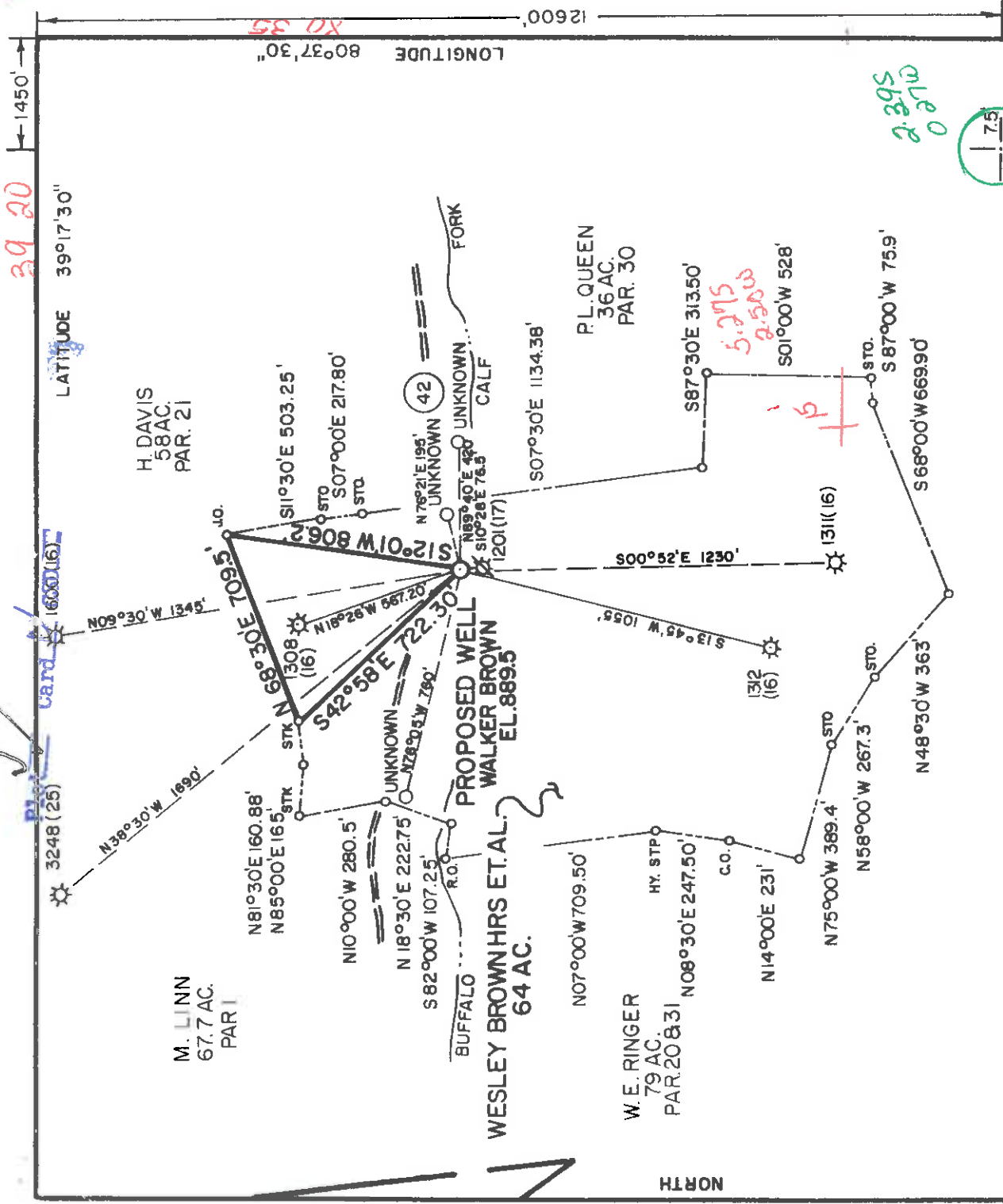


39 20



LONGITUDE 80°37'30"

12600'

LATITUDE 39°17'30"



2.295  
0.270

NORTH

PREPARED BY MSES CONSULTANTS

TAX MAP 38.4

FILE NO. MSES 84-276  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200'  
 PROVEN SOURCE OF ELEVATION ROAD INTERSECTION 2100' N.E. 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) W. L. Bailey  
 R. P. E. \_\_\_\_\_ L. L. S. \_\_\_\_\_ 652

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



Department of Mines  
 Oil & Gas Division

DATE JANUARY 17, 19 84  
 OPERATOR'S WELL NO. \_\_\_\_\_ NO. 1  
 API WELL NO. \_\_\_\_\_  
47 - 017 - 3282-Rev.  
 STATE \_\_\_\_\_ COUNTY \_\_\_\_\_ PERMIT \_\_\_\_\_

WELL TYPE: OIL \_\_\_\_\_ GAS X LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS", PRODUCTION X STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW X)  
 LOCATION: ELEVATION 889.50' WATER SHED BUFFALO CALF FORK  
 DISTRICT GREENBRIER COUNTY DODDRIDGE  
 QUADRANGLE SMITHBURGH 75' (1976)  
 SURFACE OWNER CHARLES ELOYD  
 OIL & GAS ROYALTY OWNER WESLEY BROWN HRS ET. AL. ACREAGE 46.35 LEASE ACREAGE 64  
 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) \_\_\_\_\_

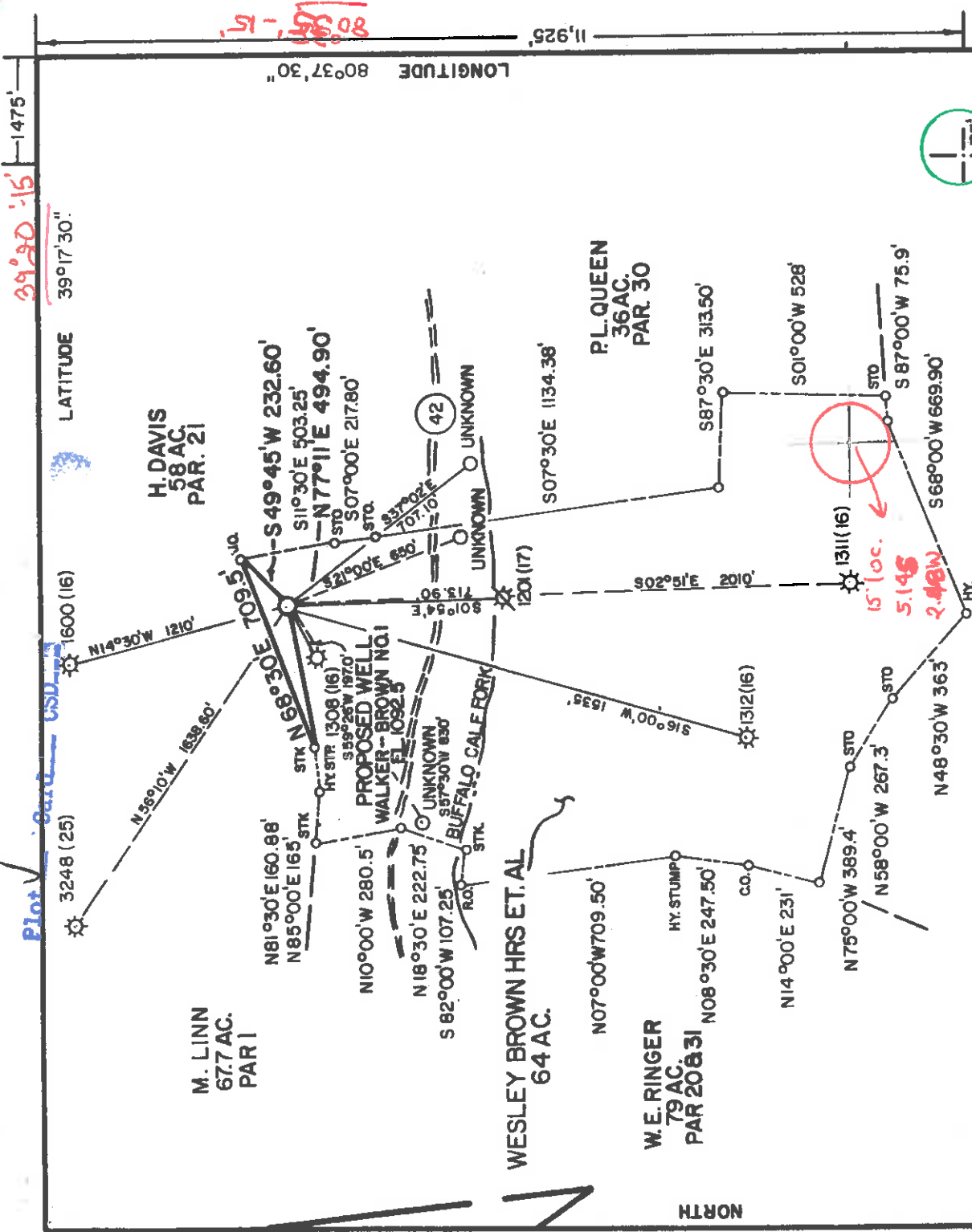
PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION CEDAR CREEK ESTIMATED DEPTH 5600'  
 WELL OPERATOR CHESTERFIELD ENERGY CORP DESIGNATED AGENT STANLEY N. PICKENS  
 ADDRESS 319-320 PROFESSIONAL BLDG. ADDRESS 319-320 PROFESSIONAL BLDG  
CLARKSBURG, W.V. 26301 CLARKSBURG, W.V. 26301

ALLEN BLUEPRINT Co. q

Charleston, WV

Jan 30 1984

DODD. 3282 REV.



LONGITUDE 80°37'30" 80°37'30" - 15'

LATITUDE 39°17'30" 39°20'15"

11,925'



J. L. SNIDER  
102 AC.  
PAR. 32

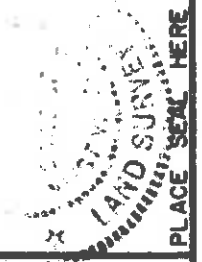
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0.2550

PREPARED BY MSES CONSULTANTS

FILE NO. MSES.83-276  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 500'  
MINIMUM DEGREE OF ACCURACY 1 PART IN 200'  
PROVEN SOURCE OF ELEVATION ROAD INTERSECTION 2000' SE. OF LOCATION EL. 911'

TAX MAPS 38.4

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  
S. P. E. L. L. S. 652



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



Department of Mines  
Oil & Gas Division

DATE DECEMBER 14, 1983  
OPERATOR'S WELL NO. \_\_\_\_\_ NO. 1  
API WELL NO. \_\_\_\_\_  
**47-017-3282**  
STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_\_\_ GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
( IF "GAS", PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW  )  
LOCATION: ELEVATION 1092.50 WATER SHEQ. BUFFALO CAFE FORK  
DISTRICT GREENBRIER COUNTY DODDRIDGE  
QUADRANGLE SMITHBURGH 75 (1976) Centerpoint 15' 56"  
SURFACE OWNER HOWARD DAVIS ACREAGE 57.56  
OIL & GAS ROYALTY OWNER WESLEY BROWN HRS. ET. AL. LEASE ACREAGE 64  
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 5600'  
WELL OPERATOR CHESTERFIELD ENERGY CORP. DESIGNATED AGENT STANLEY N. PICKENS JAN 9 1984  
ADDRESS 319-320 PROFESSIONAL BLDG. ADDRESS 319-320 PROFESSIONAL BLDG. CLARKSBURG, W.V. 26301

ALLEN BLUEPRINT Co. 66 Smithton-Ft. Sedalia (99) Charleston, WV





IV-35  
(Rev 8-81)

Date March 2, 1984  
Operator's  
Well No. Walker/Brown #1  
Farm  
API No. 47 - 017 - 5282-Rev.

**RECEIVED**  
Department of Mines  
Oil and Gas Division  
MAR 5 - 1984

OIL & GAS DIVISION  
**DEPT. OF MINES OPERATOR'S REPORT**  
OF  
**DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE**

WELL TYPE: Oil / Gas XX / Liquid Injection / Waste Disposal /  
(If "Gas," Production / Underground Storage / Deep / Shallow /)

LOCATION: Elevation: 889.50 Watershed Buffalo Calif Creek  
District: Greenbrier County Doddrige Quadrangle Smithburg 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 Charles Lloyd

ADDRESS Rt. #1, Salem, WV 26426

MINERAL RIGHTS OWNER (1/2) Edgar & Wilma Walker

(1/2) M. W. Brown Heirs

ADDRESS 10799 Hickory Ridge Rd. Apt. 302-F, Columbia, MD 21044

OIL AND GAS INSPECTOR FOR THIS WORK Stephen

Casey

ADDRESS Rt. #2, Box 232-0, Jane Lew, WV 26378

PERMIT ISSUED January 25, 1984

DRILLING COMMENCED February 6, 1984

DRILLING COMPLETED February 15, 1984

IF APPLICABLE: PLUGGING OF DRY HOLE ON

CONTINUOUS PROGRESSION FROM DRILLING OR

REWORKING. VERBAL PERMISSION OBTAINED

ON

Casing & Tubing	Used in Drilling in Well	Left in Well	Cement fill up Cu. ft.
Size			
20-16			
Cond.			
1 3/4"			
13*30*	37'	pulled	
9 5/8			
8 5/8	1356.55'	1356.55'	296 sks
7			
5 1/2			
4 1/2		5345'	250 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander, Bradford, Rillev, Benson Depth          feet

Depth of completed well 5374 feet Rotary / Cable Tools

Water strata depth: Fresh 50' 60' 35' feet; Salt          feet

Coal seam depths: 250' - 252' Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation Alexander Pay zone depth 5222' - 5274' feet

Gas: Initial open flow 29 Mcf/d Oil: Initial open flow          Bbl/d

Final open flow (400) Mcf/d Final open flow 2 BPD Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1100 psig (surface measurement) after 48 hours shut in

(If applicable due to multiple completion--)

Second producing formation Bradford, Riley, Benson Pay zone depth 4394' - 4906' 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

MAR 19 1984  
(Continue on reverse side)

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

Alexander  
Waterfrac with Nitrogen Assist  
40,000# 20/40  
390 BBL'S Sand Laden Fluid  
47,000 SCF Nitrogen

Bradford, Riley, Benson  
Waterfrac with Nitrogen Assist  
41,000# 20/40  
400 BBL'S Sand Laden Fluid  
90,000 SCF Nitrogen

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Sand & Shale			0	56	Including indication of all fresh and salt water, coal, oil and gas
Sand			56	113	
Sand			113	128	1/4" stream water @ 50' 3/4" - 1" stream water @ 60'
Sand & Shale			128	148	
Sand			148	166	1/2" stream water @ 385'
Sand & Shale			166	250	
Red Rock & Shale			250	252	
Coal			252	300	
Sand			300	370	
Shale			370	589	
Red Rock			589	842	
Sand & Shale			842	1400	
Sand			1400	1895	
Shale			1895	1915	
Little Lime			1915	1945	Gas @ 2090' 35/10-1 1/4" W/W
Shale			1945	2049	
Big Lime			2049	2079	Gas @ 2434' 20/10-1 1/4" W/W
Injun			2079	2630	Gas @ 2777' 14/10-1 1/4" W/W
Sand & Shale			2630	3580	Gas @ 3186' 2/10-2" open flow
Sand			3580	3941	Gas @ 3408' 2/10-2" FM/H2O
Sand & Shale			3941	4077	Gas @ 3748' 2/10-1 1/4" FM/H2O
Sand			4077	4394	Gas @ 4250' 3/10-1 1/4" FM/H2O
Sand & Shale			4394	4906	
Bradford, Riley & Benson			4906	5032	Gas @ 4560' 2/10-2" FM/H2O
Sand			5032	5222	Gas @ 4717' 5/10-1 1/4" FM/H2O
Sand & Shale			5222	5274	Gas @ 4967' 8/10-1 1/4" FM/H2O
Alexander			5274	5374	Gas @ Collars 5/10-1" FM/H2O
Sand			5374		

(Attach separate sheets as necessary)

Stanley M. Pickens, President  
Chesterfield Energy Corporation

Well Operator

By: Stanley M. Pickens  
Date: March 2, 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: December 14, 19 83  
 2) Operator's Walker Brown No.1 Well No.  
 3) API Well No. 47 - 017 - 3282 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: 1092.50 Watershed: Buffalo Calf Fork  
 District: Greenbrier County: Doddridge Quadrangle: Smithburgh 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  
 Name ~~XXXXXXXXXX~~ Mike Underwood Name Unknown  
 Address ~~XXXXXXXXXX~~ Salem, WV 26426 Address  
 9) DRILLING CONTRACTOR:  
 Name Unknown  
 Address  
 10) PROPOSED WELL WORK: Drill  / Redrill  / Stimulate   
 Plug off old formation  / Perforate new formation   
 Other physical change in well (specify) \_\_\_\_\_  
 Cedar Creek  
 11) GEOLOGICAL TARGET FORMATION, \_\_\_\_\_ feet  
 12) Estimated depth of completed well, 5600 feet  
 13) Approximate true depths: Fresh, 190, 896 feet; salt, -- feet.  
 14) Approximate coal seam depths: 851 Is coal being mined in the area? Yes  No

RECEIVED  
 JAN 5 - 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
Conductor	11-3/4	H-40	42		X	20	20	Kinds
Fresh water								Sizes
Coal								
Intermediate	8-5/8	J-55	23	X		1192-2250	1192-1350	Circulate to surface near
Production	4-1/2	J-55	10.5	X		5550	5550	440 SX or
Tubing								RULE 15.01
Liners								Perforations:
								Top
								Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-017-3282 Date January 4, 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 January 4, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
BLANKET BOND	ML	ML	ML	295

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

Administrator, Office of Oil and Gas

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

File





RECEIVED

JAN 25 1984



1) Date: January 17, 19 84  
2) Operator's Well No. 1 Walker Brown No. 1 rev.  
3) API Well No. 47 - 017 - 3282-Rev  
State County Permit

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

4) WELL TYPE: A Oil  Gas   
B (If "Gas", Production  Underground storage  Deep  Shallow   
5) LOCATION: Elevation: 889.50 Watershed: Buffalo Calf Fork  
District: Greenbrier County: Doddridge Quadrangle: Smithburg 7.5 (1976)  
6) 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 9) DRILLING CONTRACTOR:  
Address: Rt. 2, Box 232-D Name: Unknown  
Jane Lew, WV 26378 Address:

10) PROPOSED WELL WORK: Drill  deeper  Redrill  Stimulate   
Plug off old formation  Perforate new formation   
Other physical change in well (specify) Cedar Creek

11) GEOLOGICAL TARGET FORMATION, Cedar Creek  
12) Estimated depth of completed well, 5600 feet  
13) Approximate trata depths: Fresh, 90, 790 feet; salt, --- feet.  
14) Approximate coal seam depths: 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
Conductor	11 3/4	H-40	42		X	20	20	Kinds
Fresh water								Sizes
Cable								Depths set
Intermediate	8 5/8	J-55	23	X		989' - 1350'	Circulate to surface NEAR	Perforations:
Production	4 1/2	J-55	10.5	X		5550 or as req. by rule 15.01		Top
Tubing								Bottom
Lines								

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-017-3282-Rev Date January 25, 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.)

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Permit expires January 25, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent: ✓	Plat:	Casing	Fee
BB	MH	MH	MH	3160

*[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



