

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

API 47 - 001 - 03350H6A County Barbour District Philippi
Quad Audra Pad Name AUD7HS Field/Pool Name Audra
Farm name MURPHY, BRIAN E. & LISA L. Well Number AUD7GHS
Operator (as registered with the OOG) CNX Gas Company LLC
Address P.O. Box 1248 City Jane Lew State WV Zip 26378

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4,330,894.81 m Easting 579,245.10 m
Landing Point of Curve Northing 4,330,754.02 m Easting 579,807.15 m
Bottom Hole Northing 4,329,381.34 m Easting 581,087.86 m

Elevation (ft) 1568' GL Type of Well New Existing Type of Report Interim Final
Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____
Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other _____
Drilled with Cable Rotary

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)
N/A (Production hole has not been drilled.)

Date permit issued 10/24/2014 Date drilling commenced 01/10/2015 Date drilling ceased N/A (Drilling has not been completed.)
Date completion activities began N/A (Completion has not begun.) Date completion activities ceased N/A
Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 160', 635', 725', 730' Open mine(s) (Y/N) depths Y
Salt water depth(s) ft 1870' Void(s) encountered (Y/N) depths 328'-336'
Coal depth(s) ft 320', 635', 725', 730' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) Y

Reviewed by:

APPROVED

NAME: [Signature]
DATE: 1-4-17

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DEC 28 2016

WV Department of
Environmental Protection

01/13/2017

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| CASING STRINGS | Hole Size | Casing Size | Depth | New or Used | Grade w/ft | Basket Depth(s) | Did cement circulate (Y/N) * Provide details below* |
|---------------------------|-----------|------------------|--------------|-------------|---------------------|-----------------|--|
| Conductor | 42" | 30" | 74' | N | L.S. 120# / 74' | N/A | N (grout) |
| Surface | 26" | 20" | 415.8' | N | J-55 94# / 415.8' | 332' | Y |
| Coal | 17 1/2" | 13 3/8" | 815.8' | N | J-55 64.5# / 815.8' | N/A | N (grout) |
| Intermediate 1 | 12 3/8" | 9 5/8" | 2164' | N | J-55 36# / 2164' | N/A | Y |
| Intermediate 2 | - | - | - | - | - | - | - |
| Intermediate 3 | - | - | - | - | - | - | - |
| Production | N/A | (Production hole | has not been | drilled.) | - | - | - |
| Tubing | N/A | (Tubing has not | been run.) | - | - | - | - |
| Packer type and depth set | | None | | | | | |

Comment Details _____

| CEMENT DATA | Class/Type of Cement | Number of Sacks | Slurry wt (ppg) | Yield (ft ³ /sks) | Volume (ft ³) | Cement Top (MD) | WOC (hrs) |
|----------------|----------------------|------------------|-----------------|------------------------------|---------------------------|-----------------|-----------|
| Conductor | Class A | 675 | 15.60 | 1.22 | 820 | 0' | 24 |
| Surface | Class A | 562 / 95 | 15.60 | 1.18 | 663 | Surface | 8 |
| Coal | Class A | 749 | 15.60 | 1.20 | 898 | Surface | 8 |
| Intermediate 1 | Class A | 728 | 15.60 | 1.22 | 842 | Surface | 8 |
| Intermediate 2 | - | - | - | - | - | - | - |
| Intermediate 3 | - | - | - | - | - | - | - |
| Production | N/A | (Production hole | has not been | drilled.) | - | - | - |
| Tubing | N/A | (Tubing has not | been run.) | - | - | - | - |

Drillers TD (ft) N/A (Drilling has not been completed.) Loggers TD (ft) N/A (Drilling has not been completed.)
 Deepest formation penetrated N/A (Drilling has not been completed.) Plug back to (ft) N/A (Drilling has not been completed.)
 Plug back procedure N/A (Drilling has not been completed.)

Kick off depth (ft) N/A (Drilling has not been completed.)

Check all wireline logs run caliper density deviated/directional induction
 neutron resistivity gamma ray temperature sonic

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING Conductor - No centralizers used.
Frash Water - Bow spring centralizers on first joint then every fourth joint to 100 feet from surface.
Coal - Bow spring centralizers on first joint then every fourth joint to 100 feet from surface.
Intermediate - Bow spring centralizers one on the first two joints and every fourth joint until inside surface casing.

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS N/A (Well has not been completed.)

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS N/A (Well has not been completed.)

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED N/A (Well has not been completed.)

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| PRODUCING FORMATION(S) | DEPTHS | |
|------------------------------------|-----------|----------|
| N/A (Well has not been completed.) | _____ TVD | _____ MD |
| No producing formation(s) | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface N/A psi Bottom Hole N/A psi DURATION OF TEST N/A hrs

OPEN FLOW Gas N/A mcfpd Oil N/A bpd NGL N/A bpd Water N/A bpd GAS MEASURED BY Estimated Orifice Pilot

| LITHOLOGY/ FORMATION | TOP DEPTH IN FT NAME TVD | BOTTOM DEPTH IN FT TVD | TOP DEPTH IN FT MD | BOTTOM DEPTH IN FT MD | DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC) |
|-------------------------|--------------------------------|------------------------------|--------------------------|-----------------------------|--|
| FILL | 0 | 10 | 0 | | |
| SAND/SHALE | 10 | 135 | | | Gray |
| SAND/SHALE | 140 | 320 | | | White / Light Gray |
| COAL | 320 | 440 | | | White / Tan |
| SAND/SHALE | 440 | 600 | | | White / Medium Gray |
| SAND/SHALE/COAL | 600 | 640 | | | Gray |
| SHALE | 640 | 713 | | | Black |
| SAND/SHALE/COAL | 713 | 1167 | | | Gray |
| LITTLE LIME | 1167 | 1234 | | | |
| BIG LIME | 1234 | 1308 | | | |
| KEENER | 1308 | 1367 | | | |
| BIG INJUN SAND | 1395 | 1447 | | | |
| GANTZ | 1600 | 1674 | | | |
| FIFTH SAND | 2114 | | | | |

Please insert additional pages as applicable.

Drilling Contractor Yost
Address 313 Steel Hill Road City Mt. Morris State PA Zip 15349

Logging Company _____
Address _____ City _____ State _____ Zip _____

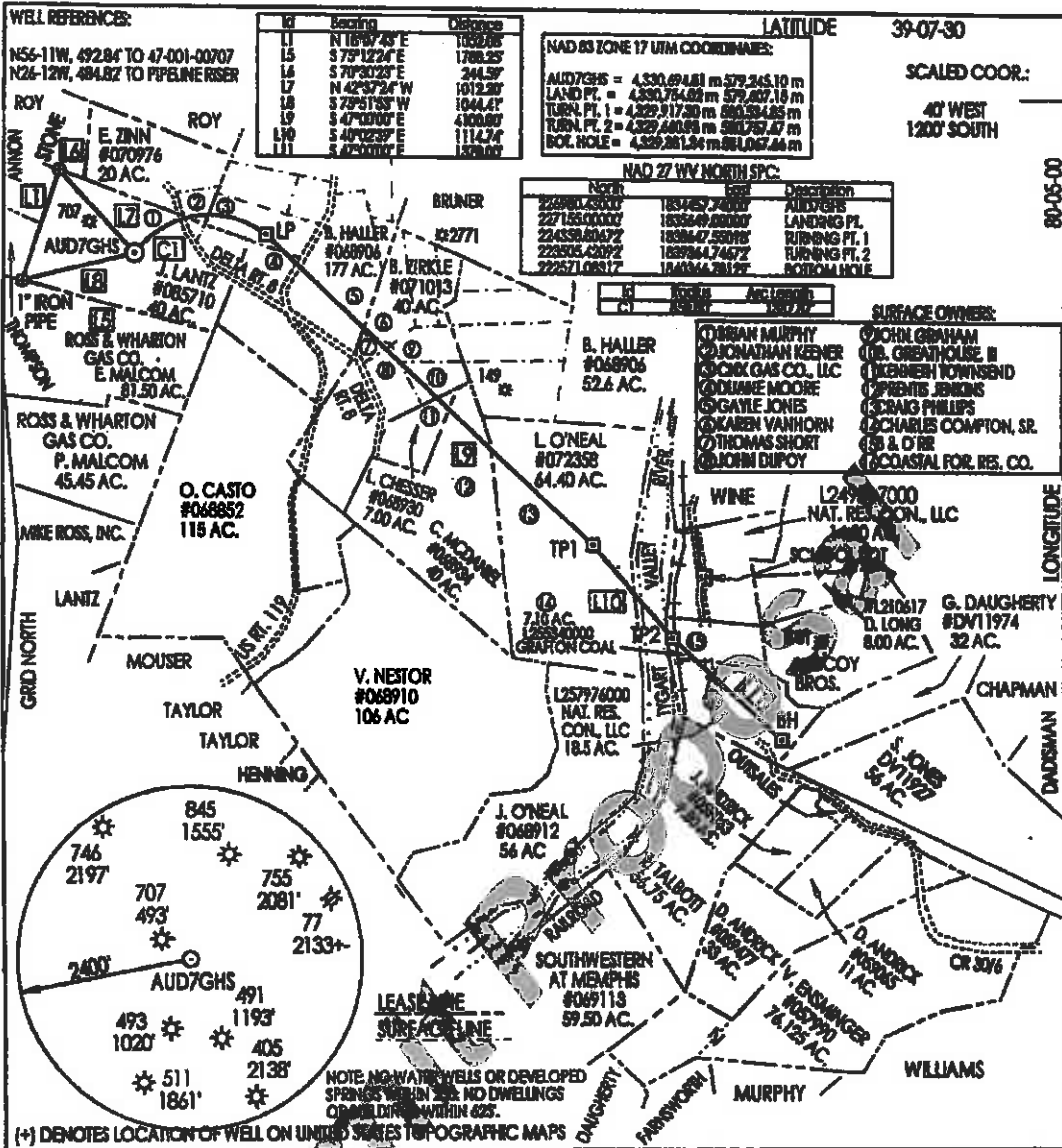
Cementing Company Schlumberger
Address 147 Industrial Park Road City Brookville State PA Zip 15825

Stimulating Company N/A (Formations have not been perforated or stimulated.)
Address N/A City N/A State N/A Zip N/A

Please insert additional pages as applicable.

Completed by CNX Gas WV Operations Company, LLC - Drilling and Completions Telephone 304-884-2000
Signature Steve Spiller Title Steve Spiller - Completions Manager-Gas WV Date 3/18/16

Submission of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry



FILE NUMBER: _____
 DRAWING NUMBER: **CXN/AUD7GHS**
 SCALE: 1" = 1300'
 MINIMUM DEGREE OF ACCURACY: **SUBMETRIC**
 PROVEN SOURCE OF ELEVATION: **DGPS SURVEY**
RTK CENTER POINT SYSTEM

I, THE UNDERSIGNED, HEREBY STATE THAT THIS PLAT 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 DEPARTMENT OF ENERGY.

(SIGNED) _____
 STEPHEN D. LOSH, P.S. #674



STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 910 MARSHEN ROAD
 NITRO, WV 26149-0206

LAND SURVEYING SERVICES
 21 CEDAR LANE, BRIDGEPORT, WV 26330
 PHONE: 304-842-3018 OR 842-5762

DATE: **AUGUST 26, 2014**
 OPERATORS WELL NO.: **AUD7GHS**
 API WELL NO. **47-001-03350 H6A**
 STATE **Office** COUNTY **PERMIT**

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL CBM
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION **1568'** WATERSHED **ELK CREEK**
 DISTRICT **PHILIPPI** COUNTY **BARBOUR**

QUADRANGLE **AUDRA** LEASE NUMBER **SEE ABOVE**
 SURFACE OWNER **BRIAN E. & LISA L. MURPHY** ACREAGE **38.00 (18-10)**
 OIL & GAS ROYALTY OWNER **O. CASTO, ET. AL UNIT** LEASE ACREAGE **10.863**

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE (SPECIFY) **HORIZONTAL**

TARGET FORMATION **MARCELLUS** ESTIMATED DEPTH **TVD = 7957 TMD = 16612**
 WELL OPERATOR **CNX GAS COMPANY LLC** DESIGNATED AGENT **MATTHEW MURICH**
 ADDRESS **P. O. BOX 1248 JANE LEW, WV 26378** ADDRESS **P. O. BOX 1248 JANE LEW, WV 26378**

PROFILE VIEW

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Profile View – Not Available – Drilling has not been completed

DEVIATION SURVEY

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Deviation Survey – Not Available – Drilling has not been completed

Received
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Environmental Conservation

FRAC FOCUS REGISTRY

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Frac Focus Registry – Not Available – Formations have not been perforated or stimulated