

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:
30-015-41248

2. Well Name:
HACKBERRY 6 FEDERAL COM #004H

3. Well Number:
004H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:C Lot:3 Section:6 Township:19S Range:31E
Feet from:380 N/S Line:N
Feet from:1500 E/W Line:W

5. Bottom Hole Location:
Unit:N Lot:N Section:6 Township:19S Range:31E
Feet from:181 N/S Line:S
Feet from:1664 E/W Line:W

6. latitude:
32.6956395147743 longitude:
-103.912077833176

7. County:
Eddy

8. Operator Name and Address:
OXY USA WTP LIMITED PARTNERSHIP
PO Box 4294
Houston 77210

9. OGRID:
192463

10. Phone Number:
713-366-5069

11. Last Fracture Date: 1/11/2015 Frac Performed by: NABORS

12. Production Type:
O

13. Pool Code(s):
97056

14. Gross Fractured Interval:
9,032 ft to 12,932 ft

15. True Vertical Depth (TVD):
8,785 ft

16. Total Volume of Fluid Pumped:
3,622,668 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)
Water	OCCIDENTAL PETROLEUM	Water	Water	7732-18-5	100%	85.11419%
Acid Inhibitor 3M (AI-3M)	Nabors Completion and Production Services	Acid Corrosion Inhibitors	1-DECANOL	112-30-1	5%	0.00023%
			1-OCTANOL	111-87-5	2.5%	0.00011%
			2-Butoxyethanol	111-76-2	7%	0.00032%
			Cinnamaldehyde	104-55-2	6%	0.00027%
			Ethoxylated Nonyphenol	68412-54-4	5%	0.00023%
			Ethylene Glycol	107-21-1	40%	0.00181%
			Isopropyl Alcohol	67-63-0	2.5%	0.00011%
			N,N-Dimethylformamide	68-12-2	20%	0.00091%
HCl Acid (12.5%-18.0%)	Nabors Completion and Production Services	Bulk Acid	Triethyl Phosphate	78-40-0	2.5%	0.00011%
			20° Baume Hydrochloric Acid	7647-01-0	100%	0.06722%
ClayTreat LT	Nabors Completion and Production Services	Clay Control Additives	Water	7732-18-5	100%	0.06589%
			Water	7732-18-5	65%	0.05946%
OB-2	Nabors Completion and Production Services	Gel Breakers	Ammonium Persulfate	7727-54-0	100%	0.00924%
			Sillica, crystalline quartz	7631-86-9	10%	0.00092%
LSG-100	Nabors Completion and Production Services	Gelling Agents	guar gum	9000-30-0	50%	0.19877%
			Petroleum Distillates	64742-47-8	60%	0.23853%
			Surfactant	68439-51-0	2%	0.00795%
IC-100L	Nabors Completion and Production Services	Iron Control Additives	Citric Acid Anhydrous	77-92-9	50%	0.00244%
TX Specific 100 mesh Sand	Nabors Completion and Production Services	Sand - Bulk - Texas	Aluminum Oxide	1344-28-1	1.1%	0.00458%
			Crystalline Silica, quartz	14808-60-7	99.9%	0.41598%
			Iron Oxide	1309-37-1	0.1%	0.00042%
			Titanium Oxide	13463-67-7	0.1%	0.00042%
TX Specific 20/40 mesh Sand	Nabors Completion and Production Services	Sand - Bulk - Texas	Aluminum Oxide	1344-28-1	1.1%	0.10446%
			Crystalline Silica, quartz	14808-60-7	99.9%	9.48681%
			Iron Oxide	1309-37-1	0.1%	0.0095%
			Titanium Oxide	13463-67-7	0.1%	0.0095%
TX Specific 30/50 mesh Sand	Nabors Completion and Production Services	Sand - Bulk - Texas	Aluminum Oxide	1344-28-1	1.1%	0.00685%
			Crystalline Silica, quartz	14808-60-7	99.9%	0.62221%
			Iron Oxide	1309-37-1	0.1%	0.00062%
			Titanium Oxide	13463-67-7	0.1%	0.00062%
XL-11	Nabors Completion and Production Services	Cross-linkers	Ethylene Glycol	107-21-1	10%	0.00937%
			Potassium Hydroxide	1310-58-3	5%	0.00468%
			Potassium Metaborate	13709-94-9	30%	0.0281%
			Water	7732-18-5	75%	0.07026%
			Aliphatic Hydrocarbons	Proprietary	95%	0.00379%
Super GREEN SOLV-M	Nabors Completion and Production Services	Paraffin & Scale Additives	Dodecane	Proprietary	14%	0.00056%
			tetradecane	Proprietary	11%	0.00044%
			Tridecane	Proprietary	9%	0.00036%
			Undecane	Proprietary	8%	0.00032%
			Hemicellulase Enzyme	Proprietary	1%	4E-05%
Super TSC 2 LTS	Nabors Completion and Production Services	Paraffin & Scale Additives	AMINO METHYLENE PHOSPHONIC ACID SALT	68649-44-5	100%	0.00462%
Super OW 4	Nabors Completion and Production Services	Surfactants & Foamers	Methanol	67-56-1	100%	0.01704%
			2-Butoxyethanol	111-76-2	15%	0.00016%
			Fatty Amide, Sodium Salt	Proprietary	15%	0.00016%
AQUCAR DB 20	Nabors Completion and Production Services	Biocides	Glycerin	56-81-5	5%	5E-05%
			2,2-Dibromo-3-nitrilo-propionamide (DBNPA)	10222-01-2	20%	0.00442%
			Dibromoacetonitrile	3252-43-5	3%	0.00066%
			Polyethylene glycol	25322-68-3	54.5%	0.01205%
			Sodium bromide	7647-15-6	4%	0.00089%
Super Stim-340 E	Nabors Completion and Production Services	Surfactants & Foamers	Non-Hazardous Mixture	Proprietary	100%	0.17639%
Momentive Black Ultra 20/40	Nabors Completion and Production Services	Proppants - Manufactured - Momentive	Furfuryl Alcohol	98-00-0	1%	0.03391%
			Quartz (SiO2)	14808-60-7	100%	3.39129%

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: David Stewart

Date: 3/18/2015

E-mail Address: david_stewart@oxy.com

Title: Sr. Regulatory Advisor

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.