

WR-35 Rev. 8/23/13



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

| API <u>47</u> 015 _ 02893 | County Clay | | District_ | Jnion | | | | | |
|--|---------------------------|--|-------------------------|--------------|-----------------|---------------|--|--|--|
| Quad Elkhurst | Pad Name | | Field/Pool Name Rouzer | | | | | | |
| Farm name Bettie Bell | | | | _ | | | | | |
| Operator (as registered with the OOC | Rouzer Oil Comp | oany | | | | | | | |
| Address P. O. Box 987 | | encer | State | WV | Zip | 25276 | | | |
| As Drilled location NAD 83/UTM Top hole | Northing 4,256,025.739 | | Easting 482,8 | 12.665 | | | | | |
| Landing Point of Curve Bottom Hole | Northing N/A Northing N/A | | Easting N/A Easting N/A | | | | | | |
| Bottom Hole | Northing North | | Easting WA | | | | | | |
| Elevation (ft) 1056 GL | Type of Well | ■New □ Existing | Туре | e of Report | □Interim | ≣Final | | | |
| Permit Type Deviated I | Horizontal Horizo | ntal 6A 🛔 Vertic | al Dep | th Type | □ Deep | Shallow | | | |
| Type of Operation □ Convert □ | Deepen 🖪 Drill | □ Plug Back □ F | dedrilling [| Rework | ≜ Stimul | ate | | | |
| Well Type ☐ Brine Disposal ☐ CB | M ■ Gas ■ Oil □ Se | condary Recovery | □ Solution Mi | ning Sto | orage 🗆 (| Other | | | |
| Type of Completion ■ Single □ M | ultiple Fluids Prod | uced 🗆 Brine 🖂 | Gas □ NGL | ■ Oil | □ Other | | | | |
| Drilled with □ Cable ■ Rotary | and production | acca d Dime | | 2011 | - other | | | | |
| Drilling Media Surface hole ■ A Production hole ■ Air □ Mud Mud Type(s) and Additive(s) | | | | | | Water □ Brine | | | |
| Date permit issued9/5/2013 Date completion activities began | | menced5/22/2Date completion | | | | | | | |
| Verbal plugging (Y/N)N | Date permission grante | ed | Grante | ed by | | | | | |
| Please note: Operator is required to Freshwater depth(s) ft Note | submit a plugging applic | Open mine(s) (Y) Void(s) encounte Cavern(s) encour | of verbal perr | nission to p | lug N | | | | |
| rreshwater depth(s) it | determined 00 | Void(s) | red (V/N) don | othe | N | 1 | | | |
| Sait water depth(s) it | 50, & 335 | Cavern(s) encour | itered (Y/N) dep | epths | | N | | | |
| Is coal being mined in area (Y/N) | | | | | | | | | |
| A STATE OF THE PARTY OF THE PAR | | | | | Revi | iewed by: | | | |

| API 47- 015 | 02893 | Farm na | ame_Bettie Be | ell | | Wel | l number <u>8</u> | | _ · |
|-----------------------------|---|------------------|-------------------------|----------------|---------------------|------------------------------|-------------------------|--------------|------------------------------|
| CASING STRINGS | Hole Size | Casing Size | Depth | New or Used | Grade wt/ft | | Basket Depth(s) | | nent circulate (Y/ N) |
| Conductor | | 13" | 10' | New | | | | 1.0. | de details below |
| Surface | 12.25" | 9-5/8" | 378' | New | 26 lb. | | None | | Y |
| Coal | | | | | | | | | |
| Intermediate 1 | 8.75" | 7" | 1,480' | New | 1 | 7 lb. | None | _ | Y |
| Intermediate 2 | | | | | 1 | | | | |
| Intermediate 3 | | | | | | | | <u> </u> | |
| Production | 6.5" | 4.5" | 2,034' | New | 10 | 0.5 lb. | None | | |
| Tubing | | | | | | | | | |
| Packer type and d | lepth set | | | ·! | | | | 1 | |
| Comment Details | | | | | | | | | |
| CEMENT DATA Conductor | Class/Type of Cement | Numbe of Sack | | | Yield ì ³/sks) | Volume (ft ¹) | Ceme Top (M | | WOC (hrs) |
| Surface | Type 1 | 145 | 15.6 | 3 | 1.18 | 171.1 | Surfa | Surface | |
| Coal | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | | 1 | Cana | | 8 |
| Intermediate 1 | Type 1 | 225 | 14.8 | 3 | 1,4 | 315 | Surfac | Ce | 8 |
| Intermediate 2 | 71-1 | | | | | | | | |
| Intermediate 3 | | | | | | | | | |
| Production | 50/50 Poz Cemen | t 65 | 14,2 | 2 | 1.29 | 83.9 1, | | 5' | |
| Tubing | | | | | | | | | |
| = | t) 2,080 ation penetrated Biocedure | | | | | 63 (2,021 after c | ementing 4.5" string |) | |
| Kick off depth | | □ caliper | □ density □ resistivity | | ed/directi a ray | | nduction emperature | □soni | c |
| Well cored | Yes B No | Convention | onal Sidev | wall | W | ere cuttings | collected | Yes I | ■ No |
| DESCRIBE T | HE CENTRALIZ | ER PLACEMI | ENT USED FO | R EACH C | ASING S | TRING _ce | entralizer placed at ea | ach bottom | four collars of 4.5" string. |
| | COMPLETED AS | | | | | | | | |
| WAS WELL | COMPLETED OP | EN HOLE? | □ Yes ■ N | lo DET | AILS _ | | | | |
| WERE TRAC | ERS USED _ Y | es 🖪 No | TYPE OF T | RACER(S) | USED _ | | | | |

| API 47-01 | 15 _ 02893 | Farm name Bettie Bell | Well number 8 |
|-----------|------------|-----------------------|---------------|
|-----------|------------|-----------------------|---------------|

PERFORATION RECORD

| Stage No. | Perforation date | Perforated from MD ft. | Perforated to MD ft. | Number of Perforations | Formation(s) |
|--------------|------------------|------------------------|----------------------|---------------------------|----------------|
| 1 | 7/3/2014 | 1930 | 1944 | 56 | Big Injun Sand |
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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) |
|--------------|----------------------|------------------------|---------------------------------|---------------------------------|------------|--|---------------------------|----------------------------------|
| 1 | 7/7/14 | 16.2 | 1,557 | 1,049 | 1,397 | 83,600 | 850 | N/A |
| | | | | | | | | |
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Please insert additional pages as applicable.

| API 47- 015 | _ 02893 | Farm | _{name} Bettie Be | | Well number_8 | | | | | | |
|--|--------------------------------|------------------------------|---------------------------|-----------|---------------|------------|----------|----------------|-----------------|----------------|-------------|
| | | | <u>DEPTHS</u> 1,900' TVD | | 1,9 | 1,900' M | | | | | |
| | | _ | | _ | _ | | | | | | |
| Please insert ac | Iditional pages a | s applicable. | | - | _ | | | | | | |
| GAS TEST | □ Build up □ | Drawdown | ■ Open Flow | | OIL | TEST A | Flow [| Pump | | | |
| SHUT-IN PRE | SSURE Surf | ace 85 | psi Botto | m Hole_ | | psi | DURAT | TION O | F TES | T 48 | hrs |
| OPEN FLOW | Gas 20 mcf | Oil pd 0 | NGL bpd 0 | bpd | Wa 0 | ater bpd | GAS M | MEASU nated | RED B □ Orif | SY fice □ P | ilot |
| LITHOLOGY/ FORMATION | TOP DEPTH IN FT NAME TVD | BOTTOM DEPTH IN FT TVD | ТОР | вотто | М | DESCRIBE | ROCK TYI | PE AND | RECORI | D QUANTIT | |
| see attached pg. | 0 | | 0 | | | | 75.55 | | | ,, | 5,1125,215) |
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| Dlagga incart as | Iditional pages a | es applicable | | | | | | | | | |
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| Address 11565 | State Route 676 | iiiig | City | Vincent | | | State | ОН | Zip | 45784 | |
| | | norgy Convices | | | | | | | | | |
| Address 500 W | any Precision E | nergy Services | City | Fort Wort | h | | State | TX | Zip | 76126 | |
| | | 1. W-II Oi | | | | | | | | | |
| Cementing Co | mpany Universa Run Road | vveii Services | City | Buckhani | - non | | State | WV | Zin | 26201 | |
| | | ! \\\-!! \\\-!!- | | | | | | - | | | |
| Stimulating Co Address 2489 E | inputity | sal Well Servic | City | Wooster | _ | | State | ОН | Zin | 44691 | |
| p la | lditional pages a | as applicable. | | - | | | | 7 | | - | |
| Completed by | , J. B. Hildreth | | | | | Telephone | 304.927 | .4574 | | | |
| Signature | my Nr. | Ann | Title P | resident | _ | Telephone | | Date C | ctober ' | 15, 2014 | |
| L | / | | | | | | CDD 1 C | 200112 | D | | |
| Submittal of H | ydraulic Fractur | ing Chemical | Disclosure Info | rmation | A | ttach copy | of FRACI | OCUS | Regist | ry | |

| Formation | Depth (ft.) |
|----------------|-------------|
| Shale & sand | 0 – 30 |
| Sand | 30 – 120 |
| Coal | 120 - 125 |
| Shale | 125 - 140 |
| Sand | 140 – 160 |
| Shale | 160 – 170 |
| Sand | 170 – 175 |
| Shale | 175 - 180 |
| Sand | 180 - 250 |
| Coal | 250 - 260 |
| Shale | 260 - 275 |
| Sand | 275 - 335 |
| Coal | 335 - 340 |
| Sand | 340 - 380 |
| Shale | 380 - 650 |
| Sand | 650 – 680 |
| Shale | 680 – 740 |
| Sand | 740 – 800 |
| Shale | 800 - 1100 |
| Salt Sand | 1100 - 1434 |
| Shale | 1434 – 1474 |
| Red rock | 1474 – 1494 |
| Shale | 1494– 1640 |
| Maxon Sand | 1640 – 1695 |
| Little Lime | 1695 – 1760 |
| Big Lime | 1760 – 1870 |
| Keener Sand | 1870 - 1900 |
| Big Injun Sand | 1900 – 1950 |
| Red Rock | 1950 - 2060 |
| | |