

82B 12/29/86

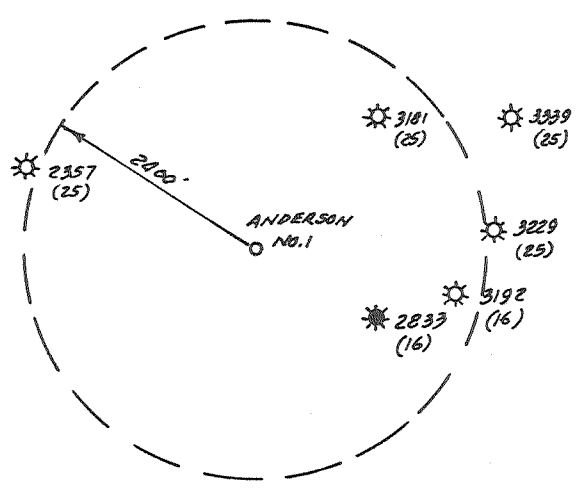
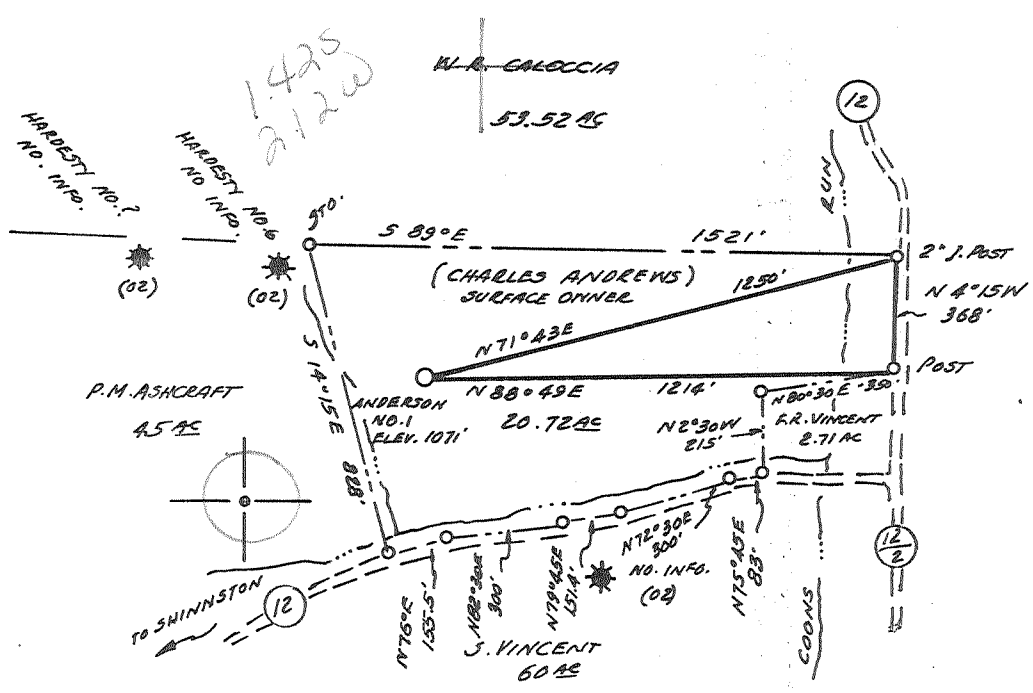
11,250'

LATITUDE 39°25'00"

3181 (25)

1.425
4.35W

1.425
2.12W



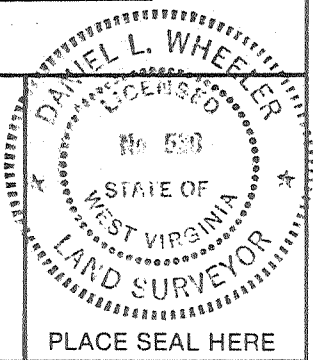
WELL REF:
N 13°25'E 162' 3" MAPLE
N 1°15'E 154' 4" MAPLE

D.L. WHEELER & ASSOCIATES, INC.
RT. 1, BOX 346
CHARLESBURG, WV 26301
PHONE: 304-623-5215

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 IN 200
PROVEN SOURCE OF ELEVATION CHESTERFIELD ENERGY
WELL #3181, ELEV. 1039'

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 ENERGY.
(SIGNED) Daniel L. Wheeler
R.P.E. _____ L.L.S. 530
DANIEL L. WHEELER



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE DECEMBER 10, 19 86
OPERATOR'S WELL NO. ANDERSON #1
API WELL NO.

47 - 033 - 3395
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 1071' WATERSHED COONS RUN
DISTRICT CLAY 2 COUNTY HARRISON
QUADRANGLE FAIRMONT WEST 7.5' 343 041 WCY
SURFACE OWNER CHARLES ANDREWS ACREAGE 20.72
OIL & GAS ROYALTY OWNER JACKSON L. ANDERSON LEASE ACREAGE 20.72
LEASE NO. _____

PROPOSED WORK: DRILL X 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 SPEECHLY ESTIMATED DEPTH 3500'
WELL OPERATOR CHESTERFIELD ENERGY CORP. DESIGNATED AGENT SAMUEL J. CANN
ADDRESS 203 W. MAIN ADDRESS 203 W. MAIN ST.
CLARKSBURG, WV 26301 CLARKSBURG, WV 26301

JAN 05 1986

6-6 Shinniston (109)

LONGITUDE 80°12'30"

COUNTY NAME

PERMIT

PURVIS WW-0
P.T. HALL 12/29/86

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1) Date: December 16, 19 86
 2) Operator's Well No. Anderson #1 Well
 3) API Well No. 47 033 -3395
 State County Permit

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

- 4) WELL TYPE: A Oil / Gas /
 B (If "Gas", Production / Underground storage / Deep / Shallow ¹⁾
- 5) LOCATION: Elevation: 1071' Watershed: Coons Run ³⁴³
 District: Clay ^{2 163} County: Harrison ⁰³³ Quadrangle: Fairmont West 7.5'
- 6) WELL OPERATOR Chesterfield Energy CODE: 9550 7) DESIGNATED AGENT Samuel J. Cann
 Address 203 West Main Street Address 203 West Main Street
Clarksburg, WV 26301 Clarksburg, WV 26301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Stephen Casey
 Address Route #2, Box 232-D
Jane Lew, WV 26378
- 9) DRILLING CONTRACTOR: Name _____
 Address Unknown
- 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, Speechley
- 12) Estimated depth of completed well, 3500 feet
 13) Approximate trata depths: Fresh, 100, 104 feet; salt, _____ feet.
 14) Approximate coal seam depths: 100, 104 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	For drilling	Left in well		
Conductor	11 3/4	H-40	42	X		16'	16'		Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8	J-55	23	X		900	900	Circulate to surface Per Rule 15.05 340 SKS OR MORE REQUIRED by Rule 15.01	Depths set
Production	4 1/2	J-55	10.5	X			3450		
Tubing									Perforations:
Liners									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-033-3395

January 2 19 87
 Date

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 January 2, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>ASD</u>	Plat: <input checked="" type="checkbox"/>	Casing: <input checked="" type="checkbox"/>	Fee: <u>6764</u> <u>177</u>	WPOP: <input checked="" type="checkbox"/>	S&E: <input checked="" type="checkbox"/>	Other: <input type="checkbox"/>
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NOTE: Keep one copy of this permit posted at the drilling location.

Director, Division of Oil and Gas

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

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

Speechley 7,000# 80/100; 17,500# 20/40
374 BBLs Water

Fifth Sand 7,000# 80/100; 50,500# 20/40
787 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	14	
Sand			14	142	1/2" stream @ 40'
Coal			142	146	
Sand			146	219	
Coal			219	223	
Sand & Shale			223	542	3/4" stream @ 245'
Sand			542	605	1" stream @ 350
Sand & Shale			605	1310	
Red Rock & Shale			1310	1465	
Big Lime			1465	1515	
Injun			1515	1640	
Shale			1640	2020	
50' Sand			2020	2080	Gas Ck @ 2401' No Show
Sand & Shale			2080	2555	Gas Ck @ 2708' Odor
Fifth Sand			2555	2590	Gas Ck @ 2924' 6/10-2" w/w
Shale			2590	3164	Gas Ck @ 3356' 2/10-2" w/w
Speechley			3164	3260	
Shale			3260	3380	
TD			3380		

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

CHESTERFIELD ENERGY CORPORATION

Well Operator

By:

Date: February 19, 1987

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 coal, encountered in the drilling of a well."



IV-35
(Rev 8-81)

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
Department of Mines
Oil and Gas Division

Date February 19, 1987
Operator's
Well No. Anderson #1 Well
Farm _____
API No. 47 - 033 - 3395

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 X /)

LOCATION: Elevation: 1071' Watershed Coons Run
District: Clay County Harrison Quadrangle Fairmont West 7.5'

COMPANY Chesterfield Energy Corporation
ADDRESS 203 West Main St., Clarksburg, WV 26301
DESIGNATED AGENT Samuel J. Cann
ADDRESS 203 West Main St., Clarksburg, WV 26301
SURFACE OWNER Charles M. Andrews
ADDRESS Rt. #2, Box 308, Shinnston, WV 26431
MINERAL RIGHTS OWNER Jackson L. Anderson
ADDRESS P. O. Box 2190, Clarksburg, WV 26301
OIL AND GAS INSPECTOR FOR THIS WORK Stephen Casey
ADDRESS Rt. #2, Box 232-D Jane Lew, WV 26378
PERMIT ISSUED January 2, 1987
DRILLING COMMENCED February 4, 1987
DRILLING COMPLETED February 8, 1987

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
11 3/4 11 3/4	18'	pulled	
9 5/8			
8 5/8		1192'	290 sks
7			
5 1/2			
4 1/2		3293'	210 sks
3			
2			
Liners used			

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

GEOLOGICAL TARGET FORMATION Speechley Depth _____ feet
Depth of completed well 3380 feet Rotary XX / Cable Tools _____
Water strata depth: Fresh 40, 245, 350 feet; Salt _____ feet
Coal seam depths: 142'-146', 219'-223' Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Speechley Pay zone depth 3164'-3260' feet
Gas: Initial open flow 60 Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 450 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure 720 psig (surface measurement) after _____ hours shut in
(If applicable due to multiple completion--)
Second producing formation Fifth Sand Pay zone depth 2555'-2590' 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)

MAR 02 1987