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 9, 2010

1. WELL API NO. 30-025-42360
2. Well Name: DUNKEL 7 STATE #002H
3. Well Number: 002H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location: Unit N Lot N Section 7 Township 16S Range 36E; Feet from 250 N/S Line S; Feet from 1980 E/W Line W
5. Bottom Hole Location: Unit N Lot N Section 7 Township 16S Range 36E; Feet from 330 N/S Line W; Feet from 1980 E/W Line W
6. Bonds: OGRID: 372098 Bond #: 22-7055166665 Bond Amount: +03.3995821621
7. Operator: Name: LEE

8. Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP, 333 W. Sheridan Avenue, Oklahoma City 73102
9. OGRID: 6137
10. Phone Number: 405-229-6559
11. Last Fracture Date: 05/29/2015 Frac Performed by: Baker Hughes
12. Production Type: O
13. Pool Code(s): 96264
14. Gross Fractured Interval: 7,750-12,550
15. Total Volume of Fluid Pumped: 3,183,534 gals
16. Total Water Volume Used from Permit: 3,183,534 gals
17. Total Volume of Re-Use Water Pumped: N/A
18. Percent of Re-Use Water Pumped: Not Disclosed
19. Total Volume of Flowback Pumped: Not Disclosed

20. 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%	77.6241231%
HCl, 10.1 - 15%	Baker Hughes	Acidizing	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.0055026%
GBW-5	Baker Hughes	Breaker	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.0035568%
High Perm CRB	Baker Hughes	Breaker	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.0041618%
BF-9L, 300 gal tote	Baker Hughes	Buffer	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.0050443%
ClayCare, tote	Baker Hughes	Clay Control	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.0030047%
Clay Master-5C	Baker Hughes	Clay Control	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.0007001%
CI-27	Baker Hughes	Corrosion Inhibitor	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.0015263%
XLR-4	Baker Hughes	Crosslinker	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.0053394%
XLW-30G, tote	Baker Hughes	Crosslinker	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.0648158%
MaxPerm-20A, 265 gallon tote	Baker Hughes	Friction Reducer	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.0262553%
AQ-12	Baker Hughes	Gelling Agent	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.0011523%
GW-3G	Baker Hughes	Gelling Agent	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.0905176%
Ferrotrol 200L	Baker Hughes	Iron Control	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.0025317%
Parasorb 5000, bag	Baker Hughes	Paraffin Inhibitor	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.0237237%
Sand, White, 20/40	Baker Hughes	Proppant	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	20.4547171%
INFLO 72	Baker Hughes	Surface Tension Reducer	MSDS and Non-MSDS Ingredients Listed Below	N/A	0%	0.0753649%
Ingredients in Additive(s) (MSDS and Non-MSDS)	Baker Hughes	See Trade Name(s) List	1-Propanaminium, 2,3-dihydroxy-N,N,N-trimethyl-, 3-(dodecanoylamino) derivatives, polymer with 2-propenamide, sodium salt (1:1)	53469-60-8	60%	0.0160266%
			2-Mercaptoethanol	60-24-2	100%	0.0052377%
			2-methyl-4-isothiazolin-3-one	2682-20-4	0.001%	6E-07%
			5-Chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	0.001%	6E-07%
			Acetic acid ethenyl ester, polymer with ethenol	24937-78-8	1%	0.0005029%
			Acrylamide-acrylic acid copolymer, sodium salt	EPA Act 1264-31	1%	0.0006477%
			Acrylic Polymers	26006-22-4	60%	0.0006954%
			Ammonium acetate	1336-21-6	5%	0.0001264%
			Ammonium Chloride	7727-54-0	100%	0.0076197%
			Beta-Mercaptoethanol	7726-54-3	2.45%	6.52E-05%
			Cellulase	9012-54-8	2%	0.0012642%
			Choline Chloride	67-48-1	75%	0.0012217%
			Crystalline Silica	14808-60-7	100%	0.0002363%
			Crystalline Silica - Cristobalite	14464-46-1	1%	0.0000236%
			Crystalline Silica - Quartz	14808-60-7	100%	20.4214468%
			Crystalline Silica - Quartz	14808-60-7	1%	0.0006477%
			Cupric Chloride	7447-39-4	5%	0.0001264%
			Diatomaceous Earth, Calcined (kieselguhr)	91053-39-3	70%	0.0165582%
			Diatomaceous Earth, Natural (kieselguhr)		10%	0.0023658%
			Ethylene Glycol	67763-12-5	1.9%	0.195-05%
			FAW-22	70142-34-6	0.2%	2.3E-06%
			Glutaraldehyde	111-30-8	30%	0.0005427%
			Glycerol	56-81-5	0.01%	1.26E-07%
			Guar Gum	9000-30-0	100%	0.0003758%
			Hydrated Magnesium Silicate	14807-96-6	1%	4.15E-05%
			Hydrochloric Acid	7647-01-0	15%	0.1491017%
			Hydrotreated Light Distillate	64742-47-8	30%	0.0005665%
			Isopropanol	67-63-0	30%	0.0035736%
			Magnesium chloride	7786-30-3	0.001%	6E-07%
			Magnesium nitrate	10377-60-3	0.001%	6E-07%
			Methanol	67-56-1	60%	9.6E-05%
			Mineral Oil	8042-47-5	100%	0.0001264%
			Nonionic Alkoxylate	70209-32-2	10%	0.0012642%
			Oxalic Acid	144-62-02-9	1%	2.12E-05%
			Orange Terpene	68647-72-3	5%	0.0015823%
			Potassium Acetate	127-08-2	15%	0.0018969%
			Quaternized Amine Quat	139070-94-4	60%	0.0004194%
			Quaternized Alkylamine	9016-45-9	5%	3.75E-05%
			Sec-Butylated alcohol	76330-21-9	5%	0.0014108%
			Tar	8052-42-4	0.5%	2.07E-05%
			Terephthalic(ethylene)			
			Paraffinic Solvent	68919-65-6	30%	0.0025274%
			Aromatic Solvent	68647-57-7	30%	0.0025274%
			Polyoxyethylene sorbitan monooleate	9005-65-6	5%	0.0014108%
			Potassium Metaborate	584-08-7	60%	0.0407594%
			Potassium Formate	590-29-4	30%	0.0184103%
			Potassium Hydroxide	1310-58-3	30%	0.0203769%
			Sodium Chloride	7647-14-5	1%	0.0012642%
			Sodium Chlorite	7758-19-2	5%	0.0014225%
			Sodium Tetraborate	1303-96-4	30%	0.0169256%
			Sodium bisulfite	7631-18-1	1%	0.0006477%
			Sodium chloride	7647-14-5	1%	0.0006477%
			Water	7732-18-5	1%	0.0006477%
			hemasilicate hydrate			
			Sodium phosphate	7632-32-3	1%	0.0006477%
			Borate salts, nonhazardous	1319-33-5	5%	0.0014108%
			Sodium perborate tetrahydrate	10486-00-7	100%	0.0012642%
			Sodium Chloride	7647-14-5	30%	0.1903635%
			Thiourea Polymer	68527-49-1	30%	0.3005427%
			Methanol	67-56-1	30%	0.3005427%
			Vinyldene Chloride-Methyl Acrylate Polymer	25038-72-6	25%	0.0015823%
			Water	7732-18-5	85%	1.9E-03%
			Ammonium Chloride	12125-02-9	10%	0.0076197%
			Water of Isotheucomic acid dipotassium salt	2372-22-1	0.5%	8.5E-06%

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:	3/16/2016		
E-mail Address:	rebecca.deal@dvn.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.