

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

API 47 - 085 - 10373 County RITCHIE District UNION
Quad BURNTHOUSE 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 510698
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:

API 47- 085 - 10373 Farm name KENSLER, SAMUEL AND BARBARA Well number DRILCO 2018 1V

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 ³ /sks)	Volume (ft ³)	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	385	CTS	12
Intermediate 2							
Intermediate 3							
Production	CLASS A	671	14.5	1.118	791	CTS	48
Tubing							

Drillers TD (ft) 8815 Loggers TD (ft) 6819

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 650 FT
 4 1/2" EVERY 6 JOINTS, APPROX 250' APART, 30 CENTRALIZERS

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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PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
					N/A
					NO FRAC OR PERF DONE
					WAITING ON COMPLETION

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.

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PRODUCING FORMATION(S)

DEPTHS

WAITING ON COMPLETION IN 2020

_____ 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, H₂S, ETC)

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)
	0		0		
					PLEASE SEE ATTACHED
					LITHOLOGY ADDENDUM

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 1800 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 10-15-2019



DRILCO OIL AND GAS
—drilcooilgas.com—

BOX 385 GRANTSVILLE, WV 26147 304-354-9516

DrilcoOilGas.com

LITHOLOGY ADDENDUM API # 047-085-10373

LITHOLOGY FORMATION	TOP (ft)	BOTTOM (ft)	
Clay	0	10	
Sand	10	65	
R&R	65	95	
Sand	95	180	
Slate	180	210	
Sand	210	550	
R&R	550	620	
Sand	620	845	
Sand/Shale	845	1125	
Sand	1125	1750	
Shale	1750	1836	
Little Lime	1836	2040	
Big Lime	2040	2206	
Big Injun	2206	2254	Sand
Weir	2420	2254	Sand
Berea	2717	2720	Sand
Fourth Sand	2816	2820	Sand
Fifth Sand	3123	3126	Sand
Speechley	3490	3550	Shale
Balltown	3920	3934	Shale
Riley	4239	4242	Sand
Benson	4803	4808	Shale
Alexander	4843	5303	Shale
Middlesex	6487	6518	Shale
Geneso	6624	6648	Shale
Marcellus	6673	6750	Shale
Onondaga	6750	6790	Limestone

Hugh D. Dale, Jr., President Drilco Oil & Gas Corporation