

Submit within 45 days of well completion		<b>State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505</b>			Revised November 6, 2013	
		1. WELL API NO: 30-007-20234				
		2. Well Name: VPR B #023				
		3. Well Number: 023				
<b>HYDRAULIC FRACTURING FLUID DISCLOSURE</b> <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment		4. Surface Hole Location: Unit:O Lot:G53 Section:30 Township:30N Range:19E Feet from:304 N/S Line:S Feet from:2084 E/W Line:E				
		5. Bottom Hole Location: Unit:O Lot:G53 Section:30 Township:30N Range:19E Feet from:304 N/S Line:S Feet from:2084 E/W Line:E				
		6. latitude: 0 longitude: 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: 4/14/2015 Frac Performed by: Basic Energy Services		12. Production Type: G				
13. Pool Code(s): 97046		14. Gross Fractured Interval: 798 ft to 1,596 ft				
15. True Vertical Depth (TVD): 2,241 ft		16. Total Volume of Fluid Pumped: 535,228 gals				
17. Total Volume of Re-Use Water Pumped: 0 gals		18. Percent of Re-Use Water in Fluid Pumped: %				
<b>19. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:</b>						
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%	51.1820421%
FRAC SAND (ALL MESH)	PROPPANT SPECIALTIES	PROPPANT	CRYSTALLINE SILICA	14808-60-7	100%	25.5891172%
SCALESORB 3	BAKER HUGHES	SCALE INHIBITOR	AMINO ALKYL PHOSPHORIC ACID	Proprietary	30%	0.0252229%
			CRYSTALLINE SILICA	14808-60-7	70%	0.0588535%
GEL-100	Hercules	FRAC GEL	carboxymethyl 2-hydroxypropyl ether	68130-15-4	100%	0.158811%
BREAKER-503L	EES	LIQUID ENZYME BREAKER	SURCOSE	57-50-1	50%	0.0004989%
			ETHYLENE GYCOL	107-21-1	50%	0.0004989%
GB-3	UNIVAR	AMMONIUM PERSULFATE/ OXIDATIVE BREAKER	Ammonium Persulfate	7727-54-0	100%	0.0014947%
S-3	EES	SURFACTANT	WATER	7732-18-5	92%	0.0701309%
			SODIUM CARBONATE	497-19-8	4%	0.0030492%
			PROTEOLYTIC ENZYME	9014-01-1	0%	7.6E-06%
			LINEAR ALKYL BENZENE SULFONATE	68081-81-2	1.5%	0.0011434%
			PRIMARY C14-15 ALCOHOL SULFATE	68081-98-1	1%	0.0007623%
			ALCOHOL ETHER SULFATE	68585-34-2	0.5%	0.0003811%
			D-LIMONENE	94266-47-4	1%	0.0007623%
WF-1	EES	FOAMER (SPECIAL COAL)	METHANOL	67-56-1	50%	0.1107763%
			2-BUTOXYETHANOL	111-76-2	50%	0.1107763%
BIO-II	WEATHERFORD	BIOCIDE	2,2-dibromo-3-nitripropionamide	10222-01-2	100%	0.0007473%
ACID INHIB-3	EES	ACID INHIBITOR (MODERATE TEMP)	N-DIMETHY FORMAMIDE	68-12-2	25%	0.0007006%
			ISOPROPYL ALCOHOL	107-21-1	25%	0.0007006%
			CINNAMALDEHYDE	104-55-2	25%	0.0007006%
			METHANOL	67-56-1	25%	0.0007006%
N2	AIR LIQUIDE	NITROGEN	NITROGEN	7727-37-9	100%	21.8460362%
HCL	INDUSTRIAL CHEMICAL	HYDROCHLORIC ACID	HYDROCHLORIC ACID	7647-01-0	15%	0.125414%
			WATER	7732-18-5	85%	0.7106791%
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: <u>Signed Electronically</u>		Printed Name: <u>Carla L Suszkowski</u>		Title: _____		
Date: <u>5/8/2015</u>						
E-mail Address: <u>csuszkowski@atlasenergy.com</u>						

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.