District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources JUL 3 0 2018

Form C-141 Revised April 3, 2017

**Release Notification and Corrective Action** 

Oil Conservation Division
Submit I Copy to appropriate District Office in
1220 South St. Francis Dr.

Submit I Copy to appropriate District Office in
1220 South St. Francis Dr.

DISTRICT II-ARTESIA O.C.D. Santa Fe, NM 87505

	82/83					OPERA?			✓ Initia	al Report		Final Report		
				roduction, LLC			<del></del>		· · · · · · · · · · · · · · · · · · ·					
		Vista Dr. Car	risbad, N	M 88220			No. 970 589 074	3				· · · · · · · · · · · · · · · · · · ·		
Facility Na	ne LVPS	WD#I			1	facility Typ	e Well Pad							
Surface Ow	ner: Priva	te		Mineral C	)wner: S	State			API No	. 30-015-42	2234			
LOCATION OF RELEASE														
Unit Letter	Section	Township	Range	Feet from the	North/	South Line   Feet from the		East/\	West Line	County				
I	4	23S	28E	2100	FSL		385	FEL		Eddy				
Latitude_32.33331684 Longitude104.08520874 NAD83														
NATURE OF RELEASE														
			and 15%	Hydrochloric Aci	d	Volume of Release Unknown Volume Recovered 0								
Source of Re	lease Tank	Battery				Date and F 7/18/18	lour of Occurrence	e	Date and 7/18/18	Hour of Disc	covery			
Was Immedi	ate Notice (		Yes [	No Not Re	equired	If YES, To Whom? Ken McQueen EMNRD Cabinet Secretary								
By Whom? J	eff Wilson				•	Date and Hour 7/18/18								
Was a Water		ched?				If YES, Volume Impacting the Watercourse.								
			Yes 🗵	No		N/A								
Describe Cause of Problem and Remedial Action Taken.*  The spill was caused by the fire. The cause of the fire is currently under investigation.														
The affected were sent to north side of collected wh	area was ma lab for an the pad wil	alysis. Excava  Il be excavated  vation activitie	Trimble to tion of the I when the es are com	delineate the hor impacted soil ald site is cleared of pleted. WPX will	ong the so debris. T submit a	outh side of the impacted a closure rep	spill. 22 samples value location will standard will be haule ort for OCD's app	tart as s d to dis proval p	oon as the l sposal. Conf rior to back	ine locates a irmation san filling.	re com	npleted. The will be		
regulations a public health should their or or the enviro	Il operators or the envi operations h nment. In a	are required to a renament. The nave failed to a	o report and acceptant adequately acceptant ac	nd/or file certain r ce of a C-141 report investigate and r	elease no ort by the emediate	otifications a NMOCD m contaminati	knowledge and u nd perform correct tarked as "Final Re- tion that pose a threat the operator of the	tive act eport" o	ions for rele loes not reli round water	eases which leve the oper r, surface wa	may er ator of ter, hu	ndanger f liability man health		
	$\nu^{-}$	1. 01	<del></del>			OIL CONSERVATION DIVISION								
Signature:	Kan	slina Bli	aney											
Printed Nam	e: Karolina	Blaney				Approved by Environingerad Breckhist Ly Branches								
Title: Enviro	nmental Sp	ecialist			Approval Da	1e: 8/0/18		Expiration	Date: //	1A				
E-mail Address: Karolina.blaney@wpxenergy.com							f Approval:		. /	Attached	ᄉ			
Date: 7-30-1		Phone: 970 58				5el attached 3RP-4891								
Attach Addi	tional She	ets It Necess	агу						-					

Operator/Responsible Party,

The OCD	has	received	the fo	orm C-:	141 y	ou pr	rovide	d on	·	07/30/1	8			regarding	an	unauthorized
release.	The i	informatio	n cont	tained	on th	nat fo	orm h	as b	een	entered	into	our	incident	database	and	remediation ndence.
case nun	nber	JRP. 48	391	has be	een as	signe	ed. Ple	ease	refer	to this c	ase n	umb	er in all fu	iture corre	spoi	ndence.

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete <u>division-approved corrective action</u> for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District \_2\_\_ office in Artesia\_ on or before \_08/30/18\_\_\_\_\_\_. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

- •Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.
- If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.
- Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold

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