



1) Date: Nov. 7, 1983
 2) Operator's Well No. Burdette 4-D
 3) API Well No. 47 - 035 - 1917
 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 XXX / Gas XXX /
 B (If "Gas", Production XXXX / Underground storage _____ / Deep _____ / Shallow XXX /)
- 5) LOCATION: Elevation: 830 Watershed: Lamp Run
 District: Grant County: Jackson Quadrangle: Pond Creek
- 6) WELL OPERATOR H D Wells Oil & Gas 7) DESIGNATED AGENT H D Wells III
 Address P. O. Box 1785 Address P. O. Box 1785
Charleston, WV 25326 Charleston, WV 25326
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Jerry Tehpabock Name Clint Hurt * Associates
 Address RT. 1, Box 101-A Address Elkview
Ripley, WV 25271 TEL 372-6805
- 10) PROPOSED WELL WORK: Drill XX / Drill deeper _____ / Redrill _____ / Stimulate _____
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Dvonian Shale
- 12) Estimated depth of completed well, 4,200 feet
 13) Approximate strata depths: Fresh, 65 feet; salt, 1,100 feet.
 14) Approximate coal seam depths: none Is coal being mined in the area? Yes _____
- 15) CASING AND TUBING PROGRAM

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 OIL & GAS DIVISION
 DEPT. OF MINES

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	9-5/8			X		300'	300'	to surface	by rule 15.05
Fresh water									
Coal									Sizes
Intermediate	7			X		1900'	1900'	500'	
Production	4 1/2			X		4200'	4200'	1000'	OR AS SET BY RULE 15.01
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-035-1917 Date November 10, 19 83

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 November 10, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

BLANKET BOND

Bond:	Agent: <u>[Signature]</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>2510</u>
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Administrator, Office of Oil and Gas

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



STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

1) WELL LOCATION: District _____ County _____

2) WELL OPERATOR: Name _____ Address _____

3) DRILLING CONTRACTOR: Name _____ Address _____

4) DESIGNATED AGENT: Name _____ Address _____

5) PROPOSED WELL WORK: Drill _____ Plug off old formation _____

6) GEOLOGICAL TARGET FORMATION: _____

7) ESTIMATED DEPTH OF COMPLETED WELL: _____

8) APPROXIMATE TRAP DEPTHS: Fresh _____ test _____

9) APPROXIMATE COAL SEAM DEPTHS: _____

10) CASING AND TUBING PROGRAM: _____

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DEPT. OF MINES OIL & GAS DIVISION

TUBING OR CEMENT TYPE	SIZE	GRADE	WEIGHT		FOOTAGE INTERVALS		CEMENT PILLER OR SACKS (Gauge feet)	FACTORS
			Per ft.	Total	Start in well	End of string		
Conductor	4 1/2"	10	30	300'	300'	500'		Drinks 12.05
Intermediate	7"	10	100	1000'	1000'	500'		OR AS RECD BY
Production	10"	10	100	1000'	1000'	500'		ROPE 12.0

OFFICE USE ONLY

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Date(s)
Application received		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason: _____

Reason: _____

BLANKET BOND

1) Date: Nov. 7, 1983
2) Operator's Well No. L.E. BURDETTE 4-D
3) API Well No. 47-035-1917
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED

(i) Name L. E. BURDETTE

Address MURRAYSVILLE WV

(ii) Name _____

Address _____

(iii) Name _____

Address _____

5 (i) COAL OPERATOR NONE

Address _____

5 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD

Name _____

Address _____

Name _____

Address _____

5 (iii) COAL LESSEE WITH DECLARATION ON RECORD:

Name _____

Address _____

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

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NOV 8 - 1983

6) EXTRACTION RIGHTS

Check and provide one of the following:

- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
- The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

OIL & GAS DIVISION
DEPT. OF MINES

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by

GARY A. GALYEAN

this 7 day of NOVEMBER, 1983.

My commission expires 9-22, 1991.

Gary A. Galyean
Notary Public, STATEWIDE County,
State of W. VA.

WELL

OPERATOR H. D. WELLS Oil + Gas Exp + Dev.

By [Signature]
Its PRESIDENT

Address P.O. BOX 1785

CHARLESTON WV

Telephone 346-2829

09/08/2023

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, 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 § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

I N F O R M A T I O N S U P P L I E D U N D E R C O D E § 22-4-11(d)
I N L I E U O F F I L I N G L E A S E (S) A N D O T H E R C O N T I N U I N G C O N T R A C T (S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book</u>	<u>Page</u>
L.E. & FRANCES BURDETTE	H.D. WELLS OIL + GAS	1/8 OF 8/8	182	534

AFFIDAVIT OF PERSONAL SERVICE ON SURFACE OWNER

STATE OF WEST VIRGINIA,
COUNTY OF STATE-WIDE :

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of--

- (1) Notice on Form IV-2(A) X / Form IV-3(A) / Form IV-4(A) /
- (2) Application on Form IV-2(B) X / Form IV-3(B) / Form IV-4(B) /
- (3) Plat showing the well location on Form IV-6, and
- (4) Construction and Reclamation Plan on Form IV-9 (unless the application is to plug a well)

--all with respect to operator's Well No. BURDETTE 4-D located in GRANT District, JACKSON County, West Virginia, upon the person or organization named--

L. E. BURDETTE

RECEIVED

--by delivering the same in JACKSON County, State of W. VA on the 7 day of NOV., 1983 in the manner specified below. NOV 8 - 1983

[COMPLETE THE APPROPRIATE SECTION]

OIL & GAS DIVISION
DEPT. OF MINES

For an individual:

Handing it to him X / her / or, because he / she / refused to take it when I offered it, by leaving it in his / her / presence.

Handing it to a member of his or her family above the age of 16 years named who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

Handing it to , a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

Handing it to the general partner, named , or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

Handing it to the corporation's employee / officer / director / attorney in fact / named .

[Signature]
(Signature of person executing Service)

Taken, subscribed and sworn before me this 8 day of NOV., 1983.
My commission expires 9-22-91

[Signature]
Notary Public

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)

09/08/2023

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NOV 8 - 1983

DEPT. OF MINES
OIL & GAS DIVISION

09/08/2023

1) Date: JULY 8 1983
 2) Operator's Well No. L.E. BURDETTE #
 3) API Well No. 47 - 035 -
 State County Perm

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OFFICE OF OIL & GAS

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A. Oil ___ / Gas X /
 B. (If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow X /
- 5) LOCATION: Elevation: _____ Watershed GUNNER TREE RUN
 District: GRANT County: JACKSON Quadrangle: POND CREEK
- 6) WELL OPERATOR H.D. WELLS OIL + GAS
 Address P.O. BOX 1785
CHARLESTON, WV
- 7) DESIGNATED AGENT H.D. WELLS JR
 Address P.O. BOX 1785
CHARLESTON
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name HOMER H. SOUGHERTY
 Address LINDEN RT. BOX 3-A
LOONEYVILLE, WV
- 9) DRILLING CONTRACTOR:
 Name CLINT HURT + ASSOC.
 Address ELKVIEW, WV
- 10) PROPOSED WELL WORK: Drill X / Drill Deeper ___ / Redrill ___ / Stimulate ___ /
 Plug off old formation ___ / Perforate new formation ___ /
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, DEVONIAN SHALE
- 12) Estimated depth of completed well (or actual depth of existing well), 4200 feet
 13) Approximate water strata depths: Fresh, 120 feet; salt, 1100 feet.
 14) Approximate coal seam depths: NONE 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		Kinds	Sizes
Conductor	9 5/8"		36 lb.	X		300'	300'	TO SURFACE		
Fresh water										
Coal										
Intermediate	7"	J-55		X		2200'	2200'	500' FILL UP		
Production	4 1/2"	"	10.5	X		4200'	4200'	1000' "		Depths set
Tubing										
Liners										Perforations: Top Bottom

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application (or less than 5 days if the Application is to plug a well), if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)

(For execution by natural persons)

NAME: H.D. Wells Oil & Gas Exp. & Dev. Inc.

L.E. Burdette Date: July 8
 (Signature)

By [Signature]

Frances Burdette Date: July 8
 (Signature)

Its [Signature] Date: July 8 1983

LEASE INFORMATION:

DEED BOOK 182
 PAGE 534

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 OIL & GAS DIVISION
 DEPT. OF MINES

INSTRUCTIONS TO SURFACE OWNERS AND EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT ON OIL AND GAS WELL WORK PERMIT

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (NOTE: If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) Permit will be good for 24 months. See Chapter 22, Article 4 of the W. Va. Code.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

Where to file comments and obtain additional information:

Administrator of the Office of Oil and Gas
West Virginia Department of Mines
1615 Washington Street East
Charleston, WV 25311
(304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be personally served or mailed to you on or before the date the operator files his Application. You have FIFTEEN (15) DAYS after the filing date to file your comments as provided in Methods for Filing Comments below. (This time is changed to FIVE (5) DAYS from the filing date if the permit is only to plug a well.) You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments should include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the Application. You may add other documents, such as sketches, maps or photographs to support your comments. Methods for filing comments. Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- "(1) The proposed well work will constitute a hazard to the safety of persons; or
- "(2) The plan for soil erosion and sediment control is not adequate or effective; or
- "(3) Damage would occur to publicly owned lands or resources; or
- "(4) The proposed well work fails to protect fresh water sources or supplies."

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.



IV-9
(Rev 8-81)

DATE July 8-83
WELL NO. BURDETTE #5
API NO. 47 - 035 - 1917

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME H. D. WELLS OIL & GAS
Address Box 1785, CHAS.
Telephone 304-346-2829

DESIGNATED AGENT H. D. WELLS III
Address SAME
Telephone _____

LANDOWNER _____

SOIL CONS. DISTRICT WESTERN

Revegetation to be carried out by H. D. WELLS OIL & GAS (Agent)

This plan has been reviewed by Western SCD. All corrections and additions become a part of this plan: July 14 1983

(Date)
Wayne W. Hughes
(SCD Agent)

ACCESS ROAD

LOCATION

Structure DRAINAGE DITCH (A)

Structure _____ (1)

Spacing _____

Material EARTHEN

Page Ref. Manual 1:5

Page Ref. Manual 1:11

Structure CULVERT (B)

Structure _____ (2)

Spacing _____

Material _____

Page Ref. Manual 1:3

Page Ref. Manual _____

Structure _____ (C)

Structure _____ (3)

Spacing _____

Material DEPT. OF MINES

Page Ref. Manual _____

Page Ref. Manual _____

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All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

OK

REVEGETATION

Treatment Area I

Treatment Area II

Lime RATE OF 2-4 Tons/acre
or correct to pH 6.6

Lime RATE OF 2-4 Tons/acre
or correct to pH 6.5

Fertilizer 600 lbs/acre
(10-20-20 or equivalent)

Fertilizer 600 lbs/acre
(10-20-20 or equivalent)

Mulch HAY Tons/acre

Mulch HAY Tons/acre

Seed* KENTUCKY 51 30 lbs/acre

Seed* KENTUCKY 51 30 lbs/acre

RYE 6 lbs/acre

RYE 6 lbs/acre

LADING CLOVER 24 lbs/acre

LADING CLOVER 24 lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

09/08/2023

PLAN PREPARED BY H. D. WELLS III

ADDRESS Box 1785, CHAS.

PHONE NO. 304-346-2829

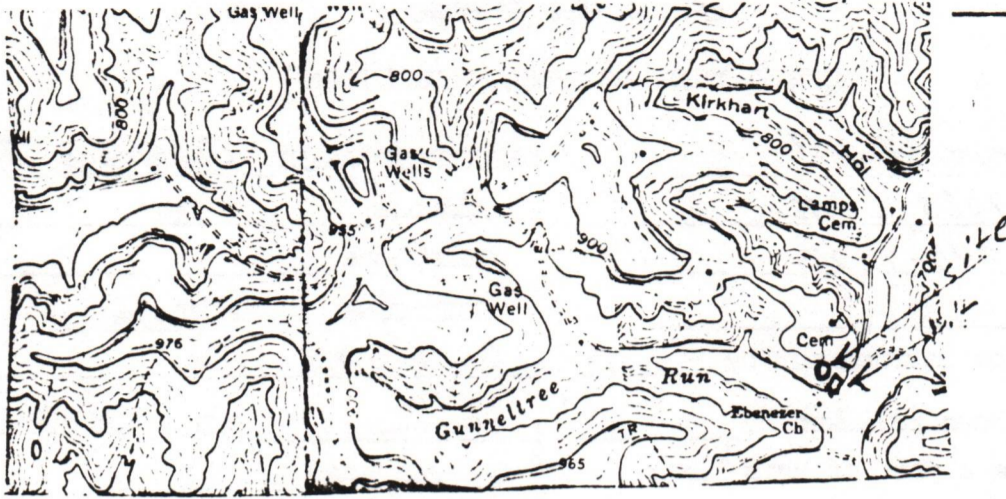
NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Pond Creek

LEGEND

Well Site ⊕

Access Road ———



WELL SITE PLAN

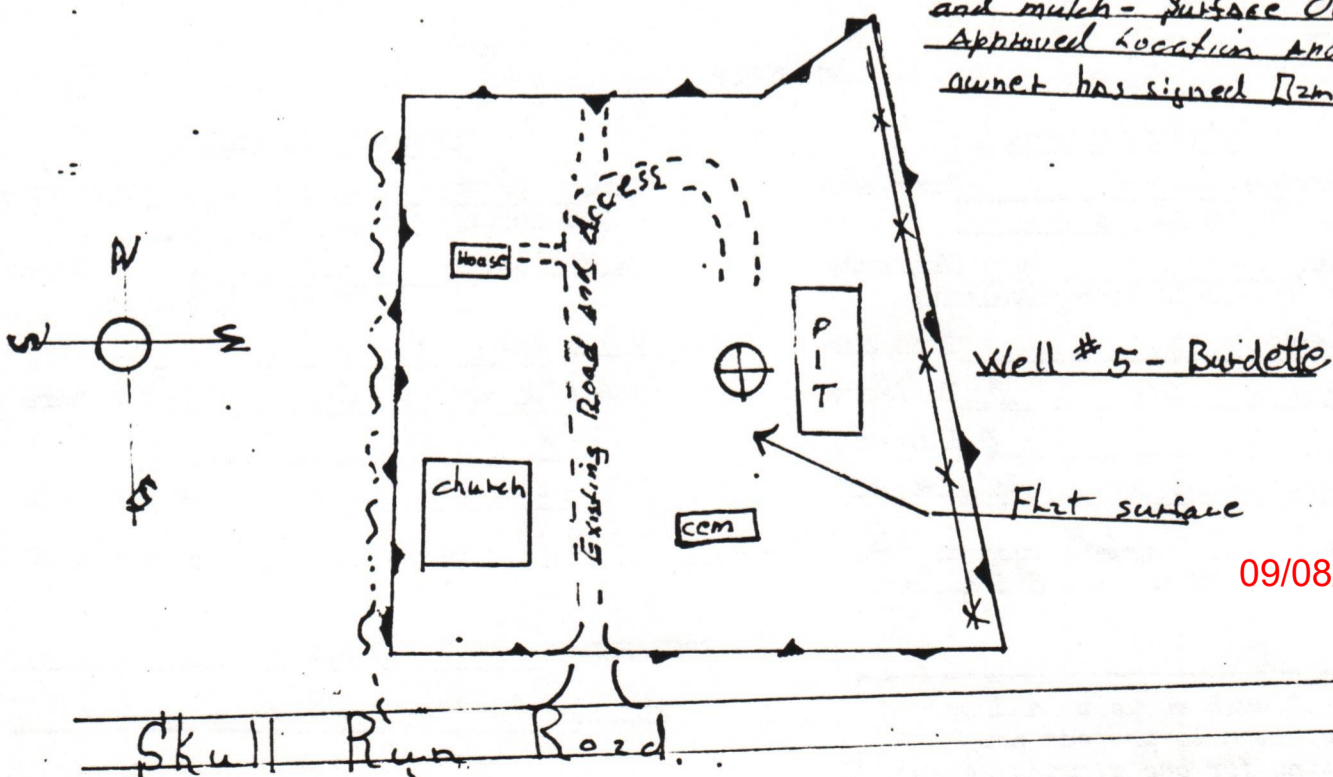
Sketch to include well location, existing access road, roads to be constructed, well site drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

Property boundary ———	Diversion // // // //
Road = = = = =	Spring ○ →
Existing fence — x — x —	Wet spot ☉
Planned fence — / — / —	Building []
Stream ~ ~ ~ ~ ~	Drain pipe — ○ — ○ —
Open ditch — ···· — ···· —	Waterway ⊂ ⊃ ⊃ ⊃ ⊃

OK

Existing Road to location Area, No Timber or brush to remove - open field - No grading necessary - Reseed and mulch - Surface Owner HAS Approved location and pit Area owner has signed Release Waiver



09/08/2023

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AUG 14 1984



IV-35
(Rev 8-81)

OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date June 29, 1984
Operator's
Well No. Burdette #4-D
Farm L. E. Burdette
API No. 47 - 035 - 1917

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 830 ft. Watershed Lamps Run
District: Grant County Jackson Quadrangle Pond Creek

COMPANY H. D. Wells Oil & Gas, Inc.
ADDRESS P.O. Box 1785, Charleston, WV 25326
DESIGNATED AGENT same
ADDRESS same
SURFACE OWNER L. E. Burdette
ADDRESS Rt. 1, Box 57, Murraysville, WV 26153
MINERAL RIGHTS OWNER same
ADDRESS same
OIL AND GAS INSPECTOR FOR THIS WORK Jerry
Tephabock ADDRESS Rt. 1, Box 101-A
Ripley, WV 25271
PERMIT ISSUED 10/10/83
DRILLING COMMENCED 06/08/84
DRILLING COMPLETED 06/20/84
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.			
13-10"			
9 5/8		240	surface
8 5/8			
7		2,100	1,050
5 1/2			
4 1/2		3,900	1,300
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Dev. Shale Depth 3,912 feet
Depth of completed well 3,912 feet Rotary XX / Cable Tools
Water strata depth: Fresh 82 feet; Salt 1,145 feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Dev. Shale Pay zone depth 3,797 feet
Gas: Initial open flow 80,000 Mcf/d Oil: Initial open flow None Bbl/d
Final open flow 40,000 Mcf/d Final open flow 1 Bbl/d
Time of open flow between initial and final tests 8 hours
Static rock pressure 1125 psig (surface measurement) after 12 hours shut in
(If applicable due to multiple completion--)
Second producing formation Berea Pay zone depth 2258 feet
Gas: Initial open flow None Mcf/d Oil: Initial open flow None Bbl/d
Final open flow 20,000 Mcf/d Oil: Final open flow 1 Bbl/d
Time of open flow between initial and final tests 8 hours
Static rock pressure 1125 psig (surface measurement) after 12 hours shut in

(Continue on reverse side)

JACK. 1917

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

Perf: Berea 2258 - 2261.5
 Perf: Shale 3670 - 3797.5 15 holes
 Frac Shale with N²

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Clay	Red		0	20	
Shale	Dark		20	110	Fresh water at 82 feet
Sand & Shale			110	500	
Red Rock			500	850	
Shale			850	1150	
Sand-Salt			1150	1295	
Shale			1295	1700	
Ingon Sand			1700	1710	
Shale			1710	2258	
Berea Sand			2258	2261.5	Gas
Shale			2261.5	3912	Total Depth

(Attach separate sheets as necessary)

H. D. Wells Oil & Gas Exploration & Development, Inc.
 Well Operator

By: *[Signature]* 09/08/2023
 Date: 8/6/24

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."

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

RECEIVED

JUN 12 1984

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 035 1917

Oil or Gas Well _____
(KIND)

Company <u>H.D. Wells</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Burdette</u>	16			Kind of Packer _____
Well No. <u># 4D</u>	13			
District _____ County <u>Jackson</u>	10			Size of _____
Drilling commenced <u>6 4 84</u>	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Tom Stone Carl E. Smith

Remarks:

6 4 84 Spud Date

6 4 84

DATE

09/08/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

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JUN 12 1984

INSPECTOR'S WELL REPORT

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Oil or Gas Well _____
(KIND)

Permit No. 035 1917

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Address _____	Size			
Farm <u>Burdette</u>	16			Kind of Packer _____
Well No. <u>4D</u>	13			
District <u>Grant</u> County <u>Jackson</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 3/4			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Tom Stone Carl. E. Smith Rig #6

Remarks:

Rah 95/8 set at 300 feet Cemented 100 sacs regular neat plus 10% salt 4 lb flocele plug down at 8:30 pm.

6 5 84

DATE

John 09/08/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

INSPECTOR'S WELL REPORT

Permit No. 035 1917

Oil or Gas Well _____
(KIND)

Company <u>H. D. Wells</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			Kind of Packer _____
Farm <u>Burdette</u>	16			
Well No. <u>#4</u>	13			Size of _____
District _____ County <u>Jackson</u>	10			
Drilling commenced _____	8 1/4			Depth set _____
Drilling completed <u>6 12 84</u> Total depth _____	6 5/8			
Date shot _____ Depth of shot _____	5 3/16			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	3			
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used _____			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks: _____

6 9 84 Ran 7'' csg 2069' cement Dowell 100 sks.
6 12 84 Ran 4 1/2 csg 3918' cement Dowell 165 sks.
6 15 84 moving rig to shop.

6 15 84
DATE

Jeffrey T. Tophal
09/08/2023
DIVISION OF MINES, WEST VIRGINIA



RECEIVED
JAN 23 1985

State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

OIL & GAS DIVISION
DEPT. OF MINES

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
September 17, 1984

COMPANY H. D. Wells Oil & Gas, Inc.

PERMIT NO 035-1917

P. O. Box 1785,

FARM & WELL NO L. E. Burdette #4-D

Charleston, West Virginia 25325

DIST. & COUNTY Grant/Jackson

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work		X
25.04	Prepared before Drilling to Prevent Waste		
25.03	High-Pressure Drilling		
16.01	Required Permits at Wellsite	X	
15.03	Adequate Fresh Water Casing		
15.02	Adequate Coal Casing		
15.01	Adequate Production Casing		
15.04	Adequate Cement Strenght		
15.05	Cement Type		
23.02	Maintained Access Roads	X	
25.01	Necessary Equipment to Prevent Waste	X	
23.04	Reclaimed Drilling Pits	X	
23.05	No Surface or Underground Pollution	X	
23.07	Requirements for Production & Gathering Pipelines	X	
16.01	Well Records on Site		
16.02	Well Records Filed		
7.05	Identification Markings	X	

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED Jerry Tophal
DATE 1 16 85

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

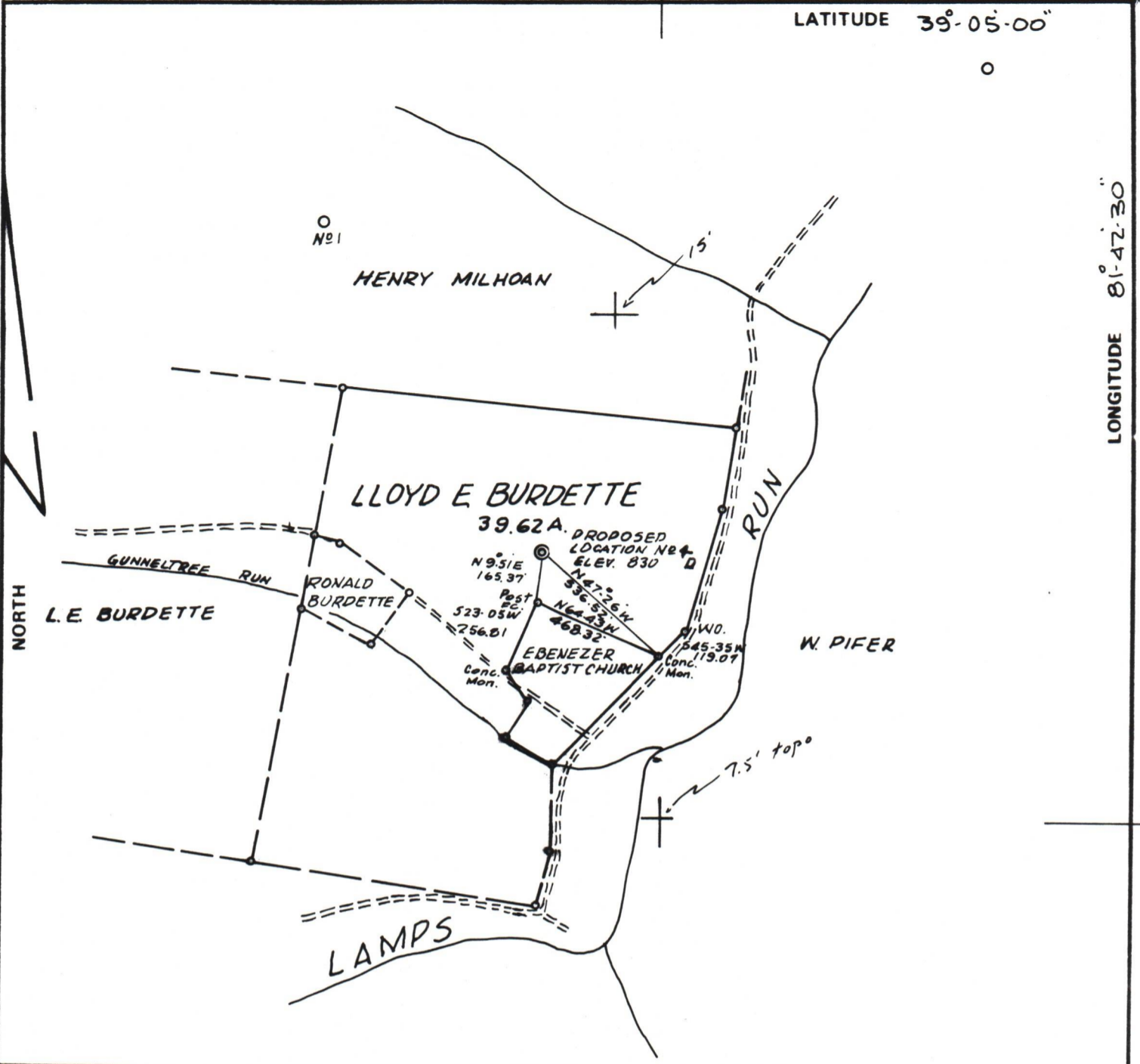
T. L. ...
Administrator-Oil & Gas Division

January 25, 1985
DATE

774 11/10/83

LATITUDE 39°-05'-00"

LONGITUDE 81°-42'-30"



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500 FT.
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION Rd. Inter. EL. 670

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) Frank E. Barker
 R.P.E. _____ L.L.S. 289

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 PLACE SEAL HERE

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



DATE JULY 18, 19 83
 OPERATOR'S WELL NO. _____
 API WELL NO. 47-035-1917
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 830 WATER SHED LAMP RUN
 DISTRICT GRANT COUNTY JACKSON
 QUADRANGLE POND CREEK
 SURFACE OWNER LLOYD E. BURDETTE ACREAGE 39.62
 OIL & GAS ROYALTY OWNER LLOYD E. BURDETTE LEASE ACREAGE 39.62
 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 DEVONIAN SHALE ESTIMATED DEPTH 4500'
 WELL OPERATOR H.D. WELLS OIL & GAS EXP. & DEV. INC. DESIGNATED AGENT SAME
 ADDRESS P.O. BOX 1785 ADDRESS _____
CHARLESTON, W. VA. 25326

09/08/2023