



## APPROVAL TO DRILL A WELL

## APPLICATION

This application is submitted under Section 10 of the *Canada Oil and Gas Drilling and Production Regulations* (SOR/2009-0315). When granted under Section 13 of the Regulations, this form is the requisite approval for the commencement of well operations. An approved copy of this notice is to be posted at each drill site.

Well Name	MGM - Shell East MacKay I-78		Operator	MGM Energy Corp.	
Well Type	Exploratory Well		If Other Type, please specify	N/A	
NEB Operating Licence No.	1202		Operations Authorization No.	Pending	
Drilling Rig or Unit	37		Contractor	Akita Sahtu Drilling	
Licence No.	Exploration Licence 466		Estimated Well Cost	\$\$35,000,000.00	
Station Keeping	Not Applicable		Land Structure	Conventional Land	
Land Use Permit No.	S12A-001		Issued by:	Sahtu Land and Water Board	
Water Licence No.	S12L1-001		Issued by:	Sahtu Land and Water Board	
Location Unit	I	Section 78		Grid	64 50 125 30
Coordinates (NAD 27)	Surface	Lat 64 ° 47 ' 42.1 "		Long	125 ° 43 ' 19.1 "
	Bottom Hole	Lat 64 ° 47 ' 42.1 "		Long	125 ° 43 ' 19.1 "
Region	NWT Mainland				
Target Formation	Canol & Bluefish		Field/Pool	/	
Well Path	Vertical		Discovery Well		
Elevation KB/RT	160.7 m		Ground Level / Seafloor	155 m	
Approximate Spud Date	Jan 15 2013		Est. Days on Location	60 days	
Anticipated Total Depth	2020 m KB				

## EVALUATION PROGRAM

Sample Type	Top to Bottom Interval (m KB)	Sample Interval (m)	Comments
Select	20-2020	5.0	Interval may be altered by geologist due to recovery / penetration
Other	40-2020	Other	50m to 1800 & 5m to TD - mud gas isotubes
Select	-	Select	
Conventional Cores	1817-1965	Other	78 mm core as warranted
Logs and Tests	20-2020	Other	all SP-DIL-sonic-density- plus MREX-FLEX main hole

## CASING PROGRAM

O.D. (mm)	Weight (kg/m)	Grade	Setting Depth (m KB)
244	59.5	L-80	400 (or comperant formation)
178	38.7	L-80	2020

Additional Information

"I certify that the information provided on this form is true and correct"

Name	Richard Heenan	Telephone	(403) 781-7819 Ext
Job Designation	Drilling Manager	E-Mail	dick.heenan@mgmenergy.com
Operator	MGM Energy Corp.		

Signature

Date

2012/12/13

Responsible Officer of Company

## NATIONAL ENERGY BOARD APPROVAL

(Board Use Only)

This well approval is granted under section 13 of the *Canada Oil and Gas Drilling and Production Regulations* (SOR/2009-0315) and is subject to the terms and conditions attached to this approval and Operations Authorization No. OA-1202-002.

Job Designation	Chief Conservation Officer	Well Identifier	2078	Unique Well Identifier	300I786450125300
Signature	 NEB Authority		Date	16 January 2016	