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. 30-015-42655
2. Well Name: TOMB RAIDER 1 FEDERAL #001H
3. Well Number: 001H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location: Unit:B Lot:2 Section:1 Township:23S Range:31E Feet from:200 N/S Line:N Feet from:2005 E/W Line:E
5. Bottom Hole Location: Unit:B Lot:2 Section:1 Township:23S Range:31E Feet from:200 N/S Line:N Feet from:2005 E/W Line:E
6. latitude: 32.3400421 longitude: -103.7294922
7. County: Eddy

8. Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP, 333 W. Sheridan Avenue, Oklahoma City 73102
9. OGRID: 6137
10. Phone Number: 405-228-8588
11. Last Fracture Date: 3/20/2015 Frac Performed by: Schlumberger
12. Production Type: O
13. Pool Code(s): 39350
14. Gross Fractured Interval: Confidential
15. True Vertical Depth (TVD): 10,235 ft
16. Total Volume of Fluid Pumped: 5,822,439 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)
15% HCl, YF120, YF125, Slickwater	Schlumberger	Acid Corrosion Inhibitor A286, Activator , Bactericide (Myacide GA25), Friction Reducer, Demulsifier	Water (Including Mix Water Supplied by Client)*	NA	0%	87.27152%
			Quartz, Crystalline silica	14808-60-7	97.59289%	12.42209%
			Guar gum	9000-30-0	0.6662%	0.0848%
			Hydrochloric acid	7647-01-0	0.44089%	0.05612%
			Ethylene Glycol	107-21-1	0.23001%	0.02928%
			Phenolic resin	9003-35-4	0.19018%	0.02421%
			Propan-2-ol	67-63-0	0.1258%	0.01601%
			Distillates (petroleum), hydrotreated light	64742-47-8	0.0931%	0.01185%
			Diammonium peroxidisulphate	7727-54-0	0.07336%	0.00934%
			Acrylamide/ammonium acrylate copolymer	26100-47-0	0.07093%	0.00903%
			Alcohol, C7-9-iso, C8, ethoxylated	78330-19-5	0.06466%	0.00823%
			Glutaraldehyde	111-30-8	0.05836%	0.00743%
			Ammonium chloride	12125-02-9	0.04433%	0.00564%
			Polyethylene glycol monohexyl ether	31726-34-8	0.04034%	0.00514%
			Gum, xanthan	11138-66-2	0.03285%	0.00418%
			Sodium tetraborate	1330-43-4	0.02103%	0.00268%
			Sodium hydroxide	1310-73-2	0.01998%	0.00254%
			1, 2, 3 - Propanetriol	56-81-5	0.01705%	0.00217%
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.01002%	0.00127%
			Sorbitan monooleate	1338-43-8	0.00887%	0.00113%
			Ethoxylated oleic acid	9004-96-0	0.00887%	0.00113%
			Polyethylenimin, polymer with ethylene oxide and propylene oxide	52501-07-2	0.00857%	0.00109%
			Crosslinked PO/EO-block polymer	68123-18-2	0.00685%	0.00087%
			Methyl oxirane polymer with oxirane	9003-11-6	0.00339%	0.00043%
			2-hydroxy-N,N,N-trimethylethanaminium chloride	67-48-1	0.00296%	0.00038%
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.00268%	0.00034%
			Sorbitol Tetraoleate	61723-83-9	0.00266%	0.00034%
			Sodium sulfocyanate	540-72-7	0.00231%	0.00029%
			2-Propenoic acid, ammonium salt	10604-69-0	0.00217%	0.00028%
			Alcohols, C10-C16, ethoxylated	68002-97-1	0.00177%	0.00023%
			Alkyl (c10-c14) alcohols, ethoxylated	66455-15-0	0.00171%	0.00022%
			Alcohol, C11-14, ethoxylated	78330-21-9	0.00171%	0.00022%
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00168%	0.00021%
			Non-crystalline silica (impurity)	7631-86-9	0.00167%	0.00021%
			Fatty acid, tall-oil reaction products with acetophenone	68188-40-9	0.00162%	0.00021%
			C14 alpha olefin ethoxylate	84133-50-6	0.00133%	0.00017%
			Alcohols, C12-C14, ethoxylated	68439-50-9	0.00133%	0.00017%
			Isodecanol w/6-7 Moles Ethylene Oxide	26183-52-8	0.00091%	0.00012%
			Cinnamaldehyde	104-55-2	0.00059%	8E-05%
			2-propenamid	79-06-1	0.0004%	5E-05%
			Magnesium silicate hydrate (talc)	14807-96-6	0.00031%	4E-05%
			Amines, tallow alkyl, ethoxylated	61791-26-2	0.00017%	2E-05%
			poly(tetrafluoroethylene)	9002-84-0	0.00013%	2E-05%
			Ethanol	64-17-5	0.0001%	1E-05%
			Dodecyl poly(oxyethylene) ether	9002-92-0	7E-05%	1E-05%
			Glycols, polyethylene, monotetradecyl ether	27306-79-2	5E-05%	1E-05%
			Potassium oleate	143-18-0	2E-05%	0%
			Oleic acid	112-80-1	2E-05%	0%
			Acetic acid, potassium salt	127-08-2	0%	0%
			Acetic acid	64-19-7	0%	0%
			Oxirane	75-21-8	0%	0%
			Propylene oxide	75-56-9	0%	0%
			1,4-Dioxane	123-91-1	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: Rebecca Deal Title: Regulatory Professional

Date: 3/17/2016

E-mail Address: rebecca.deal@dvn.com

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