

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

API 47-001-03299H6A County Barbour District Union  
Quad Audra Pad Name AUD5HS Field/Pool Name Audra  
Farm name JENKINS, DANA L. Well Number AUD5IHS  
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 4,328,481.78 m Easting 578,706.56 m  
Landing Point of Curve Northing 4,328,247.14 m Easting 578,789.12 m  
Bottom Hole Northing 4,327,191.03 m Easting 578,970.05 m

Elevation (ft) 1621.50' 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 06/07/2013 Date drilling commenced 10/23/2014 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 165 Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 2350 Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 350' Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

Reviewed by: \_\_\_\_\_

**APPROVED**

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

RECEIVED  
Office of Oil and Gas

DEC 28 2016

WV Department of  
Environmental Protection

API 47-001 - 03299H6A Farm name JENKINS, DANA L. Well number AUD5IHS

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	24"	20"	94'	N	J-55 94# / 94'	N/A	N (grout)
Surface	17 1/2"	13 3/8"	827.5'	N	J-65 54.5# / 827.5'	N/A	Y
Coal	-	-	-	-	-	-	-
Intermediate 1	12 1/4"	9 5/8"	2463'	N	J-55 36# / 2463'	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 <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	Class A	675	15.60	1.22	820	0'	24
Surface	Class A	642	15.60	1.21	776	0'	8
Coal	-	-	-	-	-	-	-
Intermediate 1	Class A	822	15.60	1.19	978	0'	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.  
Fresh 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.)

API 47- 001 - 03299H6A Farm name JENKINS, DANA L. Well number AUD5IHS

**PERFORATION RECORD**

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)

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 insert additional pages as applicable.

RECEIVED  
Office of Oil and Gas  
DEC 28 2016  
WV Department of  
Environmental Protection

API 47- 001 . 03299H6A Farm name JENKINS, DANA L. Well number AUD5IHS

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	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H <sub>2</sub> S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
FILL	0	80	0		
LIMESTONE/SANDSTONE	80	250			
SANDSTONE	250	320			
DOLOMITE/SANDSTONE	320	350			
COAL/SANDSTONE	350	440			
SANDSTONE	440	890			
SANDSTONE/REDROCK	890	910			
SANDSTONE/GILTSTONE	910	1037			
MAXTON	1037	1149			
LITTLE LIME	1195	1211			
BIG LIME	1241	1456			
GANTZ	1620	1535			
GORDON	1953	2008			
FIFTH SAND	2242	2279			

Please insert additional pages as applicable.

Drilling Contractor Noah Horn  
Address 1070 Sandy Valley Lane City Oakwood State VA Zip 24631

Logging Company \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

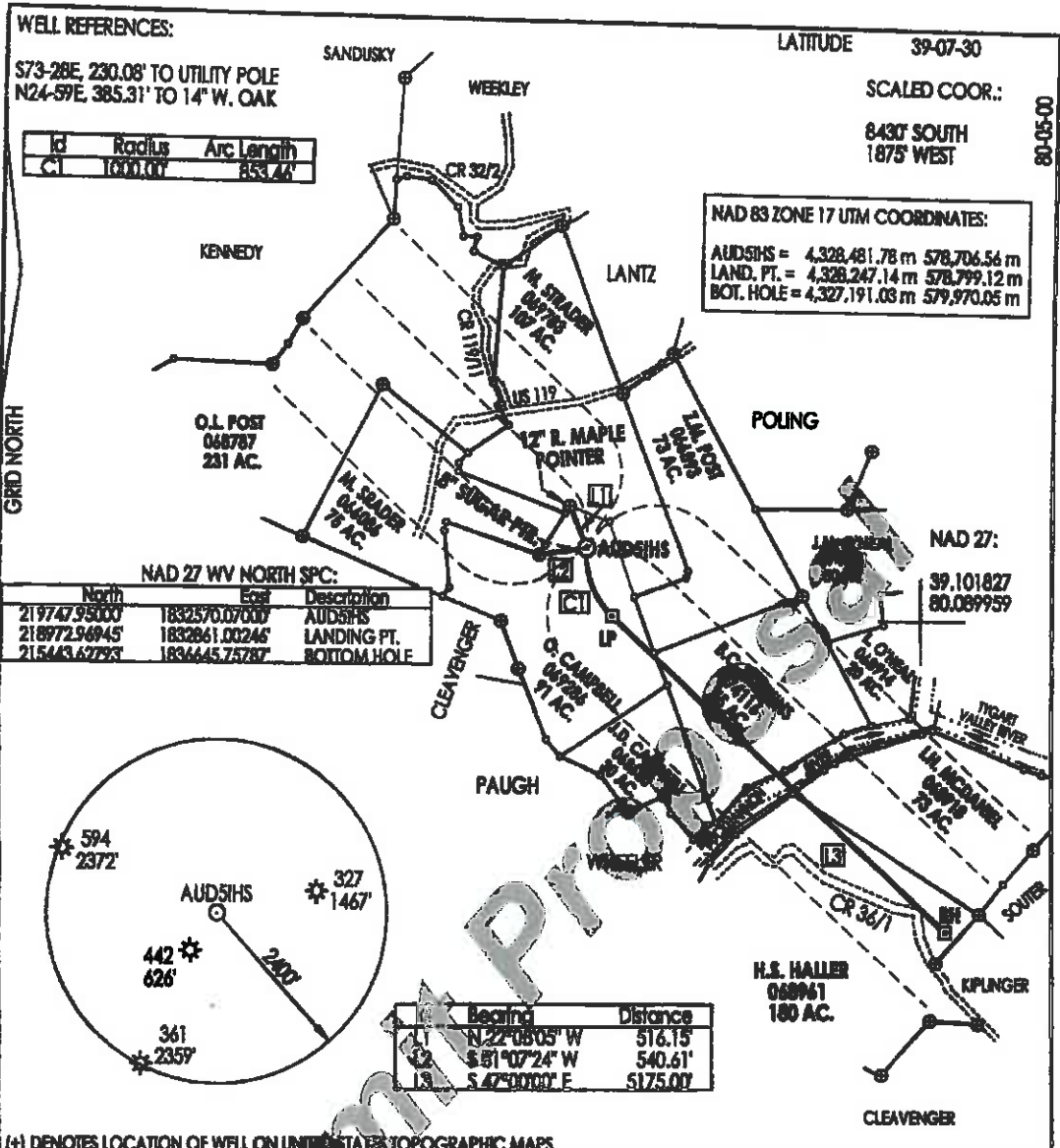
Cementing Company CalFrac  
Address 2001 Summit View Road City Smithfield State PA Zip 15478

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 Spitzer Title Steve Spitzer - Completions Manager-Gas WV Date 3-18-16

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



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NUMBER: \_\_\_\_\_  
 DRAWING NUMBER: **CNXAUD5HS**  
 SCALE: 1" = 1600'  
 MINIMUM DEGREE OF ACCURACY: SURVEY  
 PROVEN SOURCE OF ELEVATION: **WIKI'S SURVEY**  
 CENTIMETER SYSTEM

I, THE UNDERSIGNED, HEREBY STATE THAT THIS PLAN 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  
 916 McCORKER ROAD  
 NERO, WV 26143-0206

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

DATE: **JANUARY 17, 2013**  
 OPERATORS WELL NO.: **AUD5HS**  
 AP WELL NO. **47-001-03299**  
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION **1621.50' (494.24 m)** WATERSHED **BUCKHANNON RIVER**  
 DISTRICT **UNION** COUNTY **BARBOUR**  
 QUADRANGLE **AUDRA** LEASE NUMBER **ON SEE ABOVE**

SURFACE OWNER **DANA L. JENKINS** ACREAGE **30.00 (10-42)**  
 OIL & GAS ROYALTY OWNER **O. CAMPBELL ET AL.** LEASE ACREAGE **100.00**

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** PLUG & ABANDON **CLEAN OUT & REPLUG**  
 ESTIMATED DEPTH **TVD = 8120' IMD = 1500'**

WELL OPERATOR **CNX GAS COMPANY LLC** DESIGNATED AGENT **JEREMY JONES**  
 ADDRESS **P.O. BOX 1248 JANE LEW, WV 26378** ADDRESS **P.O. BOX 1248 JANE LEW, WV 26378**

01/13/2017

PROFILE VIEW

API 47-001-03299H6A Farm Name JENKINS, DANA L. Well Number AUD5IHS

*Profile View – Not Available – Drilling has not been completed*

DEVIATION SURVEY

API 47-001-03299H6A

Farm Name JENKINS, DANA L.

Well Number AUD5IHS

*Deviation Survey – Not Available – Drilling has not been completed*

FRAC FOCUS REGISTRY

API 47-001-03299H6A Farm Name JENKINS, DANA L. Well Number AUD5IHS

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