



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Wednesday, September 18, 2019
WELL WORK PLUGGING PERMIT
Vertical Plugging

CARNES, CLEMOTH WELL
PO BOX 3242
CHARLESTON, WV 25332

Re: Permit approval for 1
47-039-02035-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.


James A. Martin
Chief

Operator's Well Number: 1
Farm Name: CARNES, CLEMOTH R., ETAL
U.S. WELL NUMBER: 47-039-02035-00-00
Vertical Plugging
Date Issued: 9/18/2019

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

1) Date 5/6, 2019
2) Operator's Well No. #1
3) API Well No. 47-39-62035P

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil ___ / Gas / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production ___ or Underground storage ___) Deep ___ / Shallow

5) Location: Elevation 799 Watershed Jordan Creek
District Big Sandy County Kanawha Quadrangle Clendenin - pp

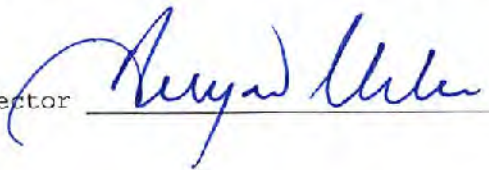
6) Well Operator Smooth Well Currier 7) Designated Agent William J. Starcher
Address PO 3242 Address 210 Vallis Dr
Charleston, WV 25332 Spencer, WV 25276

8) Oil and Gas Inspector to be notified Name Terry Urban 9) Plugging Contractor Name To be determined
Address PO Box 1207 Address _____
Clendenin, WV 25045
304.549.5415

10) Work Order: The work order for the manner of plugging this well is as follows:
see attached

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Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector  Date 8-7-19

47-039-02035P

Plugging prognosis

Pull tubing to check if it is good working string

Check TD with wireline

Run tubing and spot 100ft of cement across perfs

Cement across perfs

Displace with 6%gel

Free point and cut 4 1/2 inch casing

Spot 100ft plug across cut

Free point 7inch casing and cut

Spot 100 ft cement plug across cut

Spot 100ft plug at elevation

Spot 100ft plug from 350 to 250 feet inside 8 3/8 inch casing

Spot 100ft plug from 100ft to surface

6% gel between cement plug

Erect monument

Inspector
MAY Adjust Plug
AS PER Pipe Pulsed 3' Pipe
IN WELL

[Signature]
~~7-13-19~~
8-7-19

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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

38-30
1-7

Rotary Oil _____
Cable _____ Gas w. hole
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Quadrangle Glendenin
Permit No. Kan-2035

Company <u>Jerry L. Esch</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>Garterville, Ill.</u>				
Farm <u>Clemoth R. Carnes, et al Acres 164</u>	Size <u>20-16</u>			
Location (waters) <u>Jordan Creek</u>	Cond. <u>100'</u>			
Well No. <u>1</u> Elev <u>799.64</u> GL	<u>8 5/8"</u>	<u>40'</u>	<u>40'</u>	
District <u>Big Sandy</u> County <u>Kanawha</u>	<u>7</u>	<u>295'</u>	<u>295'</u>	
The surface of tract is owned in fee by _____	<u>5 1/2</u>	<u>1606'</u>	<u>1606'</u>	
Address _____	<u>4 1/2</u>			
Mineral rights are owned by _____	<u>3</u>			
Address _____	<u>2</u>			
Map No. _____ Plat date <u>2-4-65</u>	Liners Used			
Map No. _____ Logged <u>3-17-65</u>				
Initial open flow _____ cu. ft. _____ bbls.				
Final production <u>E 60M</u> cu. ft. per day _____ bbls.				
Well open _____ hrs. before test <u>50#</u> RP.				

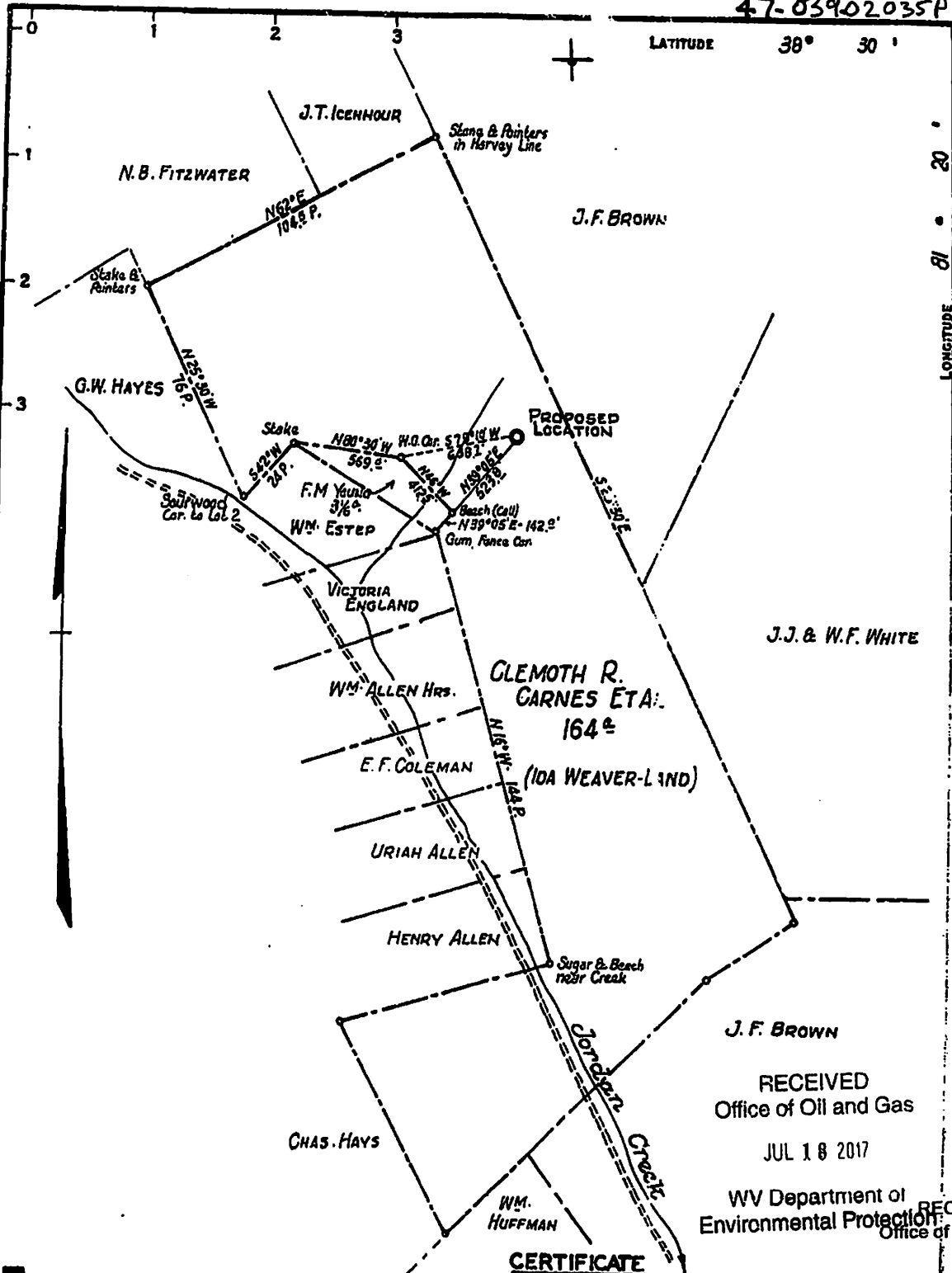
Well treatment details:
Treated 4-1-65 in Injun Sand 1756 to 1762
Plug set at 1751', Injun perforated at 1738' to 1743' 4-15-65
60,000

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Injun _____ Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Following record from United Fuel Scout Report						
Big Lime			1609	1730		RECEIVED Office of Oil and Gas JUL 18 2017 WV Department of Environmental Protection
Injun			1730	1770		
no Berea						
Total Depth				2216		
Present Operator		C. C. Dodd Oil & Gas				

* Indicates Electric Log tops in the remarks section. (over)

47-03902035P



- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

CERTIFICATE

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."
 Minimum degree of accuracy in our part is 600
 Signed [Signature]

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COMPANY JERRY L. ESCH
 ADDRESS CARTERVILLE, ILLINOIS
 NAME CLEMOTH R. GARNES ETAL
 MAP _____ ACRES 164 LEASE NO. _____
 WELL (FARE) NO. 1 SERIAL NO. 1
 ELEVATION (SPIRIT LEVEL) 799.64
 QUADRANGLE GLENDENIN-N.W.
 COUNTY KANAWHA DISTRICT BIG SANDY
 POINT OF PROVEN ELEVATION U.S.C. & G.S. BM No. G.96 - (1956)
 FILE NO. _____ DRAWING NO. _____
 DATE FEBRUARY 4, 1965 SCALE 1" = 660'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE No. KAN-2035

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS. SCALE 1 TO 43,500. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN.
 - DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

WW-4A
Revised 6-07

1) Date: 8/6/19
2) Operator's Well Number #1
3) API Well No.: 47 - 039 - 02035P

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served	5) (a) Coal Operator
(a) Name <u>Cleoth K Carnes</u>	Name <u>NONE</u>
Address _____	Address _____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
(c) Name _____	Address _____
Address _____	Name _____
Address _____	Address _____
6) Inspector <u>Terry Urban</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 1207</u>	Name _____
<u>Cleodonia WV 25725</u>	Address _____
Telephone <u>304-549-5915</u>	Address _____

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

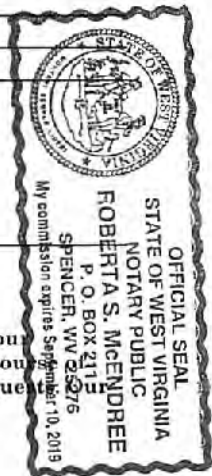
Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat 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 Chief.

Well Operator Cleoth Well Carnes
 By: William S. Starcher Agent Willie J Starcher
 Its: Agent
 Address 210 Dallas Dr. Spencer, WV 25276
 Telephone 304-927-4058

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Subscribed and sworn before me this 7th day of August 2019
Robert S. McEndree
 My Commission Expires September 10, 2019

WV Department of Environmental Protection
Notary Public



Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. The office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.gov.

SURFACE OWNER WAIVER

Operator's Well
Number #1

047-039-02035P

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, 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.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. 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 and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must 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.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

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

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

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 on those materials.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,

_____	Date _____	Name _____	_____
Signature		By	_____
		Its	_____
			Date _____
		Signature	Date _____

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Cleventh Well/Caritas (W.J. Starcher) agent OP Code _____

Watershed (HUC 10) Jordan Creek Quadrangle Cleventh

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No

Will a pit be used? Yes No

WILL USE TANKS TO CONTAIN ANY WELL EFFLUENT BEFORE DISPOSAL, JWM

If so, please describe anticipated pit waste: _____

Will a synthetic liner be used in the pit? Yes No If so, what ml.? _____

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number 2D 0392210)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Will closed loop system be used? If so, describe: _____

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. _____

-If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used in drilling medium? _____

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. _____

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-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) _____

-Landfill or offsite name/permit number? _____

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Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature William J. Starcher
Company Official (Typed Name) William J. Starcher
Company Official Title Agent



Subscribed and sworn before me this 7th day of August, 2019

Robert A. S. McEndree Notary Public

My commission expires September 10, 2019

Proposed Revegetation Treatment: Acres Disturbed 0.25 Prevegetation pH 6.5

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20

Fertilizer amount 500 lbs. lbs/acre

Mulch hay or straw Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type	lbs/acre
<u>Kentucky 31</u>	<u>50 lbs.</u>
<u>Rye</u>	<u>40 lbs.</u>

Seed Type	lbs/acre
<u>Kentucky 31</u>	<u>50 lbs.</u>

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: _____

Comments: _____

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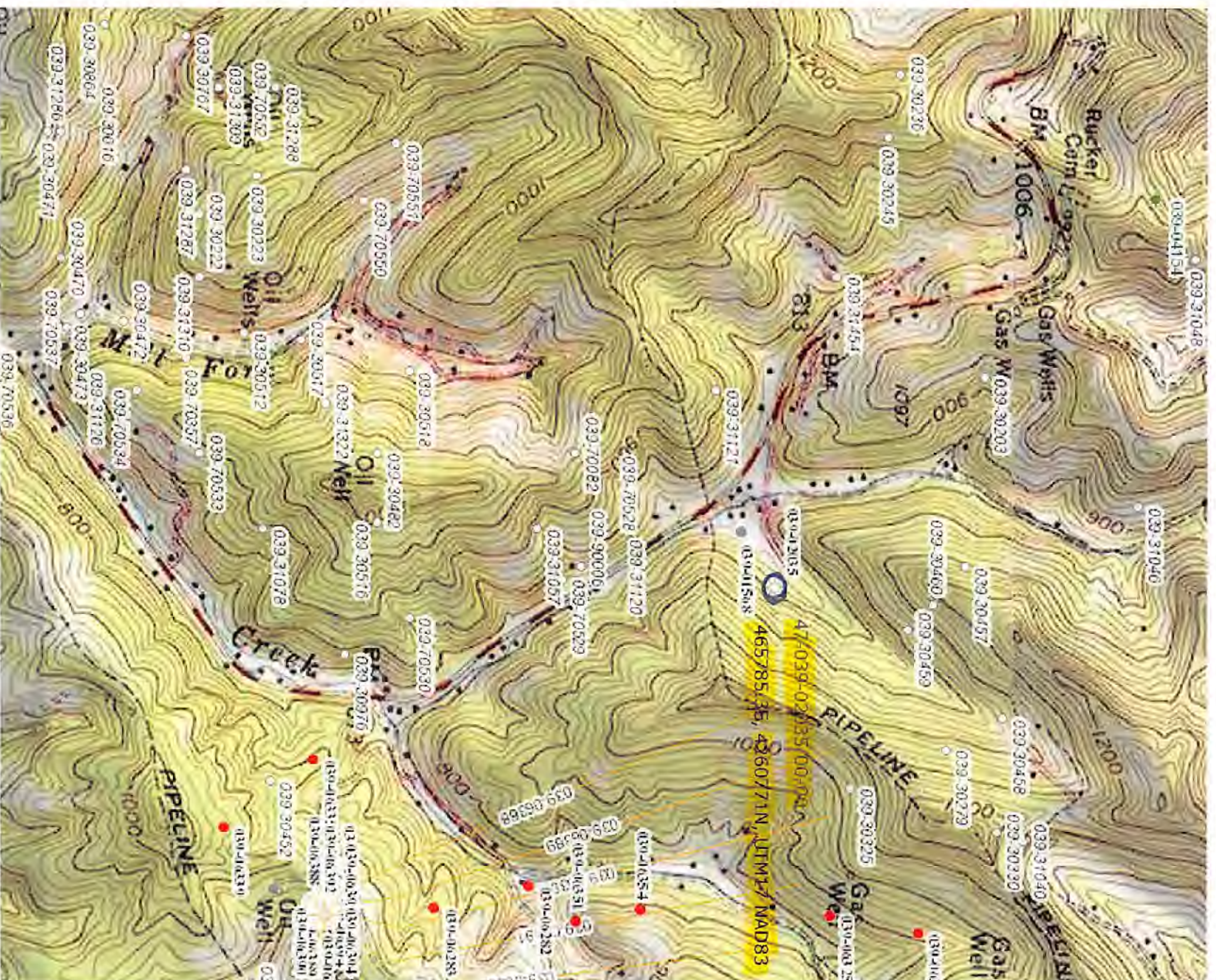
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Title: Inspector Arlene Lewis

Date: 8-7-19

Field Reviewed? () Yes () No

47-039-02035P



WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 047-039-02035 WELL NO.: 1

FARM NAME: Clemoth R. Carnes

RESPONSIBLE PARTY NAME: Clemoth Well Carnes

COUNTY: Kanawha DISTRICT: Big Sandy

QUADRANGLE: Claudeville - N. C.

SURFACE OWNER: Clemoth R. Carnes

ROYALTY OWNER: see attached

UTM GPS NORTHING: 4260771

UTM GPS EASTING: 465785.3 GPS ELEVATION: 799.64

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:
Survey grade GPS ____ : Post Processed Differential ____
Real-Time Differential ____
Mapping Grade GPS ____ : Post Processed Differential ____
Real-Time Differential

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4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data 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 Office of Oil and Gas.

William J. Starcher
Signature

Agent
Title

8/6/19
Date

3902035P

20208	Stephen J. Cavender	Both	N	0.0651%
	2 Playland Drive St. Albans, WV 25177-3440			
20219	Jeffery D. Cavender	Both	N	0.0651%
	96 Clinton Avenue St. Albans, WV 25177-			
31565	Alvin L. Engelke, Agent	Both	M	0.7813%
	444 Richardsonville Road Creston, WV 26141-			
33000	Jean M. Fagan	Both	N	1.5625%
	211 Robert Street West Mifflin, PA 15122-			
33005	William E Fagan	Both	N	1.5625%
	13948 Hemlock Drive Penn Valley, CA 95946-			
51558	Karen Lee Kosior	Both	N	0.0651%
	2643 Hilltop Drive St. Albans, WV 25177-			
53325	Judith Karen Lewis	Both	N	0.1302%
	11690 S. Ridgeway Dr. Willis, TX 77318-			
53798	Arthur C Low	Both	N	3.1250%
	165 Enfield Lane Grayslake, IL 60030-			
53805	Chitos L. Lowry	Both	M	0.0000%

3624 N.W. 64th Lane
Gainesville, FL 32653-

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53850	Sharon Jean Lucas	Both	N	0.1302%
	21 Green Spring Circle Huntington, WV 25705-			
53970	Gloria Lyons	Both	N	0.1563%
	P.O. Box 58 Moorefield, WV 26836-			
57285	Estate of Flettice A. McIntyre	Both	M	0.0000%
	4204 Thornapple Lane Charleston, WV 25313-2320			
58461	Sierra S. Miller	Both	N	0.0781%
	6819 County Road 2 Chesapeake, OH 45619-			
69733	Janice Youvonne Price	Both	N	0.1302%
	11711 S. Ridgeway Drive Willis, TX 77318-5469			
77451	Linda Gail Simmons	Both	N	0.0651%
	2201 Bellwood Drive St. Albans, WV 25177-			
80133	Edsel Y. Taylor	Both	N	0.1563%
	8732 Coal River Road St. Albans, WV 25177-7938			
80135	Eva M. Taylor	Both	N	0.1563%
	4207 Red Bud Lane Charleston, WV 25313-			
83754	Evelyn L. Hemmings or Sheila Turley	Both	N	0.7813%
	4613 Boone Trail Millers Creek, NC 28651-			

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0.1563%
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90155	James H. or Wilma L. Warner	Both	N	0.2604%
	434 Township Rd. 1234 Proctorville, OH 45669-			
90156	Merle or Opal Warner	Both	N	0.2604%
	5224 N.E. 77th Avenue Gainesville, FL 32609-1284			
90157	Jacqueline Sue Warner	Both	N	0.2604%
	2300 Monroe Avenue St. Albans, WV 25177-			
97641	Ronny Gale Young	Both	N	0.1302%
	2917 Hardwick St. Lakewood, CA 90712-			

TYPE TOTALS 12.5000%

Type Working Interest		MINERAL	STATUS	Percent W/I	PERCENT NET
99997	Cle moth Carmes #1	Both	A	100.0000%	87.5000%

Inactive Wells

<u>TYPE TOTALS</u>	100.0000%	87.5000%
<u>PROPERTY TOTALS</u>	100.0000%	100.0000%

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