



Canada's Primary Environmental Risk Information Service

Project Site: AB Oil & Gas Report - Demo
08-13-16-24-W4M
Vulcan, AB

Client: EcoLog ERIS
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Suite 800
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ERIS Project No: 20070131030

Report Type: AB Upstream Oil & Gas Report - 1km Search Radius

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Date: January 31, 2007

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Report Type: AB Upstream Oil & Gas Report, 1.00 km Search Radius

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Report Summary <i>This outlines the number of records from each database that fall on the site, and within various distances from the site.</i>	i
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Site Profile <i>This table describes the records that relate directly to the property that is being researched.</i>	iii
Detail Report <i>This section represents information, by database, for the records found within the primary search radius. Listed at the end of each database are the sites that could not be plotted on the locator diagram because of insufficient address information. These records will not have map keys. They have been included because they may be found to be relevant during a more detailed investigation.</i>	iv
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Report Summary

Order Number: 20070131030
Site Name: AB Oil & Gas Report - Demo
Site Address: 08-13-16-24-W4M Vulcan, AB
Report Type: AB Upstream Oil & Gas Report, 1.00 km Search Radius

Number of Mappable Records Surrounding the Site

Database		On-site	Within 1.00	1.00km to 2.00km	Total
AOGW	Alberta Oil and Gas Wells	1	4	4	8
EISL	Environmental Information System Listing	2	2	4	6
FAC	Facility List	0	0	1	1
OGW	Oil and Gas Wells	0	2	4	6
ORP	Alberta Orphan Wells	1	1	0	1
PCG	Petrochemical, Coal and Gas Operations	0	0	0	0
WWIS	Water Well Information System	0	3	12	15
TOTAL		4	12	25	37

Counts have been provided outside the primary buffer area for cursory examination only. These records have not been examined or verified, therefore, they are subject to change.



Pinpointing Your Environmental Risks

12 Concorde Pl, Suite 800 North York, ON M3C 4J2
416-510-5204

Project Property: AB Oil & Gas Report - Demo
08-13-16-24-W4M
Vulcan, AB

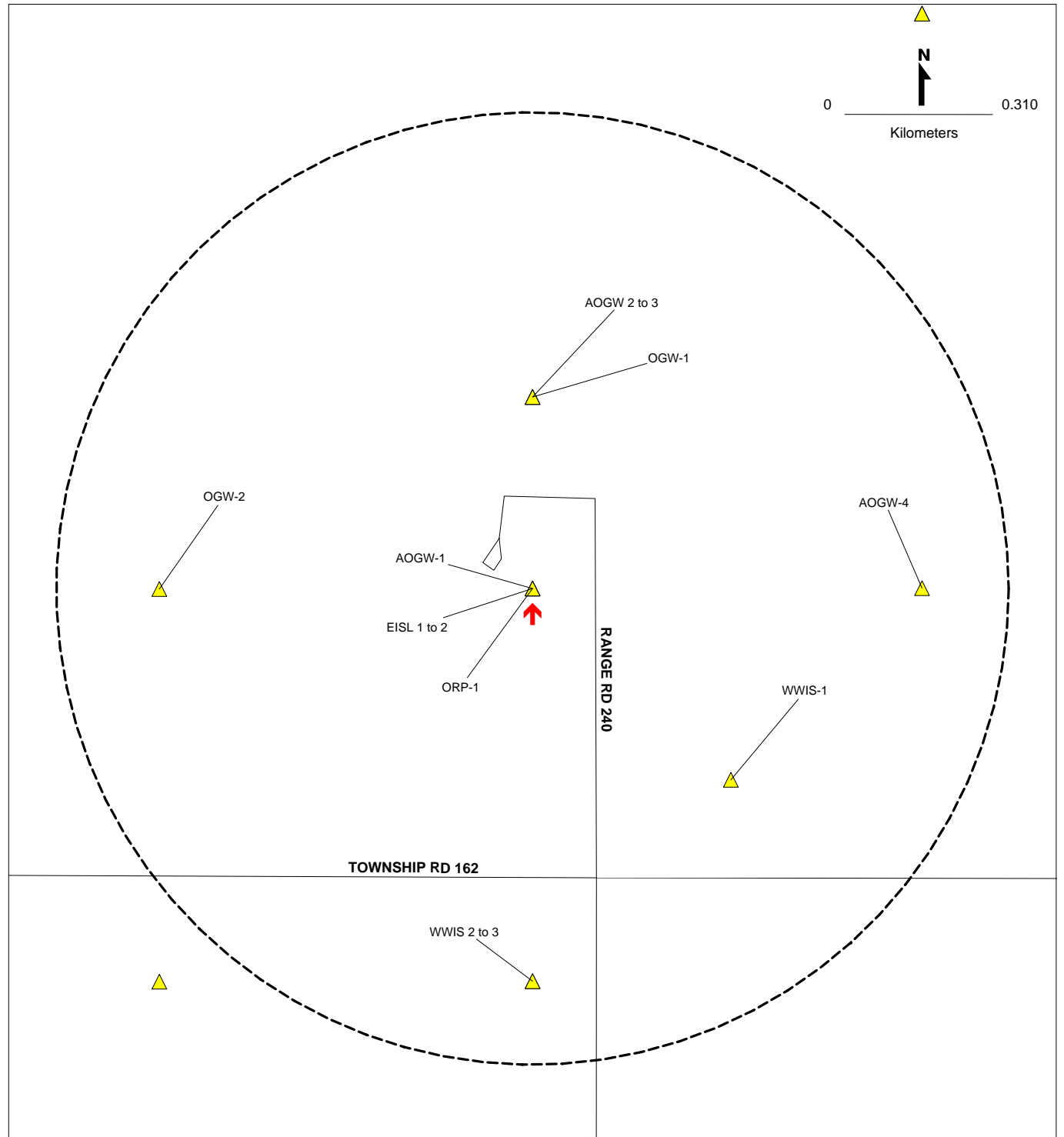
ERIS Project #: 20070131030

Date: FEB-09-2007

LEGEND

Project Property	Landuse Classifications
Database Location	Open Area
Points of Interest	Residential
Chimney	Commercial
Silo	Resource and Industrial
Pipe & Transmission Lines	Government and Institutional
Pipeline	Parks and Recreational
Transmission Line	Waterbody
Transmission Tower	Recreation
Transformer Station	Golf Course/Driving Range
Rail	Park/Sports Field
Railway - Main	Other Recreation Area
Railway - Sidetrack	Sports/Race Track
Railway - Abandoned	Cemetery
Bridge	Campground
Tunnel	Vegetation
Transportation - Other	Wooded Area
Embankment	Orchard
Trail	Vineyard
Runway	Industrial Resources
Hydrographic Features	Conveyor
Permanent Waterway	Crane: Moveable
Intermittent Waterway	Crane: Stationary
Open Reservoir	Tank
Dyke/Levee	Rock Cut
Dam	Auto Wrecker
Breakwall	Lumber Yard
Wetland	Pit

SITE DIAGRAM



*This diagram is to be used solely for relative street location purposes.
It may not accurately portray street or site positions.*

Site Report

Order Number: 20070131030
Site Name: AB Oil & Gas Report - Demo
Site Address: 08-13-16-24-W4M Vulcan, AB
Report Type: AB Upstream Oil & Gas Report, 1.00 km Search Radius

FOR COMPLETE INFORMATION, REFER TO DETAIL REPORT

Alberta Orphan Wells

Map Key	Company Name	Address	City	Postal Code
ORP-1	TREKELANO RESOURCES LTD.			

Alberta Oil and Gas Wells

Map Key	Company Name	Address	City	Postal Code
AOGW-1				

Environmental Information System Listing

Map Key	Company Name	Address	City	Postal Code
EISL-1				
EISL-2				

Detail Report

Order Number: 20070131030

Site Name: AB Oil & Gas Report - Demo

Site Address: 08-13-16-24-W4M Vulcan AB

Report Type: AB Upstream Oil & Gas Report, 1.00 km Search Radius

If information is required for sites located beyond the selected address, please contact your ERIS representative.

Alberta Oil and Gas Wells

Environmental Information System Listing

Oil and Gas Wells

Alberta Orphan Wells

Water Well Information System

Alberta Oil and Gas Wells

Map Key	Company	Address	Licence No.	Licence Date	Total Depth (m)	ATS Coordinates	Well Name
AOGW-1			0004599	19520501	2504.20	8-13-16-24-4	TRL ET AL VULCAN 8-13-16-24
			Well Status Date:	20010215			
			Mode:	ABANDONED			
			Structure:				
			Type:				
			Fluid:	CRUDE OIL			
			Final Drill Date:	19521011			
			Licencee:	Trekelano Resources Ltd.			
			Licencee Address:	Box 681 Nanton, AB T0L 1R0			
AOGW-2			0273647	20020910	1700.00	9-13-16-24-4	MONTEGO VULCAN 9-13-16-24
			Well Status Date:	20021001			
			Mode:	DRILLED & CASED			
			Structure:				
			Type:				
			Fluid:				
			Final Drill Date:	20020927			
			Licencee:	Montego Exploration Ltd.			
			Licencee Address:	1440, 700 - 4 Avenue SW Calgary, AB T2P 3J4			
AOGW-3			0273647	20020910	1700.00	9-13-16-24-4	MONTEGO VULCAN 9-13-16-24
			Well Status Date:	20030710			
			Mode:	FLOWING			
			Structure:				
			Type:				
			Fluid:	GAS			
			Final Drill Date:	20020927			
			Licencee:	Montego Exploration Ltd.			
			Licencee Address:	1440, 700 - 4 Avenue SW Calgary, AB T2P 3J4			
AOGW-4			0008403	19540824	1681.00	6-18-16-23-4	HUSKY-PHILLIPS VULCAN "A" NO. 6-18
			Well Status Date:	19541013			
			Mode:	ABANDONED			
			Structure:				
			Type:				
			Fluid:				
			Final Drill Date:	19541011			
			Licencee:	Husky Oil Operations Limited			
			Licencee Address:	19 Floor, 707 - 8 Avenue SW Calgary, AB T2P 3G7			

Environmental Information System Listing

Map Key	Company	Address	Incident No.	Incident Date	Notification Date	Incident Type	Location
EISL-1			19810597	08 Jul 1981	08 Jul 1981	Release	08-13-016-24W4
			<p>Source: Crude Oil Group Battery Cause Category: Cause Type: Failure Type: Stuffing Box Field Centre: Midnapore Licence No.: Licence Type: Licencee Id: 0171 Licencee Name: Barons Oil Limited Source In Compliance: n/a Concern Type: n/a Injury Count: 0 Fatality Count: 0 Pipeline Licence No.: Pipe Damage: Jurisdiction: Crown Public Lands Release Offsite: Yes Sensitive Area: No Public Affected: Environment Affected: Air/Land Wildlife Affected: Area Affected: Public Evacuated: Cleanup Date: 08 Mar 1983 Substances Released: (1)Crude Oil - Amt Released: 2 m3, Amt Recovered: 1 m3; (2) - Amt Released: , Amt Recovered: ; (3) - Amt Released: , Amt Recovered: ; (4) - Amt Released: , Amt Recovered:</p>				

Environmental Information System Listing

Map Key	Company	Address	Incident No.	Incident Date	Notification Date	Incident Type	Location
EISL-2			19910148	20 Jan 1991	20 Jan 1991	Release	08-13-016-24W4
			Source:	Oil Well			
			Cause Category:				
			Cause Type:				
			Failure Type:	Valve Damage			
			Field Centre:	Midnapore			
			Licence No.:	0004599			
			Licence Type:	Well Licence			
			Licencee Id:	OKM1			
			Licencee Name:	Trekelano Resources Ltd.			
			Source In Compliance:	n/a			
			Concern Type:	n/a			
			Injury Count:	0			
			Fatality Count:	0			
			Pipeline Licence No.:				
			Pipe Damage:				
			Jurisdiction:	Crown Public Lands			
			Release Offsite:	No			
			Sensitive Area:	No			
			Public Affected:				
			Environment Affected:	Air/Land			
			Wildlife Affected:				
			Area Affected:				
			Public Evacuated:				
			Cleanup Date:	21 Jan 1991			
			Substances Released:	(1)Crude Oil - Amt Released: 8 m3, Amt Recovered: 8 m3; (2) - Amt Released: , Amt Recovered: ; (3) - Amt Released: , Amt Recovered: ; (4) - Amt Released: , Amt Recovered:			

Oil and Gas Wells

Map Key	Company	Address	Licence ID	Drill Date	Total Depth (ft)	Well Status	Area ID
OGW-1	MONTEGO EXPLORATION LTD.		273647	02/09/21	1700	GAS	VULCAN
			Well Name:	MONTEGO VULCAN 9-13-16-24			
			Well Class:	DEEPER POOL TEST			
			Type:	REGULAR (VERTICAL)			
OGW-2	Montego Exploration Ltd.		321162	04/12/11	915.00	GAS	VULCAN
			Well Name:	MONTEGO VULCAN 6-13-16-24			
			Well Class:	DEVELOPMENT WELL			
			Type:	REGULAR (VERTICAL)			

Alberta Orphan Wells

Map Key	Company	Address	Unique Well Id	Licence No.	Type
ORP-1	TREKELANO RESOURCES LTD.		00/08-13-016-24W4/00	0004599	Reclamation Sites
			ATS Coordinates:	08-13-016-24W4	

Water Well Information System

Map Key	Company	Address	Well ID	Licence No.	Date Started	Date Completed	Depth (ft)	Elevation (ft)	Elevation Source
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WWIS-1	DAVIS, ANDY		115183	588	4/28/1980	5/1/1980	147.00	3300.	Estimated
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Proposed Use: Domestic & Stock
Type of Work: New Well
Method of Drilling: Cable Tool
Flowing Well: N
Flow Rate:
Gas Present: N
Oil Present: N
Water Requirements Per Day: 1000 G
DLS Coordinates: 04 18-016-23-4
Lot:
Block:
Plan:
Owner Mailing Address: VULCAN
Drilling Company: DANIELLS, BRUCE K.
Driller Mailing Address: Box 582, Vulcan, Alberta T0L-2B0

<u>Depth (ft)</u>	<u>Material</u>	<u>Colour</u>	<u>Description</u>
15.00	Clay		Sandy
55.00	Sandstone	Brown	
78.00	Clay		
79.00	Coal		
112.00	Clay	Brown	
132.00	Shale	Gray	
138.00	Sandstone		
147.00	Shale	Dark Brown	

Water Well Information System

Map Key	Company	Address	Well ID	Licence No.	Date Started	Date Completed	Depth (ft)	Elevation (ft)	Elevation Source
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WWIS-2	ROEBUCK RANCHES LTD		255370		5/27/1975	5/31/1975	131.00		Not Obtain
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Proposed Use: Stock
Type of Work: New Well
Method of Drilling: Rotary
Flowing Well: N
Flow Rate:
Gas Present: N
Oil Present: N
Water Requirements Per Day: 0
DLS Coordinates: 16 12-016-24-4
Lot:
Block:
Plan:
Owner Mailing Address: CHAMPION, BOX 182
Drilling Company: CULVERS FARM&RANCH
Driller Mailing Address:

<u>Depth (ft)</u>	<u>Material</u>	<u>Colour</u>	<u>Description</u>
12.00	Clay		Sandy
15.00	Sand		
55.00	Clay		Sandy
116.00	Sandstone	Blue	
121.00	Gravel		Water Bearing
122.00	Sandstone	Blue	
123.00	Sand		
131.00	Shale	Blue	Soft

Water Well Information System

Map Key	Company	Address	Well ID	Licence No.	Date Started	Date Completed	Depth (ft)	Elevation (ft)	Elevation Source
WWIS-3	HUDSON'S BAY OIL #37		255375			6/14/1929	172.00		Not Obtain
<p>Proposed Use: Industrial Type of Work: Structure Test Hole Method of Drilling: Unknown Flowing Well: N Flow Rate: Gas Present: N Oil Present: N Water Requirements Per Day: 0 DLS Coordinates: 16 12-016-24-4 Lot: Block: Plan: Owner Mailing Address: Drilling Company: OTHER Driller Mailing Address:</p>									
			<u>Depth (ft)</u>			<u>Material</u>	<u>Colour</u>	<u>Description</u>	
			48.00			Clay & Gravel	Brown	Sandy	
			104.00			Sand	Salt & Pepper	Medium Grained	
			152.00			Sand & Shale	Gray		
			172.00			Sand & Shale	Gray	Carbonaceous	

Appendix: Alberta Database Descriptions

EcoLog Environmental Risk Information Services Ltd can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to EcoLog ERIS at the time of update. **Note:** Databases denoted with "*" indicates that the database will no longer be updated. See the individual database descriptions for more information.

Provincial Government Source Databases:

Alberta Oil and Gas Wells 1883-Sept 2003*

AOGW

The Alberta Energy Utilities Board maintains a database of all oil and gas wells drilled in the province of Alberta. The database contains information on well name, licensee name, licence number, location, status, total well depth and date of final drilling. Please note that this database will not be updated, information on wells drilled after September 2003 can be found in the Oil and Gas Wells (OGW) database under the 'Private Source Database' section.

Environmental Information System Listing 1975-Feb 2007

EISL

Received from the Alberta EUB (Energy Utilities Board), this database contains reported environmental incidents beginning in 1975. Descriptions include noise infractions, air quality emissions, oil spills and failures for pipelines, wells, plants, and batteries. Some geographic coordinates have been provided in ATS (Alberta Township Survey system) format but do not contain offsets that are necessary to pinpoint a specific location. Therefore, locations will be accurate to the quarter section only.

Facilities List

FAC

This database contains a complete list of new, active and suspended facilities in Alberta including batteries, gas plants, meter stations, and other facilities. Information provided includes: facility id, facility name, operator name, sub type description, location, facility licence no, and operational status.

Petrochemical, Coal and Gas Operations - Certificates of Approval 1993-2006

PCG

This database contains approvals for processes pertaining to petroleum, coal, and oil and gas processing. Please note that, as per the source of this database, some of the geographic information may pertain to a head office or mailing address and not necessarily the site of operations to which the certificate applies. Some geographic coordinates have been provided in ATS (Alberta Township Survey system) format but do not contain offsets that are necessary to pinpoint a specific location. Therefore, locations will be accurate to the quarter section only.

Alberta Orphan Wells Up to Jan 2007

ORP

Orphan wells are wells that have not been properly abandoned and whose operators are defunct or insolvent. In Alberta, orphan wells fall under the responsibility of the Orphan Well Association, which works under the authority of the EUB. The data includes Location, Well ID, License Name and License Number.

Water Well Information System 1880-April 2003

WWIS

This database was collected from the Groundwater Information Center of the Natural Resource Service and contains over 360,000 records. Some geographic coordinates have been provided in ATS (Alberta Township Survey system) format but do not contain offsets that are necessary to pinpoint a specific location. Therefore, locations will be accurate to the quarter section only.

Private Source Databases:

Oil and Gas Wells 1988-2006

OGW

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickles' database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.