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 February 15, 2012

1. WELL API NO.
30-015-40840

2. Well Name:
FEDERAL 12 #001H

3. Well Number:
001H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ **Original**

☐ **Amendment**

4. Surface Hole Location:
Unit:O Lot:O Section:1 Township:23S Range:30E
Feet from:1159 N/S Line:S
Feet from:1343 E/W Line:E

5. Bottom Hole Location:
Unit:O Lot:O Section:1 Township:23S Range:30E
Feet from:1159 N/S Line:S
Feet from:1343 E/W Line:E

6. latitude: 32.3299560412922 longitude: -103.829998392719

7. County:
Eddy

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: 3/12/2013 Frac Performed by: Halliburton

12. Production Type:
O

13. Pool Code(s):
50443

14. Gross Fractured Interval:
8,600 ft to 12,350 ft

15. True Vertical Depth (TVD):
7,685 ft

16. Total Volume of Fluid Pumped:
785,872 gals

17. **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%	81.32931%
HYDROCHLORIC ACID 15%	Halliburton	Solvent	Hydrochloric acid	7647-01-0	30%	0.36996%
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	9.52948%
CRC SAND	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	7.21002%
			Phenol / formaldehyde resin	9003-35-4	5%	0.3605%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00391%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.0001%
Cla-Web™	Halliburton	Additive	Ammonium salt	Confidential	60%	0.03696%
SCALECHEK LP-55 SCALE INHIBITOR	Halliburton	Scale Inhibitor	Polyacrylate	Confidential	60%	0.00967%
LoSurf-360W	Halliburton	Surfactant	Complex alkylamine	Confidential	5%	0.00511%
			Glycerine	56-81-5	10%	0.01022%
			Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy-	61827-42-7	30%	0.03065%
BC-200 UC	Halliburton	Crosslinker	Modified alkane	Confidential	60%	0.07242%
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.00309%
			Potassium metaborate	13709-94-9	60%	0.03712%
BA-40L BUFFERING AGENT	Halliburton	Buffer	Potassium carbonate	584-08-7	60%	0.02505%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.03121%
			Ethoxylated nonylphenol	Confidential	60%	0.03121%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.20233%

18. 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: 10/9/2013

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.