

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:
30-025-41610

2. Well Name:
CARAVAN BVV STATE #006H

3. Well Number:
006H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:C Lot:C Section:33 Township:24S Range:33E
Feet from:50 N/S Line:N
Feet from:1990 E/W Line:W

5. Bottom Hole Location:
Unit:C Lot:C Section:33 Township:24S Range:33E
Feet from:330 N/S Line:N
Feet from:1976 E/W Line:W

6. latitude:
32.1812163098442 longitude:
-103.579383379799

7. County:
Lea

8. Operator Name and Address:
YATES PETROLEUM CORPORATION
105 S 4TH ST
ARTESIA 88210

9. OGRID:
25575

10. Phone Number:

11. Last Fracture Date: 2/8/2015 Frac Performed by: Halliburton

12. Production Type:
O

13. Pool Code(s):
96682

14. Gross Fractured Interval:
11,373 ft to 15,853 ft

15. True Vertical Depth (TVD):
11,053 ft

16. Total Volume of Fluid Pumped:
4,989,045 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)
Fresh Water	Operator	Base Fluid	Water	7732-18-5	100%	85.86295%
15 % NEFE Acid	Halliburton	Solvent	Hydrochloric acid	7647-01-0	30%	1.06466%
CERAMIC PROP	Halliburton	Proppant	Crystalline silica, cristobalite	14464-46-1	30%	0.29821%
			Mullite	1302-93-8	100%	0.99404%
			Silica, amorphous - fumed	7631-86-9	30%	0.29821%
CERAMIC PROP PLUS	Halliburton	Proppant	Crystalline silica, cristobalite	14464-46-1	30%	2.68982%
			Mullite	1302-93-8	100%	8.98608%
			Silica, amorphous - fumed	7631-86-9	30%	2.68982%
Cla-Web™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.03027%
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyeppichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.01421%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00429%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.01678%
			Monoethanolamine borate	26038-87-9	100%	0.05584%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.01024%
LCA-1	Halliburton	Solvent	Paraffinic solvent	Confidential Business Information	100%	0.00338%
PermVis VFR-10	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30%	0.00218%
			Alcohols, C12-16, ethoxylated	68551-12-2	10%	0.00073%
			Ammonium chloride	12125-02-9	10%	0.00073%
			9-Octadecenamide, n,n-bis-2(hydroxy-ethyl)-, (Z)	93-83-4	5%	0.00036%
OILPERM FMM-2	Halliburton	Surfactant	Citrus extract	94266-47-4	10%	0.01817%
			Isopropanol	67-63-0	30%	0.0545%
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.00091%
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.00909%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.19184%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00291%
			Walnut hulls	Mixture	100%	0.00969%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00163%
PARASORB 5000	3rd Party	Paraffin inhibitor	Diatomaceous earth, calcined	91053-39-3	60%	0.48414%
			Mineral oil	8042-47-5	30%	0.24207%
			Crystalline silica, quartz	14808-60-7	1%	0.00807%
Ingredients Listed Below This Line Are Part of the			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[[[4-sulfur-1-naphthalenyl]azo]-, trisodium salt	915-67-3	0%	0%
			Acetic acid	64-19-7	0%	0%
			Acetic anhydride	108-24-7	0%	0%
			Aluminum Silicate	1302-76-7	0%	0%
			Amine salts	Confidential Business Information	0%	0%
			Amine salts	Confidential Business Information	0%	0%
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%
			C.I. Pigment Red 5	6410-41-9	0%	0%
			Citric acid	77-92-9	0%	0%
			Crystalline Silica, Quartz	14808-60-7	0%	0%
			Cured acrylic resin	Confidential Business Information	0%	0%
			Cured acrylic resin	Confidential Business Information	0%	0%
			Diatomaceous earth	61790-53-2	0%	0%
			Ethylene Based Polymer	Trade Secret	0%	0%
			Enzyme	Confidential Business Information	0%	0%
			Formaldehyde	50-00-0	0%	0%
			Hexamethylenetetramine	100-97-0	0%	0%
			Iron oxide	1309-37-1	0%	0%
			Phenol	108-95-2	0%	0%
			Phenol / formaldehyde resin	9003-35-4	0%	0%
			Proprietary Paraffin Inhibitor	Trade Secret	0%	20.172439%
			Quaternary amine	Confidential Business Information	0%	0%
			Quaternary amine	Confidential Business Information	0%	0%
			Quaternary amine	Confidential Business Information	0%	0%
			Silica gel	112926-00-8	0%	0%
			Sodium chloride	7647-14-5	0%	0%
			Sodium sulfate	7757-82-6	0%	0%
			Surfactant mixture	Confidential Business Information	0%	0%
			Surfactant mixture	Confidential Business Information	0%	0%
			Titanium dioxide	13463-67-7	0%	0%
			Trimethylamine, N-oxide	1184-78-7	0%	0%
			Water	7732-18-5	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: Tina Huerta

Regulatory Reporting

Date: 3/11/2015

Title: Supervisor

E-mail Address: tinah@ypcnm.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.