

WR-35  
Rev. 8/23/13

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

API 47-085-10402 County RITCHIE District UNION  
Quad AUBURN Pad Name DD OIL DRILCO 2019 1V Field/Pool Name AUBURN/BIG RUN  
Farm name KENSLER Well Number DRILCO 2019 1V  
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 217196 Easting 1610243  
Landing Point of Curve Northing 217196 Easting 1610243  
Bottom Hole Northing 217196 Easting 1610243

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)  
NONE

Date permit issued MARCH 26, 2020 Date drilling commenced 6/22/2020 Date drilling ceased 6/28/2020  
Date completion activities began 10/27/2020 Date completion activities ceased 11/17/2020  
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. Cole Kohlsch*  
03/24/2023

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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	16"	13 3/8"	20'	NEW	H40 48 LBS	1 BASKET AT SURFACE	YES
Surface	12 1/4"	9 5/8"	392'	NEW	H40 32 LB	1 BASKET AT SURFACE	YES
Coal	NONE						
Intermediate 1	8 7/8"	7"	1942'	NEW	J55 17 LB	1 BASKET AT SURFACE	YES
Intermediate 2	NONE						
Intermediate 3	NONE						
Production	6 1/4"	4 1/2"	6684'	NEW	P110 13.5 LB	1 BASKET AT SURFACE	YES
Tubing	NONE						
Packer type and depth set							

Comment Details RUN 4 1/2" TO 6692'. BRIDGE PLUG SET 5634'. 4-STAGE FRAC FROM 5600' UP, IN THE DEVONIAN SECTIONS.

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	15 SAKS	15.6 LBS	1.18	8.8 FT	5.5 BBLS	8 HRS
Surface	CLASS A	159 SAKS	15.6 LBS	1.18	123.8 FT	33.4 BBLS	8 HRS
Coal	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Intermediate 1	CLASS A	333 SAKS	15.6 LBS	1.18	392 FT	70 BBLS	8 HRS
Intermediate 2	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Intermediate 3	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Production	CLASS A	606 SAKS	15.6 LBS	1.18	715 FT	128 BBLS	8 HOURS
Tubing							

Drillers TD (ft) 6682' Loggers TD (ft) 6687'

Deepest formation penetrated MARCELLUS Plug back to (ft) SET BRIDGE PLUG

Plug back procedure SET BRIDGE PLUG 5634'. RAN 4 1/2 TOTAL 6692'. COMPLETED UPPER DEVONIAN SECTIONS.

Kick off depth (ft) NONE MAR 15 2023

Check all wireline logs run  caliper  density  deviated/directional  induction  temperature  neutron  resistivity  gamma ray  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 250' FROM 6922 TO SURFACE. TOTAL OF 26 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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PRODUCING FORMATION(S)	DEPTHS	
	TVD	MD

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface 950 psi Bottom Hole 1200 psi DURATION OF TEST 24 HRS hrs

OPEN FLOW Gas 900 mcfpd Oil SHOW bpd NGL NONE bpd Water NONE 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	
	<u>0</u>		<u>0</u>		SEE ATTACHED PROGNOSIS           RECEIVED Office of Oil & Gas  MAR 15 2023  WV Department of Environmental Protection

Please insert additional pages as applicable.

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

Logging Company APPALACHIAN WELL SURVEYS  
Address \_\_\_\_\_ City CAMBRIDGE State OH Zip 43725

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

Stimulating Company PRODUCER SERVICES  
Address \_\_\_\_\_ City ZANESVILLE State OH Zip 43701

Please insert additional pages as applicable.

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

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

03/24/2023



**LITHOLOGY**

Pad 2: UNION DISTRICT, RITCHIE COUNTY, WEST VIRGINIA

**DRILCO 2019 #1V (API 047-085-10402)**

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
BIG INJUN BASE:	2276
WEIR:	2416
WEIR BASE:	2549
BEREA:	2791
FOURTH SAND:	2881
FIFTH SAND:	2980
SPEECHLEY:	3475
BALLTOWN:	3923
RILEY:	4623
BENSON:	4780
ALEXANDER:	5147
ALEXANDER BASE:	5307
MIDDLESEX:	6560
<b>TOTAL DEPTH:</b>	<b>6682'</b>

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