

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
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company ARP Production Company, LLC	Contact Randy L. Madison
Address 309 Silver St., Raton, NM 87740	Telephone No. Office 575-445-6706 Cell 575-420-1120
Facility Name VPR D-20	Facility Type Gas Well
Surface Owner Vermejo Park Ranch	Mineral Owner APR Production Company, LLC
API No. 30-007-20108	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	32	31N	18E	742'	South	1752	West	Colfax

Latitude N 36.872886 Longitude W 105.055666

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 10 Barrels	Volume Recovered 0
Source of Release 1" valve froze and busted on a vent line	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 12/9/14 @ 1113
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? Cory Smith	
By Whom? Randy Madison	Date and Hour 12/9/14 @1130	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

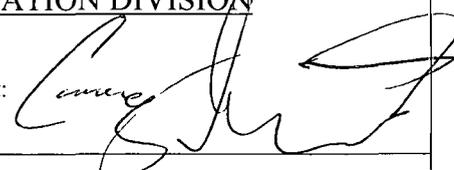
If a Watercourse was Impacted, Describe Fully.*

OIL CONS. DIV DIST. 3
DEC 16 2014

Describe Cause of Problem and Remedial Action Taken.*
A 1" valve on a vent froze and busted. This released the produced water. The valve was replaced.

Describe Area Affected and Cleanup Action Taken.*
The spill stayed on the pad and the lease road. None of the produced water was recovered. See attached water analysis for the D-20 well which is where all of the water came from.

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/or regulations.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Randy L. Madison	Approved by Environmental Specialist: 	
Title: EHS Specialist	Approval Date: 1/2/15	Expiration Date:
E-mail Address: rmadison@atlasenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date 12/9/14	Phone: 575-445-6706	

* Attach Additional Sheets If Necessary

#NCS 15012 42807

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Water Analysis Report by Baker Petrolite

Company:	EL PASO E & P	Sales RDT:	44625
Region:	ROCKY MOUNTAINS	Account Manager:	TY CLINESMITH (575) 447-0621
Area:	RATON, NM	Sample #:	50952
Lease/Platform:	VERMEJO PARK RANCH 'D'	Analysis ID #:	119142
Entity (or well #):	20	Analysis Cost:	\$90.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

Summary		Analysis of Sample 50952 @ 75 F					
Sampling Date:	03/30/12	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	04/14/12	Chloride:	354.0	9.99	Sodium:	538.9	23.44
Analyst:	STACEY SMITH	Bicarbonate:	799.0	13.09	Magnesium:	0.8	0.07
TDS (mg/l or g/m3):	1728.4	Carbonate:	23.0	0.77	Calcium:	6.5	0.32
Density (g/cm3, tonne/m3):	1.002	Sulfate:	3.0	0.06	Strontium:	0.3	0.01
Anion/Cation Ratio:	0.9999996	Phosphate:			Barium:	0.7	0.01
Carbon Dioxide:		Borate:			Iron:	0.2	0.01
Oxygen:		Silicate:			Potassium:	2.0	0.05
Comments:		Hydrogen Sulfide:			Aluminum:		
		pH at time of sampling:			Chromium:		
		pH at time of analysis:		8.38	Copper:		
		pH used in Calculation:		8.38	Lead:		
					Manganese:	0.025	0.
					Nickel:		

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite CaCO ₃		Gypsum CaSO ₄ ·2H ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄		CO ₂ Press
		Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	
80	0	0.46	3.15	-4.29	0.00	-4.36	0.00	-3.87	0.00	-0.41	0.00	0.05
100	0	0.51	3.50	-4.29	0.00	-4.30	0.00	-3.84	0.00	-0.54	0.00	0.08
120	0	0.57	3.85	-4.29	0.00	-4.21	0.00	-3.81	0.00	-0.65	0.00	0.12
140	0	0.63	4.20	-4.27	0.00	-4.11	0.00	-3.76	0.00	-0.73	0.00	0.17

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.
 Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.
 Note 3: The reported CO2 pressure is actually the calculated CO2 fugacity. It is usually nearly the same as the CO2 partial pressure.