

Depth Ft	Lithology	Shows / Rcmd Perfs	By David B. Griffin, PG Griffin Geological Resources, (GGR)				Well No: Shannon SB-4	Pg. 1 of 2
			Penetration Rate	% SS, Shaded If Oil Stained	Free Oil Show	Location: NE NE NE NW/4, 5100' fsl, 2840' fel, Sec. 14-T25S-R17E	Date: 10-Sep-18	
						API No.: 15-001-31560	Datum/Elev.: GL, 1051' est.	
			Operator: S & B Operating LLC	Sample Descriptions		Tops/Remarks		
9-1018			0 0.5 1 M	0 50 100	Sli Fr Gd Exc		McGown Drilling Mud Rotary 6 3/4 PDC Bit	
950							No Samples Examined above 982'	
8:45A						Sh, gy to vdg	982' start sampling, circulate after each Kelly	
						Sh, AA, min bk		
						AA		
1000						cod		
						Sh, g to bk		
						SS, 30, vlg, v f + s, lty, pr φ, patchy tar 5%, NFO		
						Sh, lt gy w/ 20% silt lam		
						Sh, vlg to min gy-bn, silty, NS		
						SS/sc, 30, pr φ, NFO, patchy tar 5%, sh vdg 70		
						SS, 20, lt gy, pr φ, NFO, patchy tar 5%; sh, vlg		
						SS, 30, AA, tar, 100%, NFO; sh, 70, vdg		
						SS, 20, AA, NS; SS, 10, tar; NFO; sh, vdg, 80		
						SS10, lt Bn, v f - silty, fr φ, sli odor, gassy stn, NFO		
						SS, 30, AA, Resid sh, NFO		
						SS, 20, lt bn, fr - g φ, odor, sli sfo		
						SS, 30, lt bn to bn, fr - g φ, fr sfo, Core Point		
1050						Core Description 1047 - 1066.7, Pit Rec.		
						1047-1047.5; SS, Dk Bn, Gd φ, Fr-BSFO initially but no bleed back,		
						1047.5-1049.3; SS, V Dk Bn, Gd-vg φ, vg-Exc SFO w/ bleed back, poor quality sand,		
						1049.3-1050.0; SS, 20, Dk Bn, Res Stn, NFO; sh, 6, 80		
						1050.0-1052; Sh, dk gy, SL, 50, lt gy lam.		
						1052.0-1053; Sh, dk gy		
						1053.0-1054.4; sli, 80, lt gy, sh, 20, dgy, 20		
						1054.4-1055.4; sh, 90, sli, 20, lam, lt gy		
						1055.4-1056.0; sh, 20, sli, 80		
						1056.0-1056.7; sh, 95, sli, 5		
						1056.7-1058.6; sh, 80, dg; SL, 20, lt gy		
						1058.6-1063.5; sh, 90, dg; SL, 10, lt gy		
						1063.5-1066.2; sh/SL w/ 30% siderite nod, sba		
						SS, 20, dk gy, v f, fr φ, gd res stn, sli sfo, Heavy		
						SS, 40, AA, sli - Fr SFO, Hvy		
						SS, 50, g-dg, v f - fr φ, Fr SFO; sh, 50, dg, sMC		
						SS, 50, AA, sli sfo		
						SS, 60, BK, Gd φ, v f gn, Gd Tar Stn + sticky oil		
						SS, 30, BK, Gd φ, all tar; sh, 70, gy		
						SS, 30, BK, s, tar vlg, 25, NS		
1100						SS, 30 vlg, v f gn, fr φ, NS; sh, 70, g-dg		
						SS, 50, lt gy, silty + shly, fr φ, NS; sh, 50, gy, NS		
						SS, 70, sh, 30, AA		
						SS, 80, lt gy, v f - fr φ, fr - gd φ, NS		
						SS, 95, lt gy, AA, NS		
						SS, 90, lt gy to tan, pr - gd φ, min lmy, NS		
						SS, 95, lt gy, v f - fr φ, g - vlg φ, NS		

BVSS (mid?) 5.3'  
1044 (+7')  
Gas SD 1044'-425'  
oil SD 1047.5'-423'  
(see photolog)  
for core pics

L. BVSS 1074 (-23)  
Heavy Oil Show 1070-82'  
(not pay)  
V. Hvy oil + tar show  
1082-87'  
Tar only 1087-97  
No Show Below 1097'

Tar No Free oil

Tar only

Tar only

Gas?

Hvy oil

Sticky v. Hvy oil + tar

4PM  
9-10-18



Fresh Unrinsed Core



1049.0

1048.0

1047.0

Rinsed Core, Note Bleed Back



1049.0

1048.0

1047.0

Fresh Unrinsed Core



1051.0

1050.0

1049.0

Rinsed Core



1051.0

1050.0

1049.0