06/02/2017

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

| API 47 - 103 - 02904 County Wetzel | District Magnolia |
|---|--|
| Quad New Martinsville Pad Name Smith | Field/Pool Name Mary |
| Farm name Smith, Sonny and Charlotte | Well Number #1H |
| Operator (as registered with the OOG) Stone Energy Corpora | ation |
| Address 1300 Fort Pierpont Dr Suite 201 City Morgan | ntown State WV Zip 26508 |
| As Drilled location NAD 83/UTM Attach an as-drilled pl Top hole Northing 4,388,542 | at, profile view, and deviation survey Easting 516,226 |
| Landing Point of Curve Northing 4,388,529 | Easting 515,664 |
| Bottom Hole Northing 4,389,376 | Easting 515,178 |
| Elevation (ft) 1,321 GL Type of Well Ne | ew |
| Type of Operation □ Convert □ Deepen 🥦 Drill □ Plu | g Back □ Redrilling □ Rework Stimulate |
| Well Type □ Brine Disposal □ CBM ■ Gas □ Oil □ Second | ary Recovery Solution Mining Storage Other |
| Type of Completion ■ Single □ Multiple Fluids Produced Drilled with □ Cable ■ Rotary | □ Brine □Gas □ NGL □ Oil □ Other |
| Drilling Media Surface hole ■ Air □ Mud ■ Fresh Water | Intermediate hole ■ Air □ Mud ■ Fresh Water □ Brine |
| Production hole Air Mud Fresh Water Brine | |
| Mud Type(s) and Additive(s) Saturated salt mud which includes Caustic Soda, Barite, | Lime, New-Drill, Perma-Lose HT, Xan-Plex D, X-Cide 102 |
| Soda Ash, and Sodium Chloride | |
| Date permit issued 7/31/2013 Date drilling commendonate completion activities began Not Yet Completed D | ced 11/9/2013 Date drilling ceased 7/20/2014 Date completion activities ceased Not Yet Completed |
| Verbal plugging (Y/N)N Date permission granted | |
| Please note: Operator is required to submit a plugging application | n within 5 days of verbal permission to plug timent of Environmental Protection |
| Freshwater depth(s) ftOp | pen mine(s) (Y/N) depths |
| 0.474/0!! 0! | oid(s) encountered (Y/N) depths N |
| 4.047 | vern(s) encountered (Y/N) depths N |
| Is coal being mined in area (Y/N) N | Reviewed by: |

WR-35

Rev. 8/23/13

| API 47- 103 | _ 02904 | Farm n | ame_Smith, S | Sonny and (| CharlotteW | ell number <u>#1</u> | H |
|-------------------|--------------|-----------------|------------------|----------------|----------------|----------------------|--|
| CASING STRINGS | Hole Size | Casing Size | Depth | New or Used | Grade wt/ft | Basket Depth(s) | Did cement circulate (Y/ N) * Provide details below* |
| Conductor | 24" | 20" | 94' | New | LS - 94.1 ppf | | N - GTS |
| Surface | 17.5" | 13.375" | 1,300' | New | J55 - 54.5 ppf | 121' & 203' | Y - CTS |
| Coal | 17.5" | 13.375" | 1,300 | New | J55 - 36 ppf | 121' & 203' | Y - CTS |
| Intermediate 1 | 12.25" | 9.625" | 2,579' | New | J55 - 36 ppf | | Y - CTS |
| Intermediate 2 | | | | | | | |
| Intermediate 3 | | <u> </u> | | | | | |
| Production | 8.75* | 5.5" | 11,032' | New | P110 - 20 ppf | | N - TOC @ 1,682' Calculated |
| Tubing | | | | | | | - ' |
| Packer type and d | epth set | TAM CAP Inflata | ble Packer on 9. | 625" Casing @ |) 1,199' | | |

Comment Details Circulated 30 bbls cement to surface on 13.375" casing string. Circulated 13 bbls cement to surface on the 9.625" casing string. Did not circulate any cement to surface on the 5.5" casing string. TOC on 5.5" calculated to be 1,682'.

| CEMENT DATA | Class/Type of Cement | Number of Sacks | Slurry wt (ppg) | Yield (ft ³/sks) | Volume (ft ²) | Cement Top (MD) | WOC (hrs) |
|----------------|-------------------------------|--------------------|---------------------|----------------------|------------------------------|--------------------|--------------|
| Conductor | Type 1 | 34 | 15.6 | 1.18 | 40 | Surface | 24.0 |
| Surface | Class "A" | 958 | 15.6 | 1.20 | 1,150 | Surface | 8.0 |
| Coal | Class "A" | 958 | 15.6 | 1.20 | 1,150 | Surface | 8.0 |
| Intermediate I | Lead-Flex Seal Tail-Class "A" | Lead-547 Tail-324 | Lead-15.4 Tail 15.6 | Lead-1.28 Tail-1.19 | Lead-700 Tail-386 | Surface | 12.0 |
| Intermediate 2 | | | | | | | |
| Intermediate 3 | | | | | | | |
| Production | VariCem | 1,970 | 15.2 | 1.2 | 2,364 | 1,682' Calculated | 7.0 |
| Tubing | | | | | | | |

| Drillers TD (ft) 11,041 MD / 6,700 TV | D | | Loggers TD (ft) N/A Plug back to (ft) | | | | | | |
|---|----------------------------|------------------------------|--|-----------------------------|---|--|--|--|--|
| Deepest formation penetrated M | arcellus Shale | | | | | | | | |
| Plug back procedure | | | · | | | | | | |
| Kick off depth (ft) 5,922 MD / 5,875 T | VD | | _ | | | | | | |
| Check all wireline logs run | neck all wireline logs run | | ■ deviated/directional ■ gamma ray | □ induction □ temperature | □sonic | | | | |
| Well cored □ Yes ■ No | Convention | nal Sidewa | II Were cu | ttings collected | Yes 🗆 No | | | | |
| DESCRIBE THE CENTRALIZ. joints 21, 24, 27 and 29. Intermediate casing had bow spr | | | | Surface casing had be | ow spring centralizers placed on | | | | |
| Production casing had rigid spiral centralizers pla | | nt beginning with joint 1 to | joint 196. Ran a total of 50 rigid spira | centralizers. Ran bow sprir | ng centralizers from joint 204 to joint 252 | | | | |
| on every eighth joint. A total of 7 bow spring cer | tralizers were run. | | <u> </u> | | | | | | |
| WAS WELL COMPLETED AS | SHOT HOLE | □ Yes 🛔 N | Jo DETAILS | | | | | | |
| WAS WELL COMPLETED OP | EN HOLE? | □ Yes ■ No | DETAILS | | | | | | |
| WERE TRACERS USED | es 🖪 No | TYPE OF TRA | ACER(S) USED | | | | | | |

| API 47- 103 _ 02904 | Farm name_Smith, Sonny and Charlotte | Well number_#1H |
|---------------------|---------------------------------------|-----------------|
| API 47- 103 - 02904 | Farm name Striker, Sorry and Chanotte | Well number |

PERFORATION RECORD

| Stage No. | Perforation date | Perforated from MD ft. | Perforated to MD ft. | Number of Perforations | Formation(s) |
|--------------|------------------|---------------------------|----------------------|---------------------------|--------------|
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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 (PS1) | Max Breakdown Pressure (PS1) | ISIP (PSI) | Amount of Proppant (lbs) | Amount of Water (bbls) | Amount of Nitrogen/other (units) |
|--------------|----------------------|------------------------|---------------------------------|---------------------------------|------------|-----------------------------|---------------------------|---|
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Please insert additional pages as applicable.

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|-----------------------|---|-----------------------|-----------------|-------------|------------|-----------------|-----------|-------------|-------|-----------|-------------------|
| API 47- 103 | 02904 | Farm | name_Smith | n, Sonny | and C | harlotte | Well r | number_# | 1H | | |
| RODUCING | FORMATION(| (2) | <u>DEPTHS</u> | | | | | | | | |
| | | 21 - | DLI III5 | | | | | | | | |
| Not Yet Comple | ted | | | TVI | , | | MD | | | | |
| | | | | | - | | | | | | |
| | | | | | _ | | _ | | | | |
| 79 | | | _ | | - | | | | | | |
| lease insert ad | ditional pages a | s applicable. | | | | | | | | | |
| GAS TEST | □ Build up □ | Drawdown | □ Open Flo | ow | OI | L TEST 🗆 I | Flow [| Pump | | | |
| HUT-IN PRE | SSURE Surf | ace | _psi B | ottom Hol | e | psi | DURAT | TION OF | TES | Т | hrs |
| OPEN FLOW | Gas | Oil | NG | a. | W | ater | GASI | 1EASUR | ED E | v | |
| Living | | fpd l | | | | bpd | | nated [| | | □ Pilot |
| | | | | | | | | | | | |
| ITHOLOGY/ ORMATION | TOP DEPTH IN FT | BOTTOM DEPTH IN FT | TOP DEPTH IN | | TOM | DESCRIBE I | DOCK TVI | DE AND DE | COD | D OLIANI | FITVAND |
| OKWATION | NAME TVD | TVD | MD | | 1D | | | | | | GAS, H_2S , ETC |
| | 0 | | 0 | | | 1112 0112 | OID (TILE | on with the | , Dra | , D, OIL, | 0/10,1120,111 |
| ee Attached Sheet | | | | | | | | | | | |
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| lease insert ad | ditional pages a | s applicable. | - | | | | | | | | |
| willian Contra | ctor Nomac (top | n-hole) & Sayon | Drilling (hor | izontal) | | | | | | | |
| | lartins Branch Rd | | | | Morris / | The Woodland | ls State | PA / TX | 7in | 25312/ | 77381 |
| | | | | nty | | 7110 1100010110 | State | | Zip | | ,,,,,, |
| | any Scientific D | | mberger | | | | | | | | |
| ddress 124 Vis | sta Drive / 1178 US | 6 HWY 33 East | C | ity Charle | eroi / Wes | ston | _ State | PA / WV | Zip | 15022 / | 26452 |
| 'amantina Can | npany Schlumb | erger | | | | | | | | | |
| ddress 1178 U | | cigei | 0 | ity Westo | n | | State | WV | 7in | 26452 | |
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| timulating Co | mpany | | | | | | | | | | |
| ddress | | | C | ity | | | _ State | | Zip | | |
| lease insert ad | ditional pages a | s applicable. | | | | | | | | | |
| completed by | Greg Zofchak | | | | | Telephone | 304-225 | -1600 | | | |
| ignature | 9 1 | 3/11/ | Title | Drilling Er | ngineer | retephone | | Date 2/14 | /17 | | |
| | My 1 | | | | | | | | | | _ |

Smith #1H API 47-103-02904 Stone Energy Corporation

Horizontal

| | Тор | Top | ' | Bottom (ft | Bottom | |
|------------------------|----------|---------|---|------------|------------------------|--|
| | (ft TVD) | (ft MD) | • | TVD) | (ft MD) | |
| Sandstone & Shale | Surface | | * | 1,017 | FW @ 100 | |
| Coal | 1,017 | | * | 1,020 | | |
| Sandstone & Shale | 1,020 | | * | 2,163 | | |
| Little Lime | 2,163 | | * | 2,193 | SW w/ Oil Show @ 2,174 | |
| Big Lime | 2,193 | | * | 2,293 | | |
| Big Injun | 2,293 | | * | 2,393 | | |
| Sandstone & Shale | 2,393 | | * | 2,762 | | |
| Berea Sandstone | 2,762 | | * | 2,795 | | |
| Shale | 2,795 | | * | 2,986 | | |
| Gordon | 2,983 | | * | 3,033 | | |
| Undiff Devonian Shale | 3,033 | | * | 5,694 | 5,741 | |
| Rhinestreet | 5,694 | 5,741 | ~ | 6,476 | 6,680 | |
| Cashaqua | 6,476 | 6,680 | ~ | 6,613 | 7,007 | |
| Middlesex | 6,613 | 7,007 | ~ | 6,636 | 7,054 | |
| West River | 6,636 | 7,054 | ~ | 6,686 | 7,214 | |
| Geneseo | 6,686 | 7,214 | ~ | 6,702 | 7,263 | |
| Tully Limestone | 6,702 | 7,263 | ~ | 6,735 | 7,384 | |
| Hamilton Shale | 6,735 | 7,384 | ~ | 6,769 | 7,532 | |
| Marcellus | 6,769 | 7,532 | ~ | 6,700 | 11,041 | |
| TD | | | | 6,700 | 11,041 | |

^{*} From Pilot Hole Log and Driller's Log

[~] From MWD Gamma Log