

Submit In Quadruplicate To:

**MONTANA BOARD OF OIL AND GAS CONSERVATION**  
2535 ST. JOHNS AVENUE  
BILLINGS, MONTANA 59102

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**JUN 11 2018**

**SUNDRY NOTICES AND REPORT OF WELLS**

MONTANA BOARD OF OIL &  
GAS CONSERVATION - BILLINGS


Operator <b>WHITE ROCK OIL AND GAS, LLC</b>		Lease Name: <b>ANVIK</b>
Address <b>5810 Tennyson Parkway, Suite 500</b>		Type (Private/State/Federal/Tribal/Allotted): <b>PRIVATE</b>
City <b>PLANO</b>	State <b>TX</b>	Well Number: <b>16-18H</b>
Zip Code <b>75024</b>		
Telephone <b>303-309-1655</b>	Fax	Unit Agreement Name:
Location of well (1/4-1/4 section and footage measurements): SURFACE LOC: 400' FSL 660' FEL (SE/SE) BOTTOM HOLE LOC: 713' FNL 1957' FEL (NW/NE)		Field Name or Wildcat: <b>WILDCAT</b>
API Number: <b>25   083   22386</b>	Well Type (oil, gas, injection, other): <b>Oil Well</b>	Township, Range, and Section: <b>Section 18 T22N R58E</b>
State <b>TX</b>	County <b>083</b>	County: <b>RICHLAND COUNTY</b>
	Well <b>22386</b>	

Indicate below with an X the nature of this notice, report, or other data:

Notice of Intention to Change Plans	<input type="checkbox"/>	Subsequent Report of Mechanical Integrity Test	<input type="checkbox"/>
Notice of Intention to Run Mechanical Integrity Test	<input type="checkbox"/>	Subsequent Report of Stimulation or Treatment	<input type="checkbox"/>
Notice of Intention to Stimulate or to Chemically Treat	<input type="checkbox"/>	Subsequent Report of Perforation or Cementing	<input type="checkbox"/>
Notice of Intention to Perforate or to Cement	<input type="checkbox"/>	Subsequent Report of Well Abandonment	<input type="checkbox"/>
Notice of Intention to Abandon Well	<input type="checkbox"/>	Subsequent Report of Pulled or Altered Casing	<input type="checkbox"/>
Notice of Intention to Pull or Alter Casing	<input type="checkbox"/>	Subsequent Report of Drilling Waste Disposal	<input type="checkbox"/>
Notice of Intention to Change Well Status	<input type="checkbox"/>	Subsequent Report of Production Waste Disposal	<input type="checkbox"/>
Supplemental Well History	<input type="checkbox"/>	Subsequent Report of Change in Well Status	<input type="checkbox"/>
Other (specify) <u>RE-FRAC</u>	<input checked="" type="checkbox"/>	Subsequent Report of Gas Analysis (ARM 36.22.1222)	<input type="checkbox"/>

**Describe Proposed or Completed Operations:**

Describe planned or completed work in detail. Attach maps, well-bore configuration diagrams, analyses, or other information as necessary. Indicate the intended starting date for proposed operations or the completion date for completed operations.  
White Rock Oil & Gas, LLC submits the attached procedure, treatment information and well-bore diagram for approval to Re-frac the subject well.

BOARD USE ONLY	
Approved <b>JUN 12 2018</b>	Date
	Name
<b>Petroleum Engineer</b>	Title

The undersigned hereby certifies that the information contained on this application is true and correct:

**6/7/2018** 

Date \_\_\_\_\_ Signed (Agent) \_\_\_\_\_

**Kaitlyn Cook - Regulatory Analyst**

Print Name and Title \_\_\_\_\_

Telephone: \_\_\_\_\_ **303-309-1655**

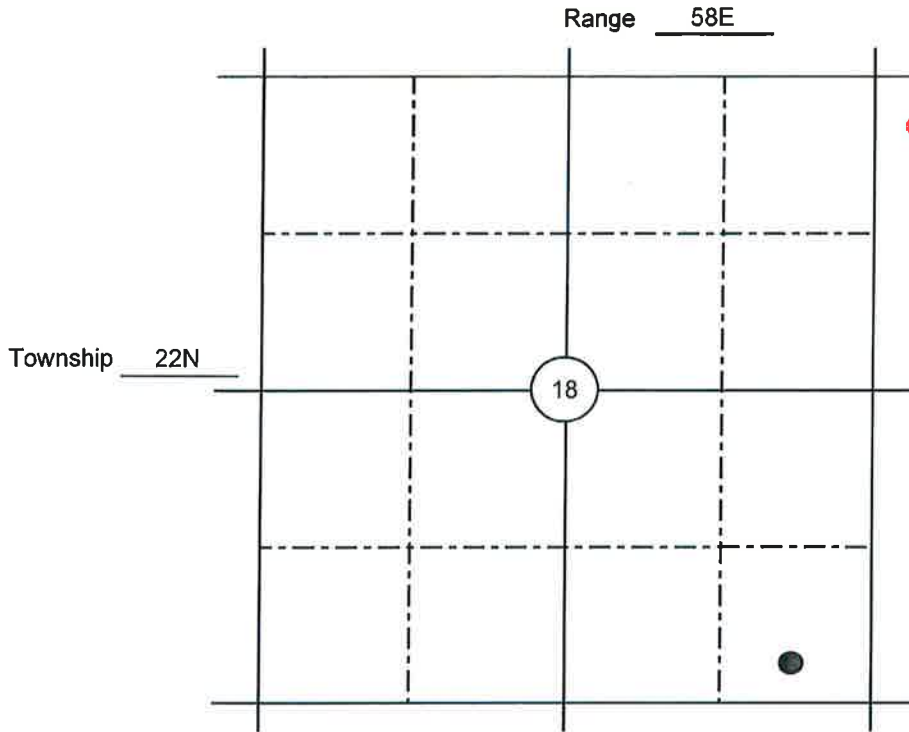
**SUPPLEMENTAL INFORMATION**

NOTE: Additional information or attachments may be required by Rule or by special request.  
Plot the location of the well or site that is the subject of this notice or report.

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**CONDITIONS OF APPROVAL**

The operator must comply with the following condition(s) of approval:

Failure to comply with the conditions of approval may void this permit.



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Client: White Rock Oil & Gas  
 Well: Anvik 16-18H  
 Basin/Field: WILDCAT  
 State: Montana  
 County/Parish: Richland County  
 Case: 630752975\_7188437  
 Disclosure Type: Pre-Job  
 Well Completed: 6/10/2018  
 Date Prepared: 5/18/2018 2:28 PM  
 Report ID: RPT-55360

Fluid Name & Volume	Additive	Additive Description	Concentration	Volume
Slickwater:WF125:YF 125FlexD:BroadBand Pill 2,089,380 Gal	B451	Demulsifier	0.5 Gal / 1000 Gal	1,045.0 Gal
	B525	Flowback Surfactant	1 Gal / 1000 Gal	2,089.0 Gal
	J218	Breaker	0.03 Lb / 1000 Gal	64.0 Lb
	J475	Breaker	0.4 Lb / 1000 Gal	769.0 Lb
	J580	Gelling Agent	19.7 Lb / 1000 Gal	41,166.0 Lb
	J604	Crosslinker	1.5 Gal / 1000 Gal	3,076.0 Gal
	J622	Low Temperature Fiber	0.5 Lb / 1000 Gal	1,008.0 Lb
	J627	Friction Reducer	0.1 Gal / 1000 Gal	111.0 Gal
	J637	Diverting Agent	2.9 Lb / 1000 Gal	6,048.0 Lb
	S012-2040	Propping Agent	varied concentrations	2,820,000.0 Lb
	U028	Activator	0.7 Gal / 1000 Gal	1,538.0 Gal

The total volume listed in the tables above represents the summation of water and additives. Water is supplied by client.

CAS Number	Chemical Name	Mass Fraction
-	Water (Including Mix Water Supplied by Client)*	~ 86 %
14808-60-7	Quartz, Crystalline silica	~ 14 %
9000-30-0	Guar gum	< 1 %
1319-33-1	Ulexite	< 0.1 %
107-21-1	Ethylene Glycol	< 0.1 %
9051-89-2	1,4-Dioxane-2,5-dione, 3,6- dimethyl-, (3Rcis)-, polymer with (3S-cis)-3,6-dimethyl-	< 0.1 %
1310-73-2	Sodium hydroxide	< 0.1 %
67-63-0	Propan-2-ol	< 0.1 %
1303-96-4	Sodium Tetraborate Decahydrate	< 0.01 %
68002-97-1	Alcohols, C10-16, ethoxylated	< 0.01 %
143-22-6	2-[2-(2-butoxyethoxy)ethoxy]ethanol	< 0.01 %
56-81-5	1, 2, 3 - Propanetriol	< 0.01 %
7727-54-0	Diammonium peroxodisulphate	< 0.01 %
52501-07-2	Aziridine, polymer with methyloxirane and oxirane	< 0.01 %
110-17-8	but-2-enedioic acid	< 0.01 %
68123-18-2	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane, 2-methyloxirane and oxirane	< 0.01 %
64742-47-8	Distillates, petroleum, hydrotreated light	< 0.01 %
26100-47-0	Acrylamide/ammonium acrylate copolymer	< 0.001 %
9003-11-6	Methyl oxirane polymer with oxirane	< 0.001 %
25038-72-6	Vinylidene chloride/methylacrylate copolymer	< 0.001 %
12125-02-9	Ammonium chloride	< 0.001 %
7631-86-9	Non-crystalline silica (impurity)	< 0.001 %
66455-15-0	Alkyl (C10-C14) alcohols, ethoxylated	< 0.001 %
78330-21-9	Alcohol, C11-14, ethoxylated	< 0.001 %
9004-96-0	Ethoxylated oleic acid	< 0.001 %
1338-43-8	Sorbitan monooleate	< 0.001 %
125005-87-0	Diutan gum	< 0.0001 %
595585-15-2	Diutan	< 0.0001 %
557-04-0	Magnesium stearate	< 0.0001 %
61723-83-9	Sorbitol Tetraoleate	< 0.0001 %
540-72-7	Sodium sulfocyanate	< 0.0001 %
10604-69-0	2-Propenoic acid, ammonium salt	< 0.0001 %
64-17-5	Ethanol	< 0.0001 %
14807-96-6	Magnesium silicate hydrate (talc)	< 0.0001 %
68439-50-9	Alcohols, C12-C14, ethoxylated	< 0.0001 %
68551-12-2	Alcohols, C12-C16, ethoxylated	< 0.0001 %
84133-50-6	C14 alpha olefin ethoxylate	< 0.0001 %
9002-84-0	poly(tetrafluoroethylene)	< 0.0001 %
79-06-1	2-Propenamid (impurity)	< 0.0001 %
143-18-0	Potassium oleate	< 0.0001 %



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Case: 630752975\_7188437  
Disclosure Type: Pre-Job  
Well Completed: 6/10/2018  
Date Prepared: 5/18/2018 2:28 PM  
Report ID: RPT-55360

CAS Number	Chemical Name	Mass Fraction
72283-36-4	Oxirane, 2-methyl-, polymer with oxirane, mono-(9Z)-9-octadecenoate, methyl ether	< 0.00001 %
112-80-1	Oleic acid	< 0.00001 %
39322-78-6	Phosphoric acid, dodecyl ester, potassium salt	< 0.00001 %
9016-88-0	1,4-Benzenedicarboxylic acid, polymer with 1,2-ethanediol and a-hydro-w-hydroxypoly (oxy-1,2-ethanediyl)	< 0.00001 %
127-08-2	Acetic acid, potassium salt	< 0.00001 %
112-53-8	C12 fatty alcohol	< 0.00001 %
64-19-7	Acetic acid	< 0.00001 %
9043-30-5	C13 alcohol ethoxylate	< 0.00001 %
75-21-8	Oxirane	< 0.00001 %
75-56-9	Propylene oxide	< 0.00001 %
123-91-1	1,4-Dioxane (Impurity)	< 0.00001 %
52-51-7	2-bromo-2-nitropropane-1,3-diol	< 0.00001 %
Total		100%

\* Mix water is supplied by the client. Schlumberger has performed no analysis of the water and cannot provide a breakdown of components that may have been added to the water by third-parties.

\* The evaluation of attached document is performed based on the composition of the identified products to the extent that such compositional information was known to GRC-Chemicals as of the date of the document was produced. Any new updates will not be reflected in this document.

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## Stimulation Fracturing Proposal #



**Company** White Rock Oil & Gas  
**Well Name** Bakken Refrac  
**Primary Contact** Danny McMillan / +1 469 213 5059  
**Date** 3/12/2018

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**Schlumberger**

## Executive Summary

Enclosed is our proposed commercial submission for Schlumberger intervention; and, for illustrative purposes, an estimate is also provided for the referenced well. This proposal includes well data, job design data, materials and resources requirements, and cost estimates. The purpose of our services is to perform Fracturing Hybrid.

Schlumberger has a safety policy to which all Schlumberger personnel must adhere. A pre-job safety meeting will be held with customer representatives and other personnel on location to familiarize everyone with existing and anticipated hazards and safety procedures. We would appreciate close cooperation between the customer representative and the Schlumberger representative to ensure a safe operation.

Thank you for considering Schlumberger.

Please do not hesitate to contact me with any questions or concerns.

Sincerely,

Danny McMillan  
Unconventional Completions Account Lead  
DMcmillan@exchange.slb.com  
Office: +1 469 213 5059

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# Pumping Schedule

Stage 1,3,5  
 Stage: 1,3,5

Clean Fluid Totals	
Slickwater	7,500 gal
WF125	3,680 gal
YF125FlexD	25,840 gal
BroadBand Pill	840 gal

Proppant Totals	
20/40 Sand	50,000.0 lbm

Bottom Hole Pumping Schedule												
Stage	Fluid Type	Clean Fluid Vol	Cum Clean Fluid	Prop Type	B.H. Prop Conc	Prop Per Stage	Cum Prop Amt	Stage Slurry Vol	Cum Slurry Vol	Pump Time	Clean Rate	Slurry Rate
		gal	gal		PPA	lbm	lbm	bbf	bbf	h	bbf/min	bbf/min
Pre-PAD	Slickwater	5,500	5,500		0.0	0.0	0.0	131.0	131.0	0.05	40.0	40.0
PAD	WF125	2,000	7,500		0.0	0.0	0.0	47.6	178.6	0.02	40.0	40.0
1.0 PPA	YF125FlexD	10,000	17,500	20/40 Sand	1.0	10,000.0	10,000.0	248.9	427.4	0.10	38.3	40.0
2.0 PPA	YF125FlexD	7,500	25,000	20/40 Sand	2.0	15,000.0	25,000.0	194.7	622.2	0.08	36.7	40.0
3.0 PPA	YF125FlexD	5,000	30,000	20/40 Sand	3.0	15,000.0	40,000.0	135.2	757.4	0.06	35.2	40.0
4.0 PPA	YF125FlexD	2,500	32,500	20/40 Sand	4.0	10,000.0	50,000.0	70.3	827.7	0.03	33.9	40.0
Spacer 1	YF125FlexD	840	33,340		0.0	0.0	50,000.0	20.0	847.7	0.02	20.0	20.0
BBS Pill	BroadBand Pill	840	34,180		0.0	0.0	50,000.0	20.0	867.7	0.02	20.0	20.0
Spacer 2	WF125	1,680	35,860		0.0	0.0	50,000.0	40.0	907.7	0.03	20.0	20.0
Add Spacer	Slickwater	2,000	37,860		0.0	0.0	50,000.0	47.6	955.3	0.02	40.0	40.0
<b>Totals:</b>		<b>37,860</b>				<b>50,000.0</b>		<b>955.3</b>		<b>0.43</b>		

Pad 2,000 gal  
 Frac 25,000 gal  
 Pad% 7.4 %

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**Stage 2,4,6**

Stage: 2,4,6

Clean Fluid Totals	
Slickwater	14,440 gal
WF125	3,680 gal
YF125FlexD	25,840 gal
BroadBand Pill	840 gal

Proppant Totals	
20/40 Sand	50,000.0 lbm

Bottom Hole Pumping Schedule												
Stage	Fluid Type	Clean Fluid Vol gal	Cum Clean Fluid gal	Prop Type	B.H. Prop Conc PPA	Prop Per Stage lbm	Cum Prop Amt lbm	Stage Slurry Vol bbl	Cum Slurry Vol bbl	Pump Time h	Clean Rate bbl/min	Slurry Rate bbl/min
Pre-PAD	Slickwater	5,500	5,500		0.0	0.0	0.0	131.0	131.0	0.05	40.0	40.0
PAD	WF125	2,000	7,500		0.0	0.0	0.0	47.6	178.6	0.02	40.0	40.0
1.0 PPA	YF125FlexD	10,000	17,500	20/40 Sand	1.0	10,000.0	10,000.0	248.9	427.4	0.10	38.3	40.0
2.0 PPA	YF125FlexD	7,500	25,000	20/40 Sand	2.0	15,000.0	25,000.0	194.7	622.2	0.08	36.7	40.0
3.0 PPA	YF125FlexD	5,000	30,000	20/40 Sand	3.0	15,000.0	40,000.0	135.2	757.4	0.06	35.2	40.0
4.0 PPA	YF125FlexD	2,500	32,500	20/40 Sand	4.0	10,000.0	50,000.0	70.3	827.7	0.03	33.9	40.0
Spacer 1	YF125FlexD	840	33,340		0.0	0.0	50,000.0	20.0	847.7	0.02	20.0	20.0
BBS Pill	BroadBand Pill	840	34,180		0.0	0.0	50,000.0	20.0	867.7	0.02	20.0	20.0
Spacer 2	WF125	1,680	35,860		0.0	0.0	50,000.0	40.0	907.7	0.03	20.0	20.0
Flush	Slickwater	8,940	44,800		0.0	0.0	50,000.0	212.9	1,120.6	0.09	40.0	40.0
ISIP	Slickwater	0	44,800		0.0	0.0	50,000.0	0.0	1,120.6	0.00	0.0	0.0
<b>Totals:</b>		<b>44,800</b>				<b>50,000.0</b>		<b>1,120.6</b>		<b>0.50</b>		

Pad 2,000 gal  
 Frac 25,000 gal  
 Pad% 7.4 %

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Stage 7-24  
Stage: 7-24

Clean Fluid Totals	
Slickwater	20,940 gal
WF125	3,680 gal
YF125FlexD	76,840 gal
BroadBand Pill	840 gal

Proppant Totals	
20/40 Sand	140,000.0 lbm

Bottom Hole Pumping Schedule												
Stage	Fluid Type	Clean Fluid Vol	Cum Clean Fluid	Prop Type	B.H. Prop Conc	Prop Per Stage	Cum Prop Amt	Stage Slurry Vol	Cum Slurry Vol	Pump Time	Clean Rate	Slurry Rate
		gal	gal		PPA	lbm	lbm	bbf	bbf	h	bbf/min	bbf/min
Pre-PAD	Slickwater	12,000	12,000		0.0	0.0	0.0	285.7	285.7	0.12	40.0	40.0
PAD	WF125	2,000	14,000		0.0	0.0	0.0	47.6	333.3	0.02	40.0	40.0
1.0 PPA	YF125FlexD	33,000	47,000	20/40 Sand	1.0	33,000.0	33,000.0	821.3	1,154.6	0.34	38.3	40.0
2.0 PPA	YF125FlexD	25,000	72,000	20/40 Sand	2.0	50,000.0	83,000.0	649.2	1,803.8	0.27	36.7	40.0
3.0 PPA	YF125FlexD	15,000	87,000	20/40 Sand	3.0	45,000.0	128,000.0	405.7	2,209.4	0.17	35.2	40.0
4.0 PPA	YF125FlexD	3,000	90,000	20/40 Sand	4.0	12,000.0	140,000.0	84.4	2,293.8	0.04	33.9	40.0
Spacer 1	YF125FlexD	840	90,840		0.0	0.0	140,000.0	20.0	2,313.8	0.02	20.0	20.0
BBS Pill	BroadBand Pill	840	91,680		0.0	0.0	140,000.0	20.0	2,333.8	0.02	20.0	20.0
Spacer 2	WF125	1,680	93,360		0.0	0.0	140,000.0	40.0	2,373.8	0.03	20.0	20.0
Flush	Slickwater	8,940	102,300		0.0	0.0	140,000.0	212.9	2,586.7	0.09	40.0	40.0
ISIP	Slickwater	0	102,300		0.0	0.0	140,000.0	0.0	2,586.7	0.00	0.0	0.0
<b>Totals:</b>		<b>102,300</b>				<b>140,000.0</b>		<b>2,586.7</b>		<b>1.11</b>		

Pad 2,000 gal  
Frac 76,000 gal  
Pad% 2.6 %

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**Material Summary**

Fluid Summary			
Fluid Description		Additives	
Slickwater	B526	Nonemulsifier	0.50 Gal/mGal
	F114	Surfactant	1.00 Gal/mGal
	J627	Friction Reducer	0.25 Gal/mGal
WF125	B526	Nonemulsifier	0.50 Gal/mGal
	F114	Surfactant	1.00 Gal/mGal
	J218	Breaker	0.500 lb/mGal
	J580	Gelling Agent	25.000 lb/mGal
YF125FlexD	B526	Nonemulsifier	0.50 Gal/mGal
	F114	Surfactant	1.00 Gal/mGal
	J475	Breaker Encapsulated	0.500 lb/mGal
	J580	Gelling Agent	25.000 lb/mGal
	J604	Crosslinker	2.00 Gal/mGal
	U028	Activator	1.00 Gal/mGal
BroadBand Pill	B526	Nonemulsifier	0.50 Gal/mGal
	F114	Surfactant	1.00 Gal/mGal
	J218	Breaker	1.000 lb/mGal
	J580	Gelling Agent	25.000 lb/mGal
	J622	Fiber	50.000 lb/mGal
	J637	BroadBand Sequence	300.000 lb/mGal

Totals By Stage					
Stage	Fluids	Clean Fluid Volume	Proppants	Proppant Mass	Pump Time
1	Slickwater	7,500 gal	20/40 Sand	50,000.0 lbm	0.43 h
	WF125	3,680 gal			
	YF125FlexD	25,840 gal			
	BroadBand Pill	840 gal			
2	Slickwater	14,440 gal	20/40 Sand	50,000.0 lbm	0.50 h
	WF125	3,680 gal			
	YF125FlexD	25,840 gal			
	BroadBand Pill	840 gal			
3	Slickwater	7,500 gal	20/40 Sand	50,000.0 lbm	0.43 h
	WF125	3,680 gal			
	YF125FlexD	25,840 gal			
	BroadBand Pill	840 gal			
4	Slickwater	14,440 gal	20/40 Sand	50,000.0 lbm	0.50 h
	WF125	3,680 gal			
	YF125FlexD	25,840 gal			
	BroadBand Pill	840 gal			
5	Slickwater	7,500 gal	20/40 Sand	50,000.0 lbm	0.43 h
	WF125	3,680 gal			
	YF125FlexD	25,840 gal			
	BroadBand Pill	840 gal			
6	Slickwater	14,440 gal	20/40 Sand	50,000.0 lbm	0.50 h
	WF125	3,680 gal			
	YF125FlexD	25,840 gal			
	BroadBand Pill	840 gal			
7	Slickwater	20,940 gal	20/40 Sand	140,000.0 lbm	1.11 h
	WF125	3,680 gal			
	YF125FlexD	76,840 gal			
	BroadBand Pill	840 gal			
8	Slickwater	20,940 gal	20/40 Sand	140,000.0 lbm	1.11 h
	WF125	3,680 gal			
	YF125FlexD	76,840 gal			
	BroadBand Pill	840 gal			
9	Slickwater	20,940 gal	20/40 Sand	140,000.0 lbm	1.11 h
	WF125	3,680 gal			
	YF125FlexD	76,840 gal			
	BroadBand Pill	840 gal			

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Totals By Stage					
Stage	Fluids	Clean Fluid Volume	Proppants	Proppant Mass	Pump Time
10	Slickwater	20,940 gal	20/40 Sand	140,000.0 lbm	1.11 h
	WF125	3,680 gal			
	YF125FlexD	76,840 gal			
	BroadBand Pill	840 gal			
11	Slickwater	20,940 gal	20/40 Sand	140,000.0 lbm	1.11 h
	WF125	3,680 gal			
	YF125FlexD	76,840 gal			
	BroadBand Pill	840 gal			
12	Slickwater	20,940 gal	20/40 Sand	140,000.0 lbm	1.11 h
	WF125	3,680 gal			
	YF125FlexD	76,840 gal			
	BroadBand Pill	840 gal			
13	Slickwater	20,940 gal	20/40 Sand	140,000.0 lbm	1.11 h
	WF125	3,680 gal			
	YF125FlexD	76,840 gal			
	BroadBand Pill	840 gal			
14	Slickwater	20,940 gal	20/40 Sand	140,000.0 lbm	1.11 h
	WF125	3,680 gal			
	YF125FlexD	76,840 gal			
	BroadBand Pill	840 gal			
15	Slickwater	20,940 gal	20/40 Sand	140,000.0 lbm	1.11 h
	WF125	3,680 gal			
	YF125FlexD	76,840 gal			
	BroadBand Pill	840 gal			
16	Slickwater	20,940 gal	20/40 Sand	140,000.0 lbm	1.11 h
	WF125	3,680 gal			
	YF125FlexD	76,840 gal			
	BroadBand Pill	840 gal			
17	Slickwater	20,940 gal	20/40 Sand	140,000.0 lbm	1.11 h
	WF125	3,680 gal			
	YF125FlexD	76,840 gal			
	BroadBand Pill	840 gal			
18	Slickwater	20,940 gal	20/40 Sand	140,000.0 lbm	1.11 h
	WF125	3,680 gal			
	YF125FlexD	76,840 gal			
	BroadBand Pill	840 gal			
19	Slickwater	20,940 gal	20/40 Sand	140,000.0 lbm	1.11 h
	WF125	3,680 gal			
	YF125FlexD	76,840 gal			
	BroadBand Pill	840 gal			
20	Slickwater	20,940 gal	20/40 Sand	140,000.0 lbm	1.11 h
	WF125	3,680 gal			
	YF125FlexD	76,840 gal			
	BroadBand Pill	840 gal			
21	Slickwater	20,940 gal	20/40 Sand	140,000.0 lbm	1.11 h
	WF125	3,680 gal			
	YF125FlexD	76,840 gal			
	BroadBand Pill	840 gal			
22	Slickwater	20,940 gal	20/40 Sand	140,000.0 lbm	1.11 h
	WF125	3,680 gal			
	YF125FlexD	76,840 gal			
	BroadBand Pill	840 gal			
23	Slickwater	20,940 gal	20/40 Sand	140,000.0 lbm	1.11 h
	WF125	3,680 gal			
	YF125FlexD	76,840 gal			
	BroadBand Pill	840 gal			
24	Slickwater	20,940 gal	20/40 Sand	140,000.0 lbm	1.11 h
	WF125	3,680 gal			
	YF125FlexD	76,840 gal			
	BroadBand Pill	840 gal			

Job Totals				
Fluids	Clean Fluid Volume	Proppants	Proppant Mass	Pump Time
Slickwater	442,740 gal	20/40 Sand	2,819,999.2 lbm	22.79 h
WF125	88,320 gal			
YF125FlexD	1,538,160 gal			
BroadBand Pill	20,160 gal			

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## Load Out Summary

Loadouts		
Fluid/Material Type	Code	Loadout Quantity
Nonemulsifier	B526	1,044.7 gal
Surfactant	F114	2,089.4 gal
Breaker	J218	64.3 lbm
Breaker Encapsulated	J475	769.1 lbm
Gelling Agent	J580	41,166.0 lbm
Crosslinker	J604	3,076.3 gal
Fiber	J622	1,008.0 lbm
Friction Reducer	J627	110.7 gal
BroadBand Sequence	J637	6,048.0 lbm
BB Pill Charge	J964	23.0 lbm
20/40 Sand	S012-2040	2,819,999.2 lbm
Activator	U028	1,538.2 gal

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