From: <u>Kayla Scott</u>

To: <u>Bratcher, Mike, EMNRD</u>

Cc:Scott Springer; stacie.singleton@dvn.comSubject:Devon Laguna Salado Work PlanDate:Thursday, February 26, 2015 1:13:10 PMAttachments:Devon Laguna Salado work plan Rev 1.pdf

Good Afternoon Mike,

I have attached the work plan for Devon Energy Laguna Salado.

Please let me know if you have any questions.

Thank You,

Kayla Scott

Project Assistant



Enviro Clean: 2405 E. County Road 123: Midland: Texas: 79706

Main +1.432.301.0209 kscott@envirocleanps.com



February 23, 2015

Mr. Mike Bratcher NMOCD District 2 811 S. 1st Street Artesia, NM

RE: Soil Assessment and Remediation Work Plan

Devon Energy Corporation Laguna Salado South 1 Eddy County, NM

Dear Mr. Bratcher:

Devon Energy Corporation (Devon) has contracted Enviro Clean Services (ECS) to perform soil assessment and remediation services at the Laguna Salado South 1 (Laguna Salado) site in Eddy County, NM. The results of the soil assessment and proposed remediation activities are presented below.

Site Information

The Laguna Salado site is located 12 miles southeast of Loving in Eddy County, New Mexico. The legal location is Section 22, Township 23S, Range 29E, with a latitude of N32.292463 and a longitude of W103.973938. It consists of approximately 3.5 acres with two wellheads, a bermed area with eight tanks, and a bermed area with one vent tank. The pad is surrounded on the south and east by a saltwater lake, Salt Lake. The Site Plan is provided in **Appendix A**.

According to the US Department of Agriculture Natural Resource Conservation Service soil survey, the soil in this area is made up of Cottonwood-Reeves loams with 0% to 3% slopes. These soils are well drained with little to no runoff. Drainage courses in the area are normally dry. Groundwater in this area is less than 100 feet below ground surface (bgs), according to the New Mexico Office of the State Engineer. See **Appendix B** for the referenced groundwater data.

Ranking for this site, according to the New Mexico-Oil Conservation Division (NMOCD) Environmental Handbook, is **40** based on the following:

Depth to groundwater <50'
Wellhead protection area >1,000'
Distance to surface water body <200'

Incident Description

The release occurred on or around January 25, 2015 when a valve was shut off and crude oil was diverted to the vent tank. Approximately 8 barrels (bbls) of oil were released to the pad around the vent tank, and approximately 2 bbls were recovered by Devon. An approximately 240 square foot area was impacted east and north of the vent tank.

Sample Collection

On January 27, 2015, ECS field staff collected six samples at three locations within the impacted area. One background sample was collected at ground surface northeast of the vent tank approximately 20 ft. Grab samples from the impacted area were collected at the surface and at 6 inches bgs at each of the three locations using a hand auger. These samples were analyzed for Total Petroleum Hydrocarbons (TPH), per Method 8015M. The results are provided in **Table 1**. The laboratory analytical report and chain of custody documentation are provided in **Appendix C**.

TPH TPH TPH **Total TPH** Depth Sample ID C6-C12 C12-C28 C28-C35 C6-C38 (ft. bgs) (mg/Kg) (mg/Kg) (mg/Kg) (mg/Kg) 714 001 0 214 343 157 001 6" 0.5 37.0 51.9 38.3 127 002 2600 0 949 337 3890 002 6" 0.5 ND ND ND ND 003 0 1040 1390 148 2580 003 6" 0.5 ND ND ND ND BG ND 0 ND ND ND

Table 1- Summary of Analytical Results

TPH levels above the NMOCD action level for soil of 100 mg/Kg exist at sample locations 001, 002, and 003 at ground surface and at 001 at 6 in. bgs.

Proposed Remedial Actions

ECS proposes to till the impacted soil around the vent tank with hand tillers. The tilled area would then be treated with an EnviroClean solution, a hydrocarbon degradation agent that will aid breaking down the TPH. Confirmation samples will be collected approximately three months after the treatment and analyzed for TPH, Method 8015M.

A report detailing the remediation activities and sample results will be generated upon completion of the project and provided to the NMOCD, Artesia Office. If you have any questions

Page 3 of 3 February 23, 2015

about the information presented in this work plan, please don't hesitate to contact me at (432) 301-0209 or at sspringer@envirocleanps.com.

Sincerely,

Enviro Clean Services, LLC

Scott Springer

Scott Springer

Permian Basin Operations Manager

Attachments: Appendix A: Site Plan

Appendix B: Groundwater Data

Appendix C: Laboratory Analytical Report and Chain of Custody Documentation

APPENDIX A SITE PLAN



Sample	Location GPS P	oints
Sample Location	Latitude	Longitude
001	N32.292510	W103.974710
002	N32.292480	W103.974690
003	N32.292450	W103.974690
BG	N32.292490	W103.974650

	Site Plan Devon Energy Corporation Laguna Salado South 1 Sec. 22-23S-29E Eddy County, NM	
Scale: 1.25"=65' Date: 2/4/2015	ENVIRO CLEAN PERMIAN BASIN	Drawn By: ECS Project Mgr.: ECS
	2405 E County Road 123,	
Project No.:	DVNRNM0013	Figure: 1

APPENDIX B GROUNDWATER DATA



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW#### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is

(quarters are 1=NW 2=NE 3=SW 4=SE)

water right file.)	closed)		٠.			e smalle:			,	AD83 UTM in me	eters)	(In feet)	
	POD Sub-		0	Q (.							Donth	Denth	Water
POD Number	Code basin (Count				Sec Tws	Rng		X	Υ	Distance	•	•	Column
C 02797		ED		2	3	22 23S	29E	5965	540	3572895* 🌍	426	200		
C 02716		ED	4	4	4	16 23S	29E	5958	318	3574002*	1048	400		
C 02715		ED	4	1	3	15 23S	29E	5962	221	3574411* 🌕	1162	400		
C 02717		ED	4	2	4	16 23S	29E	5958	317	3574407* 🌍	1349	400		
C 01217 S		ED	4	1	4	16 23S	29E	5954	113	3574403* 🌍	1617	350		
C 02718		ED	4	4	2	16 23S	29E	5958	316	3574812* 🌕	1694	400		
<u>C 02720</u>		ED		2	1	21 23S	29E	5949	911	3573690*	1740	150		
C 02721		ED		2	3	21 23S	29E	5949	915	3572879* 🌕	1751	150		
C 02707	С	ED			2	28 23S	29E	5955	535	3571868*	1803	40	18	22
C 03057 EXPLORE		ED	4	1	1	21 23S	29E	5946	605	3573586*	2024	150		
C 02808		ED		2	3	16 23S	29E	5949	909	3574501*	2074	100		
C 02809		ED		2	3	16 23S	29E	5949	909	3574501*	2074	100		
C 02613		ED	4	4	2	20 23S	29E	5942	203	3573176*	2412	400		
C 02794		ED		4	3	10 23S	29E	5965	518	3575731*	2416	100		
C 02795		ED		4	3	10 23S	29E	5965	518	3575731*	2416	200		
C 01627	С	ED	1	4	4	28 23S	29E	5956	649	3570959*	2545	170		
C 03058 EXPLORE		ED	4	1	1	16 23S	29E	5946	805	3575206*	2756	150		
C 02608		ED	3	1	4	17 23S	29E	5935	598	3574387*	3197	400		
C 02705	С	ED			2	17 23S	29E	5939	902	3575093*	3239	68	28	40
C 03059 EXPLORE		ED	4	1	3	17 23S	29E	5929	993	3574378*	3770		65	
C 03587 POD1	CUB	ED	1	4	3	29 23S	29E	5933	338	3570754 🌑	4156	99	44	55
C 02806		ED		1	1	09 23S	29E	5944	173	3576927*	4196	100		
<u>C 02807</u>		ED		1	1	09 23S	29E	5944	173	3576927*	4196	100		
C 02792		ED		4	3	04 23S	29E	5948	368	3577336*	4381	200		
C 02793		ED		4	3	04 23S	29E	5948	368	3577336* 🌕	4381	100		
<u>C 02706</u>	С	ED			4	18 23S	29E	5923	302	3574291* 🌕	4418	17	10	7

*UTM location was derived from PLSS - see Help

2/23/15 10:45 AM Page 1 of 3 WATER COLUMN/ AVERAGE **DEPTH TO WATER**

(In feet)

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

water right file.)	POD	(-1				or to lai	9, (-		,			
	Sub-		-	Q C	-	_		v	.,	.			Water
POD Number C 03587 POD2	Code basin CUB	County ED				23S		X 592213	_	Distance 4440	Well 77	Water 16	Column 61
C 02486	С	ED				238		601304		4717	350		
C 02182	С	ED				238		592328		4846	75	30	45
C 02804		ED				23S		593262		4908	100		
C 02805		ED				23S		593262		4908	100		
C 02704	С	ED		1	19	23S	29E	591531		5083	174		
C 00571	С	ED	1	3 3	30	23S	29E	591241	3570957*	5865	89	38	51
C 00571 CLW241602	0	ED	3	3 3	30	238	29E	591241	3570757*	5948	89	38	51
C 00136 A	С	ED	4	4 4	25	23S	28E	591037	3570753*	6135	100	60	40
C 02702	С	ED		2	2 13	23S	28E	590715	3575108*	6162	38	20	18
C 02743		ED	2	1 4	1 34	22S	29E	596989	3579473*	6168	377		
C 00136 S		ED	1	1 2	2 25	23S	28E	590426	3572167* 🌕	6290	122	45	77
C 00136		ED	3	1 2	2 25	23S	28E	590426	3571967* 🌍	6330	200	42	158
C 00136 CLW194026	0	ED	3	1 2	2 25	23S	28E	590426	3571967* 🌍	6330	200	52	148
C 00136 CLW235233	0	ED	3	1 2	2 25	23S	28E	590426	3571967* 🌍	6330	200	42	158
C 03001 EXPLORE		ED	1	1 4	25	23S	28E	590430	3571355* 🌕	6484	140		
C 01215		ED	4	2 3	3 13	23S	28E	590210	3574397* 🌍	6491	104	15	89
C 01967	С	ED		2 3	3 13	23S	28E	590111	3574498* 🌕	6606	264	200	64
<u>C 01443</u>	С	ED		2 1	25	23S	28E	590123	3572064* 🌕	6607	50	27	23
C 03615 POD2	CUB	ED	4	2 4	1 06	24S	29E	592661	3568013 🌍	6611	60	26	34
C 03615 POD1	CUB	ED	1	3 2	2 06	248	29E	591964	3568500 🌍	6692	60	36	24
<u>C 01214</u>		ED	1	2 3	3 13	23S	28E	590010	3574597* 🌍	6724	70	20	50
C 00500		ED	4	3 1	24	23S	28E	589811	3573176* 🌍	6801	130		
C 00868		ED	4	3 1	24	23S	28E	589811	3573176* 🌍	6801	190		

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

Received by OCD: 9/6/2024 10:26:23 AM

Page 10 of 51

41 feet

Average Depth to Water:

Minimum Depth: 10 feet

Maximum Depth: 200 feet

Record Count: 50

UTMNAD83 Radius Search (in meters):

Easting (X): 596611.1 **Northing (Y):** 3573315.9 **Radius:** 7000

APPENDIX C

LABORATORY ANALYTICAL REPORT AND CHAIN OF CUSTODY DOCUMENTATION

PERMIAN BASIN ENVIRONMENTAL LAB, LP 10014 SCR 1213 Midland, TX 79706



Analytical Report

Prepared for:

Joel Ortiz EnviroClean PS 2405 E CR 123 Midland, TEXAS 79706

Project: Devon Laguna Salado south 1
Project Number: DVNRNM0013

Location: New Mexico

Lab Order Number: 5A28006



NELAP/TCEQ # T104704156-13-3

Report Date: 02/03/15

EnviroClean PS Project: Devon Laguna Salado south 1

2405 E CR 123Project Number:DVNRNM0013Midland TEXAS, 79706Project Manager:Joel Ortiz

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
sample 001	5A28006-01	Soil	01/27/15 15:48	01-28-2015 13:00
sample 001 6"	5A28006-02	Soil	01/27/15 15:50	01-28-2015 13:00
sample 002	5A28006-03	Soil	01/27/15 15:51	01-28-2015 13:00
sample 002 6"	5A28006-04	Soil	01/27/15 15:55	01-28-2015 13:00
sample 003	5A28006-05	Soil	01/27/15 15:59	01-28-2015 13:00
sample 003 6"	5A28006-06	Soil	01/27/15 16:00	01-28-2015 13:00
BG	5A28006-07	Soil	01/27/15 16:15	01-28-2015 13:00

EnviroClean PS Project: Devon Laguna Salado south 1

2405 E CR 123Project Number:DVNRNM0013Midland TEXAS, 79706Project Manager:Joel Ortiz

sample 001 5A28006-01 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Permi	an Basin E	Environmen	tal Lab,	L.P.				
General Chemistry Parameters by EPA	/ Standard Methods	1							
Chloride	230	1.14	mg/kg dry	1	P5B0301	01/30/15	02/03/15	EPA 300.0	
% Moisture	12.0	0.1	%	1	P5A2902	01/29/15	01/29/15	% calculation	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 801	15M							
C6-C12	214	28.4	mg/kg dry	1	P5A2906	01/28/15	01/28/15	TPH 8015M	
>C12-C28	343	28.4	mg/kg dry	1	P5A2906	01/28/15	01/28/15	TPH 8015M	
>C28-C35	157	28.4	mg/kg dry	1	P5A2906	01/28/15	01/28/15	TPH 8015M	
Surrogate: 1-Chlorooctane		112 %	70-13	30	P5A2906	01/28/15	01/28/15	TPH 8015M	
Surrogate: o-Terphenyl		115 %	70-13	30	P5A2906	01/28/15	01/28/15	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	714	28.4	mg/kg dry	1	[CALC]	01/28/15	01/28/15	calc	

EnviroClean PS Project: Devon Laguna Salado south 1

2405 E CR 123Project Number:DVNRNM0013Midland TEXAS, 79706Project Manager:Joel Ortiz

sample 001 6" 5A28006-02 (Soil)

Analyte Result Limit Units Dilution Batch Prepared Analyzed Method Note			Reporting							
	Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Chloride	98.9	1.15	mg/kg dry	1	P5B0301	01/30/15	02/03/15	EPA 300.0
% Moisture	13.0	0.1	%	1	P5A2902	01/29/15	01/29/15	% calculation
Total Petroleum Hydrocarbons C6-C3	35 by EPA Method 80	15M						
C6-C12	37.0	28.7	mg/kg dry	1	P5A2906	01/28/15	01/28/15	TPH 8015M
>C12-C28	51.9	28.7	mg/kg dry	1	P5A2906	01/28/15	01/28/15	TPH 8015M
>C28-C35	38.3	28.7	mg/kg dry	1	P5A2906	01/28/15	01/28/15	TPH 8015M
Surrogate: 1-Chlorooctane		112 %	70-130		P5A2906	01/28/15	01/28/15	TPH 8015M
Surrogate: o-Terphenyl		123 %	70-130		P5A2906	01/28/15	01/28/15	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	127	28.7	mg/kg dry	1	[CALC]	01/28/15	01/28/15	calc

EnviroClean PS Project: Devon Laguna Salado south 1

2405 E CR 123 Project Number: DVNRNM0013 Midland TEXAS, 79706 Project Manager: Joel Ortiz

> sample 002 5A28006-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
Permian Basin Environmental Lab, L.P.										
General Chemistry Parameters	by EPA / Standard Methods									

Chloride	5640
9/ Maistura	20.0

Chloride	5640	31.2	mg/kg ary	25	P5B0301	01/30/15	02/03/15	EPA 300.0	
% Moisture	20.0	0.1	%	1	P5A2902	01/29/15	01/29/15	% calculation	
Total Petroleum Hydrocarbons C6-C3	35 by EPA Method 801:	5M							
C6-C12	949	156	mg/kg dry	5	P5A2906	01/28/15	01/28/15	TPH 8015M	
>C12-C28	2600	156	mg/kg dry	5	P5A2906	01/28/15	01/28/15	TPH 8015M	
>C28-C35	337	156	mg/kg dry	5	P5A2906	01/28/15	01/28/15	TPH 8015M	
Surrogate: 1-Chlorooctane		124 %	70-130)	P5A2906	01/28/15	01/28/15	TPH 8015M	
Surrogate: o-Terphenyl		130 %	70-130)	P5A2906	01/28/15	01/28/15	TPH 8015M	S-GC
Total Petroleum Hydrocarbon	3890	156	mg/kg dry	5	[CALC]	01/28/15	01/28/15	calc	

Surrogate: 1-Chlorooctane

Total Petroleum Hydrocarbon C6-C35

Surrogate: o-Terphenyl

Fax: (432) 301-0176

TPH 8015M

TPH 8015M

calc

EnviroClean PS Project: Devon Laguna Salado south 1

ND

2405 E CR 123Project Number:DVNRNM0013Midland TEXAS, 79706Project Manager:Joel Ortiz

sample 002 6'' 5A28006-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Permi	an Basin E	Environme	ntal Lab, l	L .P.				
General Chemistry Parameter	rs by EPA / Standard Methods								
Chloride	190	1.18	mg/kg dry	1	P5B0301	01/30/15	02/03/15	EPA 300.0	
% Moisture	15.0	0.1	%	1	P5A2902	01/29/15	01/29/15	% calculation	
Total Petroleum Hydrocarbon	ns C6-C35 by EPA Method 801	5M							
C6-C12	ND	29.4	mg/kg dry	1	P5A2906	01/28/15	01/28/15	TPH 8015M	
>C12-C28	ND	29.4	mg/kg dry	1	P5A2906	01/28/15	01/28/15	TPH 8015M	
>C28-C35	ND	29.4	mg/kg dry	1	P5A2906	01/28/15	01/28/15	TPH 8015M	

70-130

70-130

103 %

112 %

29.4 mg/kg dry

P5A2906

P5A2906

[CALC]

01/28/15

01/28/15

01/28/15

01/28/15

01/28/15

01/28/15

C6-C35

Fax: (432) 301-0176

EnviroClean PS Project: Devon Laguna Salado south 1

2405 E CR 123Project Number:DVNRNM0013Midland TEXAS, 79706Project Manager:Joel Ortiz

sample 003 5A28006-05 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perr	nian Basin E	Environmer	ıtal Lab, l	L.P.				
General Chemistry Parameters by EPA / S	tandard Metho	ds							
Chloride	1140	1.16	mg/kg dry	1	P5B0301	01/30/15	02/03/15	EPA 300.0	
% Moisture	14.0	0.1	%	1	P5A2902	01/29/15	01/29/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by	EPA Method 8	015M							
C6-C12	1040	145	mg/kg dry	5	P5A2906	01/28/15	01/28/15	TPH 8015M	
>C12-C28	1390	145	mg/kg dry	5	P5A2906	01/28/15	01/28/15	TPH 8015M	
>C28-C35	148	145	mg/kg dry	5	P5A2906	01/28/15	01/28/15	TPH 8015M	
Surrogate: 1-Chlorooctane		119 %	70-1	30	P5A2906	01/28/15	01/28/15	TPH 8015M	
Surrogate: o-Terphenyl		120 %	70-1	30	P5A2906	01/28/15	01/28/15	TPH 8015M	
Total Petroleum Hydrocarbon	2580	145	mg/kg dry	5	[CALC]	01/28/15	01/28/15	calc	

EnviroClean PS Project: Devon Laguna Salado south 1

2405 E CR 123Project Number:DVNRNM0013Midland TEXAS, 79706Project Manager:Joel Ortiz

sample 003 6" 5A28006-06 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Chloride	Standard Methods 230	1.14	mg/kg dry	1	P5B0301	01/30/15	02/03/15	EPA 300.0
% Moisture	12.0	0.1	%	1	P5A2902	01/29/15	01/29/15	% calculation
Total Petroleum Hydrocarbons C6-C35 b	y EPA Method 801	15M						
C6-C12	ND	28.4	mg/kg dry	1	P5A2906	01/28/15	01/28/15	TPH 8015M
>C12-C28	ND	28.4	mg/kg dry	1	P5A2906	01/28/15	01/28/15	TPH 8015M
>C28-C35	ND	28.4	mg/kg dry	1	P5A2906	01/28/15	01/28/15	TPH 8015M
Surrogate: 1-Chlorooctane		100 %	70-130		P5A2906	01/28/15	01/28/15	TPH 8015M
Surrogate: o-Terphenyl		115 %	70-130		P5A2906	01/28/15	01/28/15	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	01/28/15	01/28/15	calc

EnviroClean PS Project: Devon Laguna Salado south 1

2405 E CR 123Project Number:DVNRNM0013Midland TEXAS, 79706Project Manager:Joel Ortiz

BG 5A28006-07 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	44100	56.8	mg/kg dry	50	P5B0301	01/30/15	02/03/15	EPA 300.0	
% Moisture	12.0	0.1	%	1	P5A2902	01/29/15	01/29/15	% calculation	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	15M							
C6-C12	ND	28.4	mg/kg dry	1	P5A2906	01/28/15	01/29/15	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P5A2906	01/28/15	01/29/15	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P5A2906	01/28/15	01/29/15	TPH 8015M	
Surrogate: 1-Chlorooctane		94.3 %	70-130		P5A2906	01/28/15	01/29/15	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-130		P5A2906	01/28/15	01/29/15	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	01/28/15	01/29/15	calc	

EnviroClean PS Project: Devon Laguna Salado south 1

2405 E CR 123Project Number:DVNRNM0013Midland TEXAS, 79706Project Manager:Joel Ortiz

Fax: (432) 301-0176

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	Result	LIIIII	Units	Level	Kesuit	/0KEC	Lillits	KrD	Lillit	inotes
Batch P5A2902 - *** DEFAULT PREP ***										
Blank (P5A2902-BLK1)				Prepared &	Analyzed:	01/29/15				
% Moisture	ND	0.1	%							
Duplicate (P5A2902-DUP1)	Source: 5A28002-01 Prepared & Analyze					01/29/15				
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P5A2902-DUP2)	Sour	e: 5A28002-	-03	Prepared &	Analyzed:	01/29/15				
% Moisture	7.0	0.1	%		6.0			15.4	20	
Batch P5B0301 - *** DEFAULT PREP ***										
Blank (P5B0301-BLK1)				Prepared &	Analyzed:	02/03/15				
Chloride	ND	1.00	mg/kg wet							
LCS (P5B0301-BS1)				Prepared &	Analyzed:	02/03/15				
Chloride	102	1.00	mg/kg wet	100		102	80-120			
LCS Dup (P5B0301-BSD1)				Prepared &	Analyzed:	02/03/15				
Chloride	100	1.00	mg/kg wet	100		100	80-120	1.48	20	
Duplicate (P5B0301-DUP1)	Sour	ee: 5A27002-	-01	Prepared &	: Analyzed:	02/03/15				
Chloride	4590	5.56	mg/kg dry		4540			1.11	20	
Duplicate (P5B0301-DUP2)	Source	ee: 5A28006-	-01	Prepared &	Analyzed:	02/03/15				
Chloride	226	1.14	mg/kg dry		230			1.80	20	
Matrix Spike (P5B0301-MS1)	Sour	ee: 5A27002-	-01	Prepared & Analyzed: 02/03/15						
Chloride	4970	5.56	mg/kg dry	444	4540	97.3	80-120			

EnviroClean PS Project: Devon Laguna Salado south 1

2405 E CR 123Project Number:DVNRNM0013Midland TEXAS, 79706Project Manager:Joel Ortiz

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5A2906 - TX 1005	100000		2.1110			,,,,,,				
Blank (P5A2906-BLK1)				Prepared &	: Analyzed:	01/28/15				
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	99.5		"	100		99.5	70-130			
Surrogate: o-Terphenyl	54.0		"	50.0		108	70-130			
LCS (P5A2906-BS1)				Prepared &	: Analyzed:	01/28/15				
C6-C12	875	25.0	mg/kg wet	1000		87.5	75-125			
>C12-C28	986	25.0	"	1000		98.6	75-125			
Surrogate: 1-Chlorooctane	120		"	100		120	70-130			
Surrogate: o-Terphenyl	53.5		"	50.0		107	70-130			
LCS Dup (P5A2906-BSD1)				Prepared &	Analyzed:	01/28/15				
C6-C12	921	25.0	mg/kg wet	1000		92.1	75-125	5.07	20	
>C12-C28	1010	25.0	"	1000		101	75-125	1.98	20	
Surrogate: 1-Chlorooctane	128		"	100		128	70-130			
Surrogate: o-Terphenyl	62.2		"	50.0		124	70-130			

EnviroClean PS Project: Devon Laguna Salado south 1

2405 E CR 123Project Number:DVNRNM0013Midland TEXAS, 79706Project Manager:Joel Ortiz

Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surr
--

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

	Drew	Darlor		
Report Approved By:			Date:	2/3/2015

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP 10014 S. County Road 1213 Midland, Texas 79706

Phone: 432-686-7235

Company Name Revicedant PS Company Name Review R	R	eceive	d by				0:26	:23	AM	Kanana	sammine.	, avanorie	Liannous	o ostranina	Language p.2.	IZSKS900 NOOTOONS MAANA MAANA MAANA								
Political Program PS Project Received by Project Received by		elin.	\elin		, Š											LAB # (lab use only)		5						
Project ## Pro	į	lsiuk	ùish		i iii					5	O)	4	S	67	-									
Project ## Pro		e c	ē		nstr	Г										7	# 3		Sa	ē	ဋ	ဂ္ဂ	ဂ္ဂ	P
No. 123-01-0209 No. 123-01-0209 Fax No. 123-01-0209 Fax No. 1246 Contained Part Port No. 125-01-0209 Part No. 125-01-0209 Fax No.		×	Ý	<i>L</i> ∠ ×	ucti												$Q_{I_{i}}$	1	<u> </u>	ep	y/S	ğ	ğ	ojec
No. 123-01-0209 No. 123-01-0209 Fax No. 123-01-0209 Fax No. 1246 Contained Part Port No. 125-01-0209 Part No. 125-01-0209 Fax No.					ons										<u> </u>		\mathcal{D}		<u> </u>	ğ	tate	any	any	ž S
Decode Project Proje				2		1						1	· ·				28			e Z	Ž	A	Z	ana
Decode Project Proje				2			1			sa ·	 	တ္ထ	<u></u>	Sa			X			9	×	dre	me	lger
Project Loc: Depoint Splints Saledo south			و ا	3						Щp	am	3	äm	Ħ	am	ļ ē	Ħ		<u>.</u>	,				.:
Project Loc: Depoint Splints Saledo south									BG	e) 음	e	ple	e C	ple	D C)(43	<u>=</u>	246	m	ြွ
Project Loc: Depoint Splints Saledo south				`						င္ထ	8	ន្ត	န္လြ	3	8	ODE	J			30	llan)5 m	S S	0
Project Name: Devoi Laguma Salado south 1 Project Name: Devoi Repair Name: Devoi Rep						1				ြို့		တ္ခ		ြာ		•			^	1-02	12	윘	ea C	# ₹
Project Name: Devon Laguria Salado south	٠			<u>~</u>	1										1				5	9	xas	123	2	1
Beginning Depth Ending Depth		D	ŭ	(S) E	,													14	ŏ		797		°	
Fax No: Project Name: Decontage Dec		ā	ē	~ ā														_ (\bigcirc	1	8			
Fax No: Project Name: Decontage Dec					-	—	ļ		-		ļ		ļ	_	_	**************************************	٦ .		$\widetilde{\mathcal{Z}}$					ì
Fax No: Project Name: Decontage Dec		-		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\												Beginning Depth			N .					
Project Lagura Salado south 1 Fax No: Find filtered Disconnections Project I.c.: Project I.c.: Disconnections Project		ime	ime	४ ∄			†	· · · · ·			<u> </u>	T				Ending Denth	1				1			
Project No: Fax No:				ļ <u>.</u>		·						<u> </u>		_	<u> </u>	Chaing Depth								
Project No: Fax No:	($\bigvee \widetilde{\$}$	Sec.	ece	1					_			Ŀ					•						
Project No: Fax No:	11		ived	Řed					١					\vdash	27	Date Sampled				1				
Frax No: Project Name: Devon Laguria Salado south 1 Devon Laguria Salado south 1 Project Name: Devon Laguria		> by F	by:	ă	1		1		-				l		1					1			1	
Frax No: Project Name: Devon Laguria Salado south 1 Devon Laguria Salado south 1 Project Name: Devon Laguria		»BEI				-	+-		·		_	<u> </u>	├	 	 `		-	ļ		l				
No. Project Name: Devon Laguna Salado south 1 Devon Laguna Salado sou		('							16	6	3	5	7	5	2									
No. Project Name: Devon Laguna Salado south 1 Devon Laguna Salado sou)							: h5	٠.	3	3	15:	35:	2	Time Sampled			<u>φ</u>	Fax		1		
Field Filtered Total #. of Containers Ice Project Log: HNO, HCI H+SO, NacH NacH Nac,SO, None Other (Specify) Difference Specification (Specify) Difference Specification (Specify) Difference Specification (Specify) Date Date Date Date Project Log: NEW Medicis As Ag Bis Cd Cr Pb Hg Se Volatiles Sample Fland Delivered Sample Fland Delivered RUSH TAT (Pre-Schedule) 24, 48, 72 hrs Standard TAT		1							\	١		 `			$ \infty $				na <u>i</u>	N N			-	
Project Name: Devon Laguna Salado south 1 Project Name: Devon Name: De		\				-	1	<u> </u>			\vdash	╁	一			Field Filtered	1		• •	••		1		
Project Name: Devon Laguna Salado south 1 Project Name: Devon Name: De		ì					+			_	-	=	\vdash	\vdash	=	Total #. of Containers	ᆲᇸ	ig f	SS	1	1			
Project Name: Devon Laguna Salado south 1 Project Name: Devon Name: De							1		<u> </u>		1					Ice	Mar S		Ď.					
Project Name: Devon Laguna Salado south 1 Project Name: Devon Name: De							1									HNO ₃	Pres	en en	g e			İ		
Project Name: Devon Laguna Salado south 1 Project Name: Devon Name: De							1					†	T	1	T	HCI	ervat	Viro	8				İ	1
Detect Name: Devon Laguna Salado south 1 Project Name: Devon L														T		H ₂ SO ₄								
Detect Name: Devon Laguna Salado south 1 Project Name: Devon L										l				1		NaOH	#ea	anp	OC.	1	1			1
Detect Name: Devon Laguna Salado south 1 Project Name: Devon L																Na ₂ S ₂ O ₃	nps	S.CC	eanj					1
Dealer Devon Laguna Salado south 1 DVNRNM0013 Project Name: Devon Laguna Salado south 1 DVNRNM0013 Project Name: DVN									$\overline{}$			\vdash			8	None	ainer 8	ğ B	os.c	1				İ
Project Name: Devon Laguna Salado south 1 Project Loc: Name: Devon Laguna Salado south 1 Project Loc: Name: Devon Laguna Salado south 1 Project Loc: Name: Devon Laguna Salado south 1 Project Loc: Name: Devon Laguna Salado south 1 Project Loc: Name: Devon Laguna Salado south 1 Project Loc: Name: Devon Laguna Salado south 1 Project Loc: Name: Devon Laguna Salado south 1 Project Loc: Name: Devon Laguna Salado south 1 Project Loc: Name: Devon Laguna Salado south 1 Project Loc: Name: Devon Laguna Salado south 1 Project Loc: Name: Devon Laguna Salado south 1 Project Loc: Name: Devon Laguna Salado south 1 New Mexico Name: Devon Laguna Salado south 1 Project Loc: Name: Devon Laguna Salado south 1 New Mexico Name: Devon Laguna Salado south 1 NEW Mexico Name: Devon Laguna Salado south 1		N			3											Other (Specify)		3	Ö M					
Project Loc: Project Name: Devon Laguna Salado south 1	•	∞ 5	กี	7	5			-	#-	-	-	-	_		//		<u>₹</u>			20				
Project Loc: Project Name: Devon Laguna Salado south 1		\triangle		ļ					ľ] "\	1	E I	Ì		epo				70
Devon Laguna Salado south 1 Example Container Cations (Ca, Mg, Na, K) Policy		- <i>"to</i> d"	-		_	\vdash	-	-		_	<u> </u>	1	_	+		<u> </u>		77		Ā		Pro	יסי	oje
Devon Laguna Salado south 1 Example Container Cations (Ca, Mg, Na, K) Policy		<u>`</u>	∄	ā	3	-	+	 		\vdash	\vdash		\vdash	+	12	 				ij	75	ect	oje	×
Devon Laguna Salado south 1 Devon Laguna Salado south 1 Devon Laguna Salado south 1 Devon Laguna Salado south 1 Devon Laguna Salado south 1 Devon Laguna Salado south 1 Devon Laguna Salado south 1 Devon Laguna Salado south 1 Devon Laguna Salado south 1 Devon Laguna Salado south 1 Devon Laguna Salado south 1 Rew Mexico NEW Mexico			l <i>(</i>		 < Ø r		+	\vdash	 	╁	+-	-	╁	+	+-					ř	Ŏ #	S L	£ 33	me
RCI N.O.R.M. N.O.R.M. RUSH TAT (Pre-Schedule) 24, 48, 72 hrs Standard TAT		dius	ورو ورو	usto usto		_	+	├	-				上	上	乀					J	Ι.		ı.	٦
RCI N.O.R.M. N.O.R.M. RUSH TAT (Pre-Schedule) 24, 48, 72 hrs Standard TAT		E E	Sale Sale			<u> </u>	+	1-	L	┼┈	+-	+	\vdash	+-	╁	<u> </u>	<u> </u>			St				ď
RCI N.O.R.M. N.O.R.M. RUSH TAT (Pre-Schedule) 24, 48, 72 hrs Standard TAT			and nple urier	eals	e ga c		╁	+-	-	╁	-	+	十	\dagger	1	Metals: As Ag Ba Cd Cr Pb H		7 1	İ	ande				Š
RCI N.O.R.M. N.O.R.M. RUSH TAT (Pre-Schedule) 24, 48, 72 hrs Standard TAT			70	289			+	1	\vdash	+-	+-	╁	T	+	†			naly		ā			lo	[a
RCI N.O.R.M. N.O.R.M. RUSH TAT (Pre-Schedule) 24, 48, 72 hrs Standard TAT		> =			dsp in		-	T	T	+	1	T	十一	+-	T	Semivolatiles		zeF					I≨	gun
RCI N.O.R.M. N.O.R.M. N.O.R.M. RUSH TAT (Pre-Schedule) 24, 48, 72 hrs Standard TAT		ကြိတ်မှိ	လ မြို့ ပြ	aine (S)	ace.	!	1	T	T	Ť	T	T	†	1	1	BTEX 8021B/5030 or BTEX 8	260	9			}		Z	āS
RUSH TAT (Pre-Schedule) 24, 48, 72 hrs		Fac	, P	(S	•	T	\top	1	1	1	1	1	1	T		RCI]		됬	d M	N	100	alac
RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	_		₩				1	1	Τ							N.O.R.M.				쉼	3	N N	13	S OF
RUSH TAT (Pre-Schedule) 24, 48, 72 hrs		F(F>	X		Γ				L								_			100	exic		l Cut
Standard TAT		T	₽(≺-	\mathfrak{MP}	XXX																"	ľ		7
Standard TAT			₹ /	Ψ,									1							PD				
			e Z Z	Z Z Z	ZZZ					_	1	1	1	_	ļ.,		4, 48, 72 h	rs		ES				
	10		34/85: 24/200				10	.)0.	<u></u>	T	士	上	上	1	<u>-</u> <u>Y</u>	Standard TAT					İ	ì	1	1

From: Bratcher, Mike, EMNRD

To: "Kayla Scott"

Cc: Scott Springer; stacie.singleton@dvn.com; Patterson, Heather, EMNRD

Subject: RE: Devon Laguna Salado Work Plan

Date: Thursday, February 26, 2015 1:35:00 PM

Ladies and Gentlemen,

OCD has no record of receipt of an initial report C-141 for this release. Please advise. Also, is there an MSDS sheet, or any other information available for the proposed EnviroClean amendment?

Thank you,

Mike Bratcher NMOCD District 2 811 S. First Street Artesia, NM 88210 O: 575-748-1283 X108

C: 575-626-0857 F: 575-748-9720

From: Kayla Scott [mailto:KScott@envirocleanps.com]

Sent: Thursday, February 26, 2015 1:11 PM

To: Bratcher, Mike, EMNRD

Cc: Scott Springer; stacie.singleton@dvn.com **Subject:** Devon Laguna Salado Work Plan

Good Afternoon Mike,

I have attached the work plan for Devon Energy Laguna Salado.

Please let me know if you have any questions.

Thank You,

Kayla Scott

Project Assistant



Enviro Clean: 2405 E. County Road 123: Midland: Texas: 79706

Main +1.432.301.0209 kscott@envirocleanps.com

From: <u>Scott Springer</u>

To: <u>Bratcher, Mike, EMNRD; Kayla Scott</u>

Cc: stacie.singleton@dvn.com; Patterson, Heather, EMNRD

Subject:RE: Devon Laguna Salado Work PlanDate:Thursday, February 26, 2015 2:18:38 PM

Attachments: EnviroClean Technical Data Sheet 03-17-2010.pdf

EnviroClean SDS.pdf

Hi Mike.

Here is the technical data sheet and SDS for the EC product. Let me know if you need any more info. Thanks,

Scott Springer, PG Regional Manager, Permian Area 432-301-0209 office 432-301-0208 cell

From: Bratcher, Mike, EMNRD [mailto:mike.bratcher@state.nm.us]

Sent: Thursday, February 26, 2015 2:35 PM

To: Kayla Scott

Cc: Scott Springer; stacie.singleton@dvn.com; Patterson, Heather, EMNRD

Subject: RE: Devon Laguna Salado Work Plan

Ladies and Gentlemen,

OCD has no record of receipt of an initial report C-141 for this release. Please advise. Also, is there an MSDS sheet, or any other information available for the proposed EnviroClean amendment?

Thank you,

Mike Bratcher NMOCD District 2 811 S. First Street Artesia, NM 88210 O: 575-748-1283 X108

C: 575-626-0857 F: 575-748-9720

From: Kayla Scott [mailto:KScott@envirocleanps.com]

Sent: Thursday, February 26, 2015 1:11 PM

To: Bratcher, Mike, EMNRD

Cc: Scott Springer; stacie.singleton@dvn.com
Subject: Devon Laguna Salado Work Plan

Good Afternoon Mike,

I have attached the work plan for Devon Energy Laguna Salado.

Please let me know if you have any questions.

Thank You,

Kayla Scott

Project Assistant



Enviro Clean! 2405 E. County Road 123! Midland! Texas ! 79706

Main +1.432.301.0209 kscott@envirocleanps.com

EnviroClean Degassing/Hydrocarbon Removal/Remediation Chemistry

Contents Page SUMMARY **FLUID DESIGN** 1 FIELD MIXING PROCEDURES 2 Mixing Concentrates 2 **Quality Control Testing** MATERIAL REQUIREMENTS 2 **Equipment Cleaning & Parts Washing** 2 Soil Remediation 2 Emergency Response & Spill Cleanup Degassing & Cleaning of Tanks & Equipment 3 Tank Bed Remediation 4 Chemical Pipeline Pigging 4 VOC Vapor Mitigation & Odor Control Hard Surface Cleaning & Decontamination 4 Insitu Free Product Recovery Enhancement 4 Soil Flushing & Recovery 5 Surface Washing & Shoreline Cleanup 5 Fire Fighting for Class A & B Fires 5 Contaminated Soil Excavation

PHYSICAL PROPERTIES

Product Name		EnviroClean
Physical Form		Clear Liquid
Color	Colorle	ess unless dyed
Specific Gravity (Water	er = 1)	1.028 +/01
Solubility in Water		100%
Freezing/Melting Poir	nt	NE
Flash Point (°F)		>200 ⁰ F
рН		8.5 +/25
Reportable Quantity (RQ)	None

Complete information on health hazards, protective equipment, handling precautions, environmental hazards and disposal is listed in the current EnviroClean Material Safety Data Sheet (MSDS) for this product.

SUMMARY

EnviroClean is a non-flammable, non-toxic, water-based, proprietary blend of non-ionic ethoxylated octylphenolic surfactants that has been specifically engineered as a cleanup/mitigation agent for a wide range of hydrocarbon products. EnviroClean has been shown to be effective for quickly and effectively suppressing or completely eliminating VOCs, LEL's, benzene and low levels of $\rm H_2S$ and mercaptans in open or confined spaces.

EnviroClean has been used for cleanup of hydrocarbon spills and soil remediation. In these applications, EnviroClean effectively conditions (physically) the hydrocarbon such that the microbes that naturally occur can more readily consume it. It turns hydrocarbons into a nutrient source for the microbes. When sufficiently mixed with hydrocarbon and water, the EnviroClean forms a homogeneous solution of hydrocarbon, EnviroClean and water, which is very stable.

EnviroClean is a concentrated product that readily biodegrades.

EnviroClean is commercially available in 5-gallon units, 55-gallon drums, 275 and 330-gallon totes and bulk from Oklahoma City, Oklahoma, Wappingers Falls, New York, and Houston, Texas.

FLUID DESIGN

EnviroClean is a proprietary blend of surfactants that needs to be diluted to be effective and it is very safe to workers and the environment. EnviroClean does not contain caustic, therefore does not have the common harmful side effects associated with caustic based products. The product is designed for use as a degassing agent and a cleaner/degreaser for remediation. The product does not contain any enzymes or biomass itself. It works by conditioning the hydrocarbon so that the naturally occurring microbes (bacteria) are able to readily consume it. Through the application of the appropriate dilution and mixing, the EnviroClean will capture the hydrocarbon and tie it up in a solution that is very stable. The formation of this solution results extremely small particles that will not It is important to note that if recoalesce EnviroClean reaches its saturation point the oversaturated hydrocarbon will breakout of solution very quickly. This will allow for easy removal or reclamation of any hydrocarbon that is not preconditioned for remediation.

Page 1 of 5

In addition to tying up the hydrocarbon in solution, the product is very effective when contacted with hydrocarbon vapors at suppressing volatile organic vapors, gases, and odors. Once combustible and flammable hydrocarbon vapors are tied up in the resultant solution, the solution will be very difficult to ignite. It also accelerates the biodegradation process of the hydrocarbon, thereby enhancing recycling or reclamation of water.

EnviroClean has been demonstrated to be effective on gas, oil, lube oil, hydraulic oil, most petroleum-based products, animal and vegetable oils, fats, and tallow oils. EnviroClean cleans the heavy tar build-up, asphaltenes or oily residue from inside of tanks and vessels. Furthermore, once a surface has been cleaned with EnviroClean, the cleaned surface will resist the deposition of oily materials.

EnviroClean can be used to cleanup oil spills whether in/on soil or hard surfaces. The first step in this process is to remove as much of the free oil as possible. This step is followed by contacting the contaminated surface appropriately with the proper dilution of EnviroClean and water. The treatment solution will contact the hydrocarbon molecules and change their behavior such that they are now essentially water soluble. The large increase in interfacial surface area creates conditions that are favorable to degradation and consumption by bacteria and microbes. The product converts hydrocarbons into a very good nutrient source for bacteria and microbes.

EnviroClean is typically fed at concentrations between 1% and 6%, depending on the nature of the hydrocarbon contamination problem. It can be diluted with most types of water – hard, soft or brackish water. The product has an unlimited shelf life when unopened. EnviroClean is effective at ambient temperatures. However, the effectiveness will increase as the temperature of the application is increased. EnviroClean does not require the use of steam, but has been shown to be very effective when injected into the steam (vapor) phase.

FIELD MIXING PROCEDURES

Mixing Concentrates

EnviroClean is usually delivered as a concentrate and <u>must</u> be diluted with water to work properly. Cleaning solutions can be formulated by premixing or eduction. It is not necessary to provide high shear agitation when preparing a batch of cleaning solution since EnviroClean is

100% soluble in water. It is recommended that when preparing the cleaning solution you first add the water into the mix container and then follow by the addition of EnviroClean. This will minimize foaming as the EnviroClean and water form a homogeneous solution.

For premixing, the following procedure may be used:

- Add the correct amount of water to the container.
- Depending on the desired strength, add the correct amount of EnviroClean to the container.
- If the final solution is not a consistent pink color, mild agitation may be required until a consistent pink color is achieved.

Quality Control Testing

There is no easy field testing procedure to monitor the concentration of active ingredients in the EnviroClean formulation. Visually the color changes from rose color to lighter pink as the product is further diluted. Effectiveness can also be predicted by quantifying the amount of hydrocarbon that is to be picked up. By observing the effluent from the use of EnviroClean, an adjustment in the cleaning solution concentration can be made. If it is observed that free oil is floating on the effluent solution, then the concentration should be increased.

MATERIAL REQUIREMENTS

For specific protocols and application rates, please refer to the available **Product Usage Guide**, product label, or consult with the manufacturer or authorized distributor for additional guidance.

Equipment Cleaning & Parts Washing

EnviroClean is very effective for equipment cleaning applications. EnviroClean is used at light dilutions and has a significant "life of batch" as well as low foaming tendencies. The surfactants in EnviroClean desorb and microemulsify grease and oil contamination and separate it from solids (metal shavings, grit, etc.) allowing them to settle without accumulating oily sludges. These factors make EnviroClean ideal for spray wash systems as well as dip/agitating equipment. Some agitation or circulation of the fluid is required for thorough cleaning. For

Page 2 of 5

equipment cleaning applications, EnviroClean is normally diluted to a 3% - 6% solution with water.

Soil Remediation

Calculate the volume of hydrocarbon contained in the contaminated area. It is important to determine accurately the depth of oil penetration into the soil. It will be important to agitate the soil to just below the depth of penetration. Once the estimate of hydrocarbon is known, the amount of the normal dilution of EnviroClean for soil remediation is 32 parts water to 1 part EnviroClean (3% solution). The EnviroClean solution will use the naturally occurring bacteria in the soil and begin to consume the hydrocarbon, which has been put into a form that can be quickly consumed. The remediation process normally occurs over 4 to 12 weeks.

The following step-by-step procedure can be used for soil remediation using EnviroClean:

- If contaminated soil is deeper than 12", excavate the soil and spread at the surface to a depth of 10" – 12" and then proceed with this protocol. If contaminated soil is 12" in depth or less, thoroughly mix and aerate the soil in place utilizing a roto-tiller or similar equipment. If soil is extremely oily or gummy, mix clean soil with oily soil to expedite clean up and to make it easier to work with.
- Utilizing local soil or rock, build a small berm surrounding the treatment area to prevent rain water run off from the site.
- 3. To determine treatment volumes of EnviroClean, measure the square footage area of the treatment cell and divide that number by 27 to find cubic yards per foot of depth (i.e. treatment area is 100' x 50': 100 x 50 ÷ 27 = 185). Multiply that number x .06 to determine the amount of EnviroClean to utilize in the treatment (i.e. 185 x .06 = 11 gallons EnviroClean). Dilute the EnviroClean to approximately a 3% solution (32 to 1 or 352 gallons water to 11 gallons EnviroClean). Spray the 3% EnviroClean solution over the entire treatment cell.
- 4. If, after a week, little to no rainfall has fallen, water the site thoroughly.
- Wait another week and repeat steps 1 and 3, if needed.
- Monitor and continue the treatment protocol until desired clean up levels are reached.

Samples can be taken and analyzed for Total Petroleum Hydrocarbons (TPH) to track the progress of the remediation. If the TPH were to appear to stabilize and not continue to decline, a second application of EnviroClean may be required.

Note: It can be helpful, but not required, to add a highly soluble, high nitrogen fertilizer such as Miracle Grow or Sam's Choice to the first 3% EnviroClean solution.

The addition of bacteria is not typically required. The EnviroClean solution will stimulate the activity level of the naturally occurring bacteria.

In the fall and winter, it helps to expedite the job if the treatment cell is covered with plastic between treatments. This tends to hold in heat and generate additional moisture.

Keeping the soil moist is an integral part of the clean up.

Emergency Response & Spill Cleanup

Small Spill Cleanup: Dilute EnviroClean to a 10% solution. On small spills apply with 2 ½ gallon pressure sprayer or similar device. Cover the entire spill working in a circular motion from outside perimeter toward the center of the spill. After application of EnviroClean has been completed, agitate spill area with forcible stream of water or broom and rinse thoroughly. EnviroClean helps to reduce or eliminate any VOC concerns associated with the cleanup by micro-emulsifying the hydrocarbon on contact drastically reducing the LEL levels in a very short time frame. EnviroClean also eliminates sheens.

On Roadways & Pavement: EnviroClean can be applied with a pressure sprayer or applied through a foam eductor at a 6% setting. EnviroClean will instantly stop the deterioration of asphalt by diesel or gas and eliminate slippery conditions. Dispose in accordance with local rules and regulations.

Note: For use with absorbents, EnviroClean will increase effectiveness by allowing the contaminate to more easily penetrate into the absorbent.

Degassing & Cleaning of Tanks & Equipment

EnviroClean is effective for the degassing and cleaning of all types of petroleum storage tanks. For small tanks of less than 50,000 gallons,

Page 3 of 5

EnviroClean should be utilized through a power washer at dilutions between 2% and 6% depending on the type of product within the vessel and the degree of contamination. Typically for flammables, a 6% solution is utilized to completely agitate the tank residue and to scour the wall of the vessel prior to and during pump out. Lower dilutions may be utilized for products not representing a vapor hazard. EnviroClean is also effective for reducing H2S, Benzene and other VOC's.

Tank Bed Remediation

A common and effective means of mitigating the vapor hazard and remediating the tank bedding is to utilize a "flushing and recovery" technique with a diluted solution of EnviroClean. Typically a 3% to 6% solution of EnviroClean and water is utilized in a batch process to treat the impacted portions of the tank floor area. Simply perforating the affected area with a "buster" or hole saw and allowing the EnviroClean solution to flood the affected bedding will eliminate immediate, and future, recurrences of vapor generation. The process also serves to remediate contamination by flushing entrained hydrocarbon out of the bedding for recovery and disposal, or re-processing. If necessary, the entire sub-floor area may be treated by saturating the zone of contamination and flushing the fluid to the sump, or other collection point, and recovering the rinsate for disposal. Depending upon the severity of the leak, and the resultant degree of subfloor contamination, the EnviroClean solution can be applied so as to simply saturate the bedding material, or it can be injected so as to flush and recover gross quantities of hydrocarbon.

Chemical Pipeline Pigging

As a general guideline, pump a slug of 3% to 6% solution and chase with water.

VOC Vapor Mitigation & Odor Control

EnviroClean is typically applied at a concentration of 3 – 6% for vapor and/or odor control. Circulate the solution through a manway cannon or other device in order to provide sufficient saturation of the vapor space of the vessel that is being degassed. Check the vapor level of the tank before circulation begins. Circulate for about 2 hours and let the tank settle for about 2 hours. Check the vapor level in the tank. More than one circulation may be required for complete vapor suppression. The holding capacity of EnviroClean may require sweetening

or circulation with a fresh batch of product, depending on the amount of hydrocarbon vapors originally contained in the vessel.

Dilute EnviroClean to a 3% to 6% solution. Coverage is normally at 3 to 4 square yards of surface area per gallon. Heavy contamination or mercaptan type odors may require a stronger solution of EnviroClean.

Typically, 1 gallon of EnviroClean concentrate diluted to a 3% to 6% solution will render up to 6 gallons of petroleum product nonflammable when properly applied.

Hard Surface Cleaning & Decontamination

For heavy soiled oil and grease on hard surfaces: Mix a 6% solution of concentrate with clean water in quantity sufficient to cover contaminated area. Apply generous amounts with spray applicator, or equivalent and allow reasonable time for the surfactants in EnviroClean to penetrate and break down the hydrocarbon and grime. Once applied, solution may be scrubbed or brushed in for stubborn soiling. Next, apply EnviroClean at a 1% - 2% solution through a power washer (heated power wash system will expedite the process). Flush residue to containment and dispose of as local rules apply.

For lightly soiled or freshly oiled surfaces:

EnviroClean may be used through any power washer or steam jenny currently available. Operating temperatures of 140 degrees F. will maximize effectiveness. Solution strengths of 1 – 2% may be used for lighter decontamination duties. For small applications, a 5% solution (16 oz. EnviroClean concentrate to 2.5 gallons water) may be applied with a small pump sprayer and scrubbed or brushed into surface.

Insitu Free Product Recovery Enhancement

EnviroClean is effective for the insitu solubilization and recovery enhancement of entrained Free Product Hydrocarbon in the subsurface to facilitate recovery or biodegradation. Dilutions of 2% v/v are typical for light ends (i.e. gasoline) while concentrations of 3% to 6% are effective for Diesel Range Organic (DRO's) and heavier oils. Applications vary, however the EnviroClean solution is injected into the contaminated zone followed typically by a recovery event.

Page 4 of 5

Soil Flushing and Recovery

EnviroClean is effective for the insitu solubilization and recovery enhancement of entrained Free Product Hydrocarbon in surface and sub-surface soil to facilitate recovery or biodegradation. Dilutions of 2% v/v are typical for light ends (i.e. gasoline) while concentrations of 3% to 6% are effective for Diesel Range Organic (DRO's) and heavier oils. Applications vary, however the EnviroClean solution is injected into or flushed through the contaminated zone.

Surface Washing & Shoreline Cleanup

Dilute EnviroClean to a 2% solution. On small spills apply with 2.5 gallon pressure sprayer or similar device. Cover entire spill, working in a circular motion, from outside perimeter toward the center of the spill. After application of EnviroClean has been completed, agitate spill area with forcible stream of water or broom and rinse thoroughly.

On larger spills, specific applications and protocols should be developed taking into account local risks and considerations.

Note: EnviroClean is listed on the U.S. E.P.A. NCP Product Schedule as a Surface Washing Agent (listed SW #31). This listing does *not* mean that U.S. E.P.A. approves, licenses, certifies, or authorizes the use of EnviroClean on an oil discharge. This listing means only that data have been submitted to EPA as required by subpart J of the National Contingency Plan § 300.915.

Fire Fighting for Class A & B Fires

Proportioning Rate: 6%

GPM Flow Rate: 95 – 110

PSI at Eductor: 200 or MFG's

recommendations

Hose Length: As per MFG's suggestion Nozzle Type: Standard adjustable or

automatic

Coverage: 0.2 gpm per square foot Nozzle Pattern: Hard cone to coarse

stream

Page 5 of 5

Application: Starting from the outside

perimeter, using a stirring,

mixing action.

Contaminated Soil Excavation

In most cases a 3% solution of EnviroClean will be adequate to keep vapor emissions within acceptable limits. Dilute EnviroClean concentrate with water at a ratio of 1 part EnviroClean to 32 parts water to make a 3% solution. The EnviroClean solution should be applied evenly to the soil surface in sufficient quantity to dampen the surface well. As a general rule, 1 gallon of solution will cover approximately 4 sq. yd. of soil surface area.

EnviroClean 1 of 6

SAFETY DATA SHEET

SECTION 1 MATERIAL IDENTIFICATION

PRODUCT NAME / DESCRIPTION: EnviroClean

DISTRIBUTED / MANUFACTURED BY:

ENVIRO CLEAN SERVICES, L.L.C. DATE: 09/24/2013 PO BOX 721090 PHONE: (405) 373-4545

OKLAHOMA CITY, OK 73172 EMERGENCY PHONE: (800) 255-3924

FUNCTION: Industrial Cleaner

SECTION 2

HAZARD IDENTIFICATION

CLASSIFICATION:

Acute Toxicity- Oral	Category 4
Skin Corrosion/Irritation	Category 3
Eye Damage/Irritation	Category 2B
Target Organ Specific Toxicity: Single	Category 3
Target Organ Specific Toxicity: Chronic	Category 2

SIGNAL WORD:

WARNING!

HAZARD STATEMENTS:

Harmful if swallowed

Causes mild skin irritation

Causes eye irritation

May cause respiratory irritation

May cause damage to organs through prolonged or repeated exposure





PRECAUTIONARY STATEMENTS:

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well ventilated area

Wash all exposed skin thoroughly after handling

Avoid release to the environment

Store in a well ventilated place

EnviroClean 2 of 6

TOXICITY INFO:

See Section 11.

SECTION 3 HEALTH HAZARDS

CHEMICAL NAME %W/W CAS NUMBER

(Proprietary Formula)

Proprietary Blend of Ethoxylated Octylphenolic Surfactants

Non-ionic water based liquid blend, concentrate

This product does not contain any hazardous ingredients as defined by CERCLA and California's Prop. 65.

SECTION 4 FIRST AID

Potential acute health effects:

Eyes: May cause irritation with redness and pain. **Skin:** May cause irritation with redness and pain.

Inhalation: Inhalation may cause irritation.

Ingestion: Ingestion may cause severe irritation, corrosion/ulceration, nausea, and vomiting.

Medical Conditions Aggravated by Exposure:

None known.

Eye Contact: In case of contact, immediately flush eyes with cool running water. Lift and

separate eyelids while flushing with plenty of water for at least 15 minutes. Get

medical attention.

Skin Contact: Wash with soap and water. Get medical attention if irritation occurs. Wash

clothing before reuse. Destroy contaminated shoes.

Inhalation: Remove victim to fresh air and keep at rest in a position confortable for breathing.

If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Seek medical attention if symptoms develop.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never

give anything by mouth to an unconscious person. If large quantities of this

material are swallowed, call a physician immediately. Give plenty of water.

SECTION 5 FIRE FIGHTING MEASURES

Fire Hazard Classification (OSHA/NFPA): 0

Extinguishing Media: As required for fire being fought.

Special Fire Fighting Procedures: Use self-contained breathing apparatus.

Hazardous combustion products: No known.

EnviroClean 3 of 6

SECTION 6

ACCIDENTAL RELEASE MEASURES

Personal Precautions, PPE, and Emergency Procedures:

Wear protective clothing as described in Section 8 of this safety data sheet.

Containment Procedures: Stop the flow of material, if this is without risk. Wear appropriate protective

equipment and clothing during clean-up. Do not allow the spilled product to enter

public drainage system or open water courses.

Clean-Up Procedures: Sweep up or gather material and place in appropriate container for disposal.

Wash spill area thoroughly. Wear appropriate protective equipment during

cleanup. Dispose of collected material according to regulations.

SECTION 7 HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Do not take internally. For industrial

use only. Wash after handling. Don't breathe dust, vapor, or gas. Keep this and

all chemicals out of reach of children.

Storage: Keep away from heat, sparks, and open flames. Prevent spills. Keep container

tightly closed and in a cool, well-ventilated place away from incompatible materials. Empty product containers may contain product residue, do not reuse.

SECTION 8 PERSONAL PROTECTION / EXPOSURE CONTROLS

Ventilation System: Always keep exposure below permissible exposure limits. In general, dilution

ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should

be considered.

Airborne Exposure Limits: None Established.

Personal Protection: As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR

1920.132), employers must perform a Hazard Assessment of all workplaces to determine the need for, and selection of, proper protective equipment for each

task performed.

Eyes: Wear face shield, safety glasses, or chemical goggles.

Hands & Skin: For prolonged or repeated handling, use impervious gloves. Gloves should be

tested to determine suitability for prolonged contact. Use of impervious apron

and boots are recommended.

Respiratory: If ventilation is not sufficient appropriate NIOSH/MSHA respiratory protection

must be provided.

Work Practices: Eye wash fountain and emergency showers are recommended.

SECTION 9 TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Liquid Color: Red

Odor: Wintergreen

Odor Threshold: NE

EnviroClean 4 of 6

pH: 8.5+/-0.5
Boiling Point: NE
Melting Point: N/A

Flash Point: >200 deg F

Evaporation Rate (Butylacetate = 1) NE

Flammability: Non-Flammable

UEL: NE
LEL: NE
Vapor Pressure: NE
Vapor Density: NE

Specific Gravity (Water = 1): 1.03 +/- .05 **Solubility Water:** Complete

Partition Coefficient:NEAuto-ignition Temperature:NEDecomposition Temperature:NEViscosity (CPS):NE

SECTION 10 STABILITY AND REACTIVITY

Stability: This product is stable under normal temperatures and pressures.

Incompatibility:Strong Oxidizers and strong acids.Decomposition Products:No Known hazardous products.

Conditions to Avoid: Sparks/flames/high heat.

SECTION 11 TOXICOLOGICAL PROPERTIES

Raw Material	Test	Result	Route	Species
Citric Acid (77-92-9)	LD50	>5000 mg/kg	Oral	Mouse

See Section 4 for symptoms.

CARCINOGENICITY:

No known carcinogens, mutagens, or reproductively toxic ingredients

SECTION 12 ECOLOGICAL INFORMATION

Raw Material	Test	Result	Time	Species
Citric Acid (77-92-9)	LC50	440 mg/L		Fish

PERSISTENCE & DEGRADABILITY:

NE

BIOACCUMULATION:

NE

EnviroClean 5 of 6

MOBILITY

NE

SECTION 13

DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use, or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose container and unused contents in accordance with federal, state, and local requirements.

SECTION 14 TRANSPORT INFORMATION

Not Regulated

SECTION 15

REGULATORY INFORMATION

US FEDERAL REGULATIONS

SARA (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

SARA 302 EXTREMELY HAZARDOUS SUBSTANCES LIST: NA

SARA 312 HAZARD CATEGORY: NA

SARA 313 TOXIC CHEMICALS LIST: NA

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE. COMPENSATION AND LIABILITY ACT): NA

RCRA (RESOURCE CONSERVATION AND RECOVERY ACT) LISTED HAZARDOUS WASTES: NA

CWA (CLEAN WATER ACT) LISTED SUBSTANCES: NA

FDA (FOOD AND DRUG ADMINISTRATION): NA

TOXIC SUBSTANCES CONTROL ACT (TSCA): NA

NFPA HAZARD INFORMATION SIGN

[0] HEALTH HAZARD (BLUE DIAMOND)

- 4 DEADLY
- 3 EXTREME DANGER
- 2 HAZARDOUS
- 1 SLIGHTLY HAZARDOUS

[0] REACTIVITY HAZARD (YELLOW DIAMOND)

- 4 MAY DETONATE
- 3 SHOCK AND HEAT MAY DETONATE
- 2 VIOLENT CHEMICAL CHANGE
- 1 UNSTABLE IF HEATED

EnviroClean 6 of 6

0 – NORMAL MATERIAL

0 – STABLE

[0] FIRE HAZARD (RED DIAMOND)

FLASH POINTS:

- 4 BELOW 73 F
- 3 BELOW 100 F
- 2 BELOW 200 F
- 1 ABOVE 200 F
- 0 WILL NOT BURN

[] SPECIFIC HAZARD (WHITE DIAMOND)

OXY OXIDIZER ACID ACID ALK ALKALI

COR CORROSIVE

W USE NO WATER

SECTION 16

OTHER INFORMATION

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.

From: <u>Harris, Jacqui</u>

To: <u>Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD</u>

Cc: Singleton, Stacie

Subject: Laguna Salado South 1 Initial C-141

Date: Thursday, February 26, 2015 3:07:18 PM

Attachments: Laguna Salado South 1 Spill 8BBLS 1.22.15 Initial C-141.pdf

Laguna Salado South 1 Spill 8BBLS 1.22.15 GIS Image.pdf

Mr. Bratcher,

Please find the attached C-141, GIS image, & pictures of the spill for the Laguna Salado South 1. This C-141 was sent inadvertently to the <u>BLM **only**</u> on 1-26-15. We deeply apologize for this oversight and will make sure that it does not happen again.

Thank you,

Jacqui Harris

Field Admin Support A-Schedule Devon Energy Corporation PO Box 250 Artesia, New Mexico 88211 575-748-0191



Confidentiality Warning: This message and any attachments are intended only for the use of the intended recipient(s), are confidential, and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation or other use of all or any portion of this message and any attachments is strictly prohibited. If you are not the intended recipient, please notify the sender immediately by return e-mail, and delete this message and any attachments from your system.



From: Bratcher, Mike, EMNRD

To: "Kayla Scott"

Cc: Scott Springer; stacie.singleton@dvn.com; Patterson, Heather, EMNRD

Subject: RE: Devon Laguna Salado Work Plan

Date: Wednesday, March 04, 2015 7:59:00 AM

RE: Devon Energy * Laguna Salado South 1 * 30-015-26407 * F-22-23s-29e * Eddy County, NM NMOCD tracking number: **2RP-2845** Date of release: 1/22/15

Greetings,

Your proposal for remediation of the above referenced release is approved. Please advise once work has been scheduled. Federal sites will require like approval from BLM.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me.

Mike Bratcher NMOCD District 2 811 S. First Street Artesia, NM 88210 O: 575-748-1283 X108

C: 575-626-0857 F: 575-748-9720

From: Kayla Scott [mailto:KScott@envirocleanps.com]

Sent: Thursday, February 26, 2015 1:11 PM

To: Bratcher, Mike, EMNRD

Cc: Scott Springer; stacie.singleton@dvn.com **Subject:** Devon Laguna Salado Work Plan

Good Afternoon Mike,

I have attached the work plan for Devon Energy Laguna Salado.

Please let me know if you have any questions.

Thank You,

Kayla Scott

Project Assistant



Enviro Clean; 2405 E. County Road 123; Midland; Texas; 79706

Main +1.432.301.0209 kscott@envirocleanps.com

From: Weaver, Crystal, EMNRD

To: "Tara Hodges"; Bratcher, Mike, EMNRD; Groves, Amber; Mike Shoemaker; Brett Fulks

Cc: ballen@sesi-nm.com; books2@sesi-nm.com

Subject: RE: Devon Laguna Salado Work Plan

Date: Wednesday, June 14, 2017 2:58:00 PM

Attachments: Initial C-141 for 2RP-2845.pdf

Initial C-141 for 2RP-2845.pdf
Last document for 2RP-2845.pdf

Hello all.

So I have finally gotten around to looking over the work plan. Sorry we have been swamped over here as usual.

I spoke with Bob Allen on the phone 6/14/17 and we talked about the things that OCD is needing to see moving forward on this project.

Here is what we discussed:

- OCD needs AH-1 location vertically delineated to where we have clean chloride numbers at or below 250mg/kg which will thus also give direction on the depth at which excavation needs to occur in this area of the spill. Ground water analysis showed potential water depth in the area to be at an average around 31 ft. with a site showing water as low as at 10' bgs.
- The site map shows sample points 2, 3, 4, and 5 and I think it is supposed to say AH-1 through AH-4 instead. So Bob and I agreed that would get fixed. Along with a small typo that was made in the data table where it should say AH-1 @5' it says AH-5 @5'.
- Based on all sample points at surface depth across the area of the spill coming back with high chloride numbers, OCD requests that the surface be scraped across the spill area to a depth of 1' bgs.
- Per OCD's Conditions of Approval (COAs) we require that EPA Method 300.0 be utilized for all lab tested samples of chlorides.

Also one other item that I did not discuss with Bob on the phone but that I do need to mention is there is an older release that had occurred at the Laguna Salado South #1 back on 1/22/15 and was given OCD tracking number 2RP-2845. I have attached copies of the initial C-141 and the last correspondence OCD has on file for 2RP-2845 which is OCD giving approval of a remediation proposal from EnviroClean back on 3/4/15. Please follow up with us on that release.

Please let us know when the above requested items are completed and upon OCD review of the results an approval will be reconsidered.

Thank you and as always if you have any questions or concerns please contact myself or Mike Bratcher here at the OCD District II Office.

Thanks again,

Crystal Weaver

Environmental Specialist OCD – Artesia District II 811 S. 1st Street

Artesia, NM 88210

Office: 575-748-1283 ext. 101

Cell: 575-840-5963 Fax: 575-748-9720

From: Tara Hodges [mailto:office2@sesi-nm.com]

Sent: Friday, May 26, 2017 7:30 AM

To: Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Groves, Amber agroves@slo.state.nm.us; Mike Shoemaker <mike.shoemaker@dvn.com>; Brett Fulks <Brett.fulks@dvn.com>

Cc: ballen@sesi-nm.com; books2@sesi-nm.com

Subject: Devon Laguna Salado Work Plan

Hello,

I have attached, per Bob Allen SESI, the proposed Work Plan for the Devon Laguna Salado. We will send the corrected C-141, stating the correct Land and Mineral Owner, once it is received.

Thank You

Tara Hodges

Safety & Environmental Solutions, Inc. 703 East Clinton Street Hobbs, NM 88240 Office: (575) 397-0510





Received by OCD: 9/6/2024 10:26:2 Page 48 of 51



Received by OCD: 9/6/2024 10:26:2Page 49 of 51





District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410

Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 381258

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	381258
	Action Type:
	[IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Historical Document upload.	9/6/2024