

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:
30-025-26256

2. Well Name:
LANDSDALE D FEDERAL COM #001

3. Well Number:
001

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:I Lot:I Section:4 Township:19S Range:32E
Feet from:1980 N/S Line:S
Feet from:660 E/W Line:E

5. Bottom Hole Location:
Unit:I Lot:I Section:4 Township:19S Range:32E
Feet from:1980 N/S Line:S
Feet from:660 E/W Line:E

6. latitude: 32.6876221 longitude: -103.7648392

7. County: Lea

8. Operator Name and Address:
CHEVRON U S A INC
Attn: Sandy Stedman-Daniel
1400 Smith
Houston 77002

9. OGRID: 4323

10. Phone Number: 713-372-2978

11. Last Fracture Date: 8/25/2015 Frac Performed by: Halliburton

12. Production Type: G

13. Pool Code(s): 4500

14. Gross Fractured Interval: 10,585 ft to 10,610 ft

15. True Vertical Depth (TVD): 10,610 ft

16. Total Volume of Fluid Pumped: 68,443 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	Fresh Water	7732-18-5	100%	86.87072%
HYDROCHLORIC ACID	Halliburton		Hydrochloric acid	7647-01-0	60%	1.59797%
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	9.39151%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.004%
LOSURF-360	Halliburton	Surfactant	Complex Alkylamine	100545-50-4	5%	0.00466%
			Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl- omega.-hydroxy-	61827-42-7	30%	0.02796%
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.00208%
			Potassium metaborate	13709-94-9	60%	0.02491%
BC-200 UC	Halliburton	Crosslinker	Modified alkane	Confidential	60%	0.07378%
EXPEDITE 225 COMPONENT B	Halliburton	Hardener	Methanol	67-56-1	60%	0.02741%
			Modified cycloaliphatic amine adduct	Mixture	60%	0.02741%
			Phosphate ester	Confidential	10%	0.00457%
EXPEDITE 225 COMPONENT A	Halliburton	Resin	Epoxy resin	Confidential	100%	0.1132%
			Butyl glycidyl ether	2426-08-6	30%	0.03396%
			Butyl lactate	138-22-7	10%	0.01132%
EXPEDITE 225 CLEAN-UP SOLUTION	Halliburton	Solvent	Ethylene glycol monobutyl ether	111-76-2	60%	0.19943%
			Acetic acid	64-19-7	10%	0.03324%
Cla-Web II	Halliburton				100%	0%
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.03044%
			Crystalline silica, quartz	14808-60-7	30%	0.00913%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00304%
BE-6 MICROBIOCIDE	Halliburton	Biocide	2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	0.00274%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.24928%
Ingredients Listed Below This Line Are Part of the			1H-Pyrazole-3-carboxylic acid, 4,5-dihydro-5-oxo-1-(4-sulfophenyl)-4-[(4-sulfophenyl)azo]-, trisodium salt	1934-21-0	0%	0%
			2-Ethyl hexanol	104-76-7	0%	0%
			2-Naphthalenesulfonic acid, 6-hydroxy-5-[(4-sulfophenyl)azo]-, disodium salt	2783-94-0	0%	0%
			Alkane	Confidential	0%	0%
			Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%
			Borate salts	Confidential	0%	0%
			Butyl alcohol	71-36-3	0%	0%
			Crystalline silica, quartz	14808-60-7	0%	0%
			Cured acrylic resin	Confidential	0%	0%
			Ethylenediamine	107-15-3	0%	0%
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0%	0%
			FD&C Blue 1	3844-45-9	0%	0%
			Methanol	67-56-1	0%	0%
			Modified bentonite	Confidential	0%	0%
			Organic salt	Confidential	0%	0%
			Organo amino silane	Confidential	0%	0%
			Phosphoric acid	7664-38-2	0%	0%
			Propylene carbonate	108-32-7	0%	0%
			Propylene glycol	57-55-6	0%	0%
			Quaternary amine	Confidential	0%	0%
			Silica gel	112926-00-8	0%	0%
			Siloxanes and silicones, dimethyl,	83148-52-7	0%	0%
			Sodium bicarbonate	144-55-5	0%	0%
			Sodium carbonate	497-19-8	0%	0%
			Sodium sulfate	7757-82-6	0%	0%
			Surfactant mixture	Confidential	0%	0%
			Surfactant mixture	Confidential	0%	0%
			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: Denise Pinkerton

Title: Regulatory Specialist

Date: 11/23/2015

E-mail Address: leakejd@chevron.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.