

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 8, 2013

1. WELL API NO
30-025-41437

2. Well Name:
BETTIS 20 STATE COM #003H

3. Well Number:
003H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location:
Unit:O Lot:O Section:20 Township:24S Range:33E
Feet from:200 N/S Line:S
Feet from:2260 E/W Line:E

5. Bottom Hole Location:
Unit:B Lot:2 Section:20 Township:24S Range:33E
Feet from:330 N/S Line:N
Feet from:2262 E/W Line:E

6. Latitude:
32.1964454178084 Longitude:
-103.59314572374

7. County:
Lea

8. Operator Name and Address:
MURCHISON OIL & GAS INC
1100 Mira Vista Blvd.
Plano 75093

9. OGRID:
15363

10. Phone Number:
972-931-0700

11. Last Fracture Date:
6/22/2014 Frac Performed by:
Baker Hughes

12. Production Type:
O

13. Pool Code(s):
98674

14. Gross Fractured Interval:
Confidential

15. True Vertical Depth (TVD):
11,121 ft

16. Total Volume of Fluid Pumped:
3,468,780 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	Operator	Carrier	Water	7732-18-5	100%	86.15461%
HCl, 7.6 - 10%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	10%	0.16127%
			Water	7732-18-5	90%	1.45142%
Activator, 330 gal tote	Baker Hughes	Activator	Alcohols, C12-14-Secondary, Ethoxylated	84133-50-6	70%	0.02133%
			Methanol	67-56-1	50%	0.01524%
Alpha 125	Baker Hughes	Biocide	Glutaraldehyde	111-30-8	30%	0.00724%
GBW-5	Baker Hughes	Breaker	Ammonium persulphate	7727-54-0	100%	0.00581%
High Perm CRB	Baker Hughes	Breaker	Ammonium Persulphate	7727-54-0	100%	0.00328%
BF-9L, 55 gal drum	Baker Hughes	Buffer	Potassium Carbonate	584-08-7	60%	0.05755%
			Potassium Hydroxide	1310-58-3	30%	0.02877%
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.06402%
			Water	7732-18-5	30%	0.02561%
Clay Master-5C	Baker Hughes	Clay Control	Oxyalkylated Amine Quat	Trade Secret	60%	0.03269%
CI-27	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	30%	0.00037%
			Methanol	67-56-1	60%	0.00074%
			Olefin	Trade Secret	5%	6E-05%
			Polyoxyalkylenes	Trade Secret	30%	0.00037%
			Propargyl Alcohol	107-19-7	10%	0.00012%
			Thiourea Polymer	68527-49-1	30%	0.00037%
XLW-4	Baker Hughes	Crosslinker	Sodium Tetraborate	1303-96-4	30%	0.00803%
XLW-30AG, tote	Baker Hughes	Crosslinker	Petroleum Distillates	64742-47-8	60%	0.02275%
MaxPerm-20A, 265 gallon tote	Baker Hughes	Friction Reducer	Oxyalkylated Alcohol	Trade Secret	5%	0.00029%
			Petroleum Distillates	64742-47-8	30%	0.00176%
			Polycrylate	Trade Secret	60%	0.00353%
			Sodium Chloride	7647-14-5	3%	0.00018%
GW-4	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	100%	0.20647%
AG-12	Baker Hughes	Gelling Agent	Acrylic Polymers	Trade Secret	60%	0.00397%
			Distillates, Petroleum, Hydrotreated Middle	64742-47-8	30%	0.00199%
			Oxyalkylated Alkylphenol	Trade Secret	5%	0.00033%
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Mixture of Surfactants	Trade Secret	50%	0.04191%
			Propylene Glycol	57-55-6	30%	0.02515%
Parasorb 5000, bag	Baker Hughes	Paraffin Inhibitor	Calcined Diatomaceous Earth	91053-39-3	60%	0.0143%
			Silica, Crystalline-Quartz	14808-60-7	1%	0.00024%
			White Mineral Oil	8042-47-5	30%	0.00715%
Sand, White, 30/50	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	9.54278%
Sand, White, 100 mesh	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	0.31701%
OilPlus Bulk (30/50)	Baker Hughes	Proppant	Quartz (Silica)	14808-60-7	100%	1.62437%
Scaletrol 720	Baker Hughes	Scale Inhibitor	Calcium Chloride	10043-52-4	5%	0.00125%
			Ethylene Glycol	107-21-1	30%	0.00751%
Ingredients shown above are subject to 29 CFR 1910			Boric Oxide	1303-86-2	0%	0.012134%
			Cured Resin	Trade Secret	0%	0.0007864%
			Fatty Acid Esters	67701-32-0	0%	0.0001258%
			Fatty Acid Oxyalkylate	70142-34-6	0%	1.32E-05%
			Formaldehyde	50-00-0	0%	6E-07%
			Methanol	67-56-1	0%	6.03E-05%
			Oleate Ester	1338-43-8	0%	0.0001764%
			Organophilic Clay	Trade Secret	0%	0.0018959%
			Polycrylate	Trade Secret	0%	0.0050068%
			Polymeric Suspending Agent	Trade Secret	0%	0.0018959%
			Polysorbate	9005-65-6	0%	0.0001764%
			Potassium Chloride	7447-40-7	0%	1.25E-05%
			Sodium Chloride	7647-14-5	0%	0.0012667%
			Surfactant	Trade Secret	0%	0.0003792%
			Vinyl Acetate	24937-78-8	0%	0.0047662%
			Ethylene Copolymer			
			Water	7732-18-5	0%	0.1093924%
			Xylene	1330-20-7	0%	3.97E-05%
			diester of sulfosuccinic acid sodium salt	2673-22-5	0%	3.31E-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
Date:
7/11/2014
E-mail Address:
ccottrell@jdmii.com

Printed Name:
Cindy Cottrell

Title:
Regulatory Coordinator

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