FORM
19
Rev 6/99

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State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303)894-2100 Fax:(303)894-2109

FOR OGCC USE ONLY

RECEIVED
8/27/2012

Spill report taken by:

FACILITY ID:

SPILL/RELEASE REPORT

This form is to be submitted by the party responsible for the oil and gas spill or release. Any spill or release which may impact waters of the State must be reported as soon as practicable; any spill over 20 bbls must be reported within 24 hours and all spills over five bbls must be reported within ten days. Submit a Site Investigation and Remediation Workplan (Form 27) when requested by the Director.

OPERATOR INFORMATION

Name of Operator: Encana Oil & Gas (USA) Inc. OGCC Operator No: 100185

Address: 2717 County Road 215, Suite 100

City: Parachute State: CO Zip: 81635

Contact Person: Chris Hines

Phone Numbers

No: 970.285.2653

Fax: 970.285.2705

E-Mail: christopher.hines@encana.com

DESCRIPTION OF SPILL OR RELEASE

Date of Incident: 08/08/2012 Facility Name & No.: NP EF07B / N30 595

Type of Facility (well, tank battery, flow line, pit): Pit

Well Name and Number: 335670 (Location ID)

API Number: 285021 (Facility ID)

County: Garfield

QtrQtr: SESW Section: 30

Township: 5 Range: 95

Meridian: 6th

Specify volume spilled and recovered (in bbls) for the following materials:

Oil spilled: Unknown Oil recov'd: NA Water spilled: Unknown Water recov'd: NA Other spilled: NA Other recov'd: NA

Ground Water impacted? ☐ Yes ☑ No Surface Water impacted? ☐ Yes ☑ No

Contained within berm? ☑ Yes ☐ No Area and vertical extent of spill: 5,890sq.ft [area] x variable [depth]

Current land use: Rangeland Weather conditions: NA - historic release

Soil/geology description: Nihill Channery loam, 1 to 6 percent slopes

IF LESS THAN A MILE, report distance **IN FEET** to nearest.... Surface water: 240 wetlands: unknown buildings: 4,080

Livestock: NA water wells: 1,350 Depth to shallowest ground water: > 30ft

Cause of spill (e.g., equipment failure, human error, etc.): equipment failure Detailed description of the spill/release incident:

CORRECTIVE ACTION

Describe immediate response (how stopped, contained and recovered):
See Attached

Describe any emergency pits constructed:
See Attached

How was the extent of contamination determined:
See Attached

Further remediation activities proposed (attach separate sheet if needed):
See Attached

Describe measures taken to prevent problem from reoccurring:
See Attached

OTHER NOTIFICATIONS

List the parties and agencies notified (County, BLM, EPA, DOT, Local Emergency Planning Coordinator or other).

Date	Agency	Contact	Phone	Response

Spill/Release Tracking No: 2230153

NARRATIVE ATTACHMENT - FORM 19

N30 North Parachute Ranch Pit Closure (Remediation # 7167)
Date of Discovery – 08/08/2012

Detailed description of the spill/release incident:
This Form 19 was prepared and submitted in accordance with COGCC Rule 905.c for the discovery of a spill/release during a pit closure. This form submittal also may include information indicated in the Form 27 submitted for this project, Remediation # 7167. The facility ID number for the N30 pit is 285021. The release and liner failure were identified when the soil beneath the liner was sampled in accordance with Rule 905.b.(4). The Date of Incident is the date that sample results were received which identified elevated levels of COGCC Table 910-1 constituents of concern.

Describe immediate response (how stopped, contained and recovered):
In accordance with COGCC Rule 905.b, a Form 27 was also submitted for this project. The Notification of Completion prepared for this location will detail remediation efforts.

Describe any emergency pits constructed:
No emergency pits were constructed.

How was the extent of contamination determined?:
In accordance with COGCC Rule 905.b, representative grab samples were collected from the pit bottom after removal of the pit liner and were analyzed for comparison to the allowable concentration identified in Table 910-1. Sample analysis indicated total petroleum hydrocarbon (TPH) to be above the allowable concentration in all samples that were collected below the liner. One (1) benzene impact was identified in one below liner sample. Sample analysis also indicated sodium absorption ratio (SAR) and arsenic to be in two (2) below liner sample that was above the allowable concentration for Table 910-1. The attached site diagram illustrates sample location points.

Further remediation activities proposed (attach separate sheet if needed):
In accordance with COGCC Rule 905.b, a Form 27 was also submitted for this project. The Notification of Completion prepared for this location will detail remediation efforts.

Describe measures taken to prevent problem from reoccurring:
All pits are constructed and maintained in accordance with COGCC Rules 902, 903, 904, and 905.

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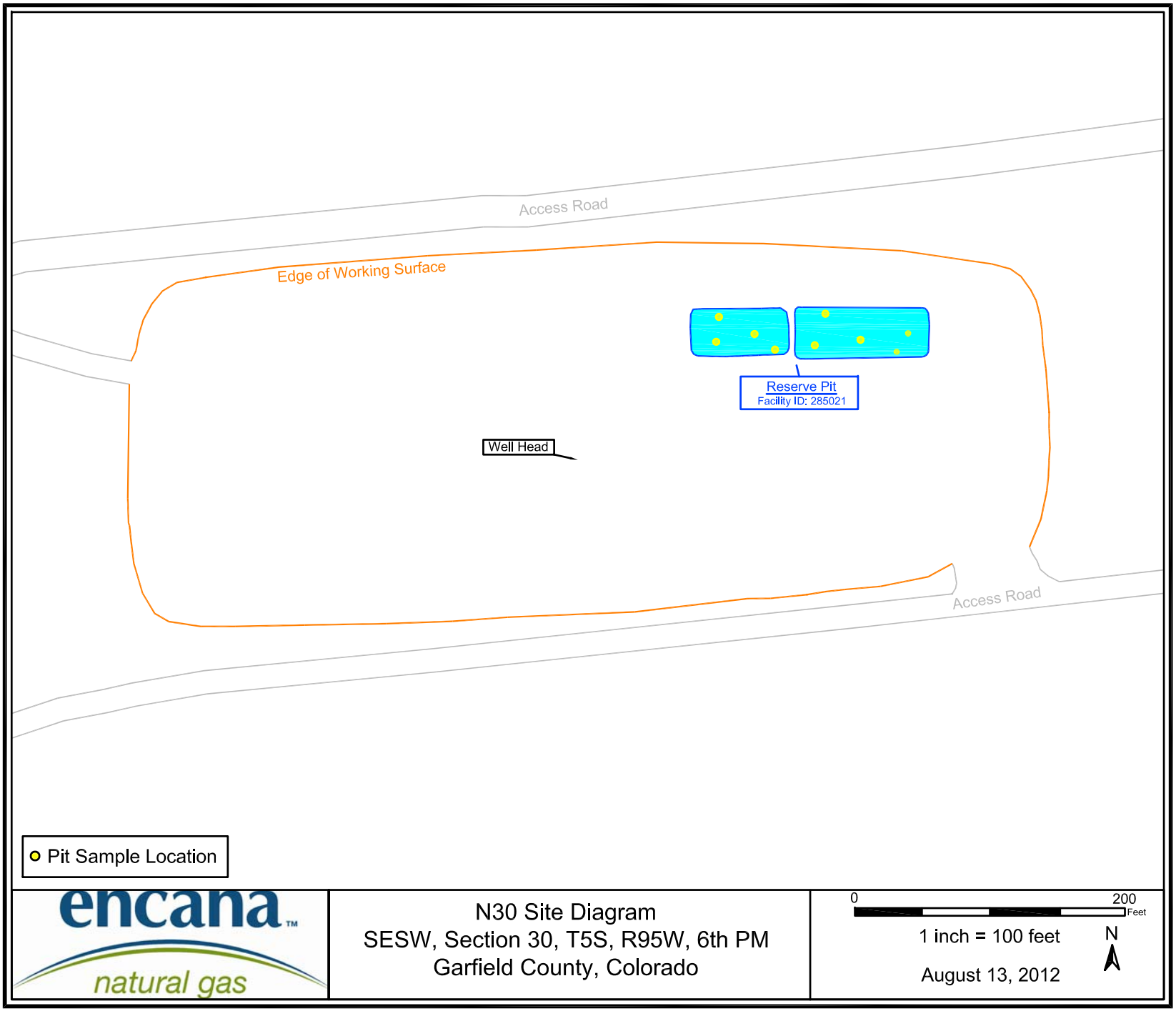
N30 Storage Pit Location
Parachute Field (NPR)
Garfield County, Colorado

0 0.5 1 1.5 2 2.5 3 Miles

1 inch = 6,000 feet

July 30, 2012

N


Access Road
Edge of Working Surface
Reserve Pit
Facility ID: 285021
Well Head
Access Road
Pit Sample Location
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N30 Site Diagram
SESW, Section 30, T5S, R95W, 6th PM
Garfield County, Colorado
0
200
Feet
1 inch = 100 feet
N
August 13, 2012

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Laboratory Results Summary Table

8/22/2012

Analytes (BDL = Below Detection Limit; ND = Non Detect)

						Organic Compounds in Soil (mg/kg [ppm])																				Inorganics in Soil			Metals in Soil (mg/kg [ppm])											
					Allowable Concentration -->	500			0.17	85	100	175	1000	1000	0.22	0.22	2.2	0.022	22	0.022	1000	1000	0.22	23	1000		(<12)	(6-9)	0.39	15000	70	120000	23	3100	400	23	1600	390	390	23000
Location	Lab	Sampler:	Sample Date:	Sample Matrix	Matrix Notes	TPH (total volatile and extractable petroleum hydrocarbons)	TPH-GRO (C6-C10) Low Fraction	TPH-DRO (C10-C36) High Fraction	Benzene	Toluene	Ethylbenzene	Xylenes - total	Acenaphthene	Anthracene	Benzo(A)anthracene	Benzo(B)fluoranthene	Benzo(K)fluoranthene	Benzo(A)pyrene	Chrysene	Dibenzo(A,H)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3,C,D)pyrene	Napthalene	Pyrene	EC (<4 mmhos/cm or 2x background)	SAR (calculation)	pH	Arsenic	Barium - EPA Total Barium	Cadmium	Chromium (III)	Chromium (VI)	Copper	Lead (inorganic)	Mercury	Nickel (soluble salts)	Selenium	Silver	Zinc
N30	ESC	MK	08/08/12	Pit	EPIT Sewall	**10010**	210	**9800**	0.035	BDL	0.38	10																												
N30	ESC	MK	08/08/12	Pit	EPIT Nebot	**9120**	120	**9000**	0.086	BDL	0.087	7.7																												
N30	ESC	MK	08/08/12	Pit	EPIT Center	**1004.8**	4.8	**1000**	BDL	BDL	0.0043	0.029	0.033	0.035	BDL	0.012	BDL	BDL	0.031	BDL	0.029	0.068	BDL	0.33	BDL	2.4	**21**	8.2	**6.8**	6300	0.36	17	BDL	18	16	0.029	14	BDL	BDL	52
N30	ESC	MK	08/08/12	Pit	EPIT SWBOT	**4526**	26	**4500**	0.0091	BDL	0.081	0.36																												
N30	ESC	MK	08/08/12	Pit	EPIT NWALL	**5040**	240	**4800**	**0.61**	2.5	1.4	14																												
N30	ESC	MK	08/08/12	Pit	WPIT SEWALL	**7520**	220	**7300**	BDL	BDL	0.87	3.5																												
N30	ESC	MK	08/08/12	Pit	WPIT BOT	**13450**	450	**13000**	BDL	BDL	1.5	33	1	0.64	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.7	BDL	3.5	BDL	0.01	**46**	8.4	**22**	3200	BDL	22	BDL	29	19	0.22	21	4.2	BDL	63
N30	ESC	MK	08/08/12	Pit	WPIT WBOT	**9085**	85	**9000**	0.04	BDL	0.23	0.78																												
N30	ESC	MK	08/08/12	Pit	WPIT Nwall	**7220**	20	**7200**	BDL	BDL	0.0086	0.042																												

Encana Oil and Gas (USA) Inc.
Environmental Compliance Group
Parachute Field Office
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Parachute, CO 81635