

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

API 47 - 035 - 02460 County Jackson District Ravenswood  
Quad Sandyville, WV Pad Name Ripley Field/Pool Name Ripley  
Farm name Sallie Hite Well Number 12411 sidetrack  
Operator (as registered with the OOG) Columbia Gas Transmission LLC  
Address 1700 MacCorkle Ave SE City Charleston State WV Zip 25314

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4304979.839 Easting 440230.919  
Landing Point of Curve Northing 4304637.238 Easting 440660.158  
Bottom Hole Northing 4303873.819 Easting 440456.993

Elevation (ft) 616.2 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)  
RKB-GL 19', depths reports from RKB. Intermediate - drilled with sodium chloride fluid w/ gel sweeps and cement shield (milling window), and air (new interval)

Lateral - drilled w/water based fluid, NaCl, KCl, guard, sodium bicarb, Pac R, soda ash, citric acid, zan gum, calcium carbonate LCM.

Date permit issued 03/13/2024 Date drilling commenced 08/01/2024 Date drilling ceased 8/23/24  
Date completion activities began 9/21/24 Date completion activities ceased 9/25/24  
Verbal plugging (Y/N) N/A 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 none observed Open mine(s) (Y/N) depths N  
Salt water depth(s) ft none observed Void(s) encountered (Y/N) depths N  
Coal depth(s) ft none observed Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

Reviewed by:   
02/21/2025

API 47-035 - 02460 Farm name Sallie Hite Well number 12411 sidetrack

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		13-3/8	261	existing	48# / J-55		280 sx to surface
Surface							
Coal							
Intermediate 1		9-5/8	1911	existing	36# / K-55		510 sx to surface
Intermediate 2							
Intermediate 3							
Production	8-1/2	7	5972	new	26	-	2-stage, Not to surface per plan
Tubing							
Packer type and depth set							

Comment Details RKB - 19' above GL, depth reference is all RKB.

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	existing	280				0	
Surface							
Coal							
Intermediate 1	existing	510				0	
Intermediate 2							
Intermediate 3							
Production	Class A w/2% Gel + 0.5 pps floeal	2 stage job by DV tool **	14.7	1.36	1st - 261 / 2nd - 656	1858	10.75
Tubing							

\* 7" casing 2 stage cement job - 1st stage pumped 192 sx (46.42 bbls + floeal LCM), 2nd stage pumped 482 sxs (116.78 bbls + floeal LCM)

Drillers TD (ft) 8760 Loggers TD (ft) N/A

Deepest formation penetrated Oriskany Plug back to (ft) N/A

Plug back procedure N/A

Kick off depth (ft) 1911 whipstock KOP out of existing wellbore

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 \_\_\_\_\_

7" production string - Innovex CentraMax slip-on bowspring placed 1 every 1 joints on bottom 4 joints, placed 1 per 2 joints through 1700', (total run 52)

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WAS WELL COMPLETED AS SHOT HOLE  Yes  No DETAILS \_\_\_\_\_

WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS Lateral was left as an openhole completion through the Oriskany formation and acid stimulated with 15% HCl acid.

WERE TRACERS USED  Yes  No TYPE OF TRACER(S) USED \_\_\_\_\_





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PRODUCING FORMATION(S)	DEPTHS			
	DEPTH	TVD	DEPTH	MD
Oriskany Landing Point	4812		6208	
Oriskany TD of Lateral - projection to TD	4831		8760	

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface 1570 psi Bottom Hole \_\_\_\_\_ psi DURATION OF TEST 1 hrs

OPEN FLOW Gas \_\_\_\_\_ mcfpd Oil \_\_\_\_\_ bpd NGL \_\_\_\_\_ bpd Water \_\_\_\_\_ 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	
Soft Red Rock	0	447	0	447	existing 12411 well
Red Rock	980	1010	980	1010	existing 12411 well
Water Contact	1200	1200	1200	1200	existing 12411 well
Salt Sand	1510	1650	1510	1650	existing 12411 well
Greenbrier Big Lime	1650	1805	1650	1805	existing 12411 well
Big Injun	1805	1885	1805	1885	existing 12411 well
Coffee Shale	2265	2290	2265	2290	
Berea Sand	2290	2296	2290	2296	
Marcellus Shale	4690	4708	5571	5622	
Onondaga Lime	4708	4808	5622	6108	
Oriskany Sand	4808	4831 *	6108	-	Did not go out the bottom of formation
					* projection to bit at TD

Please insert additional pages as applicable.

Drilling Contractor Precision Drilling Company, LP  
Address 10350 Richmond Ave, Suite 700 City Houston State TX Zip 77042

Logging Company Nine Energy - 2001 Kirby Dr Ste 200, Houston TX 77079  
Address Baker Atlas - PO Box 301057, Dallas TX 75303 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Cementing Company Petroset  
Address 474 Industrial Blvd City Wooster State OH Zip 44691

Stimulating Company CUDD Energy Services  
Address 2828 Technology Forest Blvd City The Woodlands State TX Zip 77380

Please insert additional pages as applicable.

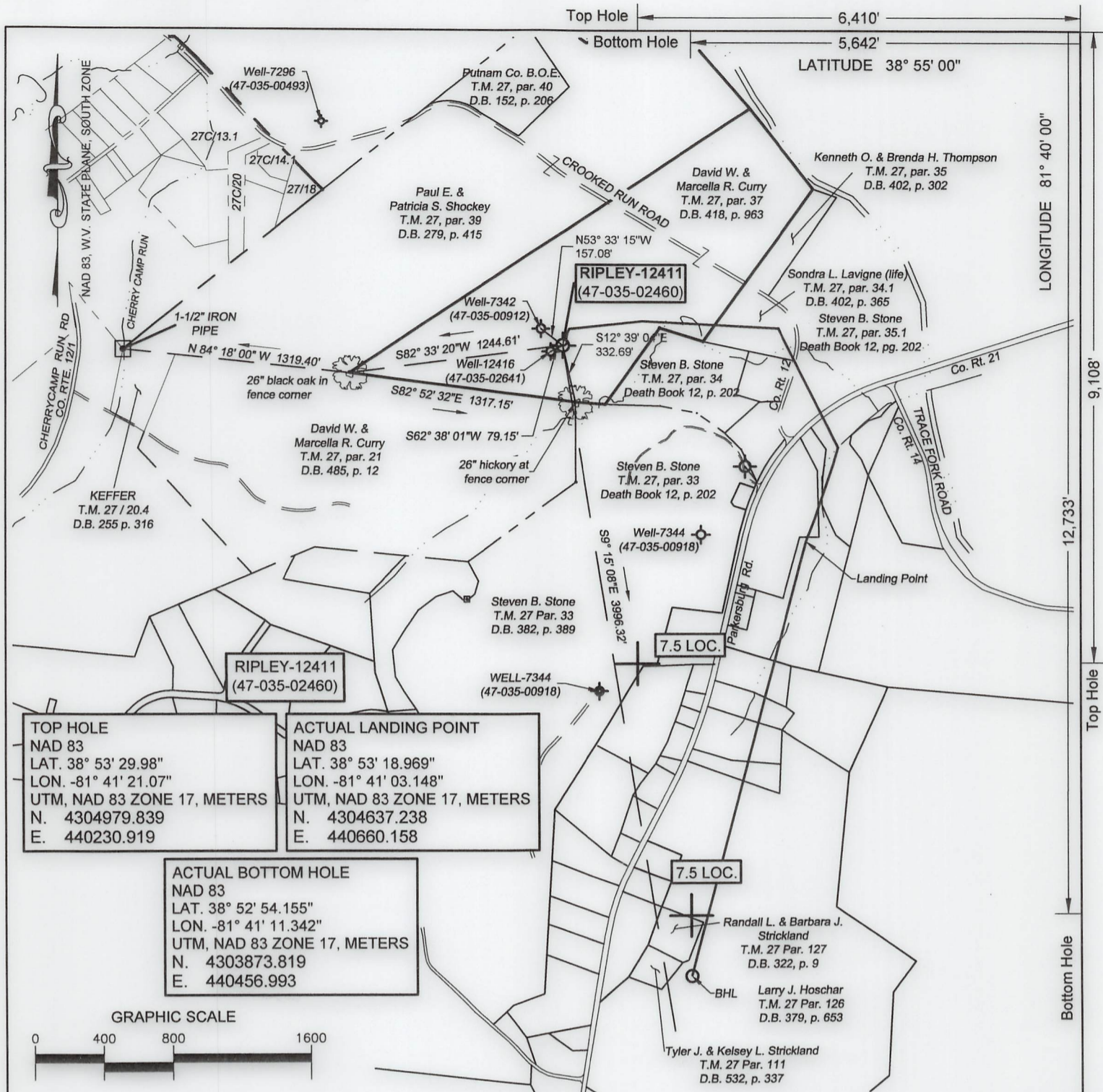
Completed by Brent Criser Telephone 304-410-4313  
Signature [Signature] Title Team Lead Well Eng & Tech Date 12/30/24

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry  
02/21/2025

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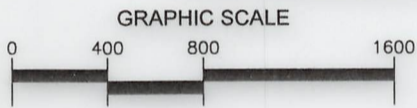




**TOP HOLE**  
 NAD 83  
 LAT. 38° 53' 29.98"  
 LON. -81° 41' 21.07"  
 UTM, NAD 83 ZONE 17, METERS  
 N. 4304979.839  
 E. 440230.919

**ACTUAL LANDING POINT**  
 NAD 83  
 LAT. 38° 53' 18.969"  
 LON. -81° 41' 03.148"  
 UTM, NAD 83 ZONE 17, METERS  
 N. 4304637.238  
 E. 440660.158

**ACTUAL BOTTOM HOLE**  
 NAD 83  
 LAT. 38° 52' 54.155"  
 LON. -81° 41' 11.342"  
 UTM, NAD 83 ZONE 17, METERS  
 N. 4303873.819  
 E. 440456.993

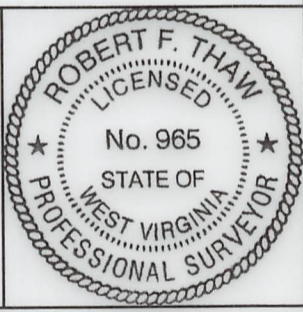


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE No 2201-2345-001-011  
 DRAWING No. RIPLEY-12411  
 SCALE 1"=800'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION TRIMBLE R10  
GPS UNIT

I THE UNDERSIGNED, HEREBY CERTIFY 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 DIVISION OF ENVIRONMENTAL PROTECTION.

(SIGNED) *R. Thaw*  
**ROBERT F. THAW PS #965**



STATE OF WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS  
 NITRO, WV



DATE SEPTEMBER 04 2024  
 OPERATOR'S WELL No. 12411  
 API WELL No.

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  STATE 47 COUNTY 035 PERMIT 02460  
 (IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 616.2' WATER SHED SANDY CREEK  
 DISTRICT RAVENSWOOD COUNTY JACKSON  
 QUADRANGLE SANDYVILLE, WV

SURFACE OWNER DAVID W. & MARCELLA R. CURRY ACREAGE 37.82  
 OIL & GAS ROYALTY OWNER SALLIE L. HITE (SUR.) OTIS & Katie Coast (BHL)  
 LEASE ACREAGE 38.5 (SUR.) 50 (BHL) LEASE NO. 1052507 (SUR.) 1052786 (BHL) 02 SEP 11 2025

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE   
 STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION   
 OTHER PHYSICAL CHANGE IN WELL (SPECIFY) REWORK  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG

TARGET FORMATION ORISKANY ESTIMATED DEPTH 4810' TVD/9100' MD  
 WELL OPERATOR COLUMBIA GAS TRANSMISSION, LLC DESIGNATED AGENT MARIA MEDVEDEVA  
 ADDRESS PO BOX 1273, CHARLESTON, WV 25325-1273 ADDRESS 1700 MACCORKLE AVE., S.E. CHARLESTON, WV 25314

FORM IV-6 (8-78)



Columbia Gas Transmission, LLC

1700 MacCorkle Ave., SE, Charleston, WV, USA 25314



December 30, 2024

WV DEP – Office of Oil & Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304-2345

Enclosed is the post well work and plugback permit applications for the following Columbia Gas Transmission existing storage well:

Ripley 12411 Sidetrack (API 47-035-02460)

If you have questions, feel free to call.

Regards,

A handwritten signature in blue ink, appearing to read "Brent Criser", written over a light blue horizontal line.

Brent Criser  
Team Lead  
Well Engineering & Technology  
Columbia Gas Transmission, LLC  
Mob: 740-503-8231  
brent\_criser@tcenergy.com

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