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.
30-025-41257

2. Well Name:
LUSK 28 WEST FEDERAL COM #001H

3. Well Number:
001H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:O Lot:O Section:28 Township:19S Range:32E
Feet from:652 N/S Line:S
Feet from:2425 E/W Line:E

5. Bottom Hole Location:
Unit:O Lot:O Section:28 Township:19S Range:32E
Feet from:652 N/S Line:S
Feet from:2425 E/W Line:E

6. latitude: 32.6259131774687 longitude: -103.770483679457

7. County:
Lea

8. Operator Name and Address:
OCCIDENTAL PERMIAN LTD
PO Box 4294
Houston 77210

9. OGRID: 157984

10. Phone Number: 713-366-5485

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

12. Production Type:
O

13. Pool Code(s):
41460

14. Gross Fractured Interval:
9,780 ft to 13,230 ft

15. True Vertical Depth (TVD):
9,410 ft

16. Total Volume of Fluid Pumped:
1,415,568 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%	34.02203%
HCl Acid (12.5%-18.0%)	Nabors Completion and Production Services	Bulk Acid	Hydrogen Chloride	7647-01-0	18%	0.10902%
Acid Inhibitor 3M (AI-3M)	Nabors Completion and Production Services	Acid Corrosion Inhibitors	1-DECANOL	112-30-1	5%	6E-05%
			1-OCTANOL	111-87-5	2.5%	3E-05%
			2-Butoxyethanol	111-76-2	7%	9E-05%
			Cinnamaldehyde	104-55-2	6%	7E-05%
			Ethoxylated Nonyphenol	68412-54-4	5%	6E-05%
			Ethylene Glycol	107-21-1	40%	0.00049%
			Isopropyl Alcohol	67-63-0	2.5%	3E-05%
			N,N-Dimethylformamide	68-12-2	20%	0.00025%
			Triethyl Phosphate	78-40-0	2.5%	3E-05%
OB Breaker	Nabors Completion and Production Services	Gel Breakers	Ammonium Persulfate	7727-54-0	100%	0.00092%
LSG-100	Nabors Completion and Production Services	Gelling Agents	guar gum	9000-30-0	50%	0.06546%
			Petroleum Distillates	64742-47-8	60%	0.07856%
			Surfactant	68439-51-0	2%	0.00262%
Super LT Resin Activator	Nabors Completion and Production Services	Proppants - Manufactured	Isopropyl Alcohol	67-63-0	60%	0.01215%
			Proprietary	Proprietary	80%	0.0162%
Super OW 3	Nabors Completion and Production Services	Surfactants & Foamers	Dimethylcocoamine, bis(chloroethyl) ether, diquaternary ammonium salt	68607-28-3	60%	0.00032%
			Isopropyl Alcohol	67-63-0	60%	0.00032%
			Methanol	67-56-1	30%	0.00016%
TX Specific 20/40 mesh Sand	Nabors Completion and Production Services	Sand - Bulk - Texas	Aluminum Oxide	1344-28-1	1.1%	0.03971%
			Crystalline Silica, quartz	14808-60-7	99.9%	3.60613%
			Iron Oxide	1309-37-1	0.1%	0.00361%
			Titanium Oxide	13463-67-7	0.1%	0.00361%
TX Specific 30/50 mesh Sand	Nabors Completion and Production Services	Sand - Bulk - Texas	Aluminum Oxide	1344-28-1	1.1%	0.00638%
			Crystalline Silica, quartz	14808-60-7	99.9%	0.57941%
			Iron Oxide	1309-37-1	0.1%	0.00058%
			Titanium Oxide	13463-67-7	0.1%	0.00058%
XL-11	Nabors Completion and Production Services	Cross-linkers	Ethylene Glycol	107-21-1	10%	0.00594%
			Potassium Hydroxide	1310-58-3	5%	0.00297%
			Potassium Metaborate	13709-94-9	30%	0.01781%
			Water	7732-18-5	75%	0.04453%
Super Stim-240 E	Nabors Completion and Production Services	Surfactants & Foamers	Alcohol Ethoxylate Surfactants	Proprietary	20%	0.01309%
			Methyl Alcohol	67-56-1	20%	0.01309%
			Water	7732-18-5	80%	0.05238%
SUPER TSC-LTS	Nabors Completion and Production Services	Paraffin & Scale Additives	Water	7732-18-5	60%	0.00456%
IC-500	Nabors Completion and Production Services	Iron Control Additives	2-Mercaptoethanol or Thioglycol	60-24-2	75%	0.00143%
			Aqua Ammonia	1336-21-6	5%	0.0001%
			Cupric Chloride	10125-13-0	7%	0.00013%
Momentive SiberProp 20/40	Nabors Completion and Production Services	Proppants - Manufactured - Momentive	Crystalline Quartz, Silica	14808-60-7	89%	54.17468%
			phenolic resin	9003-35-4	20%	12.17409%
Super GREEN SOLV-M	Nabors Completion and Production Services	Paraffin & Scale Additives	Aliphatic Hydrocarbons	Proprietary	95%	0.00361%
			Dodecane	Proprietary	14%	0.00053%
			tetradecane	Proprietary	11%	0.00042%
			Tridecane	Proprietary	9%	0.00034%
			Undecane	Proprietary	8%	0.0003%
EXP-F0829-13	Nabors Completion and Production Services	Gel Breakers	Hemicellulase Enzyme	Proprietary	1%	2E-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

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.