

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:
30-015-41845

2. Well Name:
HAYHURST 17 FEDERAL #001H

3. Well Number:
001H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:D Lot:D Section:17 Township:25S Range:27E
Feet from:55 N/S Line:N
Feet from:190 E/W Line:W

5. Bottom Hole Location:
Unit:D Lot:D Section:17 Township:25S Range:27E
Feet from:55 N/S Line:N
Feet from:190 E/W Line:W

6. latitude: 32.137152097952 longitude: -104.220275605001

7. County: Eddy

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: 4/3/2014 Frac Performed by: Halliburton

12. Production Type: O

13. Pool Code(s): 97494

14. Gross Fractured Interval: 7,850 ft to 12,062 ft

15. True Vertical Depth (TVD): 12,091 ft

16. Total Volume of Fluid Pumped: 2,569,382 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		Hydrochloric acid	7647-01-0	100%	84.79774%
HYDROCHLORIC ACID 5-10%	Halliburton				10%	0.1266%
PREMIUM BROWN 20/40	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	12.24564%
CRC-16/30	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	1.27866%
FR-66	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30%	0.00388%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00415%
Cla-Web™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.01438%
LoSurf-360W	Halliburton	Surfactant	Complex alkylamine	Confidential Business Information	5%	0.00396%
			Glycerine	56-81-5	10%	0.00792%
			Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy-	61827-42-7	30%	0.02375%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00277%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.00322%
			Monoethanolamine borate	26038-87-9	100%	0.01073%
Scaletrol 720	Baker Hughes	Scale Inhibitor	Ethylene Glycol	107-21-1	30%	0.00733%
			Calcium Chloride	10043-52-4	5%	0.00123%
FE-1A ACIDIZING COMPOSITION	Halliburton	Additive	Acetic acid	64-19-7	60%	0.00766%
FE-2A	Halliburton	Additive	Acetic anhydride	108-24-7	100%	0.01277%
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Methanol	67-56-1	60%	0.00127%
			Propargyl alcohol	107-19-7	10%	0.00021%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.14593%
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.00283%
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00261%
			Crystalline silica, quartz	14808-60-7	30%	0.00078%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00196%
Parasorb 5000	Baker Hughes	Paraffin Control	Diatomaceous earth, calcined	91053-39-3	60%	0.01425%
			Mineral Oil	8042-47-5	30%	0.00713%
			Crystalline silica	14808-60-7	1%	0.00024%
Corrsorb 3600	Baker Hughes	Corrosion Inhibitor	Diatomaceous earth, calcined	91053-39-3	100%	0.00475%
			Quaternary ammonium chloride	Proprietary	30%	0.00143%
			Acid phosphate ester	Proprietary	10%	0.00048%
			Crystalline silica	14808-60-7	1%	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%
			Alcohols, C12-16, ethoxylated	68551-12-2	0%	0%
			Alcohols, C14-C15, ethoxylated	68951-67-7	0%	0%
			Alkane	Confidential Business Information	0%	0%
			Amine salts	Confidential Business Information	0%	0%
			Amine salts	Confidential Business Information	0%	0%
			Ammonium chloride	12125-02-9	0%	0%
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%
			Crystalline Silica, Quartz	14808-60-7	0%	0%
			Cured acrylic resin	Confidential Business Information	0%	0%
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0%	0%
			Fatty acid tall oil amide	Confidential Business Information	0%	0%
			Fatty acids, tall oil	Confidential Business Information	0%	0%
			Hydrogen peroxide	7722-84-1	0%	0%
			Nitrotriacetic acid, trisodium salt monohydrate	5064-31-3	0%	0%
			Olefins	Confidential Business Information	0%	0%
			Olefins	Confidential Business Information	0%	0%
			Olefins	Confidential Business Information	0%	0%
			Olefins	Confidential Business Information	0%	0%
			Polyacrylamide copolymer	Confidential Business Information	0%	0%
			Quaternary amine	Confidential Business Information	0%	0%
			Quaternary amine	Confidential Business Information	0%	0%
			Quaternary amine	Confidential Business Information	0%	0%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	0%	0%
			Silica gel	112926-00-8	0%	0%
			Sodium bicarbonate	144-55-8	0%	0%
			Sodium chloride	7647-14-5	0%	0%
			Sodium glycolate	2836-32-0	0%	0%
			Sodium hydroxide	1310-73-2	0%	0%
			Sodium sulfate	7757-82-6	0%	0%
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	0%	0%
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	0%	0%
			Surfactant mixture	Confidential Business Information	0%	0%
			Surfactant mixture	Confidential Business Information	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: Cindy Herrera-Murillo

Title: Permitting Specialist

Date: 4/22/2014

E-mail Address: eeof@chevron.com

NMOCOD does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCOD does not require the reporting or disclosure of proprietary, trade secret or confidential business information.