

PROGRAMMED FTD :	2020		
DAYS (MI & RU) :	13.59	AFE # :	12D0006
DAYS (FROM SPUD) :	40.41	AFE AMT. :	
PLANNED DAYS :	54.00	CO. WI (%) :	

First Report: 24-Jan-13

KB ELEVATION:	161.24	GROUND ELEVATION:	155.39	CBF ELEVATION:	155.89
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# DAILY COMPLETIONS REPORT

Well Name : MGM-Shell East Mackay I-78				Licence # : 1202-002		Date: 8-Mar-13	
Dpth @ 24:00 2001	Progress (m)	Operation @ 24:00 Hours Pressure Testing Treating Lines	08-Mar-2013	Operation @ 07:00 Hours Gas Lifting Fluid with N2	09-Mar-2013	Depth @ 07:00 Hr. 2001	

## DRILLING FLUID

Type :			Mud Engineer:		Cell # :		Office # :		Mud Co.:								
MUD CHECK			#1	#2	ADDITIVES		SKS		BOTTOM HOLE ASSEMBLY		SURVEYS						
Time									Description		OD (mm)	ID (mm)	Length	Thread	Depth	Degrees	Azi.
Depth																	
Density																	
Viscosity																	
Water Loss																	
pH																	
Filter Cake																	
P.V.																	
Y.P.																	
Gels 10 sec.																	
Gels 10 min.																	
Low "N"																	
Low "K"																	
Brk YP																	
Brk 0.5 rpm																	
Chloride																	
Calcium																	
Sand %																	
Solids %																	
Oil Content %																	
MBT																	
Mud Gradient																	
Last Csg MD:																	
Last Csg TVD:																	
MACP:																	
RSPP:																	
RSP Strokes:																	

## BIT DATA

No.	Size-mm	Type	Serial No.	Jets (mm)	In	Out	Metres	Bit Hrs.	ROP	Cum Hrs	Ti	To	D	Loc	B	G	O	R

## DRILLING PARAMETERS

No.	WOB	RPM	Str. Wt.	Pressure	SPM #1	SPM #2	SPM #3	DP Vel	DC Vel	Noz Vel	m3 / Min

## PUMP DATA

No.	Type	m3 / Stk	Eff (%)	Liner Sz.	Stk.Lgth.
#1					
#2					
#3					

## FROM TO 24 HOUR SUMMARY

00:00	01:45	Leak on DSA hammer Union at Wellhead. Bled off and Hammered up. Pressured up to 35Mpa. Small Leak on Hammer Union on																	
01:45	01:45	Reel Connection, Bled off and Hammered up. Circulated 10m3 at 250/min Frac Oil through System to Warm up.																	
01:45	04:00	Pressure Tested to 35Mpa for 10 Min with no leaks.																	
04:00	04:00	Opened up Well. SITP = 3.8Mpa. Start to RIH with Mill at 25m/min Pumping 70l/min of Frac Oil. Pull Tested at 1000m and 1750m.																	
04:00	04:00	Kicked Pump out at 1820m and slowed to 4m/min. Pass through R Nipple at 1813.47mKB, slight change on Weight Indicator.																	
04:00	04:00	Continued and Passed through R Nipple at 1833.47mKB. Tagged first Frac Seat at 1849.5m Coil Depth.																	
04:00	04:45	Pulled off Tag to 1844m and increased Pump Rate to 350l/min. Coil Pressure = 11.1Mpa, WP = 1.3Mpa.																	
04:45	04:45	Worked back down to Tag and started Milling on Frac Seat. (15-20min to Mill Ball and Seat).																	
04:45	04:45	Cut Rate to 300l/min and Milled down to 1854.5m. Pump started jacking. Appear to be through first Ball and Seat. Cut Rate to 250l/m																	
04:45	04:45	and Pump still Jacking. Reduced to 200l/min and Pump is Better but not great. Pulled Coil back up to 1800m.																	
04:45	06:30	Troubleshoot Pump. Vac Truck Cleaned Plumbing and Pump. Inspected Suction Valves etc.. Removed and Replaced Valves.																	
06:30	07:00	Put Pump back together and Cycle.																	
07:00	07:00	Held Safety and Operations Meeting with all Personnel. Reviewed JSA's and Discussed Hazard Controls.																	
07:00	09:30	Second Deck Engine on Baker Twin Pumper went down. (Both Pumps down with possible Turbo Problems) Baker Mechanic																	
09:30	09:30	and Crew Troubleshooting Pump Problem.																	
09:30	11:00	Held Tailgate Meeting. Reviewed and Discussed Job Scope Change with all Personnel, Reviewed JSA.																	
11:00	11:00	Rigged in Cascade Hot Oil to Pump System and Pressure Tested Fluid Lines to 30Mpa and N2 Lines to 30Mpa.																	
11:00	12:30	Broke Circulation to Testers, Set Fluid Rate at 200l/min and N2 Rate at 20scm/min. Run in Hole with Coil, Tagged second Ball at																	
12:30	12:30	1870.66mKB, (Coil Depth at 1874.4mKB)																	
12:30	13:00	Started Milling on Ball and Seat. Hot Oilers seal between Fluid end and Power end leaking. Shut down and Rigged out Hot Oiler.																	
13:00	13:00	Pulled Coil back to 1840m and Parked.																	
13:00	15:00	Waited on Baker Mechanic and Crew to Remove Turbo from N2 Pumper and install on Fluid Pumper Deck Engine. Started, Warmed																	
15:00	15:00	up and Tested Pump.																	
15:00	15:30	Broke Circulation with straight Fluid at 300l/min																	
15:30	16:30	Started to Mill on Second Ball and Seat at 1870.66mKB. Coil Pressure 8-12Mpa, Wellhead at 0.5 to 1.5Mpa. Milled out Ball and Seat																	
16:30	16:30	in 1 Hour 10 Mins.																	
16:30	18:30	Tagged Third and Last Ball at 1883.47mKB (1886.97 Coil Depth). Milled out Ball and Seat in 1 Hour 5 Mins. Run in Hole with Coil																	
18:30	18:30	to 1890.0m and Circulated 2 Bottoms Up. Pull out of Hole with Coil																	
18:30	19:00	Held Safety and Operations Meeting with all Personnel. Reviewed JSA's and Discussed Hazard Controls.																	
19:00	20:00	Continued to Trip out with Coil. Stopped Pumping at 600m																	
20:00	21:00	On Surface, Isolated from Well and Broke down BHA, Inspected Mill and it had minimal wear.																	
21:00	22:00	Dress 50.8mm Coil and Prep for Dimple Connector. Installed Dimple Connector and Pull Tested to 6, 12 and 18daN																	
22:00	00:00	Make up BHA as Follows: X/O = 0.11m, TMA = 0.43m, Wear Sub = 0.20m, Nozzle (4 up 1 down) = 0.15m, Total Length = 0.89m																	
00:00		Connect Riser to top of BOP. Started to Fill Lines for Pressure Test. Leak on 2" Hammer Union																	
		Daily fuel : 4,438 litres Total fuel : 310,926 litres																	

OPERATION NEXT 24 HRS : Continue Gas Lifting Fluid with N2, Flow and Test the Canol Formation

Total:

BOILER HRS: 24.00 TOTAL DAILY HRS: 24.00

		HOLE CONDITION : completion string & dog nut landed & well head installed				BOILER HRS:	24.00	TOTAL DAILY HRS:	24.00
Completion Sup :	Bob Camduff	Shack # :	403-648-9064	Road / Lease Condition :	Road is holding together vey well. Location is in good shape				
Drilling Consultant :	Trevor Mitchell	Email:	rig_supervisor@mgmenergy.com	Shack Cell # :	(403) 536-9970				
Temp (C) :	-19	Weather :	10kph E Wind & Overcast		Taken By : John Williams / Dick Heenan				
Date Last BOP Drill :		Daily Cost :	\$222,900	Cum Cost :	\$22,696,759	AFE Remaining :	\$0		

**East Mackay I-78 - 2013****Daily HSE Report**

**Location:** East Mackay Project  
**Operator:** MGM. Energy Corp.  
**Supervisors:** Marty Larson - Larry Blundon

**Date:** Friday, March 08, 2013

**Weather:** High Temp -15 C

**Personnel in Camp:** 59

**Regulator Contact:** No regulator contact occurred.

**Safety:** No safety issues were noted.

**Safety Tracking**

	Hazard ID	Near Miss	Incidents
<b>Daily</b>	2	1	0
<b>Previous</b>	309	4	15
<b>Total</b>	311	5	15

**Environmental:** Spill occurred on the early morning of March 8, 2013 at the well site. Approximately 70 litres of frac oil was released to the ice surface on the well site. The spill was a result of a pumper truck needle valve being frozen open and being covered in snow & ice. The thawing of ice and the valve allowed the frac oil to escape through the open valve. The spill material was cleaned up by hand and the vac truck. The recovered frac oil was put back into the tank, while the contaminated ice & snow was taken to the evaporator.

A release of approximately 30 litres of frac oil occurred when a 4 inch hose was disconnected before the line was properly purged of the liquid. The 30 litres of frac oil was released into the secondary containment surround the 400 bbl tanks. A vac truck was used to recover the released fluid. This release was not recorded as an spill as it was contained & did not hit the ground. This was recorded as a near miss

Wildlife Sighting - 1 wolf

**Environmental Tracking**

	Orientations	Spills	Wildlife
<b>Daily</b>	7	1	1
<b>Previous</b>	437	35	46
<b>Total</b>	444	36	47

**Hazard Identification of the Day:**

**Unsafe Act:** More Light plants need to be set up around tank farm

**Corrective Action:** Light towers were moved around to light up the tank farm

# DAILY COMPLETIONS REPORT

PROGRAMMED FTD :	2020
DAYS (MI & RU) :	13.59
DAYS (FROM SPUD) :	41.41
ALL DAYS :	55.00
First Report:	24-Jan-13
AFE # :	12D0006
AFE AMT. :	
CO. WI (%) :	
Well Name :	MGM-Shell East Mackay I-78
Depth @ 24:00	Progress (m)
2001	Gas Lifting with N2

KB ELEVATION:	161.24	GROUND ELEVATION:	155.39	CBF ELEVATION :	155.89
Licence # :	1202-002	Date:	9-Mar-13	Operation @ 07:00 Hours	10-Mar-2013
Operation @ 07:00 Hours	Gas Lifting Fluid with N2	Depth @ 07:00 Hr.	2001		

## DRILLING FLUID

Type :	Mud Engineer:	Cell # :	Office # :	Mud Co.:
MUD CHECK	#1	#2	ADDITIVES	SKS
Time				
Depth				
Density				
Viscosity				
Water Loss				
pH				
Filter Cake				
P.V.				
Y.P.				
Gels 10 sec.				
Gels 10 min.				
Low "N"				
Low "K"				
Brk YP				
Brk 0.5 rpm				
Chloride				
Calcium				
Sand %				
Solids %				
Oil Content %				
MBT				
Mud Gradient				
Last Csg MD:				
Last Csg TVD:				
MACP:				
RSP:				
RSP Strokes:				
			Daily	Cum.
			Mud (\$)	
			Water (\$)	

## BIT DATA

No.	Size-mm	Type	Serial No.	Jets (mm)	In	Out	Metres	Bit Hrs.	ROP	Cum Hrs	Ti	To	D	Loc	B	G	O	R

## DRILLING PARAMETERS

No.	WOB	RPM	Str. Wt.	Pressure	SPM #1	SPM #2	SPM #3	DP Vel	DC Vel	Noz Vel	m3 / Min

## PUMP DATA

No.	Type	m3 / Stk	Eff (%)	Liner Sz.	Stk.Lgth.
#1					
#2					
#3					

## FROM TO

## 24 HOUR SUMMARY

00:00	01:00	Used Vac Truck to Drain Treating Line and allow Valve Removal / Replacement. Valve Replaced, Start to fill and Pressure Test.																
01:00	01:00	Low of 2Mpa with no Leaks, Increased to 30Mpa and hold for 10 Minutes.																
01:00	02:30	Opened up to Well. SITP = 250Kpa. Start to Run in Hole with Nozzle Mill at 10m/min Pumping 15 scm/min N2. Increased to 25m/min at																
02:30	02:30	500m. Continued with 15scm with 180 - 200l/min to Testers.																
02:30	03:00	Increased N2 Rate to 20scm/min and Fluid Returns continued at 180 - 200l/min.																
03:00	04:00	Tagged Plug at 1941.7m Coil Depth. Pull up 5m and Continue Gas Lift. Well Pressure = 1.5Mpa																
04:00	05:15	21m3 Recovered. Decreased N2 to 15 scm/min and Rate of Return has decreased to 40 - 50l/min. Coil Parked at 1937m																
05:15	06:15	1.4m3 Recovered in the past Hour at 15 scm/min. Well Pressure = 1.0Mpa																
06:15	06:30	1.45m3 Recovered in the past Hour at 15 scm/min. Well Pressure = 1.2Mpa. Coil Pressure = 3.2Mpa. Reduced Rate to 10scm/min.																
06:30	07:00	Held Safety and Operations Meeting with all Personnel. Reviewed JSA's, Discussed Hazards and Controls.																
07:00	10:30	Increased N2 rate back to 15 scm/min. Fluid Returns at 0.9 - 1.2m3/hr. Continue to Gas Lift with N2.																
10:30	10:30	Time Tubing (Kpa) Coil (Kpa) Choke (mm) Fluid Rate (m3/hr) N2 Rate (scm/min) Sand % API																
10:30	10:30	08:00 147 0 50.80 1.70 0 0 46.7																
10:30	10:30	10:00 1 0 50.8 0.93 0 0 46.9																
10:30	10:30	10:30 1 0 50.8 0.93 0 0 46.9																
10:30	11:00	Shut Down N2. Shut in at Coil Reel and Bleed off N2 Surface Line. Pulled Coil back to 1806m, Left Tubing Open to Testers and Monitor.																
11:00	12:30	Sucked out Baker Fluid Pump and Lines with Vacuum Truck. Moved Pumper away from Tank Farm and tied N2 Directly into Coil Reel.																
12:30	12:30	Pressure Tested Line to 30Mpa.																
12:30	13:00	Opened up to Coil and continued Gas Lifting with N2 at 15 scm/min. Run in Hole with Coil to 1935m and Park.																
13:00	18:30	Time Tubing (Kpa) Coil (Kpa) Choke (mm) Fluid Rate (m3/hr) N2 Rate (scm/min) Sand % API																
18:30	18:30	13:00 166 2700 50.80 1.70 0 0 47.2																
18:30	18:30	14:00 101 3000 50.80 1.50 0 0 46.9																
18:30	18:30	15:00 87 1800 50.80 0.60 0 0																
18:30	18:30	15:30 Increased N2 Rate to 20 scm/min.																
18:30	18:30	16:00 138 2000 50.80 0.60 0 0																
18:30	18:30	17:00 136 2500 50.80 1.10 0 0 47.6																
18:30	18:30	18:00 114 2600 50.80 0.80 0 0																
18:30	19:00	Held Safety and Operations Meeting with all Personnel. Reviewed JSA's, Discussed Hazards and Controls.																
19:00	00:00	Time Tubing (Kpa) Coil (Kpa) Choke (mm) Fluid Rate (m3/hr) N2 Rate (scm/min) Sand % API																
00:00	00:00	19:00 98 2850 50.80 0.80 0 0																
00:00	00:00	20:00 91 2360 50.80 0 0 0																
00:00	00:00	21:00 N2 Rate at 15 scm/min																
00:00	00:00	22:00 135 1960 50.80 1.11 0 0																
00:00	00:00	24:00 128 2230 50.80 0.58 0 0																
00:00	00:00	Increased N2 Rate at Midnight to 20 scm/min. Coil Parked at 1934m																
		Daily fuel : 6,373 litres Total fuel : 317,299 litres																

## OPERATION NEXT 24 HRS : Continue Gas Lifting Fluid with N2, Flow and Test the Canol Formation

## Total:

Completion Sup :	Bob Camduff	HOLE CONDITION :	completion string & dog nut landed & well head installed	BOILER HRS:	24.00	TOTAL DAILY HRS:	24.00
Drilling Consultant :	Trevor Mitchell	Shack # :	403-648-9064	Road / Lease Condition :	Road is holding together very well. Location is in good shape		
Temp (C) :	-15	Email:	rig_supervisor@mgmenergy.com	Shack Cell # :	(403) 536-9970		
Date Last BOP Drill :		Weather :	10kph E Wind & Overcast	Taken By :	John Williams / Dick Heenan		
		Daily Cost :	\$367,133	Cum Cost :	\$23,024,444	AFE Remaining :	\$0



**East Mackay I-78 - 2013****Daily HSE Report**

**Location:** East Mackay Project  
**Operator:** MGM. Energy Corp.  
**Supervisors:** Marty Larson - Larry Blundon

**Date:** Saturday, March 09, 2013

**Weather:** High Temp -9 C

**Personnel in Camp:** 60

**Regulator Contact:** No regulator contact occurred.

**Safety:** No safety issues were noted.

**Safety Tracking**

	Hazard ID	Near Miss	Incidents
Daily	4	0	0
Previous	311	4	15
Total	315	4	15

**Environmental:** Semi-vac driver reported a 0.5 litre glycol anti-freeze spill that occurred at the staging area when a line between a truck & the pup cracked. The anti-freeze spilled onto the ice surface and was scrapped up. Approximately 2 litre of anti-freeze, snow & ice was recovered and placed into a lined C-can for disposal.

1 wildlife sighting -Lynx

**Environmental Tracking**

	Orientations	Spills	Wildlife
Daily	1	1	1
Previous	444	36	47
Total	445	37	48

**Hazard Identification of the Day:**

**Unsafe Act:** Worker was about to walk in an unsafe zone.

**Corrective Action:** Worker was told not to walk on passenger side of coil truck real or near well head when pumping N2 through coil to energize the well.



## DAILY COMPLETIONS REPORT

PROGRAMMED FTD :	2020		
DAYS (MI & RU) :	13.59	AFE # :	12D0006
DAYS (FROM SPUD) :	42.41	AFE AMT. :	
TOTAL DAYS :	56.00	CO. WI (%) :	

KB ELEVATION:	161.24	GROUND ELEVATION:	155.39	CBF ELEVATION :	155.89
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1 First Report:		24-Jan-13			
Well Name :		MGM-Shell East Mackay 1-78		Licence # :	
				1202-002	
Date:		10-Mar-13			
Dpth @ 24:00		Progress (m)		Operation @ 24:00 Hours	
2001		Gas @ 24:00 Hours		10-Mar-2013	
		Operation @ 24:00 Hours		11-Mar-2013	
		Gas Lifting Fluid with N2		Depth @ 07:00 Hr.	
				2001	

## DRILLING FLUID

[illegible]

## BIT DATA

[illegible]

### DRILLING PARAMETERS

[illegible]

## PUMP DATA

No.	Type	m3 / Stk	Eff (%)	Liner Sz.	Stk.Lgth.
#1					
#2					
#3					

FROM	TO	24 HOUR SUMMARY
1000	1100	
1100	1200	
1200	1300	
1300	1400	
1400	1500	
1500	1600	
1600	1700	
1700	1800	
1800	1900	
1900	2000	
2000	2100	
2100	2200	
2200	2300	
2300	2400	

[illegible]

OPERATION NEXT 24 HRS : Continue Gas Lifting Fluid with N2, Flow and Test the Canol Formation										Total:							
HOLE CONDITION : completion string & dog nut landed & well head installed										BOILER HRS:		24.00		TOTAL DAILY HRS: 24.00			
Completion Sup :		Bob Camduff		Shack # :		403-848-9064		Road / Lease Condition :		Road is holding together very well. Location is in good shape							
Drilling Consultant :		Trevor Mitchell		Email:		rig_supervisor@mgmenergy.com		Shack Cell # :		(403) 536-9970							
Temp (C) :		-11		Weather :		10kph W Wind & Overcast		Taken By :		John Williams / Dick Heenan							
Date Last BOP Drill :				Daily Cost :		\$109,570		Cum Cost :		\$23,134,014		AFE Remaining :		\$0			

**East Mackay I-78 - 2013****Daily HSE Report****Location:** East Mackay Project**Date:** Sunday, March 10, 2013**Operator:** MGM. Energy Corp.**Supervisors:** Marty Larson - Larry Blundon**Weather:** High Temp -9 C**Personnel in Camp:** 57**Regulator Contact:** No regulator contact occurred.**Safety:** No safety issues were noted.**Safety Tracking**

	Hazard ID	Near Miss	Incidents
Daily	2	0	0
Previous	315	4	15
Total	317	4	15

**Environmental:** No environmental Issues were noted.

1 wildlife sighting -Lynx

**Environmental Tracking**

	Orientations	Spills	Wildlife
Daily	2	0	1
Previous	445	37	48
Total	447	37	49

**Hazard Identification of the Day:****Unsafe Act:**Tools and equipment were left out on deck of pumper truck and could have fallen or caused a tripping hazard.**Corrective Action:**Make sure all tools and equipment is put away when you're finished working.

PROGRAMMED FTD :	2020		
DAYS (MI & RU) :	13.59	AFE # :	12D0006
DAYS (FROM SPUD) :	43.41	AFE AMT. :	
TOTAL DAYS :	57.00	CO. WI (%) :	

## DAILY COMPLETIONS REPORT

KB ELEVATION:	161.24	GROUND ELEVATION:	155.39	CBF ELEVATION :	155.89
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First Report:		24-Jan-13							
Name :		MGM-Shell East Mackay I-78		Licence # :		1202-002		Date:	
								11-Mar-13	
Dpth @ 24:00	Progress (m)	Operation @ 24:00 Hours	11-Mar-2013	Operation @ 07:00 Hours		12-Mar-2013		Depth @ 07:00 Hr.	
2001		Gas Lifting Fluid with N2		Gas Lifting Fluid with N2				2001	

## DRILLING FLUID

[illegible]

## BIT DATA

[illegible]

### DRILLING PARAMETERS

[illegible]

## PUMP DATA

No.	Type	m3 / Stk	Eff (%)	Liner Sz.	Stk.Lgth.
#1					
#2					
#3					

FROM TO 24 HOUR SUMMARY

02:00	02:00	Continued to Gas Lift Fluid with N2.												
02:00	02:00	Time	Tubing (Kpa)	Coil (Kpa)	Choke (mm)	Fluid Rate (m3/hr)	N2 Rate (scm/min)	Sand %	API					
02:00	02:00	01:00	56	1930	50.80	0.34	0	0						
02:00	02:00	02:00	N2 Rate at 0 scm/min											
02:00	02:00	04:00			50.80	0.00	0	0	45.7					
02:00	02:00	05:00	N2 Rate at 15 scm/min											
02:00	02:00	16:00			1720	50.80	0.19	0	0					
02:00	04:00	Pulled Coil up to 1800m and Stopped N2 Pumper. Well Static with no Flow. Wait for 2 Hours												
04:00	05:00	Pressured up Coil with N2 and Lower to 1930m while Pumping at 15 scm/min. Fluid Sample changed to a Milky Brown Color.												
05:00	05:15	870 Liters Recovered then N2 Pumper Lost Prime. Pump Coupling Failed. Cooled down Back up Unit.												
05:15	06:30	Started Pumping N2 at 15 scm/min. 190 Liters Recovered from 5am to 6am.												
06:30	07:00	Held Safety and Operations Meeting with all Personnel. Reviewed JSA's. Discussed Hazards and Controls.												
07:00	23:59	Daily Hours Flowed = 24hrs					Cumulative Hours Flowed = 130hrs							
23:59	23:59	Daily Load Fluid Recovered = 7.86m3					Cumulative Load Fluid Recovered = 275.41m3							
23:59	23:59	Initial Load Fluid to Recover = 388.80m3					Load Fluid left to Recover = 113.39m3							
23:59	23:59	<b>Fluid Returns Dark in Color and has some Odor. 8% LEL at Meter Run when Making Fluid. Continued Gas Lift Fluid with N2.</b>												
23:59	23:59	Time	Tubing (Kpa)	Coil (Kpa)	Coil Depth (m)	Fluid Rate (m3/hr)	N2 Rate (scm/min)	Sand %	API					
23:59	23:59	07:00	62	1860	1920	0.37	15	0						
23:59	23:59	07:10 N2 out. Pull up above Perfs												
23:59	23:59	09:30	07	270	1800	Recovered 290 Liters While Coil Bled off.								
23:59	23:59	09:30 N2 Online at 15 scm/min												
23:59	23:59	11:00	120	1470	1930	Recovered 1.16m3 while Pumping N2.								
23:59	23:59	11:00 N2 out. Pull up above Perfs												
23:59	23:59	14:00	10	520	1840									
23:59	23:59	14:00 N2 Online at 15 scm/min												
23:59	23:59	15:00	78	1910	1925	1.02	15	0						
23:59	23:59	Recovered 2.67m3 in the last 9 Hours.												
23:59	23:59	15:30	N2 out.		Recovered 1.13m3 while Pumping N2.									
23:59	23:59	16:00	04	250	1820									
23:59	23:59	18:30	N2 Online at 15 scm/min		Recovered 111 Liters While Coil Bled off.									
23:59	23:59	20:00	88	1700	1930									
23:59	23:59	20:00	N2 out.		Recovered 1.11m3 while Pumping N2.									
23:59	23:59	Pulled Coil above Perfs. No Pressure on Wellhead and no Flowback with N2 out.												
23:59	23:59	23:00	N2 Online at 15 scm/min		Run in Hole and Park Coil at 1930m									
23:59	23:59	20:30	160	2450	1930	.32	15							
		Daily fuel : 4.153 litres. Total fuel : 326.225 litres.												

OPERATION NEXT 24 HRS : Continue Gas Lifting Fluid with N<sub>2</sub> Flow and Test the Canol Formation

OPERATION NEXT 24 HRS : Continue Gas Lifting fluid with RZ; flow and test the Gator formation		HOLE CONDITION : completion string & dog nut landed & well head installed		BOILER HRS: 24.00		TOTAL DAILY HRS: 24.00	
Completion Sup : Bob Carnduff		Shack # : 403-648-9064		Road / Lease Condition : Road is holding together very well. Location is in good shape			
Drilling Consultant : Trevor Mitchell		Email: rig_supervisor@mgmenergy.com		Shack Cell # : (403) 536-9970			
Temp (C) : -17		Weather : 10kph W Wind & Partly Cloudy		Taken By : John Williams / Dick Heenan			
Date Last BOP Drill :		Daily Cost : \$172,010		Cum Cost : \$23,307,723		AFE Remaining : \$0	



**East Mackay I-78 - 2013****Daily HSE Report**

**Location:** East Mackay Project  
**Operator:** MGM. Energy Corp.  
**Supervisors:** Marty Larson - Larry Blundon

**Date:** Monday, March 11, 2013

**Weather:** High Temp -9 C

**Personnel in Camp:** 54

**Regulator Contact:** No regulator contact occurred.

**Safety:** No safety issues were noted.

**Safety Tracking**

	Hazard ID	Near Miss	Incidents
Daily	4	0	0
Previous	317	4	15
Total	321	4	15

**Environmental:** No environmental Issues were noted.

Wildlife Card : 1 Wolverine

**Environmental Tracking**

	Orientations	Spills	Wildlife
Daily	3	0	1
Previous	447	37	49
Total	450	37	50

**Hazard Identification of the Day:**

**Unsafe Act:** Worker walks under boom when the crane was lifting a load.

**Corrective Action:** Went over a spoke to worker and told him should never walk under a boom arm while it is lifting a load.



**East Mackay I-78 - 2013****Daily HSE Report**

**Location:** East Mackay Project  
**Operator:** MGM. Energy Corp.  
**Supervisors:** Marty Larson - Larry Blundon

**Date:** Tuesday, March 12, 2013

**Weather:** High Temp -13 C

**Personnel in Camp:** 56

**Regulator Contact:** No regulator contact occurred.

**Safety:** No safety issues were noted.

**Safety Tracking**

	Hazard ID	Near Miss	Incidents
Daily	3	0	0
Previous	321	4	15
Total	324	4	15

**Environmental:** No environmental Issues were noted.

**Environmental Tracking**

	Orientations	Spills	Wildlife
Daily	2	0	0
Previous	450	37	50
Total	452	37	50

**Hazard Identification of the Day:**

**Unsafe Act:** Due to cold temperatures there could be a build up of Propane in the scrubbers.

**Corrective Action:** Check for ignition sources before trying to bleed down systems, wear proper PPE and have good communication with all workers in the area.



OPERATION NEXT 24 HRS : Continue Gas Lifting Fluid with N2, Flow and Test the Canol Formation				Total:							
HOLE CONDITION : completion string & dog nut landed & well head installed				BOILER HRS:		24.00	TOTAL DAILY HRS: 24.				
Completion Sup :		Bob Carnduff	Shack # :	403-648-9084	Road / Lease Condition :	Road is holding together very well. Location is in good shape					
Drilling Consultant :		Trevor Mitchell	Email:	rig_supervisor@mngmenergy.com	Shack Cell # :	(403) 536-9970					
Temp (C) :		-19	Weather:	7kph W Wind & Clear	Taken By :	John Williams / Dick Heenan					
Date Last BOP Drill :			Daily Cost :	\$238.514	Cum Cost :	\$23,878.127	AFE Remaining :		\$0		

**East Mackay I-78 - 2013****Daily HSE Report**

**Location:** East Mackay Project  
**Operator:** MGM. Energy Corp.  
**Supervisors:** Marty Larson - Larry Blundon

**Date:** Wednesday, March 13, 2013

**Weather:** High Temp -10 C

**Personnel in Camp:** 54

**Regulator Contact:** No regulator contact occurred.

**Safety:** No safety issues were noted.

**Safety Tracking**

	Hazard ID	Near Miss	Incidents
Daily	4	0	0
Previous	324	4	15
Total	328	4	15

**Environmental:** A four litre diesel spill associated with a picker truck on the staging area was reported by the Terracore supervisor. The spill was a result of a fuel line valve freezing, causing one of the fuel tanks to pressurize. When the lid was removed from the pressurized tank, four litres of diesel was spilled onto the ice surface. The four litres of diesel plus approximately 20 litres of snow & ice was cleaned up by chipping the ice & using absorbent pads. The contaminated snow was placed into the evaporator, while the absorbent rags were placed into the Oily Rag C-can for disposal.

Wildlife Cards - 2 rabbits & 2 moose.

**Environmental Tracking**

	Orientations	Spills	Wildlife
Daily	2	1	2
Previous	452	38	50
Total	454	39	52

**Hazard Identification of the Day:**

**Unsafe Act:** The berm was removed leaving holes that were caused by the steam hose.

**Corrective Action:** The crew put cones around till the loader was able to fill the holes with ice and snow to remove the tripping hazard





# East Mackay I-78 - 2013

## Daily HSE Report

Location: East Mackay Project  
 Operator: MGM. Energy Corp.  
 Supervisors: Marty Larson - Larry Blundon

Date: Thursday, March 14, 2013

Weather: High Temp -21 C

Personnel in Camp: 58

Regulator Contact: No regulator contact occurred.

Safety: No safety issues were noted.

### Safety Tracking

	Hazard ID	Near Miss	Incidents
Daily	3	0	0
Previous	328	4	15
Total	331	4	15

Environmental: No environmental issues were noted.

### Environmental Tracking

	Orientations	Spills	Wildlife
Daily	7	0	0
Previous	454	39	52
Total	461	39	52

### Hazard Identification of the Day:

Unsafe Act: The change in weather made surfaces slick when your boots have snow on them.

Corrective Action: Remind everyone to use 3 point contact when moving to different surfaces and going up stairs.

OPERATION NEXT 24 HRS :		Set Tubing Plug and Pressure Test Same. Release Wireline and Pressure Tester, Move Shacks and Equipment off Location.		Total:				
Completion Sup :		Bob Carnduff	Shack # :		403-648-9064	Road / Lease Condition :		Road is holding together very well. Location is in good shape
Drilling Consultant :		Trevor Mitchell	Email:		rig_supervisor@mgmenergy.com	Shack Cell # :		(403) 536-9970
Temp (C) :		-22	Weather :		7kph E Wind & Clear	Taken By :		John Williams / Dick Heenan
Date Last BOP Drill :			Daily Cost :		\$1 809.814	Cum Cost :		\$26 078.053
						AFE Remaining :		\$0

