

DAY	MONTH	YEAR
18	Jan	2017

EUB APPLICATION NUMBER					

APPLICANT FILE NUMBER _____

1. H₂S RELEASE RATE WELL PROGNOSIS BY POTENTIAL H₂S HORIZON

Formation Code	Formation Name	Drilling Case* (m ³ /s)	Completion/Service Case (m ³ /s)	Suspended/Producing Case (m ³ /s)
7816	SUNBURST	0.0001		
4410	BAKKEN 5900	0.0046	0.0185	0.0046

*Include formation encountered at total depth when completing drilling case

2. CUMULATIVE H₂S RELEASE RATE (RR)

	Drilling Case (m ³ /s)	Completion/Service Case (m ³ /s)	Suspended/Producing Case (m ³ /s)
Maximum Cumulative H ₂ S RR	0.0047	0.0185	0.0046

- Intermediate casing to be set..... Yes No
- Maximum H₂S concentration encountered in well 40,000 ppm 40.00 mol/kmol 4.00 %
- Anticipated suspended/producing level as per ID 97-06 Level 1 Level 2 Level 3 Level 4 N/A

3. CALCULATED EMERGENCY PLANNING ZONE (EPZ)

	Drilling Case (km)	Completion/Service Case (km)	Suspended/Producing Case (km)
Maximum Calculated EPZ	0.070	0.150	0.070
Number of occupied dwellings, public facilities, and/or places of business inside the calculated EPZ	0	0	0

- Distance to nearest surface development _____
- Distance to nearest urban centre _____
- A site specific ERP is required..... YES NO
- If YES, it has been submitted to the Air and Safety Compliance Section..... YES NO

4. OPERATIONAL DISCLOSURE

- Underbalanced drilling operations will be conducted..... YES NO
- The well will encounter reservoirs that will be subject to enhanced recovery or acid gas injection schemes, or CO₂ greater than 1 per cent in the producing formation..... YES NO

5. CRITICAL WELLS ONLY

- All equipment and practices for the drilling of this well will meet or exceed the requirements of ID 97-06 and IRP Volume 1..... YES NO