

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:
30-015-42976

2. Well Name:
WHITE CITY 21 25 27 FEDERAL COM #006H

3. Well Number:
006H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:N Lot:N Section:21 Township:25S Range:27E
Feet from:330 N/S Line:S
Feet from:1923 E/W Line:W

5. Bottom Hole Location:
Unit:N Lot:N Section:21 Township:25S Range:27E
Feet from:330 N/S Line:S
Feet from:1923 E/W Line:W

6. latitude:
32.109154285 longitude:
-104.19727098

7. County:
Eddy

8. Operator Name and Address:
CHEVRON U S A INC
Attn: Sandy Stedman-Daniel
1400 Smith
Houston 77002

9. OGRID:
4323

10. Phone Number:
713-372-2978

11. Last Fracture Date: 5/26/2015 Frac Performed by: Weatherford

12. Production Type:
O

13. Pool Code(s):
30216

14. Gross Fractured Interval:
7,860 ft to 11,992 ft

15. True Vertical Depth (TVD):
12,276 ft

16. Total Volume of Fluid Pumped:
3,011,527 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)
Water	Chevron (West Texas)	Carrier / Base Fluid	Carrier / Base Fluid - Water		100%	0.85137%
Ottawa Sand 20/40 (2.63 sg)	WFT	Proppant	Crystalline Silica in the form of Quartz	14808-60-7	100%	0.11768%
Super LC 16/30 (2.56 sg)	WFT	Proppant	Crystalline Silica (Quartz)	14808-60-7	78.99%	0.01808%
			Formaldehyde	50-00-0	0.01%	0%
			Hexamethylenetetramine	100-97-0	1%	0.00023%
			Hydrated Aluminum Silicate	1332-58-7	5%	0.00114%
			Iron Oxide (fume)	1309-37-1	15%	0.00343%
			Phenol	108-95-2	0.01%	0%
			Phenol-Formaldehyde Resin	9003-35-4	6%	0.00137%
WBK-133	WFT	Breaker	Ammonium Persulfate	7727-54-0	100%	5E-05%
Bio-ClearA® 5000	WFT	Bactericide	2,2-dibromo-3-nitrioproppionamide	10222-01-2	5%	2E-05%
			Dibromoacetonitrile	3252-43-5	0.5%	0%
			Polyethylene Glycol	25322-68-3	65%	0.00031%
			Sodium Bromide	7647-15-6	1.5%	1E-05%
WBK-143L	WFT	Breaker	Potassium chloride	7447-40-7	15%	9E-05%
			Sodium chlorite	7758-19-2	15%	9E-05%
WXL-100L	WFT	Crosslink Control	Ethylene Glycol	107-21-1	40%	9E-05%
WFR-55LA	WFT	Friction Reducers	Ethylene Glycol	107-21-1	5%	3E-05%
WGA-15L	WFT	Gelling Agents	Petroleum Distillates	64742-47-8	60%	0.00127%
WAI-251LC	WFT	Inhibitor	1-Decanol	112-30-1	5%	0%
			1-Octanol	111-87-5	5%	0%
			2-Butoxyethanol	111-76-2	10%	0%
			Ethoxylated Nonylphenol	68412-54-4	5%	0%
			Ethylene Glycol	111-76-2	40%	1E-05%
			Isopropyl Alcohol	67-63-0	5%	0%
			N,N-Dimethylformamide	68-12-2	20%	1E-05%
			Tar bases, quinoline derivs, benzyl chloride-quaternized	72480-70-7	10%	0%
			Triethylphosphate	78-40-0	5%	0%
WIC-641L	WFT	Iron Control	Citric acid	77-92-9	60%	0.00011%
WIC-644L	WFT	Iron Control	acetic acid glacial	64-19-7	90%	0.00014%
WPB-584L	WFT	ph Adjusting Agents	Potassium Carbonate	584-08-7	40%	0.00032%
			Potassium Hydroxide	1310-58-3	20%	0.00016%
WNE-363L	WFT	Surfactant	2-Ethylhexanol	104-76-7	7%	6E-05%
			Dodecylbenzenesulfonic acid, monoethanolamine salt	26836-07-7	15%	0.00013%
			Ethylene/Propylene Oxide Polymer	11/6/03	30%	0.00026%
			Poly(oxy-1,2-ethanedyl), a-isotridecyl-w-hydroxy-	9043-30-5	5%	4E-05%
WNE-365LN	WFT	Surfactant	2-ethylhexanol residue	68609-68-7	7%	0%
			Alkylbenzene Sulfonic Acid Salt	26836-07-7	10%	0%
			Heavy Aromatic Naphthalene	64741-67-9	7%	0%
			Naphthalene	91-20-3	1.5%	0%
7.5% HCL	WFT	Acid	Hydrochloric Acid	7647-01-0	7.5%	0.00081%
15% HCL	WFT	Acid	Hydrochloric Acid	7647-01-0	15%	0.00062%
Ingredients shown above are subject to 29 CFR 1910			2-Butoxyethanol	111-76-2	0%	2E-05%
			Acetaldehyde	75-07-0	0%	0%
			Alcohol Ethoxylate	68002-97-1	0%	2E-05%
			Alcohols, C12-16, Ethoxylated	68551-12-2	0%	2E-05%
			Arlacel 83	9007-43-0	0%	2E-05%
			Choline Chloride	67-48-1	0%	0.00032%
			Cinnamaldehyde	104-55-2	0%	0%
			Crystalline Silica in the form of Quartz	14808-60-7	0%	2E-05%
			Deionized water	7732-18-5	0%	0.00043%
			Dioxane	123-91-1	0%	0%
			Ethanolamine Borate	68425-67-2	0%	9E-05%
			Ethylene Oxide	75-21-8	0%	0%
			Guar gum	9000-30-0	0%	0.00106%
			No ingredients as hazardous according to OSHA 29 CFR 1910.1200	NA	0%	0%
			Proprietary ingredient	Proprietary	0%	0.00074%
			Sodium chloride	7647-14-5	0%	0.00012%

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: Denise Pinkerton Title: Regulatory Specialist

Date: 10/5/2015

E-mail Address: leakejd@chevron.com

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