

Date: December 4th, 2018

Shell Canada Ltd PO Box 6848 6814 Airport Road Fort St John, BC, V1J 5T8

Attention: Jim Chramosta, Environmental and Regulatory Specialist

Re: <u>Shell Canada Certificate of Restoration Application (Part-II) for the Well Site Shell</u> Et Al HZ Groundbirch 01-27-80-21 W6M (WA # 28666)

This office has received an Application for a Certificate of Restoration (CoR-Part II), and a Surface Reclamation Assessment Report for wellsite (<u>Never drilled</u>) for the above referenced well authorization (WA # 28666) submitted by Eco-Web Ecological Consulting Ltd on behalf of Shell Canada Ltd on October 30th, 2018.

Based upon review of the information provided by the applicant, the reclamation inspection assessment report was reviewed and was found that the site has been fully reclaimed and the restoration of the site is satisfactory. Therefore, your application for a Certificate of Restoration approved and a copy of the Certificate of Restoration is enclosed (Certificate # 5908).

Please note Section 41(3) of the Oil and Gas Activities Act (OGAA) and section 47 (1) of the Environmental Management Act, which respectively read:

"The issuance of a certificate of restoration does not relieve a person from any obligations under section 40 or under an order referred to in subsection (1) (b) of this section in respect of any matter that was not known to the commission at the time the certificate of restoration was issued."

And:

"A person who is responsible for remediation of a contaminated site is absolutely, retroactively and jointly and separately liable to any person or government body for reasonably incurred costs of remediation of the contaminated site, whether incurred on or off the contaminated site."

Therefore Shell Canada Ltd remains liable for any contamination presently on site.

Any questions can be directed to the undersigned at (250) 794-234

Sincerely,

Taher Morsi, Ph.D., P.Ag Environmental Management Officer Operational Policy & Environment Resource Development & Stewardship Branch Telephone: 250-794-5234 Facsimile: 250-794-5380

E-Mail: Taher.Morsi@bcogc.ca

cc: Tim Sanderson, Eco-Web Ecological Consulting Ltd, 8211 93rd Street, Fort St John, BC, V1J6X1

BC Oil & Gas COMMISSION	CERTIFICATION OF RESTORATION APPLICATION FORM – PART 2 Physical Address: 6534 Airport Road, Fort St. John, B.C. V1J 4M6 Mailing Address: Bag 2, Fort St. John, B.C. V1J 2B0 Phone: (250) 794-5200		Date Received THIS IS AN AUDITABLE DOCUMENT
This form must be submitted under the authorities of 53, in hardcopy, to the Oil and Gas Commission, at registered as a member in good standing with an organi	the address noted	I above. This form may only be co	nvironmental Management Act S.B.C. 2003, c ompleted by a professional or technologist
	COMMISSIO	N USE ONLY	
Commission File No. or AD No.:		Document:	
	ADMINIS	TRATION	
Well Permit No.: 28666		,	
Well Name: SHELL ET AL HZ GROUNDBIRCH	01-27-080-21	Well Location: 01-27-080	0-21
Petroleum Title (Permit, Lease, Number, etc): 96	337391		
Title Holder(s) (Permittee, Lessee, etc): Shell Ca	anada Limited	· · · · · · · · · · · · ·	
Surface Landowner: n/a		Surface Occupant: n/a	
(Attach Letter of Release)		(Attach Letter of Release)	· · · · · · · · · · · · · · · · · · ·
Applicant's Agent in Field	·	p	
Name: Tim Sanderson			
Company: Eco-Web Ecological Consulting Ltd.		Position. Professional Ag	grologist
Address: 8211-93 street	City: Fort St Jol	าท	Province: British Columbia
Postal Code: V1J 6X1 Phone: 250-78	7-1110	Fax: 250-787-1175	Email: tsanderson@eco-web.ca
Agent Signature:			Date: Feb 15, 2018
	RESTORATION	INFORMATION	C
Description of Area(s) Restored (Location, Remote			L
The restored area includes a 200m x 275m lease decking sites and a 30m x 80m decking site. The place at these locations. The 1-27-80-21 lease si <u>completed in 2015</u> . The entire wellsite and access road have been re- management practices have been implemented t 30%) of the B horizon. Field investigation determ were no concerns with admixing of clay subsoils minimal admixing, the soil textures on the wellsite Soil structure was maintained across the entire de the undisturbed ground. All the samples taken at allowing for good tilth and optimum cultivation. Based on the site inspection the average topsoil of The average depth of the topsoil all control points	e decking sites we te was construct econtoured to con to ensure adequa ined that the tops into the A horizon e and access roa evelopment with the control points replacement dep s was 10.8 cm.	ere primarily used as timber/b ed in 2012 but the site was n form to the surrounding topo ate salvage of the A horizon n soil soil within the developme n surface soils and admixing d were within the same textu the average aggregate class s and on the wellsite and acc th was 12.8 cm across the we	brush storage and no soil stripping took ever drilled and had final reclamation ography and aspect. Good soil naterial while minimizing admixing (under ant had been handled very well. There values were between 0-10%. Due to the ral category as the control points. of the surface soils being the same as sess road were in the "Friable" category ellsite and 16 cm on the access road.
The site was seeded, and plug planted in the fall Groundbirch field, this site was planted with a cus wheatgrass and 25% Rocky Mountain fescue. Th poplar, trembling aspen, willow, Mertens sedge, r first year of growth it was noted that there was a h previously seeded the topsoil stripping piles with	stom native seed le site was also p red raspberry, loc high amount of a	mix composed of: 25% tufted lanted with 26,200 native plu gepole pine, wild rose, think gronomics expressing thems	d hairgrass, 25% June grass, 25% awned gs comprised of: white spruce, balsam bleberry, fireweed and yarrow. After the elves on the site due to Shell having

Updated: 23-June-2016 Effective: 23-June-2016

to reverse this trajectory towards agronomic grasses the lease site and access road had an additional 8640 native plugs p site in the fall of 2016.	lanted on the
Details of any areas left unrestored at Landowner's request:	
No areas were left unrestored	
	•····
Was "Approval to Construct" subject to any reclamation conditions?	YES 🖾 NO
Reclamation Inspection Report included?	
Is this location within the Agricultural Land Reserve? If YES, attach Schedule B	YES 🖾 NO
APPROVAL - FOR COMMISSION USE ONLY	D
CERTIFICATE OF RESTORATION CERTIFICATE NO. 5908	
This is to certify that the surface of the land held in conjunction with, or incidental to, the above application is deemed to be satisfactorily restored. Despite the issuance of this Certificate, the Ministry of Environment has the authority to order further a investigation or remedial action upon inspection of the site or file. Issuance of this certificate does not relieve the Applicant or restoration requirements for which the Applicant is subsequently held responsible by the Commission.	
Authorized Commission Employee	
The personal information requested on this form is collected under the authority of and used for the purpose of administering the <i>Petroleum</i> Natural Gas Act and the Environmental Management Act. Under certain circumstances, some information may be released subject to the protection of Information and Protection of Privacy Act. If you have any questions about the collection, use or disclosure of this information the Environmental Records Administrator in Fort St. John at the address above	ovisions of

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