

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

1. WELL API NO.
30-015-26907

2. Well Name:
PALO VERDE AVJ FEDERAL COM #001H

3. Well Number:
001H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:M Lot:M Section:24 Township:20S Range:24E
Feet from:760 N/S Line:S
Feet from:660 E/W Line:W

5. Bottom Hole Location:
Unit:M Lot:M Section:24 Township:20S Range:24E
Feet from:760 N/S Line:S
Feet from:660 E/W Line:W

6. latitude: 32.5538923459787 longitude: - 104.548269831439

7. County:
Eddy

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

9. OGRID:
25575

10. Phone Number:

11. Last Fracture Date: 7/25/2012 Frac Performed by: FTS International

12. Production Type:
G

13. Pool Code(s):
97451

14. Gross Fractured Interval:
3,198 ft to 6,806 ft

15. True Vertical Depth (TVD):
2,725 ft

16. Total Volume of Fluid Pumped:
89,295 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)
Water	Operator	Carrier	Water	7732-18-5	100%	99.51634%
HCl, 15.1 - 20%	FTSI	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.05346%
			Water	7732-18-5	85%	0.30296%
CI-150	FTSI	Corrosion Inhibitor	Isopropanol	67-63-0	30%	0.0003%
			Dimethylformamide	68-12-2	10%	0.0001%
			Organic amine resin salt	Proprietary	30%	0.0003%
			Quaternary ammonium compound	Proprietary	10%	0.0001%
			Aromatic aldehyde	Proprietary	10%	0.0001%
			Ethylene Glycol	107-21-1	30%	0.0003%
			Diethylene glycol	111-46-6	1%	0%
			Water	7732-18-5	5%	0%
			Fatty acid	Proprietary	0.1%	0%
			Fatty acid salt	Proprietary	0.1%	0%
			Aliphatic alcohol	Proprietary	0.1%	0%
			Alkylene Oxide Block Polymer	Proprietary	10%	0.0001%
FRW-200	FTSI	Friction Reducer	Petroleum Distillate	64742-47-8	30%	0.00155%
			Hydrotreated light			
			Ethylene glycol	107-21-1	4%	0.00021%
			Water	7732-18-5	60%	0.00311%
			Aliphatic hydrocarbon	Proprietary	30%	0.00155%
			Polyol Ester	Proprietary	5%	0.00026%
			Acrylamide	79-06-1	0.1%	0%
			Anionic Polymer	Proprietary	30%	0.00155%
			Polyglycol Ester	Proprietary	0.1%	0%
			Oxyalkylated alcohol	Proprietary	5%	0.00026%
FE-100L	FTSI	Iron Control	Citric Acid	77-92-9	55%	0.00065%
			Water	7732-18-5	60%	0.00071%
Shale Surf 1000	FTSI	Flow-back Enhancer	Ethoxylated alcohol	Proprietary	20%	0.00121%
			2-Butoxyethanol	111-76-2	10%	0.0006%
			2-Propanol	67-63-0	10%	0.0006%
			Cyclohexene	5989-27-5	10%	0.0006%
			Methanol	67-56-1	10%	0.0006%
			Water	7732-18-5	85%	0.00514%
HVG-1	FTSI	Guar Slurry	Guar Gum	9000-30-0	50%	0.00785%
			Petroleum Distillate	64742-47-8	55%	0.00863%
			Clay	14808-60-7	2%	0.00031%
NE 100	FTSI	Non Emulsifier	2-Butoxyethanol	111-76-2	10%	0%
			2-Propanol	67-63-0	10%	0%
			Dodecylbenzenesulfonic acid	27176-87-0	5%	0%
			Sulfuric Acid	7664-93-9	0.01%	0%
			Sulfur dioxide	7446-009-5	0%	0%
			Water	7732-18-5	90%	0.00028%
LTB-1	FTSI	Breaker	Ammonium Persulfate	7727-54-0	100%	0.00241%
			Cured acrylic resin	Proprietary	100%	0.00241%
			Silica, Crystalline Quartz	14808-60-7	10%	0.00024%
CS-210	FTSI	Polymer Breaker	Sodium Chloride	7647-14-5	15%	0.00062%
			Sodium Chlorite	7758-19-2	5%	0.00021%
			Sodium Hydroxide	1310-73-2	0%	0%
			Water	7732-18-5	80%	0.0033%
B-5	FTSI	Low pH Buffer	Acetic Acid	64-19-7	90%	0%
			Water	7732-18-5	35%	0%
ICI-150	FTSI	Biocide	Gluteral	111-30-8	50%	0.0016%
			Water	7732-18-5	50%	0.0016%
			Methanol	67-56-1	0.5%	0%
Super LC 20/40	Santral	Proppant	Crystalline Silica (Quartz)	14808-60-7	97%	0%
			Phenol-Formaldehyde	9003-35-4	5%	0%
			Novalak Resin			
			Hexamethylenetetramine	100-97-0	1%	0%
Sand, White, 40/70	FTSI	Proppant	Crystalline Silica (Quartz)		100%	0.07401%
Sand, White, 100 Mesh	Santral	Proppant	Crystalline Silica (Quartz)		100%	0.01407%
Sand Texas Gold, 16/30	FTSI	Proppant	Crystalline Silica (Quartz)		100%	0%
Water	Operator	Carrier	Water	7732-18-5	100%	0%
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			Sodium Chlorite	7758-19-2	5%	0.00021%
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PC 20/40	Santral	Proppant	Crystalline Silica (Quartz)	14808-60-7	97%	0%
			Phenol-Formaldehyde	9003-35-4	5%	0%
			Novalak Resin			
			Hexamethylenetetramine	100-97-0	1%	0%
Sand, Texas Gold, 40/70	FTSI	Proppant	Crystalline Silica (Quartz)		100%	0%
Sand, White, 100 Mesh	Santral	Proppant	Crystalline Silica (Quartz)		100%	0%
Sand Texas Gold, 20/40	FTSI	Proppant	Crystalline Silica (Quartz)		100%	0%

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: Tina Huerta

Regulatory Reporting Title: Supervisor

Date: 9/27/2012

E-mail Address: tinah@ypcnm.com

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