

# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	7/27/2015
Job End Date:	8/14/2015
State:	Texas
County:	Reagan
API Number:	42-383-39266-00-00
Operator Name:	Pioneer Natural Resources
Well Name and Number:	UNIVERSITY 2-20 64H
Longitude:	-101.74493700
Latitude:	31.28181100
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	8,522
Total Base Water Volume (gal):	14,865,564
Total Base Non Water Volume:	0



## Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Pioneer Natural Resources	Carrier/Base Fluid					
			Water	7732-18-5	100.00000	92.89028	
SAND (WHOLE GRAIN)	Pioneer Natural Resources Pumping Services LLC	Proppant					
			Crystalline Silica Quartz	14808-60-7	99.50000	6.72305	
Hydrochloric Acid, 33-40%	Pioneer Natural Resources Pumping Services LLC	Stimulation					
			Water	7732-18-5	67.00000	0.06803	
			Hydrogen chloride	7647-01-0	40.00000	0.04061	
FLOJET DR 6250	Pioneer Natural Resources Pumping Services LLC	Friction Reducer					
			Isoparaffinic Solvent	64742-47-8	26.00000	0.01066	
			Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	3.00000	0.00123	
POLYstim SI-110N Scale Inhibitor	Pioneer Natural Resources Pumping Services LLC	Scale Inhibitor					
			Proprietary blend	Proprietary	30.00000	0.00761	PfP Technology, 14227 Fern, Houston, TX 77079. Contact: Mo Hossain, 281-584-0047

StimOil ENHF	Pioneer Natural Resources Pumping Services LLC	Surfactant					
			Citrus terpenes - CESI	68647-72-3	5.00000	0.00580	
			Isopropyl alcohol	67-63-0	1.50000	0.00174	
StimLube W	Pioneer Natural Resources Pumping Services LLC	Friction Reducer					
			Hydrotreated Light Distillate	64742-47-8	30.00000	0.00686	
B-1203 Biocide	Pioneer Natural Resources Pumping Services LLC	Biocide					
			Glutaraldehyde	111-30-8	12.50000	0.00505	
			Didecyl dimethyl ammonium chloride	68424-85-1	1.80000	0.00073	
			Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chloride	7173-51-5	1.20000	0.00048	
X-Corr HT-W	Pioneer Natural Resources Pumping Services LLC	Corrosion Inhibitor					
			2-Butoxy ethanol	111-76-2	60.00000	0.00163	
			Aromatic Aldehyde	Proprietary	30.00000	0.00081	Nalco Champion, 3200 SW Freeway, Suite 2700, Houston, TX 77027. Contact: Michael Powell, 713-627-9011
			Fatty alcohol Ethoxylate	Proprietary	5.00000	0.00014	Nalco Champion, 3200 SW Freeway, Suite 2700, Houston, TX 77027. Contact: Michael Powell, 713-627-9011
VERSENE 100 Chelating Agent Liquid	Pioneer Natural Resources Pumping Services LLC	Scale Inhibitor					
			Water	7732-18-5	56.00000	0.00125	
			tetrasodium ethylenediamine tetraacetate	64-02-8	39.00000	0.00087	
			Sodium hydroxyacetate	2836-32-0	3.00000	0.00007	
			Sodium Hydroxide	1310-73-2	1.60000	0.00004	
			Nitrilotriacetate, trisodium salt (NTA)	5064-31-3	1.00000	0.00002	
Sodium Erythorbate	Pioneer Natural Resources Pumping Services LLC	Iron Control					
			Sodium erythorbate	6381-77-7	100.00000	0.00077	
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.							
		Other Chemicals					
			Water - TS	7732-18-5		0.08124	
			Propylene glycol - TS	67-55-6		0.03482	
			Polyamine Polyethers - TS	Proprietary		0.03482	CESI Chemical, 1004 S. Plainsman Road, Marlow, OK 73055. Contact: Jason White, 580-658-6608
			Water - TS	7732-18-5		0.03372	

			Acrylamide Polymer - TS	Proprietary		0.02285	CESI Chemical, 1004 S. Plainsman Road, Marlow OK, 73055. Contact: Jason White, 580-658-6608
			Water - TS	7732-18-5		0.02283	
			Copolymer of acrylamide and sodium acrylate - TS	25987-30-8		0.01435	
			Water - TS	7732-18-5		0.01435	
			Nonionic Alkoxylate - TS	Proprietary		0.01161	CESI Chemical, 1004 S. Plainsman Road, Marlow, OK 73055. Contact: Jason White, 580-658-6608
			Surfactants - TS	Proprietary		0.00580	CESI Chemical, 1004 S. Plainsman Road, Marlow OK, 73055. Contact: Jason White, 580-658-6608
			Surfactant - TS (SNF)	Proprietary		0.00246	SNF Oil and Gas, 1 Chemical Plant Road, Riceboro, GA 31323. Contact: Ruben Weston, 912-884-3366
			Fatty amino compound salt - TS	Proprietary		0.00135	Nalco Champion, 3200 SW Freeway, Suite 2700, Houston, TX 77027. Contact: Michael Powell, 713-627-9011
			Ethoxylated alcohols - TS	Proprietary		0.00081	Nalco Champion, 3200 SW Freeway, Suite 2700, Houston, TX 77027. Contact: Michael Powell, 713-627-9011
			Ethanol - TS	64-17-5		0.00040	
			Water - TS	7732-18-5		0.00014	
			Methanol - TS	67-56-1		0.00003	
			Acetophenone - TS	98-86-2		0.00003	
			Formaldehyde - TS	50-00-0		0.00000	

\* Total Water Volume sources may include fresh water, produced water, and/or recycled water

\*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	7/27/2015
Job End Date:	8/14/2015
State:	Texas
County:	Reagan
API Number:	42-383-39266-00-00
Operator Name:	Pioneer Natural Resources
Well Name and Number:	UNIVERSITY 2-20 64H
Longitude:	-101.74493700
Latitude:	31.28181100
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	8,522
Total Base Water Volume (gal):	14,865,564
Total Base Non Water Volume:	0



## Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Pioneer Natural Resources	Carrier/Base Fluid	Water	7732-18-5	100.00000	92.89028	
SAND (WHOLE GRAIN)	Pioneer Natural Resources Pumping Services LLC	Proppant	Crystalline Silica Quartz	14808-60-7	99.50000	6.72305	
Hydrochloric Acid, 33-40%	Pioneer Natural Resources Pumping Services LLC	Stimulation	Water	7732-18-5	67.00000	0.06803	
			Hydrogen chloride	7647-01-0	40.00000	0.04061	
FLOJET DR 6250	Pioneer Natural Resources Pumping Services LLC	Friction Reducer	Isoparaffinic Solvent	64742-47-8	26.00000	0.01066	
			Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	3.00000	0.00123	
POLYstim SI-110N Scale Inhibitor	Pioneer Natural Resources Pumping Services LLC	Scale Inhibitor	Proprietary blend	Proprietary	30.00000	0.00761	PIP Technology, 14227 Fern, Houston, TX 77079. Contact: Mo Hossain, 281-584-0047

StimOil ENHF	Pioneer Natural Resources Pumping Services LLC	Surfactant					
			Citrus terpenes - CESI	68647-72-3	5.00000	0.00580	
			Isopropyl alcohol	67-63-0	1.50000	0.00174	
StimLube W	Pioneer Natural Resources Pumping Services LLC	Friction Reducer					
			Hydrotreated Light Distillate	64742-47-8	30.00000	0.00686	
B-1203 Biocide	Pioneer Natural Resources Pumping Services LLC	Biocide					
			Glutaraldehyde	111-30-8	12.50000	0.00505	
			Didecyl dimethyl ammonium chloride	68424-85-1	1.80000	0.00073	
			Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chloride	7173-51-5	1.20000	0.00048	
X-Corr HT-W	Pioneer Natural Resources Pumping Services LLC	Corrosion Inhibitor					
			2-Butoxy ethanol	111-76-2	60.00000	0.00163	
			Aromatic Aldehyde	Proprietary	30.00000	0.00081	Nalco Champion, 3200 SW Freeway, Suite 2700, Houston, TX 77027. Contact: Michael Powell, 713-627-9011
			Fatty alcohol Ethoxylate	Proprietary	5.00000	0.00014	Nalco Champion, 3200 SW Freeway, Suite 2700, Houston, TX 77027. Contact: Michael Powell, 713-627-9011
VERSENE 100 Chelating Agent Liquid	Pioneer Natural Resources Pumping Services LLC	Scale Inhibitor					
			Water	7732-18-5	56.00000	0.00125	
			tetrasodium ethylenediamine tetraacetate	64-02-8	39.00000	0.00087	
			Sodium hydroxyacetate	2836-32-0	3.00000	0.00007	
			Sodium Hydroxide	1310-73-2	1.60000	0.00004	
			Nitrilotriacetate, trisodium salt (NTA)	5064-31-3	1.00000	0.00002	
Sodium Erythorbate	Pioneer Natural Resources Pumping Services LLC	Iron Control					
			Sodium erythorbate	6381-77-7	100.00000	0.00077	
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS							
		Other Chemicals					
			Water - TS	7732-18-5		0.08124	
			Propylene glycol - TS	57-55-6		0.03482	
			Polyamine Polyethers - TS	Proprietary		0.03482	CESI Chemical, 1004 S. Plainsman Road, Marlow, OK 73055. Contact: Jason White, 580-658-6608
			Water - TS	7732-18-5		0.03372	



			Acrylamide Polymer - TS	Proprietary		0.02285	CESI Chemical, 1004 S. Plainsman Road, Marlow OK, 73055. Contact: Jason White, 580-658-6608
			Water - TS	7732-18-5		0.02283	
			Copolymer of acrylamide and sodium acrylate - TS	25987-30-8		0.01435	
			Water - TS	7732-18-5		0.01435	
			Nonionic Alkoxylate - TS	Proprietary		0.01161	CESI Chemical, 1004 S. Plainsman Road, Marlow, OK 73055. Contact: Jason White, 580-658-6608
			Surfactants - TS	Proprietary		0.00580	CESI Chemical, 1004 S. Plainsman Road, Marlow OK, 73055. Contact: Jason White, 580-658-6608
			Surfactant - TS (SNF)	Proprietary		0.00246	SNF Oil and Gas, 1 Chemical Plant Road, Riceboro, GA 31323. Contact: Ruben Weston, 912-884-3366
			Fatty amino compound salt - TS	Proprietary		0.00135	Nalco Champion, 3200 SW Freeway, Suite 2700, Houston, TX 77027. Contact: Michael Powell, 713-627-9011
			Ethoxylated alcohols - TS	Proprietary		0.00081	Nalco Champion, 3200 SW Freeway, Suite 2700, Houston, TX 77027. Contact: Michael Powell, 713-627-9011
			Ethanol - TS	64-17-5		0.00040	
			Water - TS	7732-18-5		0.00014	
			Methanol - TS	67-56-1		0.00003	
			Acetophenone - TS	98-86-2		0.00003	
			Formaldehyde - TS	50-00-0		0.00000	

\* Total Water Volume sources may include fresh water, produced water, and/or recycled water

\*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

## Hydraulic Fracturing Fluid Product Component Information Disclosure

Fracture Start Date:	7/27/2010
Fracture End Date:	8/14/2011
State:	TEXAS
County:	REAGAN
API Number:	4334390960
Operator Name:	Pioneer Natural Resources
Well Name and Number:	UNIVERSITY 2-20-04H
Longitude:	-101.744837
Latitude:	31.261891
Long/Lat Projection:	NAD83
Production Type:	Oil
True Vertical Depth (TVD):	8,322
Total Water Volume (gall):	14,885,584

## Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration In Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments	UoM	Amount of Additive Pumped	Volume of Additive Pumped (gal)	Mass of Additive Pumped (lbs)	Specific Gravity	Total Mass of Ingredient Pumped (lbs)	ESS Reference	
Water	Pioneer Natural Resources	Carrier Base Fluid	Water	7732-18-5	100.00%	0.0000%									
SAND/WHOLE GRAIN	Pioneer Natural Resources Pump	Proppant	Crystalline Silica Quartz	14858-40-7	99.50%	0.0000%				14885584.00	17,383,148.12	1.56	12,383,148.12	ALV0055	
Goil Oil	Pioneer Natural Resources Pump	Surfactant	Other terpenes - C15	88647-73-3	5.00%	0.00580%				28313604.31	30,073,94.00	2.85	8962357.63	ALV0055	
			Isopropyl alcohol	67-63-0	1.50%	0.00174%				18208.00	154714.50	1.62	7735.73	HF00185	
Hydrochloric Acid, 33-45	Pioneer Natural Resources Pump	Stimulation	Hydrogen chloride	7647-01-0	40.00%	0.04081%					13782.00	135353.69	1.18	54141.50	ALV0050
			Water	7732-18-5	57.00%	0.0000%								56897.17	
FLUORENOL DR 8250	Pioneer Natural Resources Pump	Friction Reducer	Alcohols, C11-14 iso- C13-rich, ethoxylated	78336-21-8	3.00%	0.00123%				6247.50	54839.36	1.05	1639.18	HF00186	
			Naphthalene Solvent	84742-47-8	26.00%	0.01068%									
B-1203 Biocide	Pioneer Natural Resources Pump	Biocide	2-Butoxyethanol, 40% C12, 10% C16	108-27-1	1.20%	0.00548%								14208.24	
			Diethyl dimethyl ammonium chloride	58424-85-1	1.80%	0.00073%				8155.00	53834.71	1.05	848.02	HF00187	
			Alkanaldehyde	111-30-8	17.50%	0.0000%								969.02	
POLYSEM 55-115W Scale	Pioneer Natural Resources Pump	Scale Inhibitor	Proprietary blend		30.00%	0.00161%	HP Technology, 24127 Fern, Houston, TX 77059 Contact: Mo Hassan, 28		3759.00		33817.47	1.08	10145.24	HF00204	
StimLube W	Pioneer Natural Resources Pump	Friction Reducer	Hydrogenated Light Dioleate	84742-47-8	30.00%	0.00086%			3500.00		30488.98	1.05	8140.09	HF00080	
E-Core RT-W	Pioneer Natural Resources Pump	Corrosion Inhibitor	2-Butoxyethanol	111-75-2	60.00%	0.00163%			447.00		3611.80	0.97	2167.08	HF00159	
			Aromatic Aldehyde		30.00%	0.00081%	Nalco Champion, 3200 SW Freeway, Suite 2700, Houston, TX 77027 Contact: Michael Powell, 713-437-8011						1083.54		
VERSENE 100 Chelating	Pioneer Natural Resources Pump	Scale Inhibitor	Fatty alcohol Ethoxylate		5.00%	0.00114%	Nalco Champion, 3200 SW Freeway, Suite 2700, Houston, TX 77027 Contact: Michael Powell, 713-437-8011						180.55		
			Nitrotriacetate, strontium salt (NTA)	5054-31-3	1.00%	0.00002%			272.00		2968.15	1.31	29.50	HF00175	
			Sodium Hydrosulfide	1310-73-2	1.00%	0.00004%							47.40		
			Sodium Hydroxyacetate	2626-32-0	1.00%	0.00007%							89.04		
			Sodium ethylenediamine tetraacetate	64-20-8	79.00%	0.00047%							1157.58		
Sodium Erythorbate	Pioneer Natural Resources Pump	Iron Control	Water	7732-18-5	56.00%	0.00135%							1662.16		
			Sodium erythorbate	6381-77-7	100.00%	0.00037%			7587.44		1021.00	1.20	1021.00	TH1166	
Ingredients Listed Below															
			Water - TS	7732-18-5		0.08114%							106300.21	HF00185	
			Polysiloxane Polyphosphors - TS			0.03462%	CSI Chemical, 1004 S. Plasmann Road, Marlow, OK 73055 Contact: Jason White, 580-658-6608						46414.38	HF00185	
			Propylene glycol - TS	57-35-8		0.03462%							46414.38	HF00185	
			Water - TS	7732-18-5		0.03372%							44951.98	HF00187	
			Acrylamide Polymer - TS			0.02285%	CSI Chemical, 1004 S. Plasmann Road, Marlow, OK 73055 Contact: Jason White, 580-658-6608						30488.98	HF00080	
			Water - TS	7732-18-5		0.02285%							30435.72	HF00024	
			Copolymer of acrylamide and sodium acrylate	25187-35-8		0.01435%							19123.78	HF00186	
			Water - TS	7732-18-5		0.01435%							19123.78	HF00186	
			Monosonic Alkoxylate - TS			0.01181%	CSI Chemical, 1004 S. Plasmann Road, Marlow, OK 73055 Contact: Jason White, 580-658-6608						19471.46	HF00185	
			Surfactants - TS			0.00580%	CSI Chemical, 1004 S. Plasmann Road, Marlow, OK 73055 Contact: Jason White, 580-658-6608						7735.73	HF00185	
			Surfactant - TS (SH)			0.00248%	DNF Oil and Gas, 1 Chemical Plant Road, Biscayne, GA 31313 Contact: Ruben Winton, 917-884-1965						3279.36	HF00188	
			Fatty amino compound salt - TS			0.00130%	Nalco Champion, 3200 SW Freeway, Suite 2700, Houston, TX 77027 Contact: Michael Powell, 713-437-8011						1805.80	HF00159	
			Thioalcohol - TS			0.00081%	Nalco Champion, 3200 SW Freeway, Suite 2700, Houston, TX 77027 Contact: Michael Powell, 713-437-8011						1083.54	HF00159	
			Formaldehyde - TS	50-00-0		0.00047%							538.36	HF00187	
			Water - TS	7732-18-5		0.00144%							180.55	HF00159	
			Acetophenone - TS	98-66-3		0.00033%							38.12	HF00159	
			Methanol - TS	67-58-1		0.00033%							38.12	HF00159	
			Formaldehyde - TS	50-00-0		0.0000%							3.61	HF00159	
* Total Water Volume SOURCES may include fresh water, recycled water, and/or captured water															

\* Total Water Volume sources may include fresh water, produced water, and/or recycled water

\*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

All component information listed was obtained from the supplier's Material Safety Data sheets (MSDS). As such, the Operator is not responsible for inaccurate and/or incomplete information. Any questions regarding the content of the MSDS should be directed to the supplier who provided it. The Occupational Safety and Health Administration's (OSHA) regulations govern the criteria for the disclosure of this information. Please note that Federal Law protects "proprietary", "trade secret", and "confidential business information" and the criteria for how this information is reported on an MSDS is subject to 29 CFR 1910.1200(f) and Appendix D.

# PIONEER

## NATURAL RESOURCES PUMPING SERVICES LLC

Remit to: Pioneer Natural Resources Pumping Services LLC  
5205 N. O'Connor Blvd, Suite 200  
Irving, TX 75039-3746

Invoice#:	1446732	Representative:	
Well Name:	UNIVERSITY 2-20 #64H ✓	Start(M/D/Y):	07-27-2015 ✓
Job Type:	FRAC CASING	Release(M/D/Y):	08-14-2015 ✓
Field:	BIG LAKE AREA	Job Days:	9.5
Invoice Date:		AFE: 035063	For Accounting Purposes: 927351-064

Services								
Part #	Description	T	Quantity	UOM	Quantity2	UOM2	Unit Price	Total Cost
BF00710	Automated Blender, 71 - 80 BPM (2 hr min)	X	0.5	ea	1	ea	889.029	444.51
BF00711	Automated Blender, 71 - 80 BPM, Additional hrs	X	92.5	hr	1	ea	198.9484	18,402.73
ES20000	Frac Manifold Trailer	X	93.5	hr	1	ea	267.2286	24,985.87
ES24000	Chemical Van	X	9.5	day	1	ea	48.0041	456.04
ES25000	Chemical Float	X	9.5	day	3	ea	48.0041	1,368.12
ES26000	Iron Truck	X	9.5	day	1	ea	177.8058	1,689.16
ES31000	Sand Silo 40 ton (first two days)	X	0.5	ea	8	ea	407.255	1,629.02
ES31001	Sand Silo 40 ton additional days	X	8.5	day	8	ea	129.975	8,838.30
ES32000	Prop Transfer belt (first two days)	X	0.5	ea	2	ea	188.3771	188.38
ES32001	Prop Transfer belt additional days	X	8.5	day	2	ea	86.65	1,473.05
FS10001	Prop Pump Charge 20-40 or smaller mesh sand	X	90,073.94	cwt			0.181965	16,390.31
FS20006	Non Viscous Fluid Serv >1,000,000 gallons	X	10,665,774	gal			0.012131	129,386.50
HF00710	Hydration Unit, 71 - 80 BPM (2 hr min)	X	0.5	ea	1	ea	1,389.6927	694.85
HF00711	Hydration Unit, 71 - 80 BPM, Additional hrs	X	92.5	hr	1	ea	272.885112	25,241.87
MD10000	Proppant Delivery Charge- Frac		65	mi	4,503.697	ton	0.315406	92,332.05
MD20000	Heavy Vehicle round trip milage	X	65	mi	22	ea	1.194037	1,707.47
MD20001	Light Vehicle Mileage (Round Trip per unit)	X	65	mi	2	ea	0.701865	91.24
MF10000	Frac Monitoring, Computerized	X	42	stage			340.8811	14,317.01
PF60010	Pump, Frac 6,001-7,000 psi (2 hr min)	X	0.5	ea	12,205.57	HHP	2.008547	12,257.73
PF60011	Pump, Frac 6,001-7,000 psi, Additional hr	X	92.5	hr	12,205.57	HHP-hp	0.791981	894,158.61
SP10001	Supervisor	X	93.5	hr	2	ea	27.29475	5,104.12
SP10002	Wellsite Job coordinator	X	9.5	day	0.16	ea	389.925	592.69
SP10003	Equipment Operator/Technician	X	93.5	hr	20	ea	15.4237	28,842.32
TF00010	Acid Transport (four hour minimum)	X	93.5	hr	2	ea	15.4237	2,884.23
							<b>Services Subtotal</b>	<b>\$1,283,476.18</b>

Materials								
Part #	Reference Code	Description	T	Quantity	UOM	Quantity2	UOM2	Total Cost
10024146	FR10001	FRICTION REDUCER - STIM LUBE W		3,500	gal ✓			23,722.17
10024207	HA0000B	ACID BLENDING CHARGE		34,047	gal ✓			16,225.95
10024212	HA00036	HYDROCHLORIC ACID 31-36% HCL		13,782	gal ✓			34,847.06



Materials									
Part #	Reference Code	Description	T	Quantity	UOM	Quantity2	UOM2	Unit Price	Total Cost
10035419	NH50003	IRON STABILIZER, ERYTHORBIC ACID PL-58		1,021	lbs ✓			2.646291	2,701.86
10035473	SB04070	SAND, STANDARD (BROWN), 40-70 MESH		90,073.94	cwt ✓			4.478072	403,357.59
10063105		CORROSION INHIBITOR, CORSITECH X-CORR HT-W		447	gal ✓			28.5945	12,781.74
10066185		VERSENE 100-EDTA LIQUID		272	gal ✓			14.500011	3,944.00
10067867		STIMOIL ENHF		18,209	gal ✓			12.40828	225,942.37
10068217		FRICTION REDUCER FLOJET DR 6250		6,247	gal ✓			6.056835	37,837.05
10068371		(BI123) BIOCID, AQUASERV B-1203		6,155	gal ✓			15.588335	95,946.20
10068663		SCALE INHIBITOR POLYSTIM SI-110N		3,759	gal ✓			7.95447	29,900.85
								<b>Materials Subtotal</b>	<b>\$887,206.84</b>

Undiscounted Items								
Part #	Description	T	Quantity	UOM	Quantity2	UOM2	Unit Price	Total Cost
MD20007	DOT Vehicle Charge	X	0.5	ea	22	ea	261.9	2,880.90
TF00000	Fuel Transport (non-discounted charge)	X	93.5	hr			89	8,321.50
					Undiscounted Items Subtotal			\$11,202.40

#### Comments

TX Oil Well Services Tax

**\$29,096.79**

**Job Total** **\$2,210,982.21**

Approved By Supervisor:

Print Name:

\_\_\_\_\_

Approved By Company Man:

Print Name:

\_\_\_\_\_

Job Number	1446712
Fish	Purpurina
Well Type	Coast
Well Classification	Open

$$\begin{array}{r} 353.942 \\ \times 42 \\ \hline 14805.504 \checkmark \end{array}$$
[illegible]

Frac Date	State	County	Well Name	API/UWI	Longitude (°)	Latitude (°)
7/27/2015	TEXAS	REAGAN	UNIVERSITY 2-20 64H	42-383-39266-0000	-101.744937	31.281811
Max TVD (ftKB)						8,522.17
Phase		Step		Actual Start Date	Actual End Date	
STIM		OPS		7/27/2015	8/14/2015	