

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 February 15, 2012				
		1. WELL API NO: 30-015-39509				
		2. Well Name: CROW FLATS 14 16 28 USA #005H				
		3. Well Number: 005H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amended		4. Surface Hole Location: Unit:D Lot:D Section:14 Township:16S Range:28E Feet from:660 N/S Line:N Feet from:200 E/W Line:W				
		5. Bottom Hole Location: Unit:D Lot:D Section:14 Township:16S Range:28E Feet from:660 N/S Line:N Feet from:200 E/W Line:W				
		6. latitude: longitude: 32.9291038363322 - 104.154649099802				
		7. County: Eddy				
8. Operator Name and Address: CHESAPEAKE OPERATING, INC. P.O. Box 18496 Oklahoma City 73154		9. OGRID: 147179		10. Phone Number: 405-935-3782		
11. Last Fracture Date: 2/25/2012 Frac Performed by: FTS INTERNATIONAL		12. Production Type: O				
13. Pool Code(s): 97102		14. Gross Fractured Interval: 6,947 ft to 10,868 ft				
15. True Vertical Depth (TVD): 6,612 ft		16. Total Volume of Fluid Pumped: 32,780 bbls				
17. 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)
Fresh Water		Carrier/Base Fluid			0%	85.37411%
Ottawa Sand		Proppant	Crystalline Silica (Quartz Sand, Silicon Dioxide)	014808-60-7	100%	8.17338%
10.1 - 15 HCL	FTS INTERNATIONAL	Acid	Water	007732-18-5	85%	1.70778%
10.1 - 15 HCL	FTS INTERNATIONAL	Acid	Hydrochloric Acid	007647-01-0	15%	0.30137%
FE 200	FTS INTERNATIONAL	Iron Control Agent			0%	0%
			Tetrasodium Ethylenediaminetetraacetate	000064-02-8	41%	0.00203%
FE 200	FTS INTERNATIONAL	Iron Control Agent	Trisodium Nitrilotriacetate	005064-31-3	2%	0.0001%
FE 200	FTS INTERNATIONAL	Iron Control Agent	Sodium Hydroxide	001310-73-2	1.9%	9E-05%
CI-150	FTS INTERNATIONAL	Corrosion Inhibitor	Isopropanol (Isopropyl Alcohol,Propan-2-ol)	000067-63-0	60%	0.00325%
CI-150	FTS INTERNATIONAL	Corrosion Inhibitor	Proprietary Organic Amine Resin Salt	TRADE SECRET	30%	0.00163%
CI-150	FTS INTERNATIONAL	Corrosion Inhibitor	Proprietary Aromatic Aldehyde	TRADE SECRET	10%	0.00054%
CI-150	FTS INTERNATIONAL	Corrosion Inhibitor	Proprietary Quaternary Ammonium Compound	TRADE SECRET	10%	0.00054%
CI-150	FTS INTERNATIONAL	Corrosion Inhibitor	Dimethyl Formamide	000068-12-2	10%	0.00054%
HVG01 (TURQUOISE-1BULK)	FTS INTERNATIONAL	Gelling Agent	Petroleum Distillate Hydrotreated Light	064742-47-8	55%	0.27421%
HVG01 (TURQUOISE-1 BULK)	FTS INTERNATIONAL	Gelling Agent	Guar Gum	009000-30-0	50%	0.24928%
HVG01 (TURQUOISE-1 BULK)	FTS INTERNATIONAL	Gelling Agent	Crystalline Silica (Quartz Sand, Silicon Dioxide)	014808-60-7	2%	0.00997%
HVG01 (TURQUOISE-1 BULK)	FTS INTERNATIONAL	Gelling Agent	Surfactant	068439-51-0	2%	0.00997%
LTB-01	FTS INTERNATIONAL	Breaker	Ammonium Persulfate	007727-54-0	100%	0.14198%
LTB-01	FTS INTERNATIONAL	Breaker	Crystalline Silica (Quartz Sand, Silicon Dioxide)	014808-60-7	25%	0.0355%
LTB-01	FTS INTERNATIONAL	Breaker	Proprietary Cured Acrylic Resin	TRADE SECRET	25%	0.0355%
BXL02 Borate XL	FTS INTERNATIONAL	Cross Linker	Sodium Metaborate Tetrahydrate	010555-76-7	25%	0.0328%
BXL02 Borate XL	FTS INTERNATIONAL	Cross Linker	Boric Acid	010043-35-3	15%	0.01968%
BXL02 Borate XL	FTS INTERNATIONAL	Cross Linker	Potassium Hydroxide	001310-58-3	12%	0.01575%
KCLS02 (LIQUID KCL SUBSTITUTE)	FTS INTERNATIONAL	Clay Stabilizer	Quaternary Ammonium Chloride	070750-07-1	60%	0.01899%
Super LC		Proppant	Crystalline Silica (Quartz Sand, Silicon Dioxide)	014808-60-7	97%	3.2638%
Super LC		Proppant	Phenol/Formaldehyde Resin	009003-35-4	5%	0.16824%
Super LC		Proppant	Hexamethylenetetramine (Hexamine)	000100-97-0	1%	0.03365%
B10 (HIGH PH BUFFER)	FTS INTERNATIONAL	pH Adjusting Agent	Potassium Carbonate	000584-08-7	48%	0.01386%
B10 (HIGH PH BUFFER)	FTS INTERNATIONAL	pH Adjusting Agent	Potassium Hydroxide	001310-58-3	20%	0.00578%
NE 100	FTS INTERNATIONAL	Non-Emulsifier	2-Butoxyethanol (Ethylene Glycol Monobutyl Ether)	000111-76-2	10%	0.00759%
NE 100	FTS INTERNATIONAL	Non-Emulsifier	Isopropanol (Isopropyl Alcohol,Propan-2-ol)	000067-63-0	10%	0.00759%
NE 100	FTS INTERNATIONAL	Non-Emulsifier	Dodecylbenzenesulfonic Acid	027176-87-0	5%	0.0038%
APB01 (AMMONIUM BREAKER)	FTS INTERNATIONAL	Breaker	Ammonium Persulfate	007727-54-0	100%	0.00187%
ICI-3240 (1 GAL)	FTS INTERNATIONAL	Anti-Bacterial Agent	Dazomet	000533-74-4	24%	0.00828%
ICI-3240 (1 GAL)	FTS INTERNATIONAL	Anti-Bacterial Agent	Sodium Hydroxide	001310-73-2	4%	0.00138%
CS-250 SI	FTS INTERNATIONAL	Scale Inhibitor	Ethylene Glycol	000107-21-1	10%	0.00153%
MC B-8642 (WS)	MULTI-CHEM	Anti-Bacterial Agent	Glutaraldehyde (Pentanediol)	000111-30-8	60%	0.01494%
MC B-8642 (WS)	MULTI-CHEM	Anti-Bacterial Agent	Quaternary Ammonium Compound	068424-85-1	10%	0.00249%
MC B-8642 (WS)	MULTI-CHEM	Anti-Bacterial Agent	Ethanol	000064-17-5	1%	0.00025%
MC MX 664-5	MULTI-CHEM	Surfactant	Methanol (Methyl Alcohol)	000067-56-1	70%	0.05494%
MC MX 664-5	MULTI-CHEM	Surfactant	Sulfonate	TRADE SECRET	30%	0.02354%
MC MX 664-5	MULTI-CHEM	Surfactant	Isopropanol (Isopropyl Alcohol,Propan-2-ol)	000067-63-0	5%	0.00392%
MC S-2510T (WS)	MULTI-CHEM	Scale Inhibitor	Ethylene Glycol	000107-21-1	60%	0.00604%
MC S-2510T (WS)	MULTI-CHEM	Scale Inhibitor	Sodium Hydroxide	001310-73-2	5%	0.0005%
18. 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: Bryan Arrant		Title: Regulatory Specialist II
Date:		5/1/2012				
E-mail Address:		bryan.arrant@chk.com				

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