

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

API 47-085-10400 County RITCHIE District UNION
Quad AUBURN Pad Name DD OIL DRILCO 2020 1H Field/Pool Name AUBURN/BIG RUN
Farm name KENSLER Well Number DRILCO 2020 1H
Operator (as registered with the OOG) DD OIL CO
Address PO BOX 385 City GRANTSVILLE State WV Zip 26147

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 217202 Easting 1610224
Landing Point of Curve Northing 216670 Easting 1610521
Bottom Hole Northing 215438 Easting 1611516

Elevation (ft) 1216 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)
BENNONITE CLAY GEL

Date permit issued MARCH 26, 2020 Date drilling commenced 06/28/2020 Date drilling ceased 07/30/2020
Date completion activities began 07/16/2021 Date completion activities ceased 07/16/2021
Verbal plugging (Y/N) NONE 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 Open mine(s) (Y/N) depths NONE
Salt water depth(s) ft NONE 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

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Reviewed by:
J. Scott Robinson
03/24/2023

WR-35
Rev. 8/23/13

API 47-085 - 10400

Farm name KENSLER

Well number DRILCO 2020 1H

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	20"	16"	20'	NEW	H/40 65 LB FT	1 BASKET AT SURFACE	YES
Surface	15"	11 3/4"	345'	NEW	H/40 42 LB FT	1 BASKET AT SURFACE	YES
Coal	NONE						
Intermediate 1	10 5/8"	8 5/8"	1590'	NEW	J55 24 LB FT	1 BASKET AT SURFACE	YES
Intermediate 2	NONE						
Intermediate 3	NONE						
Production	7 7/8"	4 1/2"	4405'	NEW	P110 13.5 LB FT	1 BASKET AT SURFACE	YES
Tubing	NONE						
Packer type and depth set							

Comment Details

HORIZONTAL MULTI-STAGE FRAC APPROX 13 STAGES. WAS STOPPED VIA CEASE AND DESIST ORDER WRITTEN 07/16/2021.

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	26 SAKS	15.6 LBS	1.18	30.7 FT	5.5 BBLS	8 HRS
Surface	CLASS A	260 SAKS	15.6 LBS	1.18	307 FT	54.6 BBLS	8 HRS
Coal	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Intermediate 1	CLASS A	405 SAKS	15.6 LBS	1.18	478 FT	85 BBLS	8 HRS
Intermediate 2	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Intermediate 3	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Production	CLASS A	542 SAKS	15.6 LBS	1.18	639.6 FT	114 BBLS	8 HOURS
Tubing							

Drillers TD (ft) 4405' Loggers TD (ft) 4405'
 Deepest formation penetrated BIG INJUN Plug back to (ft) NONE
 Plug back procedure NONE

Kick off depth (ft) 1462'

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 ONE CENTRALIZER PLACED EVERY 100' THROUGH LATERAL
 TOTAL OF 27 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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PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
					NONE
					PER CEASE AND DESIST
					WAITING ON PERMITS

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	
WEIR	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 _____ mcfpd Oil _____ bpd NGL _____ bpd Water _____ bpd
 GAS MEASURED BY 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)
	0		0		
					SEE ATTACHED PROGNOSIS

Please insert additional pages as applicable.

Drilling Contractor NOAH HORNE
 Address _____ City VAN SANT State VA Zip 24656

Logging Company DIRECTIONAL DRILLED
 Address _____ City MARIETTA State OH Zip 43725

Cementing Company LIGHTNING ENERGY SERVICES
 Address _____ City BRIDGEPORT State WV Zip 26330

Stimulating Company _____
 Address _____ City _____ State _____ Zip _____

Please insert additional pages as applicable.

Completed by HUGH D DALE Telephone 304-354-9516
 Signature _____ Title OWNER/PRES Date 03/01/2023

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

03/24/2023



DRILCO OIL AND GAS
—drilcooilgas.com—

LITHOLOGY

Pad 2: UNION DISTRICT, RITCHIE COUNTY, WEST VIRGINIA

DRILCO 2020 #1H (API 047-085-10400)

The ground level elevation at this location is 1216 feet. The formation tops for the DRILCO wells are:

SOIL	0
SOPE STONE	10
SAND	30
RED ROCK	60
SAND	80
RED ROCK	90
SLATE & SHELLS	130
SAND	160
RED ROCK	175
SLATE & SHELLS	195
SAND	250
SLATE & SHELLS	268
RED ROCK	315
SAND	335
SLATE	363
RED ROCK	415
SLATE	495
GRITTY LIME	615
SLATE	637
RED ROCK	660
SLATE & SHELLS	775
RED ROCK	875
SLATE	900
SAND	980
SLATE & SHELLS	1035
SAND	1200
SLATE & SHELLS	1245
SAND	1266

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SLATE & SHELLS	1290
SANDY LIME	1360
SLATE & SHELLS	1410
SAND	1525
SLATE	1550
SAND	1605
SLATE AND SHELLS	1650
SANDY LIME	1720
SAND	1735
SLATE AND SHELLS	1755
RED LIME	1830
SAND	1863
SLATE	1876
SALT SAND:	1895
LITTLE LIME:	2100
BIG LIME:	2147
BIG INJUN:	2207

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