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.
30-025-42154

2. Well Name:
BROWN BEAR 36 STATE #502H

3. Well Number:
502H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ **Original**

☐ **Amendment**

4. Surface Hole Location:
Unit:D Lot:D Section:36 Township:25S Range:33E
Feet from:230 N/S Line:N
Feet from:835 E/W Line:W

5. Bottom Hole Location:
Unit:D Lot:D Section:36 Township:25S Range:33E
Feet from:230 N/S Line:N
Feet from:835 E/W Line:W

6. latitude: 32.0935941948284 longitude: -103.531844466063

7. County:
Lea

8. Operator Name and Address:
EOG RESOURCES INC
P.O. Box 2267
Midland 79702

9. OGRID: 7377

10. Phone Number: 432-686-3689

11. Last Fracture Date: 3/17/2015 Frac Performed by: Universal Pressure Pumping Inc

12. Production Type:
O

13. Pool Code(s):
97741

14. Gross Fractured Interval:
10,916 ft to 15,482 ft

15. True Vertical Depth (TVD):
10,916 ft

16. Total Volume of Fluid Pumped:
6,410,022 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	EOG	Carrier/Base Fluid	Water	7732-18-5	100%	87.0918%
Sand	EOG	Proppant	Crystalline Silica	14808-60-7	100%	11.76265%
Hydrochloric Acid	UPPI	Acid	Hydrogen Chloride	7647-01-0	37%	0.33934%
			Water	7732-18-5	74%	0.67869%
CIA-5	Chemplex	Acid Corrosion Inhibitors	Methyl Alcohol	67-56-1	40%	0.00054%
			Propargyl Alcohol	107-19-7	8%	0.00011%
IR-1	Chemplex	Iron Control Additives	Cupric Chloride Dihydrate	10125130	7%	0.00018%
			Thioglycol	60-24-2	75%	0.00196%
CSA-70	UPPI	Clay Stabilizer	Choline Chloride	67-48-1	75%	0.13288%
			Water	7732-18-5	30%	0.05315%
S-602	UPPI	Surfactant	Sodium Carbonate	497-19-8	4%	0.00156%
			Proteolytic Enzyme	9014-01-1	0.1%	4E-05%
			Linear alkyl benene sulfonate	68081-81-2	2%	0.00078%
			Primary C14-15 Alcohol Sulfate	68081-98-1	1%	0.00039%
			Alcohol Ether Sulfate	68585-34-2	0.5%	0.00019%
			d-Limonene	94266-47-4	1%	0.00039%
NE-1	UPPI	Non-Emulsifier	Methyl Alochol	67-56-1	15%	6E-05%
			Cocamide Diethanolamine Salt	68603-42-9	10%	4E-05%
			Diethanolamine	111-42-2	5%	2E-05%
			Ethylene Glycol Monobutyl Ether	111-76-2	15%	6E-05%
			Water	7732-18-5	66%	0.00025%
PFR-2340	UPPI	Friction Reducer	Anionic Polymer	107-21-1	0%	0%
Oil Soluble Tracer (OST)	Spectrum Tracer Services	Diagnostics	Charcoal	7440-44-0	90%	0.00034%
			Inert Ingredients	Trade Secret	10%	4E-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: Kiera Staples Title: Environmental Associate

Date: 4/13/2015

E-mail Address: kiera_staples@eogresources.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.