

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:
30-025-40709

2. Well Name:
CASWELL 23 FEDERAL #003H

3. Well Number:
003H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:A Lot:A Section:23 Township:17S Range:32E
Feet from:385 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:385 N/S Line:N
Feet from:260 E/W Line:E

6. latitude: longitude:
32.8262165614592 -103.729383556964

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: 12/3/2012 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:
2,346,305 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%
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%
SAND - COMMON WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	2.37005%
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%	0.70972%
			Mullite	1302-93-8	100%	2.36572%
			Phenol / formaldehyde resin	9003-35-4	5%	0.11829%
FDP-S1011-11	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30%	0.0258%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00375%
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%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00025%
FR-66	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30%	0.01367%
SGA-II	Halliburton	Gelling Agent	Hydrotreated light petroleum distillate	64742-47-8	30%	0.00344%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.02206%
OptiKleen-WF™	Halliburton	Concentrate	Ethoxylated nonylphenol	Proprietary	60%	0.02206%
			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%
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.00013%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.00089%
Ingredients Listed Below This Line Are Part of the			1,2-Benzisothiazolin-3-one	2634-33-5	0%	0%
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl)azo] -, trisodium salt	915-67-3	0%	0%
			Acetic acid	64-19-7	0%	0%
			Acetic anhydride	108-24-7	0%	0%
			Acrylamide	79-06-1	0%	0%
			Alcohols, C10-16, ethoxylated	68002-97-1	0%	0%
			Alcohols, C12-16, ethoxylated	68551-12-2	0%	0%
			Ammonium chloride	12125-02-9	0%	0%
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%
			C.I. Pigment Red 5	6410-41-9	0%	0%
			Calcium chloride	10043-52-4	0%	0%
			Citric acid	77-92-9	0%	0%
			Crystalline Silica, Quartz	14808-60-7	0%	0%
			Cured Acrylic Resin	Proprietary	0%	0%
			Cured Acrylic Resin	Proprietary	0%	0%
			Enzyme	Proprietary	0%	0%
			Enzyme	Proprietary	0%	0%
			Ethoxylated sorbitan monostearate	9005-67-8	0%	0%
			Hexamethylenetetramine	100-97-0	0%	0%
			Inorganic Salt	Proprietary	0%	0%
			Magnesium chloride hexahydrate	7791-18-6	0%	0%
			Modified Acrylamide Copolymer	Proprietary	0%	0%
			Polyacrylamide Copolymer	Proprietary	0%	0%
			Silica gel	112926-00-8	0%	0%
			Sodium chloride	7647-14-5	0%	0%
			Sorbitan monooleate polyoxyethylene derivative	9005-66-6	0%	0%
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	0%	0%
			Surfactant Mixture	Proprietary	0%	0%
			Surfactant Mixture	Proprietary	0%	0%
			Tall oil acid	68155-20-4	0%	0%
			diethanolamide			
			Water	7732-18-5	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@dm.com

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