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.
30-015-40859

2. Well Name:
ROGERS #005

3. Well Number:
005

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:G Lot:G Section:23 Township:18S Range:26E
Feet from:2310 N/S Line:N
Feet from:1650 E/W Line:E

5. Bottom Hole Location:
Unit:G Lot:G Section:23 Township:18S Range:26E
Feet from:2310 N/S Line:N
Feet from:1650 E/W Line:E

6. latitude: 32.7342023598474 longitude: -104.349539111657

7. County:
Eddy

8. Operator Name and Address:
OXY USA INC
PO Box 4294
Houston 77210

9. OGRID: 16696

10. Phone Number: 713-366-5485

11. Last Fracture Date: 2/14/2014 Frac Performed by: NABORS

12. Production Type:
O

13. Pool Code(s):
3250

14. Gross Fractured Interval:
3,260 ft to 3,840 ft

15. True Vertical Depth (TVD):
4,038 ft

16. Total Volume of Fluid Pumped:
1,131,732 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%	93.5448%
HCl Acid (12.5%-18.0%)	Nabors Completion and Production Services	Bulk Acid	Hydrogen Chloride	7647-01-0	18%	0.1406%
Acid Inhibitor 3M (AI-3M)	Nabors Completion and Production Services	Acid Corrosion Inhibitors	1-DECANOL	112-30-1	5%	8E-05%
			1-OCTANOL	111-87-5	2.5%	4E-05%
			2-Butoxyethanol	111-76-2	7%	0.00011%
			Cinnamaldehyde	104-55-2	6%	0.0001%
			Ethoxylated Nonyphenol	68412-54-4	5%	8E-05%
			Ethylene Glycol	107-21-1	40%	0.00064%
			Isopropyl Alcohol	67-63-0	2.5%	4E-05%
			N,N-Dimethylformamide	68-12-2	20%	0.00032%
			Triethyl Phosphate	78-40-0	2.5%	4E-05%
KR-153SL	Nabors Completion and Production Services	Biocides	2,2-dibromo-3-nitrilopropionamide	10222-01-2	20%	0.00481%
			Polyethlyene-Glycol	25322-68-3	50%	0.01202%
WFR-5W	Nabors Completion and Production Services	Friction Reducer	Ethoxylated alcohol blend	Proprietary	5%	0.00384%
			Hydrotreated paraffinic solvent	64742-47-8	30%	0.02302%
Breaker FR	Nabors Completion and Production Services	Gel Breakers	Aliphatic Acid	Proprietary	20%	0.00229%
			ferrous sulfate	7782-63-0	20%	0.00229%
OB Breaker	Nabors Completion and Production Services	Gel Breakers	Ammonium Persulfate	7727-54-0	100%	0.00064%
LSG-100	Nabors Completion and Production Services	Gelling Agents	guar gum	9000-30-0	50%	0.01321%
			Petroleum Distillates	64742-47-8	60%	0.01585%
			Surfactant	68439-51-0	2%	0.00053%
Super OW 3	Nabors Completion and Production Services	Surfactants & Foamers	Dimethylcocoamine, bis(chloroethyl) ether, diquaternary ammonium salt	68607-28-3	60%	0.00041%
			Isopropyl Alcohol	67-63-0	60%	0.00041%
			Methanol	67-56-1	30%	0.0002%
TX Specific 30/50 mesh Sand	Nabors Completion and Production Services	Sand - Bulk - Texas	Aluminum Oxide	1344-28-1	1.1%	0.03031%
			Crystalline Silica, quartz	14808-60-7	99.9%	2.75265%
			Iron Oxide	1309-37-1	0.1%	0.00276%
			Titanium Oxide	13463-67-7	0.1%	0.00276%
TX Specific 40/70 mesh Sand	Nabors Completion and Production Services	Sand - Bulk - Texas	Aluminum Oxide	1344-28-1	1.1%	0.02812%
			Crystalline Silica, quartz	14808-60-7	99.9%	2.55345%
			Iron Oxide	1309-37-1	0.1%	0.00256%
			Titanium Oxide	13463-67-7	0.1%	0.00256%
Super Stim-240 E	Nabors Completion and Production Services	Surfactants & Foamers	Alcohol Ethoxylate Surfactants	Proprietary	20%	0.01868%
			Methyl Alcohol	67-56-1	20%	0.01868%
			Water	7732-18-5	80%	0.07472%
SUPER TSC-LTS	Nabors Completion and Production Services	Paraffin & Scale Additives	Water	7732-18-5	60%	0.01212%
IC-500	Nabors Completion and Production Services	Iron Control Additives	2-Mercaptoethanol or Thioglycol	60-24-2	75%	0.00184%
			Aqua Ammonia	1336-21-6	5%	0.00012%
			Cupric Chloride	10125-13-0	7%	0.00017%
Super GREEN SOLV-M	Nabors Completion and Production Services	Paraffin & Scale Additives	Aliphatic Hydrocarbons	Proprietary	95%	0.00155%
			Dodecane	Proprietary	14%	0.00023%
			tetradecane	Proprietary	11%	0.00018%
			Tridecane	Proprietary	9%	0.00015%
			Undecane	Proprietary	8%	0.00013%
EXP-F0829-13	Nabors Completion and Production Services	Gel Breakers	Hemicellulase Enzyme	Proprietary	1%	1E-05%

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: Jennifer Duarte Title: Regulatory Specialist

Date: 5/1/2014

E-mail Address: jennifer_duarte@oxy.com

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