well completion	State of New Mexico Energy, Minerals and Natural Resources				Revised February 15, 2012 1. WELL API NO. 30-025-40618			
	Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505				Well Name: STRATOSPHERE 36 STATE #001H 3. Well Number: 001H			
HYDRAULIC FRACTURING FLUID DISCLOSURE ☑ Original					Surface Hole Location: Unit:1 Lot:1 Section:36 Township:20S Range:34E Feet from:1980 N/S Line:S Feet from:50 E/W Line:E			
					Feet from: 1		N/S Line	
				-	Feet from:33	34	E/W Lin	e:W ongitude:
						2.5277504	851506	-
					7. County:	а		03.50522007797
8 Operator Name an	d Address				9. OGRID:		10 Phon	ne Number:
Operator Name and Address: COG OPERATING LLC					229137 432-685-4332			
	cho Center linois Ave 79701							
11. Last Fracture Date: 2/9/2013 Frac Performed by: Halliburton					12. Production Type:			
13. Pool Code(s):					14. Gross Fractured Interval:			
5535 15. True Vertical Depth (TVD):					11,100 ft to 15,460 ft 16. Total Volume of Fluid Pumped:			
10,672 ft			40 h 20 h 10 h 10 h 10 h 10 h 10 h 10 h 1			60,100 bbls		
17. HYDRAULIC FL Trade Name	UID COMPOS Supplier	Purpose	NCENTRATION:	ICAS:	#) Chemical	Maximum I	naradient	Maximum
rade name	оприст	Talpose	ingredients		act Service	Concentrat Additive (%	ion in	Ingredient Concentration in F Fluid (% by mass)
Fresh Water	Operator						100%	83.85219
FE ACID - <10% HCL	Halliburton		Hydrochloric acid	7647	-01-0		10%	0.236299
CRC Premium -	Halliburton		,				100%	13.14519
LOSURF-360W	Halliburton		21. 200	1	1000		100%	09
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	8174	1-28-8		10%	0.004179
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4			60%	0.021369
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information			60%	0.027719
FR-38	Halliburton	Friction	Acetic acid	64-19-7 Confidential Business Information			5%	0.000649
		Reducer	Ammonium sulfate Inorganic Salt				30%	0.003839
CL-22 UC	Halliburton	Crosslinker	Potassium formate	590-29-4			60%	0.024159
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3			5%	0.002389
			Potassium metaborate	13709-94-9			60%	0.02869
MO-67 D-AIR 3000L	Halliburton Halliburton	pH Control Additive Defoamer	Sodium hydroxide Alkenes	1310-73-2			30% 100%	0.009379
J-AIR 3000L	Hallibulton	Deloamer	Aireiles	Confidential Business Information 67762-90-7			100%	0.01303
			Silica, amorphous precipitated				30%	0.003919
SP BREAKER 3rd Party Scale	Halliburton Operator	Breaker *3rd Party	Sodium persulfate *Supplied by	7775-27-1			100% 100%	0.09879
nhibitor		Additive	Operator					
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7			100%	0.001349
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0			100%	0.216589
OPTIFLO-III DELAYED	Halliburton	Breaker	Ammonium persulfate	7727-54-0			100%	0.008469
RELEASE BREAKER			Crystalline silica, quartz	1480	8-60-7		30%	0.002549
Scalechek® SCP -2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3			100%	0.021919
3rd Party Additive	Operator	*3rd Party	*Supplied by				100%	0.021919

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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.