

698507

v3

DAILY COMPLETIONS REPORT

PROGRAMMED FTD :	2020						
DAY (MI & RU) :	13.59						
DAIS (FROM SPUD) :	40.41						
TOTAL DAYS :	54.00 CO. WI (%) :						
First Report: 24-Jan-13							
Well Name :	MGM-Shell East Mackay I-78						
Depth @ 24:00	Progress (m)	Operation @ 24:00 Hours	08-Mar-2013	Operation @ 07:00 Hours	09-Mar-2013	CBF ELEVATION :	155.89
2001		Pressure Testing Treating Lines		Gas Lifting Fluid with N2		Depth @ 07:00 Hr.	2001

KB ELEVATION:	161.24	GROUND ELEVATION:	155.39	CBF ELEVATION :	155.89
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DRILLING FLUID

Type :	Mud Engineer:	Cell # :	Office # :	Mud Co.:
MUD CHECK	#1 #2	ADDITIVES	SKS	BOTTOM HOLE ASSEMBLY
Time				Description
Depth				OD (mm)
Density				ID (mm)
Viscosity				Length
Water Loss				Thread
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:				
BHA Length (m) : Total Length				
FLUID VOLUMES				
Bottoms Up (min)		PRE-MIX TANK		
Mud Cycle (min)		Volume (m3)		
Main Hole (m3)		Low "N"		
Mud Tanks (m3)		Low "K"		
Sump Vol. (m3)		Brk YP		
Total (m3)		Brk 0.5 rpm		
MUD-UP DEPTH:		Viscosity		
		Density		

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 250l/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/min				
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 Oiler 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/0 = 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:
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 very well. Location is in good shape
Drilling Consultant :	Trevor Mitchell	Email: rig.supervisor@mgnenergy.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
Daily	2	1	0
Previous	309	4	15
Total	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 an near miss

Wildlife Sighting - 1 wolf

Environmental Tracking

	Orientations	Spills	Wildlife
Daily	7	1	1
Previous	437	35	46
Total	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 move around to light up the tank farm

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 rear or near well head when pumping N2 through coil to energize the well.

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VS

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 (%) :
1st First Report:	24-Jan-13	
Item Name :	MGM-Shell East Mackay I-78	
Dpth @ 24:00	Progress (m)	Operation @ 24:00 Hours
2001		Gas Lifting Fluid with N2
		10-M

KB ELEVATION: 161.24 **GROUND ELEVATION:** 155.39 **CBF ELEVATION :** 155.89

DRILLING FLUID

DRILLING FLUID

DRILLING PARAMETERS

PUMP DATA

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

Daily fuel : 4,773 litres Total fuel : 322,072 litres

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

HOLE CONDITION : completion string & dog nut landed & well head installed				BOILER HRS:	24.00	TOTAL DAILY HRS:	24.00
Completion Sup :	Bob Carnuff	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) :	-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 :

East Mackay I-78 - 2013

Daily HSE Report

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

Date: Sunday, March 10, 2013

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.

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DAILY COMPLETIONS REPORT

PROGRAMMED FTD :	2020
DAYS (MI & RU) :	13.59
DAYS (FROM SPUD) :	43.41
TOTAL DAYS :	57.00

KB ELEVATION: 161.24 GROUND ELEVATION: 155.39 CBF ELEVATION: 155.89

First Report: 24-Jan-13

Time: MGM-Shell East Mackay I-78

Dpth @ 24:00 Progress (m) Operation @ 24:00 Hours 11-Mar-2013
2001 Gas Lifting Fluid with N2

Licence #:

1202-002

Date: 11-Mar-13

Operation @ 07:00 Hours

12-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
Time				Description OD (mm) ID (mm) Length Thread
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	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			0.30											
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			0.87											
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 Pump. 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 Pump 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 Recover = 388.80m3				Load Fluid left to Recover = 113.39m3											
23:59	23:59	Fluid Returns Dark in Color and has some Odor. 8% LEL at Meter Run when Making Fluid. Continued Gas Lift Fluid with N2.															
23:59	07:00	Time	Tubing (Kpa)	Coil (Kpa)	Coil Depth (m)	Fluid Rate (m3/hr)	N2 Rate (scm/min)	Sand %	API								
23:59	07:00	07:00	62	1860	1920	0.37	15	0									
23:59	07:10	N2 out. Pull up above Perfs															
23:59	09:30	09:30	07	270	1800	Recovered 290 Liters While Coil Bled off.											
23:59	09:30	N2 Online at 15 scm/min															
23:59	11:00	11:00	120	1470	1930	Recovered 1.16m3 while Pumping N2.											
23:59	11:00	N2 out. Pull up above Perfs															
23:59	14:00	14:00	10	520	1840												
23:59	14:00	N2 Online at 15 scm/min															
23:59	15:00	15:00	78	1910	1925	1.02	15	0									
23:59	15:30	N2 out.				Recovered 1.13m3 while Pumping N2.											
23:59	16:00	04	250	1820													
23:59	18:30	N2 Online at 15 scm/min				Recovered 111 Liters While Coil Bled off.											
23:59	20:00	20:00	88	1700	1930												
23:59	20:00	N2 out.				Recovered 1.11m3 while Pumping N2.											
23:59	23:00	N2 Online at 15 scm/min				Run in Hole and Park Coil at 1930m											
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 N2. Flow and Test the Canol Formation	Total:
Completion Sup :	Bob Carnduff	HOLE CONDITION : completion string & dog nut landed & well head installed
Shack # :	403-648-9064	BOILER HRS: 24.00
Road / Lease Condition :		TOTAL DAILY HRS: 24.00
Drilling Consultant :	Trevor Mitchell	Shack Cell # : (403) 536-9970
Temp (C) :	-17	Weather : 10kph W Wind & Partly Cloudy
Date Last BOP Drill :	Daily Cost : \$172,010	Taken By : John Williams / Dick Heenan
	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.

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v8

DAILY COMPLETIONS REPORT

PROGRAMMED FTD :	2020		
DAYS (MI & RU) :	13.59	AFE # :	12D0006
DAYS (FROM SPUD) :	45.41	AFE AMT. :	
TOTAL DAYS :	59.00	CO. WI (%) :	

KB ELEVATION: 161.24 GROUND ELEVATION: 155.39 CBF ELEVATION : 155.89

of First Report: 24-Jan-13

Name :	MGM-Shell East Mackay I-78		
Dpth @ 24:00	Progress (m)	Operation @ 24:00 Hours	13-Mar-2013

1202-002	13-Mar-13
Operation @ 07:00 Hours	14-Mar-2013
Gas Lifting Fluid with N2	2001

DRILLING FLUID

RSP Stro

DRILLING PARAMETERS

PUMP DATA

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

FROM

24 HOUR SUMMARY

Daily fuel : 5,947 litres Total fuel : 338,546 litres

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 Carnuff	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) :	-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	AEE 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 Previous	4	0	0
	324	4	15
	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 Previous	2	1	2
	452	38	50
	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

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v9

DAILY COMPLETIONS REPORT

PROGRAMMED FTD :	2020
DAY (MI & RU) :	13.59
DAYS (FROM SPUD) :	46.41
TOTAL DAYS :	60.00

KB ELEVATION: 161.24 GROUND ELEVATION: 155.39 CBF ELEVATION: 155.89

First Report: 24-Jan-13

Name: MGM-Shell East Mackay I-78			Licence #:	1202-002	Date:	14-Mar-13
Dpth @ 24:00 Progress (m) Operation @ 24:00 Hours 14-Mar-2013 2001 Completed Memory Log			Operation @ 07:00 Hours	15-Mar-2013	Depth @ 07:00 Hr.	2001

DRILLING FLUID

Type :	Mud Engineer:	Cell #:	Office #:	Mud Co.:															
MUD CHECK	#1	#2	ADDITIVES	SKS															
Time			BOTTOM HOLE ASSEMBLY																
Depth			Description	OD (mm)															
Density			ID (mm)	Length															
Viscosity			Thread																
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:																			
BHA Length (m) : Total Length																			
FLUID VOLUMES																			
Bottoms Up (min)		PRE-MIX TANK																	
Mud Cycle (min)		Volume (m3)																	
Main Hole (m3)		Low "N"																	
Mud Tanks (m3)		Low "K"																	
Sump Vol. (m3)		Brk YP																	
Total (m3)		Brk 0.5 rpm																	
MUD-UP DEPTH:		Viscosity																	
Mud (\$)		Density																	
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					PUMP DATA														
No.	WOB	RPM	Str. Wt.	Pressure	SPM #1	SPM #2	SPM #3	DP Vel	DC Vel	Noz Vel	m3 / Min	No.	Type	m3 / Stk	Eff (%)	Liner Sz.	Stk.Lgth.		
												#1							
												#2							
												#3							

24 HOUR SUMMARY											
00:00 07:30 Continued Gas Lifting Fluid with N2 using 1 hour with N2 and 1 hour without.											
07:30 07:30 Time Tubing (Kpa) Coil (Kpa) Coil Depth (m) Fluid Recovered (m3) N2 Rate (scm/min) Sand % API											
07:30 07:30 01:00 Backup up N2 Pumper went down 15 min after the first one. Mechanic Troube Shot Both Units.											
07:30 07:30 01:00 102 2060 1910 0											
07:30 07:30 02:30 N2 Pumper Repaired and back Pumping 15scm/min N2.											
07:30 07:30 03:00 120 2070 1910 0											
07:30 07:30 04:00 0 840 1932 0.56											
07:30 07:30 05:00 0 500 1932 0											
07:30 07:30 06:00 91 1910 1932 0.44											
07:30 07:30 07:00 76 1800 1938 0											
07:30 08:00 N2 Pumper Failed. Warmed up and Tested Second N2 Pumper.											
08:00 08:00 Held Safety and Operations Meeting with all Personnel. Reviewed JSA's, Discussed Hazards and Controls.											
08:00 10:00 Time Tubing (Kpa) Coil (Kpa) Coil Depth (m) Fluid Recovered (m3) N2 Rate (scm/min) Sand % API											
10:00 10:00 08:00 36 1580 1935 0.23											
10:00 10:00 09:00 98 1790 1930 0.30											
10:00 10:00 09:00 2 1930 0 (N2 Offline)											
10:00 10:00 09:30 42 1650 1931 0 (N2 Online at 15 scm/min)											
10:00 10:00 12:00 12 170 1938 0.28 (N2 Offline)											
10:00 13:00 Shut Down N2 and Left Tubing Open to Testers. Pulled out of Hole with Coil at 20 - 25m/min. Shut in Well											
13:00 13:00 Held Tailgate Safety Meeting with all Personnel. Reviewed Critical Lift Plan, Discussed Hazards and Controls.											
13:00 16:00 Pulled Coil Injector off Wellhead and Removed Jetting Nozzle. Made up Pure Energy PL Memory Tools, Stabbed back onto Wellhead.											
16:00 16:30 Displaced Coil and Testers Line with N2. Pressure Tested Coil and Wellhead Connections to 24Mpa. Bled off through Testers.											
16:30 SITP = 430Kpa											
19:00 19:00 Opened up Well and Run in Hole with Logging BHA on 50.8mm Coil Tubing.											
19:00 19:00 17:00 SITP = 510Kpa											
19:00 19:30 Held Safety and Operations Meeting with all Personnel. Reviewed JSA's, Discussed Hazards and Controls.											
19:30 21:15 Logged from 1500m - 1910m @ 4m/min. Pulled back to 1825m, Repeat Pass at 9m/min to 1910m. Pulled Back to 1825m. SITP = 51Kpa.											
21:15 21:15 Filled Wellbore with N2 at 15-25scm/min. SITP = 300Kpa.											
21:15 21:45 Opened up to Testers, Recovered Gas and Fluid Samples. No Burnable Gas to Surface.											
21:45 22:00 Shut Down N2 and allowed Coil Pressure to Stabilize.											
22:00 24:00 Made Second Logging Pass at 4m/min to 1910m. Pulled up to 1825mKB and logged down at 9m/min to 1910m. Pulled back up to 1825m											
24:00 24:00 and Pumped N2 at 15scm/min for 1 hour. No Fluid Returns during the 1 hour of Pumping.											
24:00 24:00 Continue Pumping N2 at 15scm/min. Log Down at 7m/min from 1825 - 1910mKB. No Fluid Returns during this step.											
24:00 24:00 Coil Pressure while Pumping = 1720Kpa, Well Pressure = 20Kpa. Log Completed.											
Daily fuel : 4,460 litres Total fuel : 343,006 litres											

OPERATION NEXT 24 HRS :			HOLE CONDITION :			BOILER HRS:			TOTAL DAILY HRS:		
Completion Sup :			Shack # :			Road / Lease Condition :			Road is holding together very well. Location is in good shape		
Drilling Consultant :			Email:			Shack Cell # :			(403) 536-9970		
Temp (C) :			Weather :			Taken By :			John Williams / Dick Heenan		
Date Last BOP Drill :			Daily Cost :			\$389,912			\$24,268,039		
						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: 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.

698507

V 11

PROGRAMMED FTD :	2020
DAY (MI & RU) :	13.59
DAY (FROM SPUD) :	48.41
TOTAL DAYS :	62.00 CO. WI (%) :

DAILY COMPLETIONS REPORT

KB ELEVATION: 161.24 GROUND ELEVATION: 155.39 CBF ELEVATION: 155.89

Date of First Report: 24-Jan-13

Well Name :	MGM-Shell East Mackay I-78	Licence # :	1202-002	Date:	16-Mar-13
Dpth @ 24:00 2001	Progress (m)	Operation @ 24:00 Hours	16-Mar-2013	Operation @ 07:00 Hours	17-Mar-2013

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:				
RSPP:				
RSP Strokes:				
	Daily	Cum.		
	Mud (\$)			
	Water (\$)			
			MUD-UP DEPTH:	

BIT DATA

No.	Size-mm	Type	Serial No.	Jets (mm)	In	Out	Metres	Bit Hrs.	ROP	Cum Hrs	T1	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	07.00	Wait on Daylight to Rig in Pure Energy Slickline Unit. Unable to Pressure Test Tubing Plug.															
07.00	07.30	Held Safety and Operations Meeting with all Personnel. Reviewed USA's, Discussed Hazards and Controls															
07.30	10.30	Tubing on Vacuum, CP = 20Kpa. Spotted and Rigged up Slickline with BOP and Full Lubricator.															
10.30	11.30	Pressure Tested Lubricator and Wellhead Connections to 5Mpa. Run in Hole with Pulling Tool, Tagged Fluid at 580m.															
11.30	12.30	Filled Tubing with 5.5m3 Clean Oil. Pressured up Tubing to 4.0Mpa and it Leaked off to 800Kpa in 10 mins. Bled off Pressure.															
12.30	12.30	Repeated Test with Same Results.															
12.30	13.30	Run in Hole with Pulling Tool. Latched onto Prong and Pulled from Lock. Pull out of Hole, Tubing did not go on Vacuum. Well holds Fluid Column.															
13.30	13.30	Inspected Prong. Seals were rolled back on Mandrel.															
13.30	15.00	Re-Dressed Prong and Run in Hole. Set Prong in 114.3mm "R" Lock at 1813.47mKB. Pull out of Hole with Slickline.															
15.00	16.00	Pressure Tested Tubing Plug and Wellhead Connections to 1400Kpa and 14.0Mpa for 10 Mins. Test good and Test Charted.															
16.00	16.00	Bled off Tubing Pressure to Pressure Truck and Shut in Well.															
16.00	18.00	Rigged Pressure Truck and Hot Oiler. Rigged out and Released Slickline.															
18.00	18.00	Loaded out Testing Equipment and Released Testers.															
18.00	18.00	Installed Cameron 3.98mm Back Pressure Valve in Tubing Hanger. Shut in Wellhead Valves and Plugged.															
18.00	18.00	Chained and Locked Wellhead, (Master Lock #2126) and gave Key to John Williams.															
18.00	20.00	Continue Loading out Testing Equipment, Matting and other Rental Loads. Clean up around Lease.															
20.00	24.00	Shut Down for the Night. Will resume Loading out the Remainder of the Rental loads, Matting, Shacks, Etc... from Location Tomorrow Morning.															
24.00																	
		Daily fuel : 10.640 litres Total fuel : 355.561 litres															

OPERATION NEXT 24 HRS:	Load out Remaining Shacks and Matting from Location, Remove Cellar Cribbing, Fill in Cellar, Clean up Location.	Total:	
Completion Sup:	Bob Carnuff	Boiler HRS:	24.00
Drilling Consultant:	Trevor Mitchell	Total Daily Hrs:	24.00
Temp (C):	-22		
Date Last BOP Drill:	Daily Cost : \$185,420	Cum Cost : \$26,263,473	AFE Remaining : \$0