

Well Name: OCS-Y-2321 BURGER J #001
Location: Posey 6912
Operator: Shell Gulf of Mexico Inc.
Report Prepared By: Jessica Moen
Report Delivered To: Shell Gulf of Mexico Inc.

Depth (MD) 3300 to 3385 ft
(TVD) 3300 to 3385 ft
Formation: Torok
Date: 9/11/2015

Zone Production Analysis (From Steam-Still PPM Ratios)

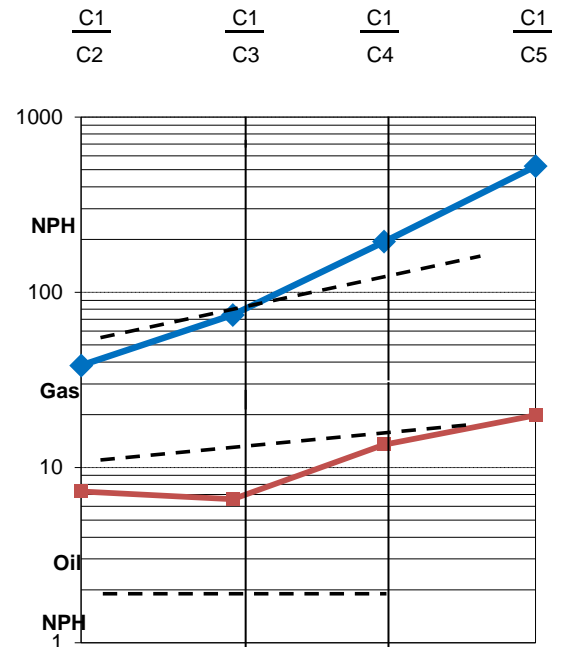
The production of this zone is deemed to be Gas/Oil. At approximately 3300 feet, there is a gas / oil contact (and a NA / NA contact at approximately NA feet) for a total of 85 feet of Gas/Oil show (and NA feet of NA show).

1

Depth	<u>3301</u> ft	Gas Units	<u>317</u>	Mud Chlorides (1000's) =	<u>133000</u>
	Flowline ppm	Background ppm	Show ppm		
C1	<u>26523</u>	<u>868</u>	<u>25655</u>	Hydrocarbon Ratios	
C2	<u>734</u>	<u>62</u>	<u>672</u>	C1/C2 =	<u>38</u>
C3	<u>387</u>	<u>41</u>	<u>346</u>	C1/C3 =	<u>74</u>
C4	<u>146</u>	<u>14</u>	<u>132</u>	C1/C4 =	<u>194</u>
C5	<u>49</u>	<u>0</u>	<u>49</u>	C1/C5 =	<u>524</u>

Production Analysis Gas Oil Water Non-Producing Hydrocarbons

Hydrocarbon Ratios



2

Depth	<u>3387</u> ft	Gas Units	<u>385</u>	Mud Chlorides (1000's) =	<u>133000</u>
	Flowline ppm	Background ppm	Show ppm		
C1	<u>15271</u>	<u>9496</u>	<u>5775</u>	Hydrocarbon Ratios	
C2	<u>1125</u>	<u>333</u>	<u>792</u>	C1/C2 =	<u>7</u>
C3	<u>1101</u>	<u>222</u>	<u>879</u>	C1/C3 =	<u>7</u>
C4	<u>534</u>	<u>106</u>	<u>428</u>	C1/C4 =	<u>13</u>
C5	<u>338</u>	<u>47</u>	<u>291</u>	C1/C5 =	<u>20</u>

Production Analysis Gas Oil Water Non-Producing Hydrocarbons

Formation Data

At Max Gas, the visual sample percentages were: 80 % CLYST, 10 % SST, 10 % SLTST, _____ % _____ .
 The reservoir rock was a med grey to drk grey -colored claystone. The grain size was N/A and the grain shape was N/A. Approximate visual porosity was N/A % and the visual permeability was N/A. Grain sorting was N/A and the rock cement was N/A. The porosity type was N/A and the secondary components in the rock fragments were: sandstone and siltstone. The rock hardness was firm and the sample contamination was N/A.

Liquid Hydrocarbon Data

The liquid hydrocarbon was first detected at N/A feet and continued through N/A feet. The liquid phase of the mud was N/A. The liquid hydrocarbon occurred in the form of N/A and was present in the N/A. When the N/A were studied in the UV box, the liquid hydrocarbon covered N/A % of the surface of the sample. The oil was N/A in color, exhibited a N/A fluorescence and had an approximate API gravity of N/A; odor was NA and staining was present. The cuttings exhibited a N/A cut that was N/A in color with a N/A fluorescence.

Logger's Opinion of the Show Interval

Total gas climbed to a peak of 317 units at 3301' MD over 26 units of background gas at 3220' - 3250' MD Gas again climbed to a peak of 385 units at 3387' MD over 138 units of background gas at 3365' MD Formational fluid trended from a gas to possible wet gas. Lack of fluorescence indicates a lack of liquid hydrocarbon present in the formation.