

Compare water/proppant used in well to other area/operator averages

Amount of frac job where chemical data withheld

Does the sum of all chemical rows come close to 100%

Can report suggestions or problem with this eFrac

Which of the 15 standardized purposes us used most?

Main ingredients only does not graph water, proppant or other chemicals

Very High
High
Average
Low
Very Low

Hovering inside the square tells user deviation from mean

Chemicals that could not be categorized in one of the fifteen standardized purposes

If mass not reported, we compute based on water volume and water percentage

Every change we make to a row is logged

Click on any chemical and get report on how it's been used over last 10 years in fracs

Click on any CAS and get detailed information on that chemical

We add remarks that help explain changes we make to each row, in needed

Molecular formula

Link to state site goes directly to API page

Fix county, if needed e.g. Desoto versus De Soto

Operator standardized

Total water percent added

Formula for pumper

All PDFs downloaded and stored on our server

Low water, etc. listed as suspicious

Calculate operator and county ranks

How many chemicals toxic?

How many chemicals & supplier rows did we fix?

Mass calculated by converting water to pounds first (8.33)

Greyed out when standardized purpose is not used in frac

List all formations reported to state

Use the eFrac TVD to determine producing formation

Hover over any field with a star to see reported value

When a supplier has high marketshare, we flag it with a "key" icon

Some CAS numbers cannot be solved using ingredient name

We do not show chemicals reported as 0% in original PDF

There are chemicals we cannot classify in one of the 15 standardized purposes, showing them in an "other" section

API: 17031251320000

[Click here for State Scout Ticket](#)

[Report a problem](#)

Frac Dates	2011-01-12 to 2011-01-12 (0 days)
State	Louisiana
County	De Soto
Operator Name	EOG Resources, Inc
Well Name & Number	Red River 4 #2 Alt
Geocoordinates	31.960638, -93.6048508 (nad27)
True Vertical Depth	16455 ft
Water Volume	6204282 gal (90.0%)
Non-Water Volume	
Pumper (Predicted)	Baker Hughes
Original Record	download pdf
Suspicious	
Operator Frac Count	1346 (#22 rank)
County Frac Count	869 (#40 rank)
Chemical Row Count	31
Toxic Row Count	0
Chemical Fixed Count	22 (61%)
Supplier Rows Updated	0

Water Usage

4834 lbs
Total Proprietary

Proppant Usage

100%
Total Ingredients

Purpose	Percentage
Acidizing	12.21%
Biocide	0%
Breaker	4.71%
Buffer	0.7%
Clay Control	0%
Corrosion Inhibitor	1.08%
Crosslinker	4.45%
Friction Reducer	12.6%
Gelling Agent	63.8
Iron Control	0.38%
Non-Emulsifier	0%
Scale Inhibitor	0%
Surfactant	0%
Not Categorized	0%

Purpose	Deviation
Acidizing	Very Low
Biocide	N/A
Breaker	Low
Buffer	Very Low
Carrier/Base Fluid	Average
Clay Control	N/A
Corrosion Inhibitor	Low
Crosslinker	Very Low
Friction Reducer	Low
Gelling Agent	Low
Iron Control	Very Low
Non-Emulsifier	N/A
Proppant	Average
Scale Inhibitor	N/A
Surfactant	N/A
Other	Not Calculated

Formations:	Ha (12022 ft)
Producing Formation:	Ha (12022 ft)

TRADENAME	SUPPLIER	PURPOSE	CAS	INGREDIENTS	OVERALL %	MASS (LBS)	FORMULA	REMARKS	ROW UPDATES
Water	EOG Resources	Carrier/Base Fluid	7732-18-5	Water	89.5895	51,681,668	H2O		12
Sand	Baker Hughes	Proppant	14808-60-7	Quartz-alpha (SiO2) ★	10.3754	5,985,277	O2Si		11

TRADENAME	SUPPLIER	PURPOSE	CAS	INGREDIENTS	OVERALL %	MASS (LBS)	FORMULA	REMARKS	ROW UPDATES
Hydrochloric Acid	Baker Hughes	Acidizing ★	7647-01-0	Hydrochloric acid	0.00168	969	ClH		12
Cl-31	Baker Hughes	Acidizing ★	67-56-1	Methanol	0.00001	6	CH4O		10
Cl-31	Baker Hughes	Acidizing ★	67-63-0	Isopropanol	0.00001	6	C3H8O		11
Cl-31	Baker Hughes	Acidizing ★	64-18-6	Formic acid	0.00008	46	CH2O2		11
Cl-31	Baker Hughes	Acidizing ★	60-24-2 ★	Organic sulfur compound	0.00001				
Cl-31	Baker Hughes	Acidizing ★	100765-57-9 ★	Polixetanium chloride ★	0.00001				
Cl-31	Baker Hughes	Acidizing ★	Proprietary	Other Salts ★	0.00004				
Cl-31	Baker Hughes	Acidizing ★	104-55-2 ★	Aromatic aldehyde	0.00004				
Cl-31	Baker Hughes	Acidizing ★	61791-002 ★	Other Fatty Acids ★	0.00004				
GBW-23L	Baker Hughes	Breaker ★	8042-47-5	White mineral oil, petroleum ★	0.00065				
GBW-23L	Baker Hughes	Breaker ★	1309-42-8	Magnesium hydroxide	0.00003				
GBW-23L	Baker Hughes	Breaker ★	14452-57-4	Magnesium peroxide	0.00003				
GBW-23L	Baker Hughes	Breaker ★	1309-48-4	Magnesium oxide	0.00003				
GBW-23L	Baker Hughes	Breaker ★	1310-58-3 ★	Potassium hydroxide	0.00011				
GBW-23L	Baker Hughes	Breaker ★	64-18-6	Formic acid	0.00017				
GBW-23L	Baker Hughes	Breaker ★	102-71-6	Triethanolamine	0.00020				
XLW-14	Baker Hughes	Crosslinker	71-23-8	1-Propanol	0.00007				
XLW-14	Baker Hughes	Crosslinker	23519-77-9 ★	N-propyl zirconate	0.00005				
XLW-32	Baker Hughes	Crosslinker	67-56-1	Methanol	0.00031	179	CH4O		10
XLW-32	Baker Hughes	Crosslinker	1303-86-2	Boric oxide	0.00007	40	BHO		11
FRW-14	Baker Hughes	Friction Reducer	64742-47-8	Distillates, petroleum, hydrotreated light ★	0.00176	1,015			8
FRW-14	Baker Hughes	Friction Reducer	64425-86-1 ★	Alcohols, C12-14, ethoxylated ★	0.00022	127			11
GW-4LDF	Baker Hughes	Gelling Agent ★	Proprietary	Miscellaneous Blends ★	0.00639	3,686		cas withheld	5
GW-4LDF	Baker Hughes	Gelling Agent ★	9000-30-0 ★	Guar gum, borate	0.00365	2,106		chesapeake zeros	8
Ferrotrol 800L	Baker Hughes	Iron Control	18662-53-8	Nitrioltriacetic acid trisodium monohydrate ★	0.00006	35	C6H8NNa3O7		11

TRADENAME	SUPPLIER	PURPOSE	CAS	INGREDIENTS	OVERALL %	MASS (LBS)	FORMULA	REMARKS	ROW UPDATES
NE-118	Baker Hughes	Non emulsifying agent	67-63-0	Isopropanol	0.00001	6	C3H8O		12
InFlo 250W	Baker Hughes	Surface tension reducer	68439-51-0 ★	Surfactant Mixture	0.00185	1,067		trade secret version cas withheld	7
InFlo 250W	Baker Hughes	Surface tension reducer	111-76-2 ★	2-Butoxyethanol	0.00046	265	C6H14O2	chesapeake zeros	10
InFlo 250W	Baker Hughes	Surface tension reducer	67-56-1 ★	Methanol	0.00069	398	CH3OH;CH4O	chesapeake zeros	10