

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.
30-025-40604

2. Well Name:
IGLOO 19 STATE #002H

3. Well Number:
002H

4. Surface Hole Location:
Unit:A Lot:A Section:19 Township:20S Range:35E
Feet from:200 N/S Line:N
Feet from:660 E/W Line:E

5. Bottom Hole Location:
Unit:A Lot:A Section:19 Township:20S Range:35E
Feet from:200 N/S Line:N
Feet from:660 E/W Line:E

6. latitude:
32.5653774381479 longitude:
-103.49018592986

7. County:
Lea

8. Operator Name and Address:
CAZA OPERATING, LLC
200 N LORRAINE
STE 1550
MIDLAND 79701

9. OGRID:
249099

10. Phone Number:
432-682-7424

11. Last Fracture Date:
12/6/2014 Frac Performed by:
Nabors Completion and Production Services

12. Production Type:
O

13. Pool Code(s):
37580

14. Gross Fractured Interval:
12,136 ft to 15,893 ft

15. True Vertical Depth (TVD):
11,570 ft

16. Total Volume of Fluid Pumped:
2,570,778 gals

17. Total Volume of Re-Use Water Pumped:
0 gals

18. Percent of Re-Use Water in Fluid Pumped:
%

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)			
HCL Acid (12.5%-18.0%)	Nabors Completion and Production Ser	Bulk Acid	20° Baume Hydrochloric Acid	7647-01-0	100%	0.273514%			
Acid Inhibitor 3M (AI-3M)	Nabors Completion & Production Ser	Acid Corrosion Inhibitors	Water	7732-18-5	100%	0.268098%			
			1-DECANOL	112-30-1	5%	9.2E-05%			
			1-OCTANOL	111-7-5	2.5%	4.6E-05%			
			2-Butoxyethanol	111-76-2	7%	0.000129%			
			Cinnamaldehyde	104-55-2	6%	0.00011%			
			Ethoxylated Nonyphenol	68412-54-4	5%	9.2E-05%			
			Ethylene Glycol	107-21-1	40%	0.000736%			
			Isopropyl Alcohol	67-63-0	2.5%	4.6E-05%			
			N,N-Dimethylformamide	68-12-2	20%	0.000368%			
			Triethyl Phosphate	78-40-0	2.5%	4.6E-05%			
			Polyethylene-Glycol	25322-68-3	1%	1.8E-05%			
			Tar Bases, quinoline Derivs, benzyl Chloride-quaternized water	72480-70-7	13%	0.000239%			
			KR-153SL	Nabors Completion & Production Ser	Biocides	2,2-dibromo-3-nitriopropionamide	1022-01-2	20%	0.001293%
			Clay Treat LT	Nabors Completion & Production Ser	Clay Control Additives	Polyethiyene-Glycol	25322-68-3	50%	0.003233%
water	7732-18-5	55%				0.033556%			
Ammonium, (2-Hydroxyethyl) trimethyl, Chloride	67-48-1	80%				0.023447%			
XL-11	Nabors Completion & Production Ser	Cross-Linker	Water	7732-18-5	65%	0.019051%			
			Ethylene Glycol	107-21-1	10%	0.003963%			
			Potassium Hydroxide	1310-58-3	5%	0.001982%			
OB-2	Nabors Completion & Production Ser	Gel Breaker	Potassium Metaborate	13709-94-9	30%	0.011889%			
			water	7732-18-5	75%	0.029723%			
			Ammonium Persulfate	7727-54-0	100%	0.001694%			
			Silica,crystalline quartz	7631-86-9	10%	0.000169%			
			Vinylidene chloride-methyl acrylate copolymer	25038-72-6	25%	0.000424%			
			Proprietary	Proprietary	0%	0.000299%			
EB-20L	Nabors Completion & Production Ser	Gel Breakers	Proprietary	Proprietary	0%	0.001348%			
			Hemicellulase Enzyme	Proprietary	1%	1.5E-05%			
LSG-100	Nabors Completion & Production Ser	Gelling Agents	guar gum	9000-30-0	50%	0.067862%			
			Petroleum Distillates	64742-47-8	60%	0.081434%			
			Surfactant	68439-51-0	2%	0.002714%			
			Crystalline Silica (in the form of Quartz)	14808-60-7	2%	0.002714%			
			Organophylic Clay	68953-58-2	2%	0.002714%			
			Citric Acid Anhydrous	77-92-9	50%	0.000994%			
Super Green Solvent-M	Nabors Completion & Production Ser	Paraffin & Scale Additives	water	7732-18-5	50%	0.000994%			
			Aliphatic Hydrocarbons	Proprietary	95%	0.005131%			
			Dodecane	Proprietary	14%	0.000756%			
			tetradecane	Proprietary	11%	0.000594%			
			Tridecane	Proprietary	9%	0.000486%			
			Undecane	Proprietary	8%	0.00432%			
			water	7732-18-5	0%	0.003204%			
			AMINO METHYLENE PHOSPHONIC Acid Salt	68649-44-5	0%	0.001447%			
			Methanol	67-56-1	0%	0.005339%			
			Super OW 4	Nabors Completion & Production Ser	Surfactants & Foamers	2-Butoxyethanol	111-76-2	15%	6.6E-05%
Fatty Amide, Sodium Salt	Proprietary	15%				6.6E-05%			
Glycerin	56-81-5	5%				2.2E-05%			
OMA-2	Nabors Completion & Production Ser	Surfactants & Foamers	water	7732-018-5	0%	0.01273%			
			Trade Secret Surfactant Blend	Proprietary	90%	0.022464%			
Imerys ProLite 20/40	Nabors Completion & Production Ser	Proppants-Manufactured	Amorphous Silica	76310-86-9	15%	10.647108%			
			Cristobalite	14464-46-1	30%	21.294216%			
			Mulite	1302-93-8	70%	49.686504%			
IMERYS ProLite 40/70	Nabors Completion & Production Ser	Proppants-Manufactured	Amorphous Silica	7631-86-9	15%	0.150786%			
			Cristobalite	14464-46-1	30%	0.301573%			
			Mulite	1302-93-8	70%	0.70367%			
Water	Caza Operating, LLC	Water	water	7732-18-5	100%	27.2181382%			
Acid Corrosion Inhibitors	Nabors Completion & Production Ser	Acid Corrosion Inhibitors	Polyethiyene-Glycol	25322-68-3	1%	1.8E-05%			
			Tar Bases, quinoline derivs, benzyl-quaternized water	67-48-1	80%	0.023447%			
Clay Control Additives	Nabors Completion & Production Ser	Clay Control Additives	ammonium, (2-Hydroxyethyl) trimethyl- chloride	67-48-1	80%	0.00046%			

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:
Richard Wright

Title:

Date:
12/12/2014

E-mail Address:
nwright@cazapetro.com

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