

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**

1. WELL API NO.
30-025-403752. Well Name:
LIGHTNING P-38 STATE #003H3. Well Number:
003H**HYDRAULIC FRACTURING FLUID DISCLOSURE** Original Amendment4. Surface Hole Location:
Unit:I Lot:I Section:1 Township:21S Range:33E
Feet from:1980 N/S Line:S
Feet from:330 E/W Line:E5. Bottom Hole Location:
Unit:L Lot:L Section:1 Township:21S Range:33E
Feet from:1951 N/S Line:S
Feet from:329 E/W Line:W6. Latitude: longitude:
32.5059895703408 -
103.518497164977. County:
Lea8. Operator Name and Address:
COG OPERATING LLC
550 W TEXAS
SUITE 1300
MIDLAND 797019. OGRID:
22913710. Phone
Number:

11. Last Fracture Date: 5/13/2012 Frac Performed by: Baker Hughes

12. Production Type:
O13. Pool Code(s):
553514. Gross Fractured Interval:
10,971 ft to 15,231 ft15. True Vertical Depth (TVD):
10,780 ft16. Total Volume of Fluid Pumped:
9 bbls**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)
Parasorb 5000	Baker Hughes	Paraffin Inhibitor	Calcined Diatomaceous Earth	91053-39-3	65%	46.1437983%
			White Mineral Oil	8042-47-5	30%	21.2971377%
			Proprietary Paraffin Inhibitor	Trade Secret	25%	17.7476147%
ScaleSorb 3	Baker Hughes	Scale Inhibitor	Diatomaceous Earth, Calcined	91053-39-3	100%	8.5317624%
			Amino Alkyl Phosphonic Acid	Trade Secret	30%	2.5595287%
			Phosphonic Acid	13598-36-2	1%	0.0853176%
			Crystalline Silica: Quartz (SiO ₂)	14808-60-7	1%	0.0853176%

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: Monti SandersPermitting / ROW
Title: TechnicianDate: 6/12/2012E-mail Address: msanders@concho.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.