From:Madison, Randy L.To:Lowe, Leonard, EMNRDSubject:RE: 4RP - 7, ARP_VPR E-28 LeakDate:Monday, January 11, 2016 3:15:16 PM

Thank you very much

Randy

From: Lowe, Leonard, EMNRD [mailto:Leonard.Lowe@state.nm.us] Sent: Monday, January 11, 2016 3:14 PM To: Madison, Randy L. Subject: RE: 4RP - 7, ARP_VPR E-28 Leak

Mr. Randy Madison,

Thank you for clarifying. 4RP-7 is now closed.

Leonard Lowe

Engineering Bureau Oil Conservation Division Energy Minerals and Natural Resources Department 1220 South St. Frances Santa Fe, New Mexico 87004 Office: 505-476-3492 Fax: 505-476-3462 E-mail: leonard.lowe@state.nm.us Website: http://www.emnrd.state.nm.us/ocd/

From: Madison, Randy L. [mailto:rmadison@atlasenergy.com]
Sent: Monday, January 11, 2016 2:50 PM
To: Lowe, Leonard, EMNRD <Leonard.Lowe@state.nm.us>
Subject: RE: 4RP - 7, ARP_VPR E-28 Leak

There was no soil removed the land owner would never allow that unless it was soaked with oil which we have none of. The pipeline was excavated (our pipeline is all underground) and a 1" valve was leaking water out the weep hole.

The leak was about 300 yards from the E-28 well head. There is nothing to track at this time. If you have any other questions I am in the office at 575-445-6707 feel free to call. Thank you

Randy

From: Lowe, Leonard, EMNRD [mailto:Leonard.Lowe@state.nm.us] Sent: Monday, January 11, 2016 2:43 PM To: Madison, Randy L. Subject: 4RP - 7, ARP_VPR E-28 Leak

Mr. Randy Madison,

Where was the 300 yards of soil removed to?

OCD has identified this spill with a 4RP-7 tracking number.

Leonard Lowe

Engineering Bureau Oil Conservation Division Energy Minerals and Natural Resources Department 1220 South St. Frances Santa Fe, New Mexico 87004 Office: 505-476-3492 Fax: 505-476-3462 E-mail: leonard.lowe@state.nm.us Website: http://www.emnrd.state.nm.us/ocd/

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 8821 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

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

Form C-141

Revised August 8, 2011

Release Notification and Corrective Action

	OPERATOR	\triangleleft	Initial Report	X	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 575-420-11	20	
Facility Name VPR E-28	Facility Type Pipe Line				
	-				

Mineral Owner APR Production Company, LLC API No. 30-007-20313 Surface Owner Vermejo Park Ranch

LOCATION OF RELEASE

Unit Letter I	Section 7	Township 31N	Range 19E	Feet from the	North/South Line	Feet from the	East/West Line	County Colfax

Latitude_N 36.93423_Longitude_W 104.95864___

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 100 Barrels	Volume Recovered: 0
Source of Release: Valve on a Pipe Line	Date and Hour of Occurrence	Date and Hour of Discovery
	Unknown	1/7/16@ 1045
Was Immediate Notice Given?	If YES, To Whom?	
🛛 Yes 🗌 No 🗌 Not Required	Leonard Lowe	
By Whom? Randy Madison	Date and Hour 1/7/16 @ 1600 hrs.	
Was a Watercourse Reached?	If YES, Volume Impacting the Wate	ercourse.
🗋 Yes 🖾 No		
If a Watercourse was Impacted, Describe Fully.*	•	
Describe Cause of Problem and Remedial Action Taken.*		
A small stream of water was discovered bubbling up out of the ground by	a vent about 300 yards from the E-28	well head. The area was excavated and a I
inch valve was leaking water out the weep hole. The valve was replaced	and the trench was back filled.	
Describe Area Affected and Cleanup Action Taken.*		
The area will be monitored for vegetation kill. See the attached water and	alysis of the E-28. This is the well clos	es to the release.
I hereby certify that the information given above is true and complete to t	he best of my knowledge and understa	nd that pursuant to NMOCD rules and
regulations all operators are required to report and/or file certain release n	otifications and perform corrective act	ions for releases which may endanger
public health or the environment. The acceptance of a C-141 report by th	e NMOCD marked as "Final Report" d	loes not relieve the operator of liability
should their operations have failed to adequately investigate and remediat	e contamination that pose a threat to g	round water, surface water, human health
or the environment. In addition, NMOCD acceptance of a C-141 report d	oes not relieve the operator of responsi	ibility for compliance with any other
federal, state, or local laws and/or regulations.		
	OIL CONSERV	ATION DIVISION
		n 1
Signature:	Approved by Environmental Specialis	
~	reproved by Environmental opecialis	Twent The
Printed Name: Randy L. Madison		
•	de la	*
Title: EHS Specialist	Approval Date: 0/////6	Expiration Date:
	<u> </u>	
E-mail Address: rmadison@atlasenergy.com	Conditions of Approval:	mail Analy
22 -	attached	Attached
Date: 1/8/16 Phone: 575-445-6706		

* Attach Additional Sheets If Necessary

Rocky Mountain Region 1675 Broadway, Suite 1500 Denver, CO 80202 (303) 573-2772 Lab Team Leader - Sheila Hernandez (432) 495-7240

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 #:	49006
Lease/Platform:	VERMEJO PARK RANCH 'E'	Analysis ID #:	113137
Entity (or well #):	28	Analysis Cost:	\$90.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

Summary	Analysis of Sample 49006 @ 75 F						
Sampling Date: 09/23/11	Anions	mg/l	meq/l	Cations	mg/l	meq/l	
Analysis Date: 10/07/11 Analysi: SANDRA GOMEZ TDS (mg/l or g/m3): 3438.7 Density (g/cm3, tonne/m3): 1.002 Anion/Cation Ratio: 1.0000004	Chloride:251.0Bicarbonate:2196.0Carbonate:0.0Sulfate:3.0Phosphate:Borate:Silicate:Silicate:	7.08 35.99 0. 0.06	Sodium: Magnesium: Calcium: Strontium: Barium: Iron: Potassium:	971.3 6.0 4.5 1.0 0.8 0.1 5.0	42.25 0.49 0.22 0.02 0.01 0. 0.13		
Carbon Dioxide: Oxygen: Comments:	Hydrogen Sulfide: pH at time of sampling: pH at time of analysis: pH used in Calculation	:	7.7 7.7	Aluminum: Chromium: Copper: Lead: Manganese: Nickel:	0.025	0.	

Cond	itions	Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite Gypsum CaCO ₃ CaSO ₄ ² 2H ₂ 0		psum Anhydrite Celes O ₄ [*] 2H ₂ 0 CaSO ₄ SrS		stite Barite SO ₄ BaSO ₄		rite aSO ₄	CO ₂ Press			
۴	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	-0.03	0.00	-4.59	0.00	-4.66	0.00	-3.49	0.00	-0.49	0.00	0.59
100	0	0.07	0.70	-4.61	0.00	-4.61	0.00	-3.47	0.00	-0.63	0.00	0.8
120	0	0.17	1.40	-4.62	0.00	-4.55	0.00	-3.44	0.00	-0.74	0.00	1.06
140	0	0.27	1.75	-4.63	0.00	-4.46	0.00	-3.40	0.00	-0.83	0.00	1.37

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.

Scale Predictions from Baker Petrolite

Analysis of Sample 49006 @ 75 F for EL PASO E & P, 10/07/11



From:	Madison, Randy L.
То:	Lowe, Leonard, EMNRD
Subject:	Emailing: State Report E-28 1-7-16
Date:	Friday, January 08, 2016 10:04:57 AM
Attachments:	State Report E-28 1-7-16.doc
	<u>VPR "E" 28 h2o.pdf</u>

Mr. Lowe,

Here is the C-141 and the water analysis for the E-28 main line release. Let me know if any additional information or action is required. Randy Madison Atlas Resource Raton Your message is ready to be sent with the following file or link attachments:

State Report E-28 1-7-16

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.