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.
30-015-39945

2. Well Name:
CROW FLATS 14 16 28 USA #002H

3. Well Number:
002H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:E Lot:E Section:14 Township:16S Range:28E
Feet from:1980 N/S Line:N
Feet from:10 E/W Line:W

5. Bottom Hole Location:
Unit:E Lot:E Section:14 Township:16S Range:28E
Feet from:1980 N/S Line:N
Feet from:10 E/W Line:W

6. latitude: 32.9254763336835 longitude: -104.155272542158

7. County:
Eddy

8. Operator Name and Address:
CHEVRON U S A INC
Attn: Sandy Stedman-Daniel
P.O. Box 2100
Houston 77252

9. OGRID: 4323

10. Phone Number: 505-333-1941

11. Last Fracture Date: 6/7/2012 Frac Performed by: Trican

12. Production Type:
O

13. Pool Code(s):
97102

14. Gross Fractured Interval:
6,786 ft to 10,549 ft

15. True Vertical Depth (TVD):
66,049 ft

16. Total Volume of Fluid Pumped:
15,110 gals

17. Total Volume of Re-Use Water Pumped:
N/A

18. Percent of Re-Use Water in Fluid Pumped:
Not Disclosed

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)
Premium White	Unknown	Proppant	Crystalline Silica (Quartz Sand, Silicon Dioxide)	014808-60-7	100%	7.6294%
Super LC	Unknown	Proppant	Crystalline Silica (Quartz Sand, Silicon Dioxide)	014808-60-7	97%	3.05447%
Super LC	Unknown	Proppant	Phenol/Formaldehyde Resin	009003-35-4	5%	0.15745%
Super LC	Unknown	Proppant	Hexamethylenetetramine (Hexamine	000100-97-0	1%	0.03149%
100 Mesh Sand	Unknown	Proppant	Crystalline Silica (Quartz Sand, Silicon Dioxide)	014808-60-7	100%	0.73539%
15 hcl	TRICAN	Acid	Water	007732-18-5	85%	3.14918%
15 hcl	TRICAN	Acid	Hydrochloric Acid	007647-01-0	15%	0.55574%
FEAC-30	TRICAN	Iron Control Agent	Acetic Acid	000064-19-7	60%	0.01174%
FEAC-30	TRICAN	Iron Control Agent	Water	007732-18-5	60%	0.01174%
FEAC-30	TRICAN	Iron Control Agent	Citric Acid	000077-92-9	30%	0.00587%
AI-9	TRICAN	Corrosion Inhibitor	Methanol (Methyl Alcohol)	000067-56-1	60%	0.00727%
AI-9	TRICAN	Corrosion Inhibitor	Ethoxylated Alcohols^ C14-15	068951-67-7	30%	0.00363%
AI-9	TRICAN	Corrosion Inhibitor	Modified Thiourea Polymer	068527-49-1	30%	0.00363%
AI-9	TRICAN	Corrosion Inhibitor	Propargyl Alcohol (2-Propynol)	000107-19-7	10%	0.00121%
AI-9	TRICAN	Corrosion Inhibitor	Alkenes^ C>10 alpha-	064743-02-8	5%	0.00061%
ParaSorb	BAKER HUGHES	Scale Inhibitor	Calcined Diatomaceous Earth	091053-39-3	65%	0.02602%
ParaSorb	BAKER HUGHES	Scale Inhibitor	Mineral Oil (Paraffin Oil, White Mineral Oil)	008042-47-5	30%	0.01201%
MC MX 5-2350	MULTI-CHEM	Surfactant	Methanol (Methyl Alcohol)	000067-56-1	100%	0.06662%
MC MX 5-2350	MULTI-CHEM	Surfactant	Proprietary Ethoxylated Alcohol Blend	TRADE SECRET	13%	0.00866%
MC MX 5-2350	MULTI-CHEM	Surfactant	Proprietary Sulfonate	TRADE SECRET	10%	0.00666%
MC B-8642 (WS)	MULTI-CHEM	Anti-Bacterial Agent	Glutaraldehyde (Pentanediol)	000111-30-8	60%	0.01301%
MC B-8642 (WS)	MULTI-CHEM	Anti-Bacterial Agent	Ethanol	000064-17-5	1%	1%
MC S-2510T (WS)	MULTI-CHEM	Scale Inhibitor	Ethylene Glycol	000107-21-1	60%	0.0053%
MC S-2510T (WS)	MULTI-CHEM	Scale Inhibitor	Sodium Hydroxide	001310-73-2	5%	0.00045%
WG-111D	TRICAN	Gelling Agent	Guar Gum	009000-30-0	100%	0.28072%
WXB-12	TRICAN	Cross Linker	Ethylene Glycol	000107-21-1	60%	0.04416%
WXB-12	TRICAN	Cross Linker	Sodium Tetraborate	012179-04-3	30%	0.02208%
WXB-12	TRICAN	Cross Linker	Sodium Hydroxide	001310-73-2	7%	0.00515%
WBO-1 (Oxidizer Breaker)	TRICAN	Breaker	Ammonium Persulfate	007727-54-0	100%	0.01504%
PH-11	TRICAN	pH Adjusting Agent	Potassium Hydroxide	001310-58-3	23%	0.0075%
EnCap HP	TRICAN	Breaker	Ammonium Persulfate	007727-54-0	60%	0.004%
EnCap HP	TRICAN	Breaker	Proprietary Cured Acrylic Resin	TRADE SECRET	25%	0.00167%
EnCap HP	TRICAN	Breaker	Crystalline Silica (Quartz Sand, Silicon Dioxide)	014808-60-7	15%	0.001%
DF-1	TRICAN	Defoaming Agent	No Hazardous Components	NONE	0%	0%

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: Cindy Herrera-Murillo Title: Permitting Specialist

Date: 11/26/2013

E-mail Address: eeof@chevron.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.