

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. 30-015-39692				
		2. Well Name: PLU PIERCE CANYON 20 24 30 USA #001H				
		3. Well Number: 001H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☐ Original ☒ Amends disclosure submitted on 4/19/2012		4. Surface Hole Location: Unit:B Lot:B Section:20 Township:24S Range:30E Feet from:75 N/S Line:N Feet from:1725 E/W Line:E				
		5. Bottom Hole Location: Unit:B Lot:B Section:20 Township:24S Range:30E Feet from:75 N/S Line:N Feet from:1725 E/W Line:E				
		6. latitude: longitude: 32.2102526382817 - 103.900512407386				
		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: 4/18/2012 Frac Performed by: CUDD PUMPING SERVICES				12. Production Type: O		
13. Pool Code(s): 96403				14. Gross Fractured Interval: 7,972 ft to 12,595 ft		
15. True Vertical Depth (TVD): 7,922 ft				16. Total Volume of Fluid Pumped: 1,529 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)
ACID, 15% HCL	CUDD	ACID	WATER	007732-18-5	85%	0.884%
ACID, 15%HCL	CUDD	ACID	HYDROCHLORIC ACID	007647-01-0	15%	0.156%
FE-4	CUDD	IRON CONTROL AGENT	CITRIC ACID ANDHYDROUS	000077-92-9	55%	0.00339%
I-122	CUDD	CORROSION INHIBITOR	METHYL ALCOHOL	000067-56-1	40%	0.00039%
I-122	CUDD	CORROSION INHIBITOR	PROPARGYL ALCOHOL	000107-19-7	8%	0.0008%
PARASORB 5000	BAKER HUGHES	SCALE INHIBITOR	CALCINED DIATOMACEOUS EARTH	091053-39-3	65%	0.02124%
PARASORB 5000	BAKER HUGHES	SCALE INHIBITOR	MINERAL OIL	008042-47-5	30%	0.0098%
PARASORB 5000	BAKER HUGHES	SCALE INHIBITOR	CRYSTALLINE SILICA	014808-60-7	5%	0.00163%
SG-15M	CUDD	GELLING AGENT	PET. DIST. HYDROTREATED LIGHT	064742-47-8	65%	0.20401%
CS-14	CUDD	CLAY STABILZER	PROP. NON HAZARDOUS SALT	N/A	75%	0.03566%
SUPERSET W	CUDD	ACTIVATOR	METHANOL	000067-56-1	50%	0.00995%
SUPERSET W	CUDD	ACTIVATOR	ETHOXYLATED NONYL PHENOL	009016-45-9	50%	0.00995%
CX-14G	CUDD	CROSS LINKER	GREENSKEEPER SOLVENT	N/A	65.73%	0.0088%
CX-14G	CUDD	CROSS LINKER	GREENSKEEPER	N/A	65.73%	0.0088%
CX-14G	CUDD	CROSS LINKER	SODIUM TETRABORATE	001330-43-4	31.67%	0.00424%
CX-14G	CUDD	CROSS LINKER	PROPRIETARY	N/A	2.6%	0.00035%
GB-2	CUDD	BREAKER	AMMONIUM PERSULFATE	007727-54-0	100%	0.00356%
BF-200	CUDD	PH ADJUSTING AGENT	POTASSIUM HYDROXIDE	001310-58-3	20%	0.00282%
AGA-380	CUDD	GELLING AGENT	SODIUM BISULFITE	007631-90-5	100%	0.00116%
AGA-380	CUDD	GELLING AGENT	PET. DIST. HYDROTREATED LIGHT	064742-47-8	35%	0.00041%
AGA-380	CUDD	GELLING AGENT	ACETIC ACID	000064-19-7	1%	0.0001%
NE-217	CUDD	NON-EMULSIFIER	MELTHYL ALCOHOL	000067-56-1	50%	0.005%
FR-601	CUDD	FRICTION REDUCER	NO HAZARDOUS COMPONENTS	NON	0%	0%
MC S-2510T (WS)	MULTI-CHEM	SCALE INHIBITOR	ETHYLENE GLYCOL	000107-21-1	60%	0.00777%
MC S-2510T (WS)	SCALE INHIBITOR	SODIUM HYDROXIED	SODIUM HYDROXIDE	001310-73-2	5%	0.00065%
MC MX 664-5	MULTI-CHEM	SURFACTANT	METHANOL	00067-56-1	70%	0.05899%
MC-MX 664-5	MULTI-CHEM	SURFACTANT	SULFONATE	TRADE SECRET	30%	0.02528%
MC MX 664-5	MULTI-CHEM	SURFACTANT	ISOPROPANOL	000067-63-0	5%	0.00421%
MC B-8642 (WS)	MULTICHEM	ANTI-BACTERIAL AGENT	GLUTARALDEHYDE	000111-30-8	60%	0.01506%
MC B-8642 (WS)	MULTICHEM	ANTI-BACTERIAL AGENT	QUATERNARY AMMONIUM COMPOUND	068424-85-1	10%	0.00251%
MC B-8642 (WS)	MULTI-CHEM	ANTI-BACTERIAL AGENT	ETHANOL	000064-17-5	1%	0.0025%
PRASOB 5000	BAKER HUGHES	SCALE INHIBITOR	PARAFFIN INHIBITOR	N/A	25%	0.00817%
Fresh Water		Carrier Base Fluid			0%	86.58363%
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: 5/31/2012						
E-mail Address: bryan.arrant@chk.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.