State of West Virginia Department of Environmental Protection - Office of Oil and Gas Well Operator's Report of Well Work

| API 47 - 061 | _ 01684 | County Menong | alia | District Cl | ay | | | | |
|---|----------------------|--------------------------|---------------------------------|------------------------------|------------------|-----------------------------------|--------------|--|--|
| Quad Blacksville, W | / | Pad Name Coast | | Field/Pool Name | | | | | |
| Farm name Coastal Fo | orest Resource | | | _ Well Num | | | | | |
| Operator (as registered | | | Energy LLC | _ wen Num | ber | | | | |
| Address 707 Virginia | | | | State | WV | Zip <u>2</u> 530 | 1 | | |
| | | orthing 4395386.6 | d plat, profile view, ar Eas | nd deviation sting 568200 | | | | | |
| Landing Point | of Curve No | rthing 4395413.7 | Eas | sting 568049. | 2 | | | | |
| Botte | om Hole No | rthing 4397097.9 | Eas | sting 566754. | 6 | | | | |
| Elevation (ft) 1,420' | GL | Type of Well i | INew □ Existing | Туре | of Report | oInterim ≣Fin | al | | |
| Permit Type 🗆 Dev | iated 🗆 Hori | zontal # Horizon | al 6A 🗆 Vertical | Deptil | 1 Туре | □ Deep 🚪 | Shallow | | |
| Type of Operation 🗆 C | onvert 🗆 Dee | pen B Drill 🗆 | Plug Back 🗆 Redr | illing o | Rework | ≣ Stimulate | | | |
| Well Type □ Brine Dis | posal 🗆 CBM | ≣ Gas □ Oil □ Sec | ondary Recovery 🗆 S | Solution Min | ing 🗆 Stor | rage 🗆 Other _ | | | |
| Type of Completion | Single # Multip | ole Fluids Produc | ced Brine BGas | □ NGL | □ Oìl □ | Other | | | |
| Drilled with Cable | ■ Rotary | | | | | | | | |
| Drilling Media Surface Production hole Air Mud Type(s) and Addit Synthetic Based Mud for hor | ■ Mud □ F tive(s) | resh Water 🗆 Brine | | | | u Fresh Water ATE (BARITE), M-I- | | | |
| MEGADRIL P SYSTEM, MEGAI | ORIL P SYSTEM RENT | AL, MEGAMUL, SAFE-CARB | 250, VERSATHIN HF, VERSA | WET, VG-PLUS | , VINSEAL MED | DIUM, WALNUT NUT I | PLUG MED!UM | | |
| Date permit issued | 10/28/2014 | Date drilling comm | nenced 12/5/2014 | 4 Dat | e drilling ca | eased2/24 | /2015 | | |
| Date completion activiti | es began | 12/5/2015 | Date completion act | tivities cease | ed 12 | 2/20/2015 | | | |
| Verbal plugging (Y/N) | | | | | | | | | |
| Please note: Operator is | required to sub | nit a plugging applica | ation within 5 days of | verbal permi | ission to pl | ug | | | |
| Freshwater depth(s) ft | 1, | 243' | Open mine(s) (Y/N) | depths | | CEIVED | | | |
| Salt water depth(s) ft_ | 2,5 | 10' | Void(s) encountered | | ns | f Oil and G | as | | |
| Coal depth(s) ft | 600',1 | | Cavern(s) encountered | | | 1 9 2016 | | | |
| Is coal being mined in a | rea (Y/N) | N 5 D | 3 | En | WV De vironme | partment to | of ction_ | | |

02/03/2017

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|-----------------------------------|---|---|--------------------|--------------------------------|-----------------------|---------------------------|--------------|---|
| API 47- 061 | 01684 | Farm name_ | Coastal Forest | Resource | s Company v | Well number_3H | <u> </u> | |
| ASING TRINGS | | Cesing Size | | ew or Jsed | Grade wt/ft | Basket Depth(s) | | circulate (Y/ N) details below* |
| Conductor | 30 | 24 | 50 | N | N/A | N/A | Y to surface | |
| urface | 17.5 | 13 3/8 | 1,381 | N | 54.5 | N/A | + | ′ 35 bbls |
| Coal | | - 1 · · · · · · · · · · · · · · · · · · | | | | | | 711. |
| ntermediate 1 | 12.25 | 9 5/8 | 2,768 | N | 40 | N/A | Y | 12 bbls |
| ntermediate 2 | | | | | | | | *************************************** |
| ntermediate 3 | | | | | | | 1 | |
| roduction | 8.5 | 5.5 | 15,644 | N | 20 | N/A | Estima | ited top 2000' |
| ubing | | | | | ············· | | | |
| acker type and de | pth set | | | | | | | |
| CEMENT DATA | Class/Type of Cernent | Number of Sacks | Slurry wt (ppg) | Yiek (ft ³/sl | | | | WOC (hrs) |
| Conductor | 4,500 psi ready míx | 36.4 | | .75 | | | | 48 |
| urface | Class A | 1054 | 15.2 | 1.27 | 7 1,2 | 71 CT | CTS | |
| Coal | | | | | | | | |
| ntermediate 1 | Ciass A | 908 | 15.2 | 1.26 | 3 1,0 | 74 CT | s | 8 |
| ntermediate 2 | | | 1 | | | | | |
| ntermediate 3 | | ****** | | | | | | |
| roduction | 50/80 Premium NE-1.5% R-5.3% MPA 170 | 3007 | 14.5 | 1.17 | 2,6 | 61 Estimate | d 2,000' | 48 |
| lubing | *************************************** | | | | | | | |
| Plug back prod | ion penetrated Marc cedure | | | ggers TD (ug back to | | | | |
| Kick off depth Check all wirel | | _ | | _ ⊐ deviated/ I gamma ra | directional ay | □ induction □ temperature | □sonic | |
| Well cored □ | Yes 🚪 No | Conventional | Sidewall | | Were cutt | ings collected | ■Yes □ | No |
| DESCRIBE TH | E CENTRALIZE | RPLACEMENT | USED FOR E | ACH CAS | ING STRING | | A | |
| | dizers every 3rd joint or aprox 120' | or aprox 120° | | | | | | |
| Production: Hard bodi | ed spiral centralizers every of | her joint or aprox 80' from | TD to KOP then bow | spring from KOP | to 9 5/8" every forth | joint or aprox 1401 | | |
| | | | | | | P | ECEIVE | 70 |
| | OMPLETED AS S | HOT HOLE | □Yes ≣ No | DET. | AILS 46 Stage | es, 40 sh. Office | of Oil ar | nd Gas |
| WAS WELL C | | | | | | | | |
| | COMPLETED OPE | N HOLE? 🗆 Y | Yes 🖪 No | DETAI | LS | UC | T 1920 | 16 |

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API 47-061 01684

Farm name_Coastal Forest Resources Company_Well number_3H

PERFORATION RECORD

| Stage No. | Perforation date | Perforated from MD ft. | Perforated to MD ft. | Number of Perforations | Formation(s) |
|--------------|------------------|---------------------------|-------------------------|---------------------------|-----------------------|
| | *** | | | 1 | Please See Attachment |
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Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

| Stage No. | Stimulations Date | Ave Pump Rate (BPM) | Ave Treatment Pressure (PSI) | Max Breakdown Pressure (PSI) | ISIP (PSI) | Amount of Proppant (lbs) | Amount of Water (bbls) | Amount of Nitrogen/other (units) |
|--------------|----------------------|------------------------|---|---------------------------------|------------|-----------------------------|---------------------------|-------------------------------------|
| | | | | | | Please | See | Attachment |
| | | | | | | | | |
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| | | | | | | 1 | CT 102 | 916 |
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| | 1. | | | | | WV | Departm | |
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Please insert additional pages as applicable.

Environmental Protection

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|--|--------------------------------|-----------------------|----------------------------|-------------|---------------------------------------|-----------|------------|------------------------------|-------------------|
| API 47- 061 | 01684 | Farm | _{патте} Coastal F | orest Res | ources Compa | ny_Well r | ıumber | .3H | |
| PRODUCING | FORMATION | <u>(S)</u> | <u>DEPTHS</u> | | | | | | |
| Marcellus | | | 8,203.32 | TVD | 15,665' | MD | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Please insert ac | Iditional pages | as applicable. | | | - | - | | | |
| | | | E Open Flow | | OIL TEST of | Flow [| Pump | | |
| | | | | | psi | | _ | | hrs |
| OPEN FLOW | Gas | Oil | NGL | | | GAS N | ŒASU | RED BY | |
| LITHOLOGY/ FORMATION | TOP DEPTH IN FT NAME TVD | BOTTOM DEPTH IN FT | TOP DEPTH IN FT | | FT DESCRIBE | | | | |
| | 0 | TVD | MD | MD | 1 YPE OF FI | | | er, BRINE, OIL ee Attachment | ., GAS, H2S, ETC) |
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| Please insert ad | lditional pages | as applicable. | | | - | | | | |
| | ictor Pioneer 63 | | | | | | | | |
| Address 1250 N | IE Loop 410 Suite | 1000 | City | San Anton | nio | State | TX | Zip 78209 | 1 |
| Logging Comp | any Baker Hugl | nes | | | | | | | |
| Address 837 Ph | ilippi Pike | | City | Clarksburg | 3 | State | WV | Zip 26301 | |
| Comontino Co- | npany Baker H | inhes | | | | _ | | ^ | |
| Address 837 Ph | ilippi Pike | <u> </u> | City | Clarksburg | 2 | State | WV | DE 26301 | / To |
| | | | Only | | · · · · · · · · · · · · · · · · · · · | 51466 | | | VED |
| Stimulating Company Schlumberger Address 1080 US-33 City Weston | | | | | | 0 | 100/ | oo of Oll | and Gas |
| | lditional pages | as applicable. | City | Weston | | State | WV | Zip 26452 | 2016 |
| | | | | | | | 3.0 | 0 | -010 |
| Completed by | Zack Arnold | | | | _ Telephone | 304.212 | | Departr | nent of |
| Signature | | | Title G | enerai Mana | ager - Operations | <u> </u> | Wro | hmental | Protection |
| Submittal of H | ydraulic Fractu | ning Chemical l | Disclosure Info | rmation | Attach copy of | of FRACE | OCUS | Registry | - aroonoli |