

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:
30-045-22035

2. Well Name:
NAVAJO O 12 #002

3. Well Number:
002

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location:
Unit:O Lot:O Section:12 Township:25N Range:11W
Feet from:990 N/S Line:S
Feet from:1800 E/W Line:E

5. Bottom Hole Location:
Unit:O Lot:O Section:12 Township:25N Range:11W
Feet from:990 N/S Line:S
Feet from:1800 E/W Line:E

6. Latitude:
36.4110072735256 Longitude:
-107.952787447381

7. County:
San Juan

8. Operator Name and Address:
CHEVRON MIDCONTINENT, L.P.
Attn: Sandy Stedman-Daniel
1400 Smith
Houston 77002

9. OGRID:
241333

10. Phone Number:
713-372-2978

11. Last Fracture Date:
12/22/2014 Frac Performed by:
Halliburton

12. Production Type:
G

13. Pool Code(s):
97232

14. Gross Fractured Interval:
5,009 ft to 5,295 ft

15. True Vertical Depth (TVD):
6,157 ft

16. Total Volume of Fluid Pumped:
69,083 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%	54.02337%
FE Acid > 10%	Halliburton				100%	1.23988%
SAND - PREMIUM BROWN	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	14.64456%
CRC SAND	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	4.74964%
			Hexamethylenetetramine	100-97-0	2%	0.09499%
			Phenol / formaldehyde resin	9003-35-4	5%	0.23748%
LOSURF-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.00035%
			Ethanol	64-17-5	60%	0.02095%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.01048%
			Naphthalene	91-20-3	5%	0.00175%
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00175%
HC-2	Halliburton	Additive	Inner salt of alkyl amines	Confidential	30%	0.06077%
			Sodium chloride	7647-14-5	30%	0.06077%
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Methanol	67-56-1	60%	0.00124%
			Propargyl alcohol	107-19-7	10%	0.00021%
BE-6 MICROBIOCID	Halliburton	Biocide	2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	0.01277%
Cla-Web(TM)	Halliburton	Additive	Ammonium salt	Confidential	60%	0.0245%
LGC-36 UC	Halliburton	Liquid Gel Concentrate	Guar gum	9000-30-0	60%	0.15129%
			Naphtha, hydrotreated heavy	64742-48-9	60%	0.15129%
BC-140	Halliburton	Crosslinker	Ethylene glycol	107-21-1	30%	0.03483%
			Monoethanolamine borate	26038-87-9	60%	0.06966%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00186%
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00557%
Scalechek(R) SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Crystalline silica, quartz	14808-60-7	30%	0.00167%
			Glassy calcium magnesium phosphate	65997-17-3	100%	0.00929%
NITROGEN LIQUEFIED	Halliburton	Fluid	Nitrogen	7727-37-9	100%	24.66443%
Ingredients Listed Below This Line Are Part of the			Alcohols, C14-C15, ethoxylated	68951-67-7	0%	0%
			Amine salts	Confidential	0%	0%
			Amine salts	Confidential	0%	0%
			Crystalline silica, quartz	14808-60-7	0%	0%
			Cured acrylic resin	Confidential	0%	0%
			Fatty acids, tall oil	Confidential	0%	0%
			Fatty alcohol polyglycol ether surfactant	9043-30-5	0%	0%
			Glycerine	56-81-5	0%	0%
			Olefins	Confidential	0%	0%
			Olefins	Confidential	0%	0%
			Olefins	Confidential	0%	0%
			Olefins	Confidential	0%	0%
			Oxyalkylated phenolic resin	Confidential	0%	0%
			Oxyalkylated phenolic resin	Confidential	0%	0%
			Quaternary amine	Confidential	0%	0%
			Quaternary amine	Confidential	0%	0%
			Quaternary amine	Confidential	0%	0%
			Quaternary ammonium compounds, bis (hydrogenated tallow alkyl) dimethyl,salts with bentonite	68953-58-2	0%	0%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	0%	0%
			Sodium chloride	7647-14-5	0%	0%
			Sodium sulfate	7757-82-6	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
Date:
2/2/2015
E-mail Address:
april.pohl@chevron.com

Printed Name:
April E Pohl

Title:
Permitting Specialist

NMOC

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