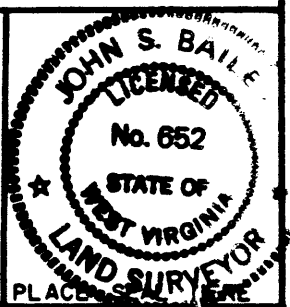


FILE NO. MSES 84-396
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION EL. 1054 HARRISON CO. RT. 24 1300 SOUTH OF SMITH CHAPEL

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



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



DATE MAY 17, 19 84
 OPERATOR'S WELL NO. OLIVERIO NO. 5
 API WELL NO. _____
47 - 033 - 3049
 STATE COUNTY PERMIT

Department of Mines
 Oil & Gas Division

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X)
 LOCATION: ELEVATION 1192.30' WATER SHED SIMPSON CREEK
 DISTRICT COAL 3 COUNTY HARRISON
 QUADRANGLE CLARKSBURG 7.5' (1976) 207 CLARKSBURG 027 SE 9
 SURFACE OWNER S. A. OLIVERIO ACREAGE 8
 OIL & GAS ROYALTY OWNER S. A. OLIVERIO EASE ACREAGE 138
 LEASE '0. _____
 PROPOSED WORK: DRILL X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION BENSON-ALEXANDER 165 ESTIMATED DEPTH 5100'
 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

JUN 18 1984



IV-35
(Rev 8-81)

Date July 9, 1984
Operator's
Well No. Oliverio #5 Well
Farm _____
API No. 47 - 033 - 3049

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JUL 19 1984

State of West Virginia
Department of Mines
Oil and Gas Division

OIL & GAS DIVISION WELL OPERATOR'S REPORT
DEPT. OF MINES 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: 1192.30' Watershed Simpson Creek
District: Coal County Harrison Quadrangle Clarksburg 7.5'

COMPANY Chesterfield Energy Corporation
ADDRESS 320 Professional Building, Clarksburg, WV 26301
DESIGNATED AGENT Stanley N. Pickens, President
ADDRESS 320 Professional Building, Clarksburg, WV 26301
SURFACE OWNER S. A. Oliverio
ADDRESS 429 Clark Street, Clarksburg, WV 26301
MINERAL RIGHTS OWNER S. A. Oliverio
ADDRESS 429 Clark Street, Clarksburg, WV 26301
OIL AND GAS INSPECTOR FOR THIS WORK Stephen Casey
ADDRESS Rt. #2, Box 252-D, Jane Lew, WV 26378
PERMIT ISSUED June 8, 1984
DRILLING COMMENCED June 21, 1984
DRILLING COMPLETED June 29, 1984
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 13 1/2	206'	206'	120 sks
9 5/8			
8 5/8	1025'	1025'	250 sks
7			
5 1/2			
4 1/2		4824'	670 sks
3			
2			
Liners used			

BRADFORD
GEOLOGICAL TARGET FORMATION Benson, Speechley, Fifth Sand, Big Limestone Depth _____ feet
Depth of completed well 5110' feet Rotary X / Cable Tools _____
Water strata depth: Fresh 350', 1044' feet; Salt _____ feet
Coal seam depths: 764' - 768' Is coal being mined in the area? _____

OPEN FLOW DATA

Producing formation Benson Pay zone depth 4702'-4708' feet
Gas: Initial open flow 207 Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 500 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 1100 psig (surface measurement) after 12 hours shut in
(If applicable due to multiple completion--)
Second producing formation Bradford Pay zone depth 3960'-3966' 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

Third Formation Speechley Depth: 3358'-3366'
Fourth Formation Fifth Sand Depth: 2655'-2684'
Fifth Formation _____ Depth: 1610'-1720'
SEP 4 1984
(Continue on reverse side)

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

Big Lime 1000 Gallons of 15% Acid
 Fifth Sand 30,000# Sand; 400 BBLS Water
 Speechley 35,000# Sand; 450 BBLS Water
 Bradford 30,000# Sand; 400 BBLS Water
 Benson 30,000# Sand; 450 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
Fill			0	5	
Sand & Shale			5	15	1/2" stream water @ 350'
Shale			15	172	Soap pump on hose @ 350'
Sand & Shale			172	311	
Sand			311	634	Open mine @ 172'-176'
Sand & Shale			634	764	
Coal			764	768	
Sand & Shale			768	1210	1/2" stream water @ 1044'
Sand & Shale & Red Rock			1210	1605	
Sand			1605	1640	Gas Ck @ 1720' 60/10-2" w/w
Big Lime			1640	1720	Gas Ck @ 1751' 4/10-7" w/w
Big Injun			1720	1775	Gas Ck @ 1781' 4/10-7" w/w
Sand & Shale			1775	2165	Gas Ck @ 1843' 4/10-7" w/w
Fifty Foot			2165	2184	Gas Ck @ 2031' 2/10-7" w/w
Sand & Shale			2184	2210	Gas Ck @ 2218' 2/10-7" w/w
Sand			2210	2244	Gas Ck @ 2341' 44/10-2" w/w
Sand & Shale			2244	2278	Gas Ck @ 2900' 30/10-2" w/w
Thirty Foot			2278	2312	Gas Ck @ 3463' 40/10-2" w/w
Sand & Shale			2312	2546	Gas Ck @ 3653' 40/10-2" w/w
Fourth Sand			2546	2578	Gas Ck @ 3841' 40/10-2" w/w
Sand & Shale			2578	2655	Gas Ck @ 4808' 40/10-2" w/w
Fifth Sand			2655	2684	Gas Ck @ 4997' 2/10-7" w/w
Sand & Shale			2684	2760	Gas Ck @ TD 24/10-2" w/w
Shale			2760	3218	
Sand & Shale			3218	3358	
Speechley			3358	3366	
Sand & Shale			3366	3960	
Bradford			3960	3966	
Sand & Shale			3966	4702	
Benson			4702	4708	
Sand & Shale			4708	5110	
TD			5110		

(Attach separate sheets as necessary)

Chesterfield Energy Corporation

Well Operator

By:

Stanley N. Pickens

Date:

July 9, 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 17, 1984
 2) Operator's Well No. S. A. Oliverio No. 5
 3) API Well No. 47 - 033 - 3049
 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 /
 B (If "Gas", Production / Underground storage / Deep / Shallow)
 5) LOCATION: Elevation: 1192.30' / Watershed: Simpson Creek **MWIS**
 District: Coal / County: Harrison / Quadrangle: Clarksburg 7.5 (1976)
 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 / 9) DRILLING CONTRACTOR:
 Name Stephen Casey / Name Unknown
 Address Rt. 2, Box 232-D / Address _____
Jane Lew, WV 26378
 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation / Other physical change in well (specify) _____
 11) GEOLOGICAL TARGET FORMATION, Benson - Alex
 12) Estimated depth of completed well, 5100 feet
 13) Approximate strata depths: Fresh, 135 feet; salt, -- feet.
 14) Approximate coal seam depths: 200, 340, 821, 900 Is coal being mined in the area? Yes

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MAY 23 1984

OIL & GAS DIVISION
DEPT. OF MINES

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	For drilling	Left in well		Kinds	Sizes
Conductor	11-3/4	H-40	42		X	16	16			
Fresh water										
Coal										
Intermediate	8-5/8	J-55	23	X		1000	1000	Circulate	To surface	
Production	4-1/2	J-55	10.5	X			5050	as req. by	Rule 15.01	
Tubing										
Liners										
									Perforations:	
									Top Bottom	

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-033-3049 Date June 8, 19 84

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 June 8, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>B</u>	Agent: <u>ls</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>3768</u>
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[Signature]

Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.