

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

API 47-051-02069 County MARSHALL District WEBSTER
Quad MAJORSVILLE Pad Name MAJ10HSU Field/Pool Name _____
Farm name MAJORSVILLE Well Number MAJ10DHSU
Operator (as registered with the OOG) CNX GAS COMPANY, LLC
Address 1000 CONSOL ENERGY DRIVE City CANONSBURG State PA Zip 15317

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4418809.40 Easting 539573.54
Landing Point of Curve Northing N/A Easting N/A
Bottom Hole Northing 4418810.88 Easting 539570.41

Elevation (ft) 1317 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)
Air drilled top hole ONLY
Deep intermediate hole (12-1/4" hole section) and production hole (8-1/2" hole section) NOT drilled

Date permit issued 12/19/2018 Date drilling commenced 2/22/2019 Date drilling ceased 2/28/2019
Date completion activities began N/A 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 175, 378, 482 (deepest) Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1470 Void(s) encountered (Y/N) depths N
Coal depth(s) ft 352, 489, 490, 690, 779 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) Y

Received 9/8/22

APPROVED
Reviewed by: *SK 10-11-22*
STRADER
10/21/2022

API 47- 051 - 02069

Farm name MAJORSVILLE

Well number MAJ10DHSU

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	36"	30"	100	NEW	A-252 99#	N/A	Y - GROUT TO SURFACE
Surface							
Coal	24"	18.625"	830	NEW	J-55 87.5#	N/A	Y - CEMENT TO SURFACE
Intermediate 1	17.5"	13.375"	3196	NEW	L-80HC 68.0#	N/A	Y - CEMENT TO SURFACE
Intermediate 2							
Intermediate 3							
Production							
Tubing							
Packer type and depth set		N/A					

Comment Details 30" conductor set with auger rig and grouted to surface. 18-5/8" casing set through fresh water zones and coal zones; cemented to surface (78 bbls cement returned).
13-3/8" casing set through gas storage interval (shoe set below Fifth Sand); cemented to surface (128 bbls of cement returned to surface).

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	TYPE 1					Surface	
Surface							
Coal	CLASS A	1455	15.6	1.21	313 bbls	Surface	8
Intermediate 1	CLASS H	2700	16.8	1.07	512 bbls	Surface	8
Intermediate 2							
Intermediate 3							
Production							
Tubing							

Drillers TD (ft) 3241

Loggers TD (ft) 3241

Deepest formation penetrated SHALE BELOW FIFTH SAND

Plug back to (ft) N/A

Plug back procedure N/A

Kick off depth (ft) N/A

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 _____

30" CONDUCTOR: None

18.625" COAL: Centralize first joint and then every 3rd joint to surface

13.375" INTERMEDIATE 1: Centralize first joint and then on every joint to 200' above the Storage Zone (from 13-3/8" shoe to Gas Sand); then centralize every 3rd joint to surface

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

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PRODUCING FORMATION(S)

DEPTHS

N/A _____ TVD _____ MD _____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface _____ psi Bottom Hole _____ psi DURATION OF TEST _____ hrs

OPEN FLOW Gas _____ Oil _____ NGL _____ Water _____ GAS MEASURED BY
 _____ mcfpd _____ bpd _____ bpd _____ bpd 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)
UNDIFFERENTIATED SOIL	0	100	0	100	SOIL / CLAY / SANDSTONE / SILTSTONE
UNDIFFER. SAND / SILT	100	352	100	352	SANDSTONE / SILTSTONE
WASHINGTON COAL	352	353	352	353	COAL
UNDIFFER. SAND / SILT	353	489	353	489	SANDSTONE / SILTSTONE
WAYNESBURG 2 COAL	489	490	489	490	COAL
WAYNESBURG 1 COAL	490	491	490	491	COAL
UNDIFFER. SAND / SILT	491	690	491	690	SANDSTONE / SILTSTONE
SEWICKLEY COAL	690	691	690	691	COAL
UNDIFFER. SAND / SILT	691	779	691	779	SANDSTONE / SILTSTONE
PITTSBURGH COAL	779	785	779	785	COAL
UNDIFFER. SAND / SILT	785	1403	785	1403	SANDSTONE / SILTSTONE / LIMESTONE / RED SHALE
GAS SAND	1403	1470	1403	1470	SANDSTONE / SILTSTONE
SALT SANDS	1470	1860	1470	1860	SANDSTONE/ SILTSTONE
BIG LIME	1860	1966	1860	1966	LIMESTONE / SANDSTONE / SILTSTONE

Please insert additional pages as applicable.

Drilling Contractor Patterson-UTI Drilling Company

Address 4000 Town Center Boulevard, Suite #240 City Canonsburg State PA Zip 15317

Logging Company _____

Address _____ City _____ State _____ Zip _____

Cementing Company Halliburton

Address 121 Champion Way, Suite #210 City Canonsburg State PA Zip 15317

Stimulating Company N/A

Address _____ City _____ State _____ Zip _____

Please insert additional pages as applicable.

Completed by Greg Zofchak

Telephone 724-485-3032

Signature *Greg Zofchak*

Title Drilling Engineer

Date 3/31/2022

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Office of Oil and Gas

SEP 8 2022

Submittal of Hydraulic Fracturing Chemical Disclosure Information

Attach copy of FRACFOCUS Registry

WV Department of
Environmental Protection

10/21/2022

