



DE	ET	OE	ES
Document Number:			

**SUNDRY NOTICE**

Submit a signed original. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full in Comments or provide as an attachment. Identify Well by API Number; identify Oil and Gas Location by Location ID Number; identify other Facility by Facility ID Number.

OGCC Operator Number: \_\_\_\_\_ Contact Name \_\_\_\_\_  
 Name of Operator: \_\_\_\_\_ Phone: ( ) \_\_\_\_\_  
 Address: \_\_\_\_\_ Fax: ( ) \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Email: \_\_\_\_\_

Complete the Attachment  
Checklist  
  
OP OGCC

API Number : 05- \_\_\_\_\_ OGCC Facility ID Number: \_\_\_\_\_  
 Well/Facility Name: \_\_\_\_\_ Well/Facility Number: \_\_\_\_\_  
 Location QtrQtr: \_\_\_\_\_ Section: \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_ Meridian: \_\_\_\_\_  
 County: \_\_\_\_\_ Field Name: \_\_\_\_\_  
 Federal, Indian or State Lease Number: \_\_\_\_\_

Survey Plat		
Directional Survey		
Srvc Eqpmt Diagram		
Technical Info Page		
Other		

**CHANGE OF LOCATION OR AS BUILT GPS REPORT**

- Change of Location \*       As-Built GPS Location Report       As-Built GPS Location Report with Survey

\* Well location change requires new plat. A substantive surface location change may require new Form 2A.

**SURFACE LOCATION GPS DATA**      Data must be provided for Change of Surface Location and As Built Reports.

Latitude \_\_\_\_\_ PDOP Reading \_\_\_\_\_ Date of Measurement \_\_\_\_\_  
 Longitude \_\_\_\_\_ GPS Instrument Operator's Name \_\_\_\_\_

**LOCATION CHANGE (all measurements in Feet)**

Well will be: \_\_\_\_\_ (Vertical, Directional, Horizontal)

Change of **Surface** Footage **From** Exterior Section Lines:

Change of **Surface** Footage **To** Exterior Section Lines:

Current **Surface** Location **From**      QtrQtr \_\_\_\_\_      Sec \_\_\_\_\_

New **Surface** Location **To**      QtrQtr \_\_\_\_\_      Sec \_\_\_\_\_

Change of **Top of Productive Zone** Footage **From** Exterior Section Lines:

Change of **Top of Productive Zone** Footage **To** Exterior Section Lines:

Current **Top of Productive Zone** Location **From**      Sec \_\_\_\_\_

New **Top of Productive Zone** Location **To**      Sec \_\_\_\_\_

Change of **Bottomhole** Footage **From** Exterior Section Lines:

Change of **Bottomhole** Footage **To** Exterior Section Lines:

Current **Bottomhole** Location      Sec \_\_\_\_\_      Twp \_\_\_\_\_

New **Bottomhole** Location      Sec \_\_\_\_\_      Twp \_\_\_\_\_

Is location in High Density Area? \_\_\_\_\_

Distance, in feet, to nearest building \_\_\_\_\_, public road: \_\_\_\_\_, above ground utility: \_\_\_\_\_, railroad: \_\_\_\_\_,

property line: \_\_\_\_\_, lease line: \_\_\_\_\_, well in same formation: \_\_\_\_\_

Ground Elevation \_\_\_\_\_ feet      Surface owner consultation date \_\_\_\_\_

	FNL/FSL	FEL/FWL	
Change of Surface Footage From	<input type="text"/>	<input type="text"/>	<input type="text"/>
Change of Surface Footage To	<input type="text"/>	<input type="text"/>	<input type="text"/>
Current Surface Location From	Twp <input type="text"/>	Range <input type="text"/>	Meridian <input type="text"/>
New Surface Location To	Twp <input type="text"/>	Range <input type="text"/>	Meridian <input type="text"/>
Change of Top of Productive Zone From	<input type="text"/>	<input type="text"/>	<input type="text"/>
Change of Top of Productive Zone To	<input type="text"/>	<input type="text"/>	<input type="text"/>
Current Top of Productive Zone From	Twp <input type="text"/>	Range <input type="text"/>	<input type="text"/>
New Top of Productive Zone To	Twp <input type="text"/>	Range <input type="text"/>	<input type="text"/>
Change of Bottomhole From	<input type="text"/>	<input type="text"/>	<input type="text"/>
Change of Bottomhole To	<input type="text"/>	<input type="text"/>	<input type="text"/>
Current Bottomhole Location	Twp <input type="text"/>	Range <input type="text"/>	<input type="text"/>
New Bottomhole Location	Twp <input type="text"/>	Range <input type="text"/>	<input type="text"/>

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\*\* attach deviated drilling plan



Comments:

**ENGINEERING AND ENVIRONMENTAL WORK**

NOTICE OF CONTINUED TEMPORARILY ABANDONED STATUS

Indicate why the well is temporarily abandoned and describe future plans for utilization in the COMMENTS box below or provide as an attachment, as required by Rule 319.b.(3).

Date well temporarily abandoned \_\_\_\_\_ Has Production Equipment been removed from site? \_\_\_\_\_

Mechanical Integrity Test (MIT) required if shut in longer than 2 years. Date of last MIT \_\_\_\_\_

SPUD DATE: \_\_\_\_\_

**TECHNICAL ENGINEERING AND ENVIRONMENTAL WORK**

Details of work must be described in full in the COMMENTS below or provided as an attachment.

NOTICE OF INTENT Approximate Start Date \_\_\_\_\_

REPORT OF WORK DONE Date Work Completed \_\_\_\_\_

<input type="checkbox"/> Intent to Recomplete (Form 2 also required)	<input type="checkbox"/> Request to Vent or Flare	<input type="checkbox"/> E&P Waste Mangement Plan
<input type="checkbox"/> Change Drilling Plan	<input type="checkbox"/> Repair Well	<input type="checkbox"/> Beneficial Reuse of E&P Waste
<input type="checkbox"/> Gross Interval Change	<input type="checkbox"/> Rule 502 variance requested. Must provide detailed info regarding request.	
<input type="checkbox"/> Other _____	<input type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases	

COMMENTS:

**CASING AND CEMENTING CHANGES**

Casing Type	Size	Of	/	Hole	Size	Of	/	Casing	Wt/Ft	Csg/LinTop	Setting Depth	Sacks of Cement	Cement Bottom	Cement Top

**H2S REPORTING**

Data Fields in this section are intended to document Sample and Location Data associated with the collection of a Gas Sample that is submitted for Laboratory Analysis.

Gas Analysis Report must be attached.

H2S Concentration: \_\_\_\_\_ in ppm (parts per million) Date of Measurement or Sample Collection \_\_\_\_\_

Description of Sample Point:

Absolute Open Flow Potential \_\_\_\_\_ in CFPD (cubic feet per day)

Description of Release Potential and Duration (If flow is not open to the atmosphere, identify the duration in which the container or pipeline would likely be opened for servicing operations.):

Distance to nearest occupied residence, school, church, park, school bus stop, place of business, or other areas where the public could reasonably be expected to frequent: \_\_\_\_\_

Distance to nearest Federal, State, County, or municipal road or highway owned and principally maintained for public use: \_\_\_\_\_

COMMENTS:

**BMP**

<u>Type</u>	<u>Comment</u>

**GROUND WATER SAMPLING**

Uses of Ground Water Sampling Section

Request an Exception to Ground Water Sampling Requirements in Greater Wattenberg Area Rule 318A.e(4) or in Statewide Rule 609.c. Request a Previously Sampled Water Source in the COGIS database be used to meet sampling requirements as described in Rule 609.d.(3).

**NOTE: If this Sundry Notice is being submitted to request a Ground Water Sampling Exception it cannot be used for any other purpose except requesting the use of a Previously Sampled Water Source in the COGIS database.**

- Request an Exception to Ground Water Sampling Requirements per Greater Wattenberg Area Rule 318A.e(4): There are no Available Water Sources located within the governmental quarter section or within a previously unsampled governmental quarter section within a ½-mile radius of this proposed Oil and Gas Well, Multi-Well Site, or Dedicated Injection Well.
  
- Request an Exception to Ground Water Sampling Requirements per Statewide Rule 609.c.
  - \_\_\_\_\_ Number of Water Sources located within one-half (1/2) mile of a proposed Oil and Gas Well, Multi-Well Site, or Dedicated Injection Well.
  - \_\_\_\_\_ Number of Water Source Exceptions requested per Rule 609.c.
  - \_\_\_\_\_ Number of Water Sources determined to be unsuitable. **The condition of these Water Sources MUST be documented in the comments below or in an attachment.**
  - \_\_\_\_\_ Number of Water Sources suitable for testing whose owners refused to grant access despite an operator's reasonable good faith efforts to obtain consent to conduct sampling. **The reasonable good faith efforts used to obtain access from the owners of these Water Sources MUST be documented in the comments below or in an attachment.**
  
- Request a Previously Sampled Water Source in the COGIS database be used to meet sampling requirements as described in Rule 609.d(3)

\_\_\_\_\_ Type of Sample Substitution Request

Enter Sample ID Number from COGIS Maps for each Previous Water Sample:

Sample ID	Facility ID	Sample Date	Sample Purpose

**COMMENTS**

**Operator Comments:**

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: \_\_\_\_\_  
 Title: \_\_\_\_\_ Email: \_\_\_\_\_ Date: \_\_\_\_\_

Based on the information provided herein, this Sundry Notice (Form 4) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: \_\_\_\_\_ Date: \_\_\_\_\_

Sample ID	Facility ID	Sample Date	Sample Purpose

**COMMENTS**

**Operator Comments:**

See attached narrative. This submittal is a request to close Remediation #7781 and a Notice of Completion for the D31 pit closure (facility #432831).

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: Charles H. Jensen Jr. Print Name: Charles H. Jensen, Jr., P.G., C.P.G.  
 Title: Environmental Field Coordinator Email: charles.jensen@encana.com Date: 5/28/2013

Based on the information provided herein, this Sundry Notice (Form 4) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: \_\_\_\_\_ Date: \_\_\_\_\_

# NARRATIVE ATTACHMENT

## FORM 4 (NOTICE OF COMPLETION/REQUEST NO FURTHER ACTION)

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### D31 Pit Closure (432831)

Document Date – 05/28/2013

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This Form 4 (Notice of Completion/Request No Further Action) was prepared for the purpose of closing out Remediation project number #7781 in support of the closure of the D31 produced water storage pit in Encana Oil & Gas (USA) Inc. (Encana's) North Parachute area of operations. This Form 4 is a request to close the pit #432831 on Location #335674 (API 045 14649).

### D31 Pit Closure Report

All activities conducted in support of this pit closure project were carried out in accordance with COGCC Rules 905, 907, and 909 for conducting a site investigation in support of pit closures.

In April 2012, pit closure activities included onsite supervision of limited excavation of soil impacts and the collection of soil samples. The soil samples were analyzed for the constituents in Table 910-1. A total of 10 soil samples from the bottom and side wall were analyzed. Initial soil analytical results showed four samples exceeded the COGCC Table 910-1 allowable limits for benzene and three samples exceeded the allowable limit for total petroleum hydrocarbons (TPH). Two samples exceeded the allowable limit for benzo(A)pyrene. Background soil samples were collected for the analysis of arsenic. The arsenic data exceeded the Table 910-1 but is consistent with the background arsenic data for the North Parachute Ranch area (see attached Laboratory Results Summary Table).

In May 2012, further excavation was conducted to remove impacted material. Additional soil samples were collected from the locations which exceeded the COGCC Table 910-1 limits. Benzene concentrations were reported below the allowable limits, but two samples reported TPH above 500 mg/kg. A soil sample from the spoils pile was collected and analyzed for the full Table 910-1 compounds. The benzene and benzo(A)pyrene reported below the allowable limits.

Limited excavation was halted because competent bedrock was encountered. Groundwater was also seeping into the base of the excavation. The groundwater encountered was perched and is seasonal based on annual runoff conditions. On June 1, 2012, the two locations that previously remained above 500 mg/kg TPH in soil were sampled again. Two groundwater samples were grabbed from the bottom of the excavation and analyzed for BTEX and TPH. The two soil samples and the two groundwater samples were below the COGCC Table 910-1 allowable limits BTEX and TPH. Laboratory Results Summary tables, the D31 topographic location map, and the D31 Site Diagram are attached for reference. The laboratory analytical data is attached for reference.

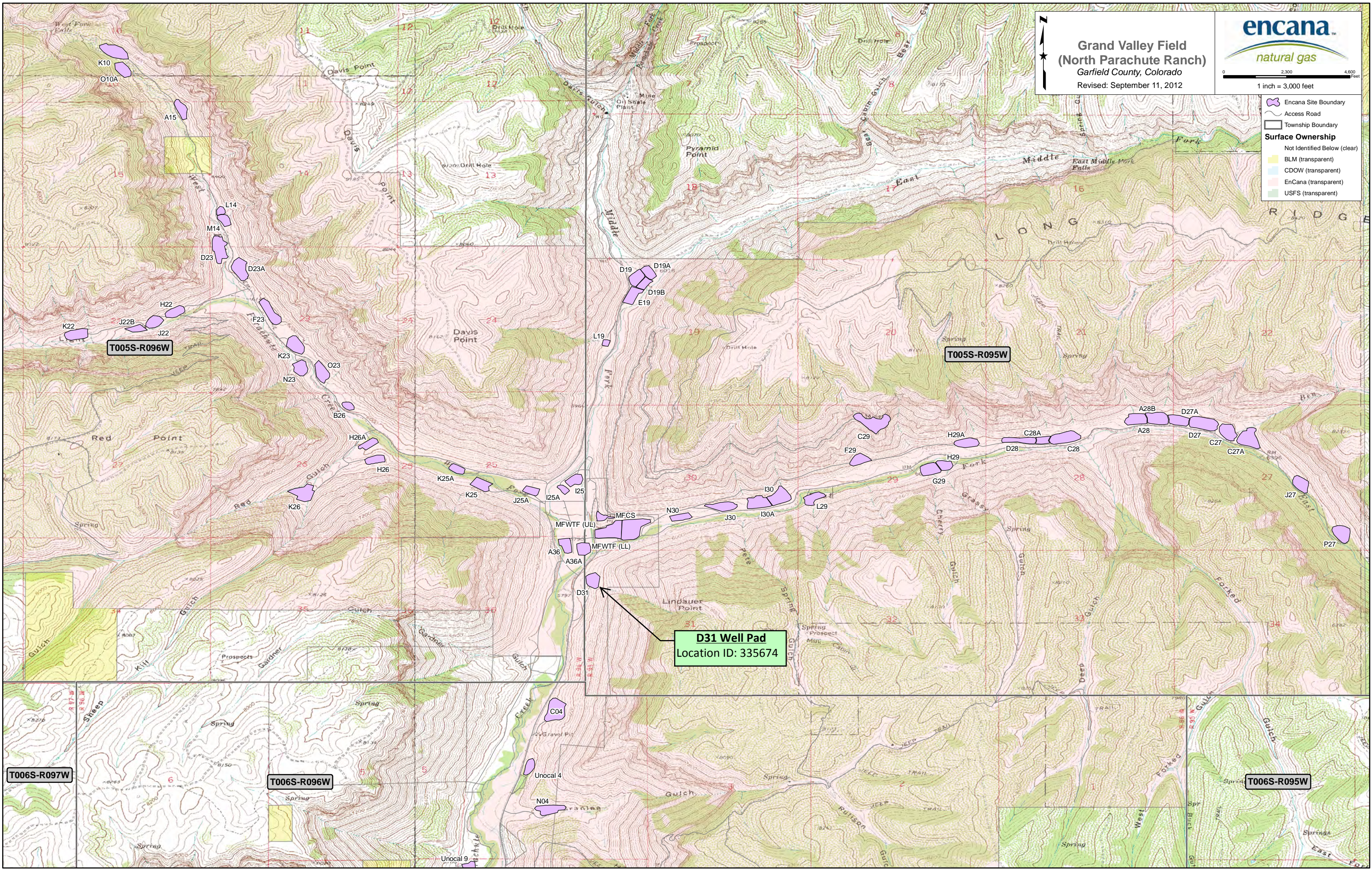
The pit has been backfilled with cleared soil from the spoils pile.

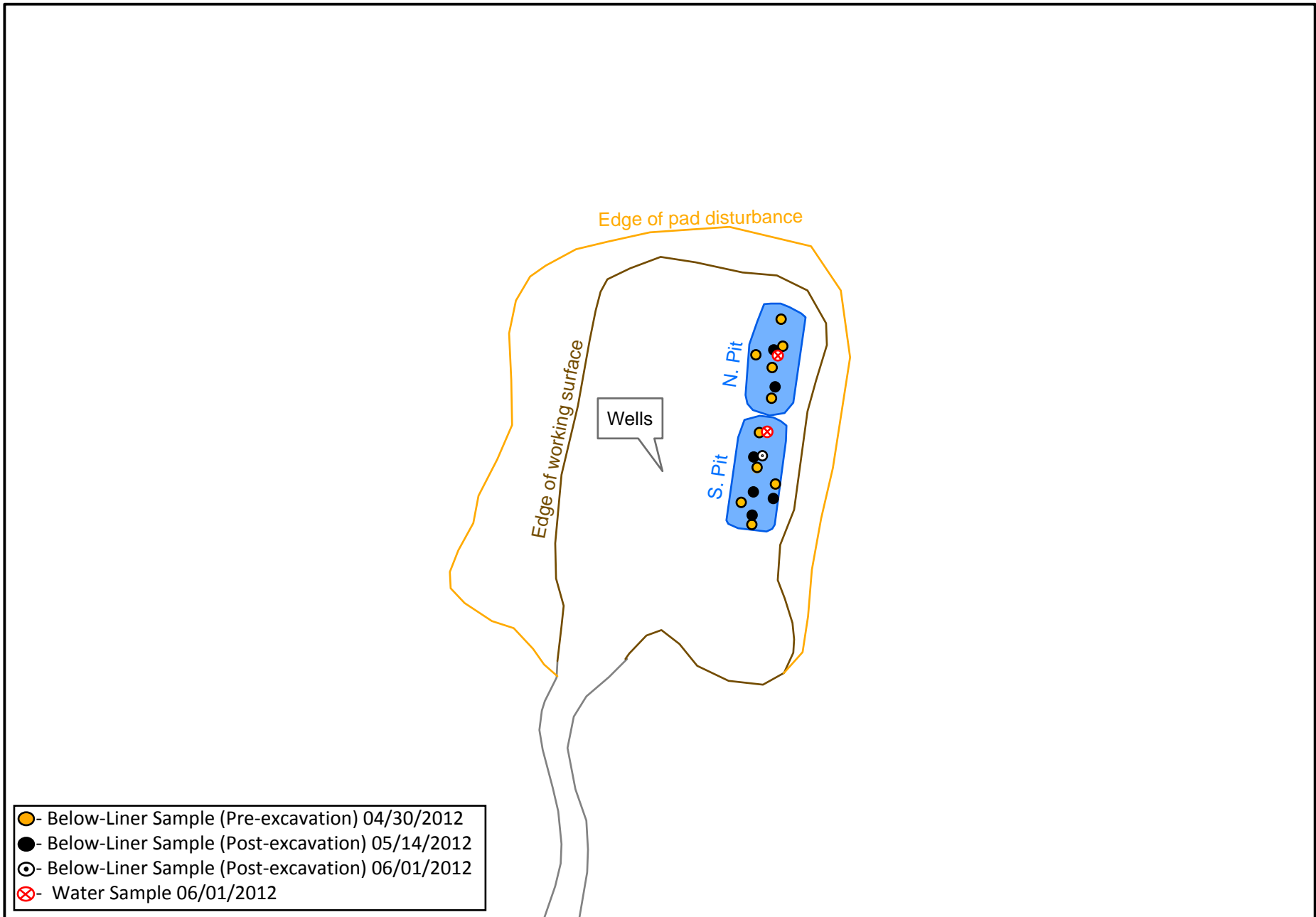
Based on the removal of limited soil impacts, the clearance soil samples from pit bottom, and no impacts to groundwater, Encana requests the closure of remediation #7781.

Arsenic results in the pit bottom exceed the allowable concentration in Table 910-1, but are within the range of background values for the area (2 to 75 ppm). See attached Laboratory Results Summary Table for area backgrounds. Laboratory reports are kept on file at Encana's Parachute Field Office and are available upon request. Encana requests that the higher range of arsenic background values be considered as the allowable concentration for this constituent.



- Encana Site Boundary
- Access Road
- Township Boundary
- Surface Ownership**
- Not Identified Below (clear)
- BLM (transparent)
- CDOW (transparent)
- EnCana (transparent)
- USFS (transparent)







Location	Sample Date:	Sample Matrix	Matrix Notes	Allowable Concentration -->	Metals i
					Arsenic
M14	04/11/13	Background	SVE N [25-27']		2
N04	05/13/11	Background	W		3.8
H17 (Unocal	02/24/11	Background	NE		4.8
C04	04/14/11	Background	SE		5.1
M14	04/11/13	Background	SVE E [10-12']		5.1
A28	12/01/10	Background	N		6.4
N04	05/13/11	Background	NE		6.6
H17 (Unocal	02/24/11	Background	S		6.7
D31	04/30/12	Background	N		7
H17 (Unocal	02/24/11	Background	SE		7.2
D27	02/08/12	Background	NW		7.3
D31	04/30/12	Background	N		7.4
D31	04/30/12	Background	N		7.5
D31	04/30/12	Background	SE		7.7
H26	11/10/10	Background	SE		7.7
D31	04/30/12	Background	N		7.8
M14	04/09/13	Background	SVE 02 [10'-12']		7.8
N04	05/13/11	Background	N		7.8
D31	04/30/12	Background	SE		8
D31	04/30/12	Background	SW		8
D31	04/30/12	Background	N		8.1
D31	04/30/12	Background	SW		8.1
D31	04/30/12	Background	SE		8.2
D31	04/30/12	Background	SE		8.3
D27	02/08/12	Background	NW		8.5
D31	04/30/12	Background	SW		8.5
D31	04/30/12	Background	SW		8.5
D31	04/30/12	Background	SE		8.6
D31	04/30/12	Background	SW		8.8
A15	04/03/13	Background	monitoring well North 1 [40-42]		9
A28	12/01/10	Background	NE		9
C04	04/14/11	Background	SW		9.2
N04	07/16/09	Background			9.2
D27	02/08/12	Background	N2		9.3
H17 (Unocal	02/24/11	Background	NW		9.3
L19	08/31/11	Background	S		9.3
D27	02/08/12	Background	N3		9.6
H15	12/29/11	Background	S		9.7
A28B	06/28/10	Background			9.8
D27	02/08/12	Background	N3		9.8
A28	12/01/10	Background	S		9.9
I30A	06/15/10	Background	Cut slope middle		9.9
D27	02/08/12	Background	N1		10
D31	04/30/12	Background	E		10
J30	07/19/11	Background	NE		10
D09A	08/06/09	Background			10.4
A15	05/17/11	Background	NE		11
D27	02/08/12	Background	NW		11
D31	04/30/12	Background	E		11
D31	04/30/12	Background	E		11
D31	04/30/12	Background	E		11
I30A	06/15/10	Background	Cut slope east		11
J30	07/19/11	Background	N		11
C04	02/22/11	Background	E		11.5
C04	02/22/11	Background	NE		11.7
A28B	08/12/10	Background	NW		12
A36A	08/31/11	Background	E		12
B26	08/26/11	Background	SE		12

Location	Sample Date:	Sample Matrix	Matrix Notes	Allowable Concentration -->	Metals i
					Arsenic
D27	02/08/12	Background	N3		12
D27	02/08/12	Background	N3		12
D27	02/08/12	Background	NW		12
NSF	10/08/12	Background			12
P25	09/01/11	Background	ESE		12
C04	11/05/09	Background	6" depth taken from surface or		12.1
Unocal 4	10/31/09	Background	ROW background - 6" p/l ruptu		12.5
E19	07/14/09	Background			12.6
C27A	06/28/10	Background	SE		12.7
A36A	08/31/11	Background	SW		13
D27	02/08/12	Background	NE		13
D31	04/30/12	Background	E		13
E09	11/02/10	Background	SE		13
F23	08/29/11	Background	NW		13
K22	11/10/10	Background	SW		13
K22	11/10/10	Background	N		13
L19	08/31/11	Background	SW		13
M14	04/11/13	Background	SVE SW [30-32']		13
C04	02/22/11	Background	SE		13.4
J25A	07/22/09	Background			13.5
C04	02/22/11	Background	N		13.6
A15	04/04/13	Background	monitoring well North [30-32']		14
B26	08/26/11	Background	E		14
D19A	03/25/10	Background			14
D27	02/08/12	Background	NE		14
D27	02/08/12	Background	N1		14
D27	02/08/12	Background	N1		14
D27	02/08/12	Background	N1		14
D27	02/08/12	Background	N2		14
D27	02/08/12	Background	N3		14
D27	02/08/12	Background	NW		14
F23	08/29/11	Background	E		14
J30	07/19/11	Background	NW		14
K26	05/31/11	Background	S		14
K26	05/31/11	Background	SE		14
K22	07/22/09	Background			14.5
A15	05/17/11	Background	E		15
A36A	08/31/11	Background	SE		15
A36A	08/31/11	Background	S		15
D19B	03/25/10	Background			15
E09	11/02/10	Background	Ec		15
F23	08/29/11	Background	SE		15
K22	11/10/10	Background	W		15
K26	05/31/11	Background	N		15
L19	08/31/11	Background	N		15
Unocal 4	10/31/09	Background	irrigation ditch background - 6'		15.2
D23	06/29/10	Background	NW		15.7
A15	05/17/11	Background	NW		16
A15	04/04/13	Background	monitoring well South [50-52']		16
A28B	08/12/10	Background	NE		16
A36A	08/31/11	Background	NE		16
C28	10/12/10	Background	SE		16
D27	02/08/12	Background	NE		16
D27	02/08/12	Background	N1		16
F23	08/29/11	Background	N		16
H15	12/29/11	Background	E		16
J25A	09/26/11	Background	Monitoring well install 20-21'		16
J30	07/19/11	Background	E		16

Location	Sample Date:	Sample Matrix	Matrix Notes	Allowable Concentration -->	Metals i
					Arsenic
M14	04/10/13	Background	SVE SE [20-22']		16
I30A	03/24/10	Background			16.9
D27	02/08/12	Background	N2		17
E09	11/02/10	Background	E		17
D28	08/05/09	Background			17.2
G29	06/29/10	Background	SW		17.4
J22	07/17/09	Background			17.4
A28	07/16/09	Background			17.6
C28MF	07/29/09	Background			17.9
A15	05/17/11	Background	S		18
A15	04/04/13	Background	monitoring well North [85']		18
D27	02/08/12	Background	N2		18
H26A	08/26/11	Background	NW		18
H26A	08/26/11	Background	SW		18
P25	09/01/11	Background	SE		18
I30	03/24/10	Background			18.6
A15	05/17/11	Background	N		19
A15	04/04/13	Background	monitoring well South1 [80-82']		19
A28	12/01/10	Background	SW		19
B26	08/26/11	Background	NE		19
D27	02/08/12	Background	NE		19
H15	12/29/11	Background	NE		19
H26	11/10/10	Background	SW		19
H26	11/10/10	Background	SSE		19
C28	03/24/10	Background			19.3
A15	04/04/13	Background	monitoring well North [60-62']		20
A15	04/03/13	Background	monitoring well North 1 [60-62']		20
C28	10/12/10	Background	N		20
D27	02/08/12	Background	NE		20
F23	08/29/11	Background	NE		20
G29	06/29/10	Background	SE		20
H26A	08/26/11	Background	W		20
H26A	08/26/11	Background	SE		20
C27	11/24/09	Background			20.7
Long Ridge	10/16/09	Background	pulled from scree shoot behind		20.7
I30A	06/15/10	Background	W cut slope		21
K25A	06/29/10	Background	NE background		21.6
B26	08/26/11	Background	N		22
C28	09/14/11	Background	Not a true background - taken		22
E09	11/02/10	Background	S		22
L19	08/31/11	Background	W		22
N04	05/13/11	Background	NW		22
D19	07/29/09	Background			22.8
C28	10/12/10	Background	E		23
E09	11/02/10	Background	N		23
P25	09/01/11	Background	N		23
B26	08/26/11	Background	NNE		24
C28	10/12/10	Background	Nec		24
D23	06/29/10	Background	SW		24
E19	03/26/08	Background			24
H26	11/10/10	Background	S		24
P27	07/07/11	Background	NE		24
C28A	06/28/10	Background			24.2
K25A	06/29/10	Background	NW background		24.7
A15	04/02/13	Background	monitoring well South [80-82']		25
C04	04/14/11	Background	N		25
C04	04/14/11	Background	E		25
P27	07/07/11	Background	E		25

Location	Sample Date:	Sample Matrix	Matrix Notes	Allowable Concentration -->	Metals i
					Arsenic
RetortPile	11/05/09	Background	stormwater BMP - sample pull		25.3
A15	04/02/13	Background	monitoring well South [40-42]		26
C27A	06/28/10	Background	NE		26
H26A	08/26/11	Background	N		26
P25	09/01/11	Background	E		26
H26	11/10/10	Background	SSW		27
K26	05/31/11	Background	W		27
P27	07/07/11	Background	N		27
RetortPile	11/05/09	Background	man camp pad on retort pile -		27.4
K22	11/10/10	Background	E		28
N30	03/24/10	Background			29.1
D27	02/08/12	Background	N2		30
L19	08/31/11	Background	NW		31
P25	09/01/11	Background	NE		32
P27	07/07/11	Background	SE		32
C28	10/12/10	Background	NE		34
C29	11/05/09	Background	pulled from NNE side of pad		34.9
A28B	08/12/10	Background	N		39
K26	05/31/11	Background	SW		43
H15	12/29/11	Background	SE		52
Long Ridge	10/11/12	Background	Oil Shale 2		55
Long Ridge	10/11/12	Background	Oil Shale 2 rerun		55
Long Ridge	10/11/12	Background	Oil Shale 1		57
Long Ridge	10/11/12	Background	Oil Shale 1 rerun		57
H15	12/29/11	Background	N		59
C29	10/11/12	Background	Oil Shale 1		66
C29	10/11/12	Background	Oil Shale 1 rerun		66
C29	10/11/12	Background	Oil Shale 2		75
C29	10/11/12	Background	Oil Shale 2 rerun		75