

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.
30-015-42134

2. Well Name:
JACK FEDERAL #004H

3. Well Number:
004H

4. Surface Hole Location:
Unit:B Lot:B Section:31 Township:25S Range:27E
Feet from:190 N/S Line:N
Feet from:2310 E/W Line:E

5. Bottom Hole Location:
Unit:O Lot:O Section:31 Township:25S Range:27E
Feet from:357 N/S Line:S
Feet from:2045 E/W Line:E

6. latitude:
32.0930483113895 longitude:
-104.228206184901

7. County:
Eddy

8. Operator Name and Address:
COG OPERATING LLC
One Concho Center
600 W. Illinois Ave
Midland 79701

9. OGRID:
229137

10. Phone Number:
432-685-4332

11. Last Fracture Date: 4/26/2014 Frac Performed by: Halliburton

12. Production Type:
O

13. Pool Code(s):
97818

14. Gross Fractured Interval:
7,749 ft to 11,690 ft

15. True Vertical Depth (TVD):
7,499 ft

16. Total Volume of Fluid Pumped:
4,551,813 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)
Fresh Water	Operator				100%	83.83569%
FE ACID - <10% HCL	Halliburton		Hydrochloric acid	7647-01-0	10%	0.17584%
PREMIUM - 20/40	Halliburton				100%	11.14657%
CRC-20/40	Halliburton				100%	2.80689%
LoSurf-360W	Halliburton	Surfactant	Complex alkylamine	Confidential Business Information	5%	0.0022%
			Glycerine	56-81-5	10%	0.00441%
			Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl- omega.-hydroxy-	61827-42-7	30%	0.01322%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00418%
Cla-Web™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.02806%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.03691%
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.03691%
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.00726%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.01134%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00209%
FDP-S591M-02	Halliburton	Scale Remover	Acetic acid	64-19-7	30%	0.00627%
			Acetic anhydride	108-24-7	30%	0.00627%
			Terpenes	Confidential Business Information	60%	0.01255%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.00932%
			Monoethanolamine borate	26038-87-9	100%	0.03108%
D-AIR 3000L	Halliburton	Defoamer	Alkenes	Confidential Business Information	100%	0.00447%
			Silica, amorphous precipitated	67762-90-7	30%	0.00134%
			Crystalline silica, quartz	14808-60-7	30%	0.00171%
			Walnut hulls	Mixture	100%	0.00569%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.1238%
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.01546%
Ingredients Listed Below This Line Are Part of the			1,2-Benzisothiazolin-3-one	2634-33-5	0%	0%
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt	915-67-3	0%	0%
			Acetic acid	64-19-7	0%	0%
			Acetic anhydride	108-24-7	0%	0%
			Alkane	Confidential Business Information	0%	0%
			Amine salts	Confidential Business Information	0%	0%
			Amine salts	Confidential Business Information	0%	0%
			Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%
			C.I. Pigment Red 5	6410-41-9	0%	0%
			Calcium chloride	10043-52-4	0%	0%
			Citric acid	77-92-9	0%	0%
			Crystalline Silica, Quartz	14808-60-7	0%	0%
			Cured acrylic resin	Confidential Business Information	0%	0%
			Cured acrylic resin	Confidential Business Information	0%	0%
			Enzyme	Confidential Business Information	0%	0%
			Enzyme	Confidential Business Information	0%	0%
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0%	0%
			Hydrogen peroxide	7722-84-1	0%	0%
			Nitrotriacetic acid, trisodium salt monohydrate	5064-31-3	0%	0%
			Polypropylene glycol	25322-69-4	0%	0%
			Quaternary amine	Confidential Business Information	0%	0%
			Quaternary amine	Confidential Business Information	0%	0%
			Quaternary amine	Confidential Business Information	0%	0%
			Silica gel	112926-00-8	0%	0%
			Sodium bicarbonate	144-55-8	0%	0%
			Sodium chloride	7647-14-5	0%	0%
			Sodium glycolate	2836-32-0	0%	0%
			Sodium hydroxide	1310-73-2	0%	0%
			Surfactant mixture	Confidential Business Information	0%	0%
			Surfactant mixture	Confidential Business Information	0%	0%
			Trimethylamine, N-oxide	1184-78-7	0%	0%
			Water	7732-18-5	0%	0%

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: Stormi Davis

Title: Regulatory Analyst

Date: 3/24/2015

E-mail Address: sdavis@conchoresources.com

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