

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

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Office of Oil and Gas

NOV 15 2022

WV Department of  
Environmental Protection

API 47-085-10373 County RITCHIE District UNION  
Quad BURNHOUSE 7.5 Pad Name DRILCO 2018 1V/1H Field/Pool Name AUBURN  
Farm name KENSLER, SAMUEL AND BARBARA Well Number DRILCO 2018 1V  
Operator (as registered with the OOG) DD OIL CO  
Address PO BOX 406 City SPENCER State WV Zip 25276

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4326281 Easting 510608  
Landing Point of Curve Northing \_\_\_\_\_ Easting \_\_\_\_\_  
Bottom Hole Northing \_\_\_\_\_ Easting \_\_\_\_\_

Elevation (ft) 1245 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 AIR DRILLED

Date permit issued 10-19-18 Date drilling commenced 2-19-19 Date drilling ceased 2-29-19  
Date completion activities began WAITING ON PIPELINE Date completion activities ceased COMPLETION PLANNED 4-20  
Verbal plugging (Y/N) NO 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 ENCOUNTERED Open mine(s) (Y/N) depths NONE  
Salt water depth(s) ft NONE ENCOUNTERED Void(s) encountered (Y/N) depths NONE  
Coal depth(s) ft NONE Cavern(s) encountered (Y/N) depths NONE  
Is coal being mined in area (Y/N) NO

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

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CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	17 1/2	13 3/8	21.4	NEW	H40	SURFACE	YES
Surface	12 1/4	9 5/8	468.20	NEW	H40	SURFACE	YES
Coal	NONE						
Intermediate 1	8 3/4	7	1970	NEW	J55	SURFACE	YES
Intermediate 2						and 985 ft	
Intermediate 3							
Production	7 7/8	4 1/2	6790	NEW	H80	SURFACE	YES
Tubing						CENTRALIZERS AT	
Packer type and depth set	5,700 FT, 2300 FT, 1900 FT, 1100 FT						

Comment Details CTS ALL STRINGS TO SURFACE

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	10	14.5	1.118	126	CTS	12
Surface	CLASS A	161	14.5	1.118	190.5	CTS	12
Coal							
Intermediate 1	CLASS A	326	14.5	1.118	365	CTS	12
Intermediate 2							
Intermediate 3							
Production	CLASS A	671	14.5	1.118	791	CTS	48
Tubing							

Drillers TD (ft) 6615 Loggers TD (ft) 6919

Deepest formation penetrated TULLY Plug back to (ft) BRIDGE PLUG SET AT 5,700

Plug back procedure RUN PIPE CEMENTED IN 5,700 FT, RUN PIPE TO 6790, PLUGGED BACK TO 5,700 WITH BRIDGE PLUG INSIDE 4 1/2" CASING

Kick off depth (ft) \_\_\_\_\_

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 PIPE NONE  
 9 5/8" TWO PLACED BOTTOM OF STRING AND TOP  
 7" INTERMEDIATE 8 PLACED EVERY 660 FT  
 4 1/2" EVERY 5 JOINTS, APPROX 250' APART, 30 CENTRALIZERS

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

WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS \_\_\_\_\_

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

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Well number DRILCO 2018 1V

**PERFORATION RECORD**

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
8	06/04/2021	2816	2820	4	FOURTH SAND
7	06/04/2021	3120	3123	4	FIFTH SAND
6	06/04/2021	3486	3520	15	SPEECHLEY
5	06/04/2021	3919	3988	14	BALLTOWN
4	06/05/2021	4238	4626	12	RILEY
3	06/05/2021	4800	4805	5	BENSON
2	06/05/2021	4906	5300	7	ALEXANDER
1	06/05/2021	5584	5590	8	ELK
					BRIDGE PLUG SET 5700

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)
8	06/04/21	40	2960	3365	350	45000	450	0
7	06/04/21	40	2900	3150	290	41000	350	0
6	06/04/21	40	2970	3300	320	36000	450	0
5	06/04/21	40	3050	4100	400	29000	375	0
4	06/05/21	40	3200	2900	410	28000	475	0
3	06/05/21	40	3380	3050	360	31000	425	0
2	06/05/21	40	3650	2875	365	29000	475	0
1	06/05/21	40	3870	2920	495	33000	400	0

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Please insert additional pages as applicable.



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<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
<u>WAITING ON COMPLETION IN 2020</u>	<u>TVD</u>	<u>MD</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

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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 \_\_\_\_\_ mcfpd Oil \_\_\_\_\_ bpd NGL \_\_\_\_\_ bpd Water \_\_\_\_\_ bpd GAS MEASURED BY  
 Estimated  Orifice  Pilot

<u>LITHOLOGY/ FORMATION</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H-S, ETC)</u>
	<u>DEPTH IN FT NAME TVD</u>	<u>DEPTH IN FT TVD</u>	<u>DEPTH IN FT MD</u>	<u>DEPTH IN FT MD</u>	
	0		0		
BIG INJUN	2206	2254			SAND
WEIR	2420	2482			SAND
BEREA	2717	2720			SAND
FOURTH SAND	2816	2820			SAND
FIFTH SAND	3123	3128			SAND
SPEECHLEY	3490	3550			SHALE
BALLTOWN	3920	3924			SHALE
RILEY	4239	4242			SAND
BENSON	4803	4808			SHALE
ALEXANDER	4843	5303			SHALE
MIDDLESEX	6487	6518			SHALE
GENESO	6624	6646			SHALE
TULLY	6673	6750			SHALE

Please insert additional pages as applicable.

Drilling Contractor MITCHELL DRILLING  
 Address 2529 SYCAMORE ROAD City CLARKSBURG State WV Zip 26301

Logging Company SCHLUMBERGER OILFIELD  
 Address 1080 US-33 City WESTON State WV Zip 26452

Cementing Company FORMATION  
 Address 1900 KEMPER COURT City ZANESVILLE State OH Zip 43701

Stimulating Company N/A  
 Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Please insert additional pages as applicable.

Completed by HUGH D DALE Telephone \_\_\_\_\_  
 Signature  Title MANAGING MEMBER Date JUNE 5, 2021

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