 20, 19 82

Operator's Well No. Riley No. 1

API Well No. 47 033 2851
State County Permit

**STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
OIL AND GAS WELL PERMIT APPLICATION**

WELL TYPE: Oil _____ / Gas XX /
(If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow _____ /)
LOCATION: Elevation: 1129' Watershed: Purdys Run
District: Clay County: Harrison Quadrangle: Fairmont West 7.5

WELL OPERATOR Chesterfield Energy Corp.
Address 320 Professional Bldg.
Clarksburg, WV 26301

DESIGNATED AGENT Stanley N. Pickens
Address 320 Professional Building
Clarksburg, WV 26301

OIL & GAS ROYALTY OWNER Dorsie Riley
Address Rt. #2, Box 319
Shinnston, WV 26431

COAL OPERATOR none
Address _____

Acreage _____
SURFACE OWNER Dorsie Riley
Address same as above
Acreage 48.5

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name 3/4 J. C. Jarvis, Trustee of Will of
O. O. Warner
Address Empire Building
Clarksburg, WV 26301
Name 1/4 Barbara Warner
Address Rt. #2, Box 308
Bridgeport, WV 26330

FIELD SALE (IF MADE) TO:
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
Name none
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Stephen Casey
Address Route #2, Box 232-D
Jane Lew, WV 26378

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed _____ / lease XX
other contract _____ / dated Nov. 3, 19 81, to the undersigned well operator from Dorsie W. Riley

(If said deed, lease, or other contract has been recorded:
Recorded on Nov. 13, 19 81, in the office of the Clerk of the County Commission of Harrison County, West
Va., in _____ Book 1109 at page 614. A permit is requested as follows:

PROPOSED WORK: Drill XX / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____ /
Plug off old formation _____ / Perforate new formation _____ /
Other physical change in well (specify) _____
-planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

RECEIVED

OCT 07 1982

OIL & GAS DIVISION
DEPT. OF MINES

BLANKET BOND

Chesterfield Energy Corporation
Well Operator
By Stanley N. Pickens
Its President

Geo.

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Unknown
Address _____

GEOLOGICAL TARGET FORMATION, Fifth

Estimated depth of completed well, 2700' feet Rotary XX / Cable tools _____ /

Approximate water strata depths: Fresh, 30' feet; salt, 1038' feet.

Approximate coal seam depths: 154'-835'-873' Is coal being mined in the area? Yes _____ / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			New		FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	Used	For drilling	Left in well			
Conductor	11 3/4"					30'	30'		Kinds
Fresh Water									
Coal									Sizes
Intermediate	8 5/8"					1150'	1150'	Circulate	
Production	4 1/2"					2650'	2650'	150 SKS	Depths set as required
Tubing								by rule	15.01
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.
ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,
ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY
APPROVED FOR Drilling. THIS PERMIT SHALL EXPIRE
IF OPERATIONS HAVE NOT COMMENCED BY 6-22-83
BY [Signature]

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19____

By _____

Its _____