

Submit within 45 days of well completion	State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505	Revised November 6, 2013				
		1. WELL API NO: 30-007-20409				
		2. Well Name: VPR "A" #111				
		3. Well Number: 111				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:B Lot:G53 Section:22 Township:31N Range:19E Feet from:1060 N/S Line:N Feet from:1734 E/W Line:E				
		5. Bottom Hole Location: Unit:B Lot:G53 Section:22 Township:31N Range:19E Feet from:1060 N/S Line:N Feet from:1734 E/W Line:E				
		6. Istitude: longitude: 0 0				
		7. County: Colfax				
8. Operator Name and Address: ARP PRODUCTION COMPANY, LLC 1000 Commerce Drive, 4th Floor Pittsburgh 15275			9. OGRID: 300097		10. Phone Number: 412-489-0311	
11. Last Fracture Date: 4/17/2015 Frac Performed by: Basic Energy Services			12. Production Type: G			
13. Pool Code(s): 96970			14. Gross Fractured Interval: 727 ft to 883 ft			
15. True Vertical Depth (TVD): 2,439 ft			16. Total Volume of Fluid Pumped: 531,709 gals			
17. Total Volume of Re-Use Water Pumped: 0 gals			18. Percent of Re-Use Water in Fluid Pumped: %			
19. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:						
Trade Name	Supplier	Purpose	Ingredients	(CAS #) Chemical Abstract Service #	Maximum Ingredient Concentration in Additive (% by mass)	Maximum Ingredient Concentration in HF Fluid (% by mass)
Water	CUSTOMER	BASE FLUID	WATER	7732-18-5	100%	56.4557043%
FRAC SAND (ALL MESH)	PROPPANT SPECIALTIES	PROPPANT	CRYSTALLINE SILICA	14808-60-7	100%	30.133042%
SCALESORB 3	BAKER HUGHES	SCALE INHIBITOR	AMINO ALKYL PHOSPHORIC ACID	Proprietary	30%	0.031032%
			CRYSTALLINE SILICA	14808-60-7	70%	0.0724081%
GEL-100	Hercules	FRAC GEL	carboxymethyl 2-hydroxypropyl ether	68130-15-4	100%	0.1786693%
BREAKER-503L	EES	LIQUID ENZYME BREAKER	SURCOSE	57-50-1	50%	0.0005022%
			ETHYLENE GYCOL	107-21-1	50%	0.0005022%
GB-3	UNIVAR	AMMONIUM PERSULFATE/ OXIDATIVE BREAKER	Ammonium Persulfate	7727-54-0	100%	0.0016927%
S-3	EES	SURFACTANT	WATER	7732-18-5	92%	0.0494165%
			SODIUM CARBONATE	497-19-8	4%	0.0021485%
			PROTEOLYTIC ENZYME	9014-01-1	0%	5.4E-06%
			LINEAR ALKYL BENZENE SULFONATE	68081-81-2	1.5%	0.0008057%
			PRIMARY C14-15 ALCOHOL SULFATE	68081-98-1	1%	0.0005371%
			ALCOHOL ETHER SULFATE	68585-34-2	0.5%	0.0002686%
			D-LIMONENE	94266-47-4	1%	0.0005371%
			METHANOL	67-56-1	50%	0.1154636%
WF-1	EES	FOAMER (SPECIAL COAL)	2-BUTOEXYETHANOL	111-76-2	50%	0.1154636%
BIO-II	WEATHERFORD	BIOCIDE	2,2-dibromo-3-nitriloprionamide	10222-01-2	100%	0.0011284%
ACID INHIB-3	EES	ACID INHIBITOR (MODERATE TEMP)	N-DIMETHY FORMAMIDE	68-12-2	25%	0.0010579%
			ISOPROPYL ALCOHOL	107-21-1	25%	0.0010579%
			CINNAMALDEHYDE	104-55-2	25%	0.0010579%
			METHANOL	67-56-1	25%	0.0010579%
N2	AIR LIQUIDE	NITROGEN	NITROGEN	7727-37-9	100%	11.574007%
HCL	INDUSTRIAL CHEMICAL	HYDROCHLORIC ACID	HYDROCHLORIC ACID	7647-01-0	15%	0.1893659%
			WATER	7732-18-5	85%	1.0730735%
20. I, as Operator, hereby certify that the information shown on this disclosure form is true and complete to the best of my knowledge and belief.						
Signature: Signed Electronically		Printed Name: Carla L Suszkowski		Title: _____		
Date: 5/8/2015						
E-mail Address: csuszkowski@atlasenergy.com						

NMOCD does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCD does not require the reporting or disclosure of proprietary, trade secret or confidential business information.