

698506
V2

Job Number: GP13-040
Formation: Blue Fish
Field: East MacKay
Pool:

			Wellhead				Gas Orifice Meter 1						Gas VCone Meter 1					Oil Produced Volume Meter									
	Date	Time	Flow Temp	Tubing Press	Casing Press	Choke Size	Static Press	Diff Press	Meter Temp	Plate Size	Gas Rate (Inst)	Gas Cum	Static Press	Diff Press	Meter Temp	Gas Rate	Cum Gas	Volume	BS&W Cut	Water Gain	Water Cum	Oil Gain	Cum Oil	Water Salinity	pH	Sand	
	YYY/MM/DD	HH:mm	°C	kPa(g)	kPa(g)	mm	kPa(g)	kPa	°C	mm	10 ³ m ³ /d	10 ³ m ³	kPa(g)	kPa	°C	10 ³ m ³ /d	10 ³ m ³	m ³	%	m ³	m ³	m ³	m ³	ppm		%	
1	2013/02/18	00:00	0	0	0	0.00	0.0	0.00	0.0	0.00	0.000	0.000	0	0.00	0	0.000	0.000	0.00	0		0.00		0.00	0	0	0.00	
2		08:00	Arrive on location demobilize equipment.																								
3		17:00	Standby for drilling completion.																								
4	2013/02/19	08:00	Arrive on location, continue maintenance and cleanup of equipment.																								
5		17:00	Unable to spot and rig in, standing by for drilling rig completion.																								
6	2013/02/20	08:00	Arrive on location, stand by for drilling rig completion.																								
7	2013/02/23	07:00	Begin perfing operations with drilling rig and run in tubing.																								
8	2013/02/28	09:00	Spot and rig in test equipment.																								
9	2013/03/01	07:00	Continue rigging in, stand by to purge vessels and pressure test flowline.																								
10		13:45	Purge tank and pressure test flowline to 65 mPa.																								
11		17:00	API of Frac Oil = 48.08 @ 60F, specific gravity of 0.788.																								
12		19:00	Begin pressure tests on frac iron.																								
13		19:30	Begin mini frac.																								
14		19:38	Mini frac complete, 6m ³ pumped.																								
15	2013/03/02	09:45	Begin pressure tests on frac iron.																								
16		11:18	Begin frac on Blue Fish formation.																								
17		12:30	Frac complete, ISIP = 29.0 mPa, Fluid pumped = 158.8m ³ , LOAD TO RECOVER = 164.8m ³ .																								
18		12:35	Bleed off casing pressure.																								
19		12:40	0	25288	0	0.00	0.0	0.00	0.0	0.00	0.000	0.000	0	0.00	0	0.000	0.000	0.00	0	0.00	0.00	0.00	0.00	0	0	0.00	
20		12:40	Open well to flow back 8.0m ³ on an adjustable 24/64 (9.53mm) choke.																								
21		12:45	15	17308	-0	9.53																					
22		12:50	13	16350	-0																				0.50		
23		12:50	Fluid showing trace of stand, decrease to a 20/64 (7.94mm) and return @ 500ltrs/min.																								
24		12:55	14	15953	32	7.94																					
25		13:00	15	14091	50													7.54	0	0.00	0.00	7.54	7.54	0	0	0.01	
26		13:00	N ² to surface.																								
27		13:05	Shut in well, allow gel to break. Recovered 7.54m ³ load fluid.																								

Field Measurements

Company: Shell/MGM
Well / Lease Name: MGM Shell East MacKay I-78
Unique Well ID: I-78-64-50-125-30
Test Type: Completion

Job Number: GP13-040
Formation: Blue Fish
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			Wellhead				Gas Orifice Meter 1					Gas VCone Meter 1					Oil Produced Volume Meter										
	Date	Time	Flow Temp	Tubing Press	Casing Press	Choke Size	Static Press	Diff Press	Meter Temp	Plate Size	Gas Rate (Inst)	Gas Cum	Static Press	Diff Press	Meter Temp	Gas Rate	Cum Gas	Volume	BS&W Cut	Water Gain	Water Cum	Oil Gain	Cum Oil	Water Salinity	pH	Sand	
	YYY/MM/DD	HH:mm	°C	kPa(g)	kPa(g)	mm	kPa(g)	kPa	°C	mm	10 ³ m ³ /d	10 ³ m ³	kPa(g)	kPa	°C	10 ³ m ³ /d	10 ³ m ³	m ³	%	m ³	m ³	m ³	m ³	ppm		%	
28	2013/03/02	13:05	API = 48.20 @ 60F, specific gravity of 0.787.																								
29		13:05		12885		0.00	0.0	0.00	0.0	0.00	0.000	0.000	0	0.00	0	0.000	0.000	0.00	0	0.00	0.00	0.00	7.54	0	0	0.00	
30		13:05	Rig out frac standing iron, unable to monitor pressure.																								
31		14:00		20234	1570																						
32		14:30		19885	1736																						
33		15:00		19560	1867																						
34		15:30		19100	2017																						
35		16:00		18855	2073	0.00	0.0	0.00	0.0		0.000	0.000	0	0.00	0	0.000	0.000	0.00	0	0.00	0.00	0.00	7.54	0	0	0.00	
36		16:00	Open well to flow on adjustable 24/64 (9.53mm) to establish rate of 5.0m ³ /hr as per program before switching to bean choke.																								
37		16:00	N ² to surface.																								
38		16:05	-10	8158	1153	9.53																					
39		16:10	-5	5768	1330																						
40		16:15	-3	6760	1742	7.94																					
41		16:30	6	5277	2191																						
42		16:30	Gel @ surface, showing a trace of sand, decrease to 18/64 (7.14mm) bean choke.																								
43		16:45	8	5248	2639	7.14												4.56	0	0.00	0.00	4.56	12.10	0	0	0.50	
44		16:45	Shut in well and allow gel to break as directed.																								
45		16:50		7639	2639	0.00	0.0	0.00	0.0	0.00	0.000	0.000	0	0.00	0	0.000	0.000	0.00	0	0.00	0.00	0.00	12.10	0	0	0.00	
46		16:55		9199	2989																						
47		17:00		10251	3167																						
48		17:15		13148	3283																						
49		17:30		14520	3567	0.00	0.0	0.00	0.0	0.00	0.000	0.000	0	0.00	0	0.000	0.000	0.00	0	0.00	0.00	0.00	12.10	0	0	0.00	
50		17:30	Open well to flow on a 18/64 (7.14mm) bean choke.																								
51		17:35	2	9968	3121	7.14																					
52		17:40	6	8232	3015																						
53		17:45	8	7358	3002																						
54		18:00	9	6091	3066	7.14												3.87	0	0.00	0.00	3.87	15.97	0	0	0.10	
55		18:00	Fluid sample showing trace of sand.																								
56		18:00	API = 46.1 @ 60F, specific gravity of 0.797.																								

Field Measurements

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Unique Well ID: I-78-64-50-125-30
Test Type: Completion

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			Wellhead				Gas Orifice Meter 1						Gas VCone Meter 1					Oil Produced Volume Meter									
	Date	Time	Flow Temp	Tubing Press	Casing Press	Choke Size	Static Press	Diff Press	Meter Temp	Plate Size	Gas Rate (Inst)	Gas Cum	Static Press	Diff Press	Meter Temp	Gas Rate	Cum Gas	Volume	BS&W Cut	Water Gain	Water Cum	Oil Gain	Cum Oil	Water Salinity	pH	Sand	
	YYY/MM/D	HH:mm	°C	kPa(g)	kPa(g)	mm	kPa(g)	kPa	°C	mm	10 ³ m ³ /d	10 ³ m ³	kPa(g)	kPa	°C	10 ³ m ³ /d	10 ³ m ³	m ³	%	m ³	m ³	m ³	m ³	ppm		%	
57	2013/03/02	18:15	9	5303	3173	7.14				0.00									0							0.10	
58		18:30	9	4607	3325	7.14																					
59		18:40	Increased to 2" (50.80mm) choke as directed.																								
60		18:45	18	640	3296	50.80																					
61		19:00	13	220	3333	50.80												10.33	0	0.00	0.00	10.33	26.30	0	0	0.10	
62		19:30	1	129	3058																						
63		19:30	Two stock oil samples taken.																								
64		20:00	0	97	3040	50.80	0.0	0.00	0.0	0.00	0.000	0.000	0	0.00	0	0.000	0.000	1.39	0	0.00	0.00	1.39	27.69	0	0	0.10	
65		20:00	API = 44.9 @ 60F, specific gravity of 0.802.																								
66		20:30	0	188	3275																						
67		21:00	1	8	3101	50.80												3.81	0	0.00	0.00	3.81	31.50	0	0	0.01	
68		21:00	Two stock oil samples taken.																								
69		21:30	-8	3	3357																						
70		22:00	-1	3	3035	50.80												0.58	0	0.00	0.00	0.58	32.08	0	0	0.01	
71		22:00	API = 45.5 @ 60F, specific gravity of 0.799.																								
72		22:30	1	58	3155																						
73		23:00	2	11	3038	50.80												3.19	0	0.00	0.00	3.19	35.27	0	0	0.01	
74		23:30	1	5	2818																						
75	2013/03/03	00:00	-9	3	2782	50.80												0.23	0	0.00	0.00	0.23	35.50	0	0	0.01	
76		00:00	Unable to provide API due to minimal fluid returns.																								
77		00:30	-10	3	2774																						
78		01:00	-9	3	2773	50.80	0.0	0.00	0.0		0.000	0.000	0	0.00	0	0.000	0.000	0.00	0	0.00	0.00	0.00	35.50	0	0	0.00	
79		01:00	Shut in well due to loss of flow. Monitor and record pressure build ups.																								
80		01:05		264	2839																						
81		01:10		512	2789																						
82		01:15		655	2757																						
83		01:30		908	2723																						
84		01:45		1109	2709																						
85		02:00		1381	2688																						

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	Date	Time	Wellhead				Gas Orifice Meter 1					Gas VCone Meter 1					Oil Produced Volume Meter									
			Flow Temp	Tubing Press	Casing Press	Choke Size	Static Press	Diff Press	Meter Temp	Plate Size	Gas Rate (Inst)	Gas Cum	Static Press	Diff Press	Meter Temp	Gas Rate	Cum Gas	Volume	BS&W Cut	Water Gain	Water Cum	Oil Gain	Cum Oil	Water Salinity	pH	Sand
			°C	kPa(g)	kPa(g)	mm	kPa(g)	kPa	°C	mm	10 ³ m ³ /d	10 ³ m ³	kPa(g)	kPa	°C	10 ³ m ³ /d	10 ³ m ³	m ³	%	m ³	m ³	m ³	m ³	ppm		%
86	2013/03/03	02:30		1913	2663	50.80				0.00								0								0.00
87		03:00		2412	2649																					
88		03:30		2920	2639																					
89		04:00		3380	2621	0.00	0.0	0.00	0.0	0.00	0.000	0.000	0	0.00	0	0.000	0.000	0.00	0	0.00	0.00	0.00	35.50	0	0	0.00
90		04:00	Open well on an adjustable 48/64 (19.05mm) choke.																							
91		04:04	Increased to 2" (50.80mm) choke.																							
92		04:05	-17	816	2525																					
93		04:06	Fluid to surface.																							
94		04:10	-2	204	2592																					
95		04:15	2	7	2521																					
96		04:30	1	5	2540																					
97		04:45	-5	12	2484																					
98		05:00	-7	10	2471	50.80												2.88	0	0.00	0.00	2.88	38.38	0	0	0.10
99		05:00	API = 46.4 @ 60F, specific gravity of 0.795.																							
100		05:30	-9	4	2457																					
101		06:00	-15	2	2453	50.80	0.0	0.00	0.0	0.00	0.000	0.000	0	0.00	0	0.000	0.000	0.00	0	0.00	0.00	0.00	38.38	0	0	0.00
102			***Daily production summary*** ((March 2nd @ 12:40hrs to March 3rd @ 06:00hrs))																							
103			Daily Hours Flowed = 10Hrs, 40mins										Cum. Hours Flowed = 10Hrs, 40mins													
104			Daily load fluid Recovered = 38.38 m ³										Cum. load fluid Recovered = 38.38 m ³													
105			Daily Oil produced = 0.00 m ³										Cum. Oil produced = 0.00 m ³													
106			Daily Burnable Gas Produced to Flare = 0.000 10 ³ m ³										Cum. Burnable Gas to Flare = 0.000 10 ³ m ³													
107			Initial load fluid to recover = 164.8 m ³										Load fluid left to recover = 126.42 m ³													
108	2013/03/03	06:30	-15	2	2468																					
109		07:00	-16	4	2452	50.80												2.14	0	0.00	0.00	2.14	40.52	0	0	0.01
110		07:00	API = 45.6 @ 60F, specific gravity of 0.799.																							
111		07:30	-16	4	2437																					
112		08:00	-15	3	2410	50.80												0.00	0	0.00	0.00	0.00	40.52	0	0	0.00
113		08:30	-16	2	2395																					
114		09:00	-16	3	2375	50.80												0.00	0	0.00	0.00	0.00	40.52	0	0	0.00

Field Measurements

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	Date	Time	Flow Temp	Tubing Press	Casing Press	Choke Size	Static Press	Diff Press	Meter Temp	Plate Size	Gas Rate (Inst)	Gas Cum	Static Press	Diff Press	Meter Temp	Gas Rate	Cum Gas	Volume	BS&W Cut	Water Gain	Water Cum	Oil Gain	Cum Oil	Water Salinity	pH	Sand		
	YYY/MM/DD	HH:mm	°C	kPa(g)	kPa(g)	mm	kPa(g)	kPa	°C	mm	10 ³ m ³ /d	10 ³ m ³	kPa(g)	kPa	°C	10 ³ m ³ /d	10 ³ m ³	m ³	%	m ³	m ³	m ³	m ³	ppm		%		
115	2013/03/03	09:30	-16	4	2350	50.80				0.00									0							0.00		
116		10:00	-16	2	2328	50.80												0.00	0	0.00	0.00	0.00	40.52	0	0	0.00		
117		10:00	Shut in well to rig off frac head and rig in slickline.																									
118		12:25	Pressure test lubricator to 5mPa.																									
119		12:30	Slickline run in hole with recorders to pull a static gradient.																									
120		12:45		1850	2243	0.00	0.0	0.00	0.0	0.00	0.000	0.000	0	0.00	0	0.000	0.000	0.00	0	0.00	0.00	0.00	40.52	0	0	0.00		
121		12:45	Open well to flow on a 2" (50.80 mm) choke.																									
122		13:00	-14	4	2173	50.80												1.71	0	0.00	0.00	1.71	42.23	0	0	0.00		
123		13:30	-14	1	2154																							
124		14:00	-14	2	2121	50.80												0.00	0	0.00	0.00	0.00	42.23	0	0	0.00		
125		14:30	-15	1	2105																							
126		15:00	-15	3	2096	50.80												0.00	0	0.00	0.00	0.00	42.23	0	0	0.00		
127		15:00	Slickline @ surface. Shut in master, unable to monitor pressure.																									
128		16:00		687	2071	0.00	0.0	0.00	0.0	0.00	0.000	0.000	0	0.00	0	0.000	0.000	0.00	0	0.00	0.00	0.00	42.23	0	0	0.00		
129		16:00	Slickline run in hole with nipple brush.																									
130		16:30		852	2062																							
131		16:40	Slickline @ surface.																									
132		17:00		980	2002																							
133		17:00	Slickline run in hole with plug.																									
134		17:30		1145	2090																							
135		17:50	Slickline @ surface.																									
136		18:00		1212	2098																							
137		18:10	Slickline run in hole with prong.																									
138		18:30		1312	2112																							
139		18:50	Slickline @ surface.																									
140		18:55	Slickline operations complete, begin to rig out slickline.																									
141		19:00		1415	2047																							
142		19:05	Open well to vent, monitor and record pressures.																									

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	YYY/MM/DD	HH:mm	°C	kPa(g)	kPa(g)	mm	kPa(g)	kPa	°C	mm	10³m³/d	10³m³	kPa(g)	kPa	°C	10³m³/d	10³m³	m³	%	m³	m³	m³	m³	ppm		%		
143	2013/03/03	20:00		6	2018	0.00	0.0	0.00	0.0	0.00	0.000	0.000	0	0.00	0	0.000	0.000	0.00	0	0.00	0.00	0.00	42.23	0	0	0.00		
144																												
145																												
146																												
147																												

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DM 698506
WID 2078

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	YYY/MM/DD	HH:mm	°C	kPa(g)	kPa(g)	mm	kPa(g)	kPa	°C	mm	10 ³ m ³ /d	10 ³ m ³	kPa(g)	kPa	°C	10 ³ m ³ /d	10 ³ m ³	m ³	%	m ³	m ³	m ³	m ³	ppm		%	
1	2013/02/18	00:00	0	0	0	0.00	0.0	0.00	0.0	0.00	0.000	0.000	0	0.00	0	0.000	0.000	0.00	0		0.00		0.00	0	0	0.00	
2		08:00	Arrive on location demobilize equipment.																								
3		17:00	Standby for drilling completion.																								
4	2013/02/19	08:00	Arrive on location, continue maintenance and cleanup of equipment.																								
5		17:00	Unable to spot and rig in, standing by for drilling rig completion.																								
6	2013/02/20	08:00	Arrive on location, stand by for drilling rig completion.																								
7	2013/02/23	07:00	Begin perfing operations with drilling rig and run in tubing.																								
8	2013/02/28	09:00	Spot and rig in test equipment.																								
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13		19:30	Begin mini frac.																								
14		19:38	Mini frac complete, 6m ³ pumped.																								
15	2013/03/02	09:45	Begin pressure tests on frac iron.																								
16		11:18	Begin frac on Blue Fish formation.																								
17		12:30	Frac complete, ISIP = 29.0 mPa, Fluid pumped = 158.8m ³ , LOAD TO RECOVER = 164.8m ³ .																								
18		12:35	Bleed off casing pressure.																								
19		12:40	0	25288	0	0.00	0.0	0.00	0.0	0.00	0.000	0.000	0	0.00	0	0.000	0.000	0.00	0	0.00	0.00	0.00	0.00	0	0	0.00	
20		12:40	Open well to flow back 8.0m ³ on an adjustable 24/64 (9.53mm) choke.																								
21		12:45	15	17308	-0	9.53																					
22		12:50	13	16350	-0																				0.50		
23		12:50	Fluid showing trace of stand, decrease to a 20/64 (7.94mm) and return @ 500ltrs/min.																								
24		12:55	14	15953	32	7.94																					
25		13:00	15	14091	50													7.54	0	0.00	0.00	7.54	7.54	0	0	0.01	
26		13:00	N ² to surface.																								
27		13:05	Shut in well, allow gel to break. Recovered 7.54m ³ load fluid.																								

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	Date	Time	Flow Temp	Tubing Press	Casing Press	Choke Size	Static Press	Diff Press	Meter Temp	Plate Size	Gas Rate (Inst)	Gas Cum	Static Press	Diff Press	Meter Temp	Gas Rate	Cum Gas	Volume	BS&W Cut	Water Gain	Water Cum	Oil Gain	Cum Oil	Water Salinity	pH	Sand	
	YYY/MM/DD	HH:mm	°C	kPa(g)	kPa(g)	mm	kPa(g)	kPa	°C	mm	10 ³ m ³ /d	10 ³ m ³	kPa(g)	kPa	°C	10 ³ m ³ /d	10 ³ m ³	m ³	%	m ³	m ³	m ³	m ³	ppm		%	
28	2013/03/02	13:05	API = 48.20 @ 60F, specific gravity of 0.787.																								
29		13:05		12885		0.00	0.0	0.00	0.0	0.00	0.000	0.000	0	0.00	0	0.000	0.000	0.00	0	0.00	0.00	0.00	7.54	0	0	0.00	
30		13:05	Rig out frac standing iron, unable to monitor pressure.																								
31		14:00		20234	1570																						
32		14:30		19885	1736																						
33		15:00		19560	1867																						
34		15:30		19100	2017																						
35		16:00		18855	2073	0.00	0.0	0.00	0.0		0.000	0.000	0	0.00	0	0.000	0.000	0.00	0	0.00	0.00	0.00	7.54	0	0	0.00	
36		16:00	Open well to flow on adjustable 24/64 (9.53mm) to establish rate of 5.0m ³ /hr as per program before switching to bean choke.																								
37		16:00	N ² to surface.																								
38		16:05	-10	8158	1153	9.53																					
39		16:10	-5	5768	1330																						
40		16:15	-3	6760	1742	7.94																					
41		16:30	6	5277	2191																						
42		16:30	Gel @ surface, showing a trace of sand, decrease to 18/64 (7.14mm) bean choke.																								
43		16:45	8	5248	2639	7.14												4.56	0	0.00	0.00	4.56	12.10	0	0	0.50	
44		16:45	Shut in well and allow gel to break as directed.																								
45		16:50		7639	2639	0.00	0.0	0.00	0.0	0.00	0.000	0.000	0	0.00	0	0.000	0.000	0.00	0	0.00	0.00	0.00	12.10	0	0	0.00	
46		16:55		9199	2989																						
47		17:00		10251	3167																						
48		17:15		13148	3283																						
49		17:30		14520	3567	0.00	0.0	0.00	0.0	0.00	0.000	0.000	0	0.00	0	0.000	0.000	0.00	0	0.00	0.00	0.00	12.10	0	0	0.00	
50		17:30	Open well to flow on a 18/64 (7.14mm) bean choke.																								
51		17:35	2	9968	3121	7.14																					
52		17:40	6	8232	3015																						
53		17:45	8	7358	3002																						
54		18:00	9	6091	3066	7.14												3.87	0	0.00	0.00	3.87	15.97	0	0	0.10	
55		18:00	Fluid sample showing trace of sand.																								
56		18:00	API = 46.1 @ 60F, specific gravity of 0.797.																								

Field Measurements

Company: Shell/MGM
Well / Lease Name: MGM Shell East MacKay I-78
Unique Well ID: I-78-64-50-125-30
Test Type: Completion

Job Number: GP13-040
Formation: Blue Fish
Field: East MacKay
Pool:

			Wellhead				Gas Orifice Meter 1						Gas VCone Meter 1					Oil Produced Volume Meter									
	Date	Time	Flow Temp	Tubing Press	Casing Press	Choke Size	Static Press	Diff Press	Meter Temp	Plate Size	Gas Rate (Inst)	Gas Cum	Static Press	Diff Press	Meter Temp	Gas Rate	Cum Gas	Volume	BS&W Cut	Water Gain	Water Cum	Oil Gain	Cum Oil	Water Salinity	pH	Sand	
	YYY/MM/DD	HH:mm	°C	kPa(g)	kPa(g)	mm	kPa(g)	kPa	°C	mm	10 ³ m ³ /d	10 ³ m ³	kPa(g)	kPa	°C	10 ³ m ³ /d	10 ³ m ³	m ³	%	m ³	m ³	m ³	m ³	ppm		%	
57	2013/03/02	18:15	9	5303	3173	7.14				0.00									0							0.10	
58		18:30	9	4607	3325	7.14																					
59		18:40	Increased to 2" (50.80mm) choke as directed.																								
60		18:45	18	640	3296	50.80																					
61		19:00	13	220	3333	50.80												10.33	0	0.00	0.00	10.33	26.30	0	0	0.10	
62		19:30	1	129	3058																						
63		19:30	Two stock oil samples taken.																								
64		20:00	0	97	3040	50.80	0.0	0.00	0.0	0.00	0.000	0.000	0	0.00	0	0.000	0.000	1.39	0	0.00	0.00	1.39	27.69	0	0	0.10	
65		20:00	API = 44.9 @ 60F, specific gravity of 0.802.																								
66		20:30	0	188	3275																						
67		21:00	1	8	3101	50.80												3.81	0	0.00	0.00	3.81	31.50	0	0	0.01	
68		21:00	Two stock oil samples taken.																								
69		21:30	-8	3	3357																						
70		22:00	-1	3	3035	50.80												0.58	0	0.00	0.00	0.58	32.08	0	0	0.01	
71		22:00	API = 45.5 @ 60F, specific gravity of 0.799.																								
72		22:30	1	58	3155																						
73		23:00	2	11	3038	50.80												3.19	0	0.00	0.00	3.19	35.27	0	0	0.01	
74		23:30	1	5	2818																						
75	2013/03/03	00:00	-9	3	2782	50.80												0.23	0	0.00	0.00	0.23	35.50	0	0	0.01	
76		00:00	Unable to provide API due to minimal fluid returns.																								
77		00:30	-10	3	2774																						
78		01:00	-9	3	2773	50.80	0.0	0.00	0.0		0.000	0.000	0	0.00	0	0.000	0.000	0.00	0	0.00	0.00	0.00	35.50	0	0	0.00	
79		01:00	Shut in well due to loss of flow. Monitor and record pressure build ups.																								
80		01:05		264	2839																						
81		01:10		512	2789																						
82		01:15		655	2757																						
83		01:30		908	2723																						
84		01:45		1109	2709																						
85		02:00		1381	2688																						

Field Measurements

Company: Shell/MGM
Well / Lease Name: MGM Shell East MacKay I-78
Unique Well ID: I-78-64-50-125-30
Test Type: Completion

Job Number: GP13-040
Formation: Blue Fish
Field: East MacKay
Pool:

			Wellhead				Gas Orifice Meter 1						Gas VCone Meter 1						Oil Produced Volume Meter									
	Date	Time	Flow Temp	Tubing Press	Casing Press	Choke Size	Static Press	Diff Press	Meter Temp	Plate Size	Gas Rate (Inst)	Gas Cum	Static Press	Diff Press	Meter Temp	Gas Rate	Cum Gas	Volume	BS&W Cut	Water Gain	Water Cum	Oil Gain	Cum Oil	Water Salinity	pH	Sand		
	YYY/MM/DD	HH:mm	°C	kPa(g)	kPa(g)	mm	kPa(g)	kPa	°C	mm	10 ³ m ³ /d	10 ³ m ³	kPa(g)	kPa	°C	10 ³ m ³ /d	10 ³ m ³	m ³	%	m ³	m ³	m ³	m ³	ppm		%		
86	2013/03/03	02:30		1913	2663	50.80				0.00									0							0.00		
87		03:00		2412	2649																							
88		03:30		2920	2639																							
89		04:00		3380	2621	0.00	0.0	0.00	0.0	0.00	0.000	0.000	0	0.00	0	0.000	0.000	0.00	0	0.00	0.00	0.00	35.50	0	0	0.00		
90		04:00	Open well on an adjustable 48/64 (19.05mm) choke.																									
91		04:04	Increased to 2" (50.80mm) choke.																									
92		04:05	-17	816	2525																							
93		04:06	Fluid to surface.																									
94		04:10	-2	204	2592																							
95		04:15	2	7	2521																							
96		04:30	1	5	2540																							
97		04:45	-5	12	2484																							
98		05:00	-7	10	2471													2.88	0	0.00	0.00	2.88	38.38	0	0	0.10		
99		05:00	API = 46.4 @ 60F, specific gravity of 0.795.																									
100		05:30	-9	4	2457																							
101		06:00	-15	2	2453	0.00	0.0	0.00	0.0	0.00	0.000	0.000	0	0.00	0	0.000	0.000	0.00	0	0.00	0.00	0.00	38.38	0	0	0.00		
102			***Daily production summary*** ((March 2nd @ 12:40hrs to March 3rd @ 06:00hrs))																									
103			Daily Hours Flowed = 10Hrs, 40mins												Cumm. Hours Flowed = 10Hrs, 40mins													
104			Daily load fluid Recovered = 38.38 m ³												Cumm. load fluid Recovered = 38.38 m ³													
105			Daily Oil produced = 0.00 m ³												Cumm. Oil produced = 0.00 m ³													
106			Daily Burnable Gas Produced to Flare = 0.000 10 ³ m ³												Cumm. Burnable Gas to Flare = 0.000 10 ³ m ³													
107			Initial load fluid to recover = 164.8 m ³												Load fluid left to recover = 126.42 m ³													