HM OIL CONSERVATION

ARTESIA DISTRICT

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

Attach Additional Sheets If Necessary

State of New Mexico
Energy Minerals and Natural Resources

MAR 1 9 2018

Form C-141 Revised April 3, 2017

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 REGIFIVED py to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action OPERATOR Contact Initial Report **Final Report** Contact: Amy Ruth Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220 Telephone No: 432-689-3380 Facility Name: Poker Lake Unit CVX JV BS #010H Facility Type: Exploration and Production Surface Owner: Federal Mineral Owner: Federal API No: 30-015-39846 LOCATION OF RELEASE Township Range North/South Line Unit Letter Section Feet from the Feet from the East/West Line County 25 248 30E 1445 South 1830 Eddy East Latitude 32.185566° Longitude -103.831580° **NATURE OF RELEASE** Type of Release Produced water and crude oil Volume of Release 67 bbls Volume Recovered 65 bbls Source of Release flow line Date and Hour of Occurrence Date and Hour of Discovery 3/4/2018 time unknown 3/4/2018 10 am Was Immediate Notice Given? If YES, To Whom? Mike Bratcher/Crystal Weaver (NMOCD), Shelly Tucker/Jim Amos (BLM) Date and Hour: 3/5/2018 10:50 am 0:51 By Whom? Amy Ruth Was a Watercourse Reached? If YES, Volume Impacting the Watercourse ☐ Yes ☒ No N/A If a Watercourse was Impacted, Describe Fully.* N/A Describe Cause of Problem and Remedial Action Taken.* Buried steel flow line developed a leak due to corrosion. A hole was excavated to expose the leak and recover escaping fluids while efforts were being made to clamp the line. The line was repaired. Describe Area Affected and Cleanup Action Taken.* The release affected 550 square feet of lease road and approximately 175 square feet of pasture. A vacuum truck was dispatched immediately upon discovery and was able to recover fluids directly from excavated hole around leak minimizing surface area impacts. Recovered fluids and impacted soils removed from line repair were sent to disposal. An environmental contractor was retained to assist with the remediation effort and initial sampling has begun. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/of regulations. OIL CONSERVATION DIVISION Signature: Signed By Approved by Environmental Specialist: Printed Name: Amy R Environmental Coordinator Approval Date: (Expiration Date: A Conditions of Approval: E-mail Address: Amy Ruth@xtoenergy.com Attached FRD-4 Wolfle Sep attached Phone: 432-689-3380 Date: 3/19/18

Operator/Responsible Party,

The OCD has received the form C-141 you provided on <u>3/19/2018</u> regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number <u>3/19/4/14/14</u> has been assigned. Please refer to this case number in all future correspondence.

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 4/19/2018. 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; C₆ thru C₃₆), 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; C₆ thru C₃₆), 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
OCD Environmental Bureau Chief
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3465
jim.griswold@state.nm.us

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State of New Mexico Energy Minerals and Natural Resources

MAR 19 2018

Form C-141 Revised April 3, 2017

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 **RECEIVED** to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action													
NABIS	30705	50488			OPERA	ГOR			Report		Final Report		
Name of Co		Contact:	Robert M										
	600 West	Telephone No. 432-683-7443											
Facility Name: Man State 2H Battery Facility Type: Battery													
Surface Owner: State Mineral Owner:						State API No. 30-015-42937							
LOCATION OF RELEASE													
Unit Letter	Section	Township	Range			h/South Line Feet from the East/West Line County							
L	L 32 18S 28E 2,310						South 190			West Eddy			
Latitude 32.702988874 Longitude -104.20547669 NAD83													
NATURE OF RELEASE													
Type of Release:							Volume of Release:			Volume Recovered: 10 bbl Oil & 4 bbl. PW			
Oil and Produced Water Source of Release:						12 bbl. Oil & 6 bbl. PW Date and Hour of Occurrence:			Date and Hour of Discovery:				
Sight Glass Broke and Gauge Cock Valve Malfunctioned						March 17, 2018 6:30am			March 17, 2018 6:30am				
Was Immedia	ate Notice (Vac 🄯	No 🛛 Not Requir	If YES, To	Whom?							
		ea											
By Whom? Was a Watercourse Reached?							Date and Hour: If YES, Volume Impacting the Watercourse.						
Was a watercourse reaction? ☐ Yes ☑ No						A 225, Colonia Amparating the Materiotense.							
If a Watercourse was Impacted, Describe Fully.*													
Describe Cause of Problem and Remedial Action Taken.*													
				and the gauge cock val	ve n	nalfunctionin	g. Replaced the	sight gl	ass and gauge	cock.			
Describe Are	a Affected	and Cleanup A	ction Tak	cen.*									
The release occurred in the lined facility with overspray into the pasture. A vacuum truck was dispatched to remove all freestanding fluids. Concho will have the spill area sampled to delineate any possible impact from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation activities.													
I hereby certi	fy that the i	nformation giv	ven above	is true and complete t									
				nd/or file certain releas									
				e of a C-141 report by investigate and remed									
or the enviror	nment. In a	ddition, NMO	CD accep	tance of a C-141 repor									
federal, state,	or local lav	ws and/or regu	lations.							D. II. II. G. I.			
							OIL CON	<u> ISER</u>	<u>VATION I</u>	DIVISIO	<u>)N</u>		
Signature:			ا الأيب										
Printed Name	٠.	4	Approved by Environmental Specialist Describe										
Timed Name	··	DeAnn Gran	ıı		+		21001	<i>D</i>		. 1			
Title:	 	HSE Admin	istrative A	Assistant	1	Approval Da	te: 7 (20)	0	Expiration D	Pate: /	<u>/+</u>		
E-mail Addre	ess:	agrant@con	cho.com		١,	Conditions of	f Approval:		1		. —		
Date: March				Phone: 432-253-4513				att	ached	Attached	2PP	4667	

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