

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:
30-005-29114

2. Well Name:
CAPROCK 35 STATE #001H

3. Well Number:
001H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:M Lot:M Section:35 Township:14S Range:31E
Feet from:660 N/S Line:S
Feet from:330 E/W Line:W

5. Bottom Hole Location:
Unit:M Lot:M Section:36 Township:14S Range:31E
Feet from:410 N/S Line:S
Feet from:700 E/W Line:W

6. latitude:
33.0541571489976 longitude:
-103.799875387018

7. County:
Chaves

8. Operator Name and Address:
MARSHALL & WINSTON INC
PO BOX 50880
MIDLAND 79710

9. OGRID:
14187

10. Phone Number:

11. Last Fracture Date: 2/10/2012 Frac Performed by: Baker Hughes

12. Production Type:
O

13. Pool Code(s):
97715

14. Gross Fractured Interval:
9,015 ft to 13,940 ft

15. True Vertical Depth (TVD):
8,820 ft

16. Total Volume of Fluid Pumped:
711,186 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)
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.86386%
X-Cide 207	Baker Hughes	Biocide	2-Methyl-4-Isothiazolin-3-One	2682-20-4	5%	0.00017%
Water	Operator	Carrier	Water	7732-18-5	100%	83.85377%
			Water	7732-18-5	85%	4.89518%
			5-Chloro-2-Methyl-4-Isothiazolin-3-One	26172-55-4	10%	0.00034%
			Crystalline Silica: Cristobalite	14464-46-1	1%	3E-05%
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	3E-05%
			Diatomaceous Earth, Calcined	91053-39-3	60%	0.00204%
			Magnesium Chloride	7786-30-3	5%	0.00017%
			Magnesium Nitrate	10377-60-3	10%	0.00034%
GBW-5	Baker Hughes	Breaker	Ammonium Persulfate	7727-54-0	100%	0.00255%
Enzyme G-1	Baker Hughes	Breaker	Contains non-hazardous ingredients which are listed in the non-MSDS section of the report	NA	100%	0.02535%
BR-9L, 300 gal tote	Baker Hughes	Buffer	Potassium Carbonate	584-08-7	60%	0.05772%
			Potassium Hydroxide	1310-58-3	30%	0.02886%
ClayCare,tote	Baker Hughes	Clay Control	Choline Chloride	67-49-1	75%	0.03213%
			Water	7732-18-5	30%	0.01285%
Clay Master-5C	Baker Hughes	Clay Control	Oxyalkylated Amine Quat	138879-94-4	60%	0.00559%
CI-31	Baker Hughes	Corrosion Inhibitor	Aromatic Aldehyde	Trade Secret	30%	0.0017%
			Benzyl Chloride	100-44-7	1%	6E-05%
			Cyclic Alkanes	Trade Secret	5%	0.00028%
			Formic Acid	64-18-6	60%	0.00339%
			Isopropanol	67-63-0	10%	0.00057%
			Menthanol	67-56-1	5%	0.00028%
			Organic Sulfue Compound	Trade Secret	5%	0.00028%
			Oxyalkylated Fatty Acid	Trade Secret	30%	0.0017%
			Quaternary Ammonium Compound	Trade Secret	30%	0.0017%
XLW-4	Baker Hughes	Crosslinker	Sodium Tetraborate	1303-96-4	30%	0.00486%
XLW-30AG, tote	Baker Hughes	Crosslinker	Petroleum Distillates	64742-47-8	60%	0.04665%
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	60%	0.20779%
			Paraffinic Petroleum Distillate	64742-55-8	60%	0.20779%
			Petroleum Distillate	64742-47-8	60%	0.20779%
AG-12	Baker Hughes	Gelling Agent	Acrylic Polymers	26006-22-4	50%	0.00949%
			Distillates, Petroleum, Hydrotreated Middle	64742-47-8	21.1%	0.004%
Ferrotrol 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.02337%
			Ammonium Hydroxide	1336-21-6	5%	0.00117%
			Cupric Chloride	7447-39-4	5%	0.00117%
NE-23	Baker Hughes	Non-emulsifier	Isopropanol	67-63-0	100%	0.00744%
NE-945, tote	Baker Hughes	Non-emulsifier	Oxyalkylated alcohol	Trade Secret	5%	0.00208%
Sand, White, 30/50	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	9.24216%
InFlo 250W	Baker Hughes	Surfactant	2-Butoxyethanol	111-76-2	5%	0.00213%
			Methanol	67-56-1	30%	0.01277%
			Surfactants	Trade Secret	80%	0.03405%
			2-Mercaptoethyl Alcohol	60-24-2	0%	0.0001979%
			Alkozylated Amine	Trade Secret	0%	0.0041612%
			Alkyene Oxide Block Polymer	Trade Secret	0%	0.0049699%
			Antifoam	Trade Secret	0%	8.3E-06%
			Boric Oxide	1303-86-2	0%	0.0248793%
			Copolymer	Trade Secret	0%	0%
			Diethylene Glycol	111-46-6	0%	5.7E-06%
			Ethoxylated Nonylphenal	9016-45-9	0%	0%
			Fatty Acid Esters	67701-32-0	0%	0.0003606%
			Fatty Acid Oxyalkylate	70142-34-6	0%	3.8E-05%
			Hemicellulase Enzyme Concentrate	9025-56-3	0%	0.0007605%
			Organic Sulfonic Acid	27176-87-0	0%	8.32E-05%
			Organophilic Clay	Trade Secret	0%	0.0038874%
			Oxyalkylated Alkylphenol	9016-45-9	0%	0.0003416%
			Polyglycol	25322-68-3	0%	0.0007906%
			Polymeric Suspending Agent	Trade Secret	0%	0.0038874%
			Polyquaternary Amine	Trade Secret	0%	0.0004993%
			Quaternary Ammonium Compound	Trade Secret	0%	0.0002545%
			Surfactant	Trade Secret	0%	0.0007775%
			Water	7732-18-5	0%	0.148267%
			Xylene	1330-20-7	0%	0.0001139%
			diester of sulfosuccinic acid sodium salt	2673-22-5	0%	9.49E-05%

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: Sherry Roberts Title: Operations Secretary

Date: 1/31/2014

E-mail Address: sroberts@mar-win.com

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