



DRAWN BY: CAW

DATE: 10/10/2013

Facility Diagram
PDC Energy, Inc.
Vetting 24-14 / Navarro Property
SESW S14 T5N R65W
Weld County, CO



6899 Pecos Street, Unit C
Denver, CO 80221

LEGEND

- Earthen Berm
- ⊕ Vetting 24-14 Soil Sample Location - Collected on 9/21/13
- ⊕ Navarro Property Soil Sample Location at 3" and 12" bgs - Collected on 10/10/2013
- ⊕ Navarro Property Background Sample Location at 3" and 12" bgs - Collected 10/10/2013

FIGURE 1
SOIL SAMPLE LOCATION MAP

Table 1
Soil Laboratory Analytical Data Summary Table - Organic Compounds
PDC Energy, Inc.
Navarro Property

Soil Sample	Data Collected	Organic Compounds (mg/kg)							
		GRO	DRO	TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene
SS01 @ 3"	10/10/2013	<0.50	<50	<50	<0.002	<0.005	<0.005	<0.005	<0.005
SS01 @ 12"	10/10/2013	<0.50	<50	<50	<0.002	<0.005	<0.005	<0.005	<0.005
SS02 @ 3"	10/10/2013	<0.50	<50	<50	<0.002	<0.005	<0.005	<0.005	<0.005
SS02 @ 12"	10/10/2013	<0.50	<50	<50	<0.002	<0.005	<0.005	<0.005	<0.005
SS03 @ 3"	10/10/2013	<0.50	<50	<50	<0.002	<0.005	<0.005	<0.005	<0.005
SS03 @ 12"	10/10/2013	<0.50	<50	<50	<0.002	<0.005	<0.005	<0.005	<0.005
SS04 @ 3"	10/10/2013	<0.50	<50	<50	<0.002	<0.005	<0.005	<0.005	<0.005
SS04 @ 12"	10/10/2013	<0.50	<50	<50	<0.002	<0.005	<0.005	<0.005	<0.005
SS05 @ 3"	10/10/2013	<0.50	<50	<50	<0.002	<0.005	<0.005	<0.005	<0.005
SS05 @ 12"	10/10/2013	<0.50	<50	<50	<0.002	<0.005	<0.005	<0.005	<0.005
SS06 @ 3"	10/10/2013	<0.50	<50	<50	<0.002	<0.005	<0.005	<0.005	<0.005
SS06 @ 12"	10/10/2013	<0.50	<50	<50	<0.002	<0.005	<0.005	<0.005	<0.005
SS07 @ 3"	10/10/2013	<0.50	<50	<50	<0.002	<0.005	<0.005	<0.005	<0.005
SS07 @ 12"	10/10/2013	<0.50	<50	<50	<0.002	<0.005	<0.005	<0.005	<0.005
BCKG @ 3"	10/10/2013	<0.50	<50	<50	<0.002	<0.005	<0.005	<0.005	<0.005
BCKG @ 12"	10/10/2013	<0.50	<50	<50	<0.002	<0.005	<0.005	<0.005	<0.005
COGCC Soil Standard				500	0.17	85	100	175	23

Notes:

- 1). Standards for Soil are taken from 2 CCR 404-1, Table 910-1, effective April 1, 2009.
 - 2). TPH - Total volatile and extractable petroleum hydrocarbons. Value calculated by adding GRO and DRO concentrations.
- GRO - Gasoline Range Organics DRO - Diesel Range Organics
mg/kg - Milligrams per kilogram. bgs - Below ground surface.
- Bold** values indicate a concentration above the COGCC Table 910-1 soil standards.

Table 2
Soil Laboratory Analytical Data Summary Table - Inorganic Compounds
PDC Energy, Inc.
Navarro Property

Soil Sample	Date Collected	Selenium	Silver	Zinc	Mercury	Hexavalent Chromium	Chromium +3 (Calculated)	Calcium	Magnesium	Sodium	SAR	Specific Conductance	pH
inches bgs		mg/kg										-	mmhos/cm
SS01 @ 3"	10/10/2013	<0.0379	<0.0758	8.82	<0.0377	<1.02	3.14	16.0	12.8	8.29	0.37	0.04	7.43
SS01 @ 12"	10/10/2013	<0.0386	<0.0773	12.9	<0.0375	<1.03	5.79	8.36	8.4	9.71	0.57	0.0377	7.19
SS02 @ 3"	10/10/2013	NR	<0.0784	18.9	<0.0404	<1.05	3.01	321	72.3	8.03	0.11	0.19	8.8
SS02 @ 12"	10/10/2013	<0.0396	<0.0792	16.5	<0.0386	<1.04	4.09	228	63.7	8.72	0.13	0.133	8.99
SS03 @ 3"	10/10/2013	<0.0391	<0.0783	14.0	<0.0384	<1.03	4.42	<8.07	9.52	8.37	0.48	0.0198	7.14
SS03 @ 12"	10/10/2013	<0.0409	<0.0817	11.5	<0.0401	<1.07	3.77	<8.71	6.29	7.05	0.46	0.0452	7.27
SS04 @ 3"	10/10/2013	NR	<0.0771	22.6	<0.0383	<1.04	2.98	56.7	32.1	4.49	0.12	0.15	8.08
SS04 @ 12"	10/10/2013	<0.0389	<0.0778	20.3	<0.0384	<1.04	5.28	58.7	40.6	<4.17	0.09	0.134	8.56
SS05 @ 3"	10/10/2013	NR	<0.0837	31.2	<0.0405	<1.10	5.84	201	62.5	19.9	0.31	0.512	8.23
SS05 @ 12"	10/10/2013	NR	<0.0814	23.0	<0.0395	<1.06	5.53	52.9	30.2	11.9	0.32	0.238	7.00
SS06 @ 3"	10/10/2013	NR	<0.0784	21.0	<0.0382	<1.03	2.92	130	44.2	4.12	0.08	0.195	8.85
SS06 @ 12"	10/10/2013	NR	<0.0808	26.2	<0.0399	<1.05	4.56	124	50.5	<4.05	0.06	0.219	8.62
SS07 @ 3"	10/10/2013	NR	<0.0803	22.0	<0.0368	<1.05	3.14	29.1	25.6	19.2	0.63	0.107	7.00
SS07 @ 12"	10/10/2013	NR	<0.0789	56.4	<0.0408	<1.06	3.81	43.3	43.7	14.9	0.4	0.16	6.54
BCKG @ 3"	10/10/2013	NR	<0.0791	22.6	<0.0388	<1.04	6.29	34.5	25.5	<4.08	0.11	0.154	8.11
BCKG @ 12"	10/10/2013	NR	<0.0863	23.5	<0.0426	<1.13	7.76	94.3	57.7	11.1	0.22	0.145	8.32
COGCC Soil Standard		390	390	23,000	23	1.2	120,000	-	-	-	<12	bckg	6-9
Soil Sample	Date Collected	Acenaphthene	Anthracene	Benzo(A) anthracene	Benzo(B) fluoranthene	Benzo(K) fluoranthene	Benzo(A) pyrene	Chrysene	Dibenz (A,H) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3,C,D) pyrene	Pyrene
inches bgs		mg/kg											
SS01 @ 3"	10/10/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SS01 @ 12"	10/10/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SS02 @ 3"	10/10/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SS02 @ 12"	10/10/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SS03 @ 3"	10/10/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SS03 @ 12"	10/10/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SS04 @ 3"	10/10/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SS04 @ 12"	10/10/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SS05 @ 3"	10/10/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SS05 @ 12"	10/10/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SS06 @ 3"	10/10/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	8,130
SS06 @ 12"	10/10/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SS07 @ 3"	10/10/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SS07 @ 12"	10/10/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
BCKG @ 3"	10/10/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
BCKG @ 12"	10/10/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
COGCC Soil Standard		1,000	1,000	0.22	0.22	22	0.022	22	0.022	1,000	1,000	0.22	1,000

Notes:

1). Standards for Soil are taken from 2 CCR 404-1, Table 910-1, effective April 1, 2009.

mg/kg- Milligrams per kilogram

mmhos/cm - Millimhos per centimeter

SAR - Sodium adsorption ratio

bgs - Below ground surface

NR - Not reported

Bold values indicate a concentration above the COGCC Table 910-1 soil standards.