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

| API 47 - 085 - 10107 County Ritchie | Dis | trict Ellenboro | | | |
|---|---------------------------------|--|--|--|--|
| Quad Pennsboro Pad Name PEN | 20 Fie | Field/Pool Name N/A | | | |
| Farm name Lawrence & Angela Cokeley | We | ell Number PEN 2 | 0KHS | | |
| Operator (as registered with the OOG) Noble Energy, Ir | nc. | | | | |
| Address 1000 Noble Energy Drive City Car | nonsburg | State PA | 15317 | | |
| As Drilled location NAD 83/UTM Attach an as-drilled Top hole Northing as drilled plat to be s Landing Point of Curve Northing Bottom Hole Northing | the well. Easting | eviation survey | | | |
| Elevation (ft) 1081 GL Type of Well | New □ Existing | Type of Report II | nterim □Final | | |
| Permit Type □ Deviated □ Horizontal ■ Horizont | al 6A 🛭 Vertical | Depth Type \Box | Deep Shallow | | |
| Type of Operation □ Convert □ Deepen ■ Drill □ | Plug Back Redrillin | g 🗆 Rework 🗆 S | Stimulate | | |
| Well Type □ Brine Disposal □ CBM ■ Gas □ Oil □ Second | ondary Recovery | ion Mining Storag | e 🗆 Other | | |
| Type of Completion □ Single □ Multiple Fluids Product Drilled with □ Cable ■ Rotary | ced □ Brine □Gas □ | ı NGL □ Oil □ O | Other | | |
| Drilling Media Surface hole ■ Air □ Mud □ Fresh Water □ Brine Mud Type(s) and Additive(s) | | : ■ Air □ Mud □ | Fresh Water Brine | | |
| Date permit issued 08/05/2014 Date drilling comm Date completion activities began Not completed Verbal plugging (Y/N) Date permission granted | nenced Date completion activiti | Date drilling ceas ies ceased r Granted by C | HECEIVED Gas Office of Oil and Gas JAN 17 2017 | | |
| Please note: Operator is required to submit a plugging application | ation within 5 days of verb | pal permission to plug | WV Department of WV Department of Protection | | |
| Freshwater depth(s) ft398' | Open mine(s) (Y/N) dept | ths | METO. | | |
| Salt water depth(s) ft none noted for offsets | Void(s) encountered (Y/ | N) depths | N | | |
| Is collected the Indiana Soft DATE: 1/30/2017 | Cavern(s) encountered (| Y/N) depths | N Reviewed by: 02/03/2017 | | |
| DAIL: 1/30/97 | | | | | |

| Kick off depth (ft) | | | | |
|-----------------------------|---------------------|-------------------|------------------------------------|--|
| Check all wireline logs run | □ caliper □ neutron | | □ deviated/directional □ gamma ray | _ |
| Well cored □ Yes □ No | Convention | nal Sidewa | all Were cu | uttings collected \square Yes \square No |
| DESCRIBE THE CENTRALIZ | ER PLACEME | NT USED FOR | EACH CASING STRIN | G |
| | | | . | |
| WAS WELL COMPLETED A | | | | RECEIVE and Gas |
| WAS WELL COMPLETED O | PEN HOLE? | □ Yes ■ No | DETAILS | JAN 1 7 com |
| WERE TRACERS USED | Yes ■ No | TYPE OF TR | ACER(S) USED | WV Department of Protection |

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| LUEC | 01 |

API 47- 085 _ 10107

Farm name_Lawrence & Angela Cokeley_Well number_PEN 20KHS

PERFORATION RECORD

| Stage No. | Perforation date | Perforated from MD ft | Perforated to MD ft. | Number of Perforations | Formation(s) |
|------------------|-------------------|--------------------------|----------------------|---------------------------|--------------|
| | well not complete | | | | |
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Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

| Stage | Stimulations | Ave Pump | Ave Treatment Pressure (PSI) | Max Breakdown Pressure (PSI) | ISIP (PSI) | Amount of Proppant (lbs) | Amount of Water (bbls) | Amount of Nitrogen/other (units) |
|--------|-----------------|------------------|---|---------------------------------|------------|-----------------------------|------------------------|-------------------------------------|
| No. | Date | Rate (BPM) | riessuic (r.s.i) | r lessure (131) | ISII (ISI) | 1 toppant (103) | Water (DDB) | THEOGON OTHER (MILLS) |
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| 8 | | | · | | | 04 | ine of Oi | vED and Gas |
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| | | | · - · - · - · · · · · · · · · · · · | | | 1 | NV Depa | rtment of |
| Please | insert addition | onal pages as ap | pplicable. | | • | En | vironmen | rtment of tal Protoction |

| WK-35 Rev. 8/23/13 | | | | | | | | rage oi |
|---|------------------------|------------------------|--------------------------|-------------------|--------------|------------------------|------------|---------------------------------|
| API 47- 085 - 101 | 07 | Farm | _{name} Lawren | ice & Ar | ngela Cokele | Well number | PEN 201 | KHS |
| PRODUCING FORM | ATION(S) | - | <u>DEPTHS</u> | TVD | | MD | | |
| | | | | | | | | |
| Please insert additiona | l pages as | applicable. | | | | | | |
| GAS TEST □ Buil | dup □I | Orawdown | □ Open Flow | | OIL TEST | Flow Pump | ı | |
| SHUT-IN PRESSURE | Surfac | ce | _psi Botto | om Hole | psi | DURATION (| OF TEST _ | hrs |
| OPEN FLOW Gas | | Oil d | NGL bpd | | | GAS MEASU □ Estimated | | □ Pilot |
| FORMATION DEPT | OP H IN FT E TVD | BOTTOM DEPTH IN FT TVD | TOP DEPTH IN FT MD | BOTTO: DEPTH IN | FT DESCRIBE | ROCK TYPE AND | | ANTITYAND IL, GAS, H₂S, ETC) |
| | 0 | | 0 | | | | | |
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| Please insert additiona | | | | | | | | |
| Drilling Contractor Li Address 415 Benedur | ghtning E n Drive | nergy Serv | ices - set cond | ductor Bridgep | ort ` | State WV | Zip_263 | 30 |
| Logging Company Address | | | | | | State | Zip | |
| Cementing Company | | | | | | | | |
| Address | | | City | | - | State | Zip | |
| Stimulating Company Address | | _ | City | | _ | State | Zip | |
| Please insert additiona | l pages as | | | | | | | |
| Completed by Dee | Swiger | | | | Telephon | e 724-820-306 | 1 | |
| Signature | Duig | jen | Title _F | Regulatory | Analyst, III | Date | 01/09/2017 | |