

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. 30-025-40708					
		2. Well Name: CASWELL 23 FEDERAL #001H					
		3. Well Number: 001H					
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:A Lot:A Section:23 Township:17S Range:32E Feet from:335 N/S Line:N Feet from:260 E/W Line:E					
		5. Bottom Hole Location: Unit:A Lot:A Section:23 Township:17S Range:32E Feet from:335 N/S Line:N Feet from:260 E/W Line:E					
		6. latitude: 32.8263539913772 longitude: -103.729383839631					
		7. County: Lea					
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: 12/6/2012 Frac Performed by: Halliburton		12. Production Type: O					
13. Pool Code(s): 44500		14. Gross Fractured Interval: Confidential					
15. True Vertical Depth (TVD): 7,125 ft		16. Total Volume of Fluid Pumped: 4,775,355 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)	
Fresh Water	Operator	Base Fluid	Water	7732-18-5	100%	88.24711%	
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	5.81468%	
RC CERAMIC PROP	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	30%	0.70872%	
			Mullite	1302-93-8	100%	2.36572%	
			Phenol / formaldehyde resin	9003-35-4	5%	0.11829%	
SAND - COMMON WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	2.37005%	
HYDROCHLORIC ACID 10-30%	Halliburton	Solvent	Hydrochloric acid	7647-01-0	30%	0.53576%	
FE ACID - >10% HCL	Halliburton	Acid	Hydrochloric acid	7647-01-0	30%	0.22729%	
Clayfix 3	Halliburton	Additive	Sodium chloride	7647-14-5	30%	0.05509%	
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.01094%	
			Monoethanolamine borate	26038-87-9	100%	0.03647%	
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.02206%	
FDP-S1011-11	Halliburton	Friction Reducer	Ethoxylated nonylphenol	Proprietary	60%	0.02206%	
FR-66	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30%	0.0258%	
BE-9	Halliburton	Biocide	Hydrotreated light petroleum distillate	64742-47-8	30%	0.01367%	
SGA-II	Halliburton	Gelling Agent	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00375%	
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Hydrotreated light petroleum distillate	64742-47-8	30%	0.00344%	
HpH BREAKER	Halliburton	Breaker	Guar gum	9000-30-0	100%	0.00089%	
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Sodium chloride	7647-14-5	30%	0.00025%	
			Glassy calcium magnesium phosphate	65997-17-3	100%	0.00013%	
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	9E-05%	
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	2E-05%	
			Walnut hulls	Mixture	100%	5E-05%	
Ingredients Listed Below This Line Are Part of the			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl)azo] -, trisodium salt	915-67-3	0%	0%	
			Water	7732-18-5	0%	0%	
			Tall oil acid diethanolamide	68155-20-4	0%	0%	
			Inorganic Salt	Proprietary	0%	0%	
			Hexamethylenetetramine	100-97-0	0%	0%	
			Acetic anhydride	108-24-7	0%	0%	
			Silica gel	112926-00-8	0%	0%	
			Polyacrylamide Copolymer	Proprietary	0%	0%	
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%	
			Alcohols, C10-16, ethoxylated	68002-97-1	0%	0%	
			C.I. Pigment Red 5	6410-41-9	0%	0%	
			Acrylamide	79-06-1	0%	0%	
			1,2-Benzisothiazolin-3-one	2634-33-5	0%	0%	
			Calcium chloride	10043-52-4	0%	0%	
			Crystalline Silica, Quartz	14808-60-7	0%	0%	
			Ethoxylated sorbitan monostearate	9005-67-8	0%	0%	
			Modified Acrylamide Copolymer	Proprietary	0%	0%	
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	0%	0%	
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	0%	0%	
			Acetic acid	64-19-7	0%	0%	
			Surfactant Mixture	Proprietary	0%	0%	
			Enzyme	Proprietary	0%	0%	
			Cured Acrylic Resin	Proprietary	0%	0%	
			Ammonium chloride	12125-02-9	0%	0%	
			Magnesium chloride hexahydrate	7791-18-6	0%	0%	
			Alcohols, C12-16, ethoxylated	68551-12-2	0%	0%	
			Citric acid	77-92-9	0%	0%	
			Sodium chloride	7647-14-5	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: Sara Cook		Title: Regulatory Associate		
	Date: 3/12/2015						
	E-mail Address: sara.cook@dvn.com						

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