

Petition to the Montana Board of Oil and Gas Conservation
EXHIBIT 1

MBOGC Pre-Frac Disclosure Statement

Well Operator: Fidelity E&P Company
Well Name: 71 Ranch 44-1H
 Location
 Footage
 Elev
 County, State Rosebud, MT



All volumes, concentrations, chemical compositions and wellbore details are approximate.

Wellbore Information

Lateral Length	4,802	ft
Number of Stages	16	
Proppant Concentration	333	lbs/ft
Total Proppant Volume	1,600,000	lbs
Type of Proppant	Sand	
Total Fluid Concentration	17	gal/ft
Fluid Volume	82,887	gal
Type of Fluid	25# Cross	linked gel

Fluid Information

Chemical Constituents of Frac Fluid	Description	Estimated Concentration	Units	Total	Units
DWP-621	Friction Reducer	0.5	gpt	208	Gal
DWP-111	Gel Slurry	6.3	gpt	5,104	Gal
DWP-123	Crosslinker	3.0	gpt	2,384	Gal
DWP-204	Buffer	0.5	gpt	416	Gal
DWP-913	Clay Control	1.0	gpt	1,232	Gal
DWP-931G	Non-Emulsifier	1.0	gpt	1,232	Gal
DWP-944	Biocide	0.2	gpt	256	Gal
15% HCl	Acid			1,500	Gal
DAP-925	Acid Additive	0.5	gpt	16	Gal
DWP-902	Breaker	2.5	ppt	1,376	lbs

Other Potential Chemical Constituents

CO2 - 560 tons

Per Stage Volume Estimate

Friction Reducer	13	Gal
Gel Slurry	319	Gal
Crosslinker	149	Gal
Buffer	26	Gal
Clay Control	77	Gal
Non-Emulsifier	77	Gal
Biocide	16	Gal
Acid	94	Gal
Acid Additive	1	Gal
Breaker	86	lbs

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CHEMICAL FLUID SCHEDULE												
Stage	Slurry	Fluid				Chemical Additives						
	Slurry	Clean	Clean	Clean	Clean	Friction Reducer	Gel Slurry	Crosslinker	Buffer	Clay Control	Biocide	HT Encapsulated Breaker
	Rate	Rate	Fluid	Fluid	Cum	DWP-621	DWP-111	DWP-123	DWP-204	DWP-913	DWP-944	DWP-902
	(bpm)	(bpm)	(gal)	(bbls)	(bbls)	(gpt)	(gpt)	(gpt)	(gpt)	(gpt)	(gpt)	(ppt)
Pump in - [CWS-600]	10.0	10.0	6,000	143	143	0.50				1.00	0.20	
Acid - [15% HCl]	10.0	10.0	1,500	36	179							
Sweep - [CWS-600]	30.0	30.0	2,000	48	226	0.50				1.00	0.20	
Pad					226							
Sweep - [CWS-600]	30.0	30.0	1,500	36	262	0.50				1.00	0.20	
0.5 ppg Sand - [CWS-600 / Sand, 100 Mesh]	30.0	29.3	5,000	119	381	0.50				1.00	0.20	
1 ppg Sand - [CWS-600 / Sand, 100 Mesh]	30.0	28.7	5,000	119	500	0.50				1.00	0.20	
Pad - [Linear Gel]	30.0	30.0	1,500	36	536		6.25		0.50	1.00	0.20	1.00
Pad - [DynAqua-1]	30.0	30.0	2,000	48	583		6.25	3.00	0.50	1.00	0.20	1.00
0.5 ppg Sand - [DynAqua-1 / White Sand, 20/40]	30.0	29.3	4,500	107	690		6.25	3.00	0.50	1.00	0.20	1.00
0.75 ppg Sand - [DynAqua-1 / White Sand, 20/40]	30.0	29.0	5,000	119	810		6.25	3.00	0.50	1.00	0.20	1.00
1 ppg Sand - [DynAqua-1 / White Sand, 20/40]	30.0	28.7	6,000	143	952		6.25	3.00	0.50	1.00	0.20	1.00
1.5 ppg Sand - [DynAqua-1 / White Sand, 20/40]	30.0	28.1	9,000	214	1,167		6.25	3.00	0.50	1.00	0.20	1.20
2 ppg Sand - [DynAqua-1 / White Sand, 20/40]	35.0	32.1	8,500	202	1,369		6.25	3.00	0.50	1.00	0.20	1.50
3 ppg Sand - [DynAqua-1 / White Sand, 20/40]	35.0	30.8	8,000	190	1,560		6.25	3.00	0.50	1.00	0.20	1.80
4 ppg Sand - [DynAqua-1 / White Sand, 20/40]	35.0	29.7	6,500	155	1,714		6.25	3.00	0.50	1.00	0.20	2.00
Flush - [CWS-600]	35.0	35.0	6,136	146	1,860	0.50				1.00	0.20	2.50
						13	319	149	26	77	16	86

Totals for the 12 stages in this program

156	3828	1788	312	924	192	1032
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Kraken Operating, LLC

Higgins 13-24 #1H
 SW SW Sec 12 T27N R57E
 330' FSL 849' FWL
 Roosevelt County, MT

Fracturing Summary Sheet

The following is a summary of the proposed 36 stage fracturing operation.

	Fluid	Proppant	DH Conc	WG-2BL	BX-6L	BX-3LD	Buffer E	NE-6	SCC-1L	AQUACAR DB 20	10% Breaker 3HT	1% Breaker O	FRW-3
			lb/gal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal
Initial	Fresh water w/ BoraJel	20/40 LW Ceramic	0.5-4.0	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00	4.00	0.50
Per Stage	106,936 gal	100,000 lbs	lb/gal	gal	gal	gal	gal	gal	gal	gal	gal	lbs	gal
Totals	3,849,696 gal	3,600,000 lbs	0.5-4.0	7,200	3,213	1,377	2,295	3,680	3,680	368	3,456	10,113	1,264

Average Expected Treating Pressure: 5,212 psi @ 45 bpm
Maximum Expected Treating Pressure: 8,600 psi

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Kraken Oil & Gas LLC
36 stage AFE estimate

Additive Schedule

Stage	Description	Fluid	Proppant	DH Conc.	WG-2BL	BX-6L	BX-3LD	Buffer E	NE-6	SCC-1L	AQUACAR™ DB 20	10% Breaker 3HT	1% Breaker O	FRW-3
				ppg	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal
Zone 1														
1	Establish Injection	Slick Frac							1.00	1.00	0.10		4.00	0.50
2	Spearhead	7.5% HCl							1.00	1.00	0.10		4.00	0.50
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10		3.00	
7	Proppant	Linear BORAJel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10		3.00	
8	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10		3.00	
9	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10		3.00	
10	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10		4.00	0.50
11	Flush	Slick Frac							1.00	1.00	0.10		4.00	0.50
Zone 2														
1	Establish Injection	Slick Frac							1.00	1.00	0.10		4.00	0.50
2	Spearhead	7.5% HCl							1.00	1.00	0.10		4.00	0.50
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10		3.00	
7	Proppant	Linear BORAJel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10		3.00	
8	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10		3.00	
9	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10		3.00	
10	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10		4.00	0.50
11	Flush	Slick Frac							1.00	1.00	0.10		4.00	0.50
Zone 3														
1	Establish Injection	Slick Frac							1.00	1.00	0.10		4.00	0.50
2	Spearhead	7.5% HCl							1.00	1.00	0.10		4.00	0.50
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10		3.00	
7	Proppant	Linear BORAJel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10		3.00	
8	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10		3.00	
9	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10		3.00	
10	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10		4.00	0.50
11	Flush	Slick Frac							1.00	1.00	0.10		4.00	0.50
Zone 4														
1	Establish Injection	Slick Frac							1.00	1.00	0.10		4.00	0.50
2	Spearhead	7.5% HCl							1.00	1.00	0.10		4.00	0.50
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10		3.00	
7	Proppant	Linear BORAJel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10		3.00	
8	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10		3.00	
9	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10		3.00	
10	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10		4.00	0.50
11	Flush	Slick Frac							1.00	1.00	0.10		4.00	0.50
Zone 5														
1	Establish Injection	Slick Frac							1.00	1.00	0.10		4.00	0.50
2	Spearhead	7.5% HCl							1.00	1.00	0.10		4.00	0.50
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10		3.00	
7	Proppant	Linear BORAJel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10		3.00	
8	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10		3.00	
9	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10		3.00	
10	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10		4.00	0.50
11	Flush	Slick Frac							1.00	1.00	0.10		4.00	0.50
Zone 6														
1	Establish Injection	Slick Frac							1.00	1.00	0.10		4.00	0.50
2	Spearhead	7.5% HCl							1.00	1.00	0.10		4.00	0.50
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10		3.00	
7	Proppant	Linear BORAJel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10		3.00	
8	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10		3.00	
9	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10		3.00	
10	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10		4.00	0.50
11	Flush	Slick Frac							1.00	1.00	0.10		4.00	0.50

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Kraken Oil & Gas LLC
36 stage AFE estimate

Additive Schedule

Stage	Description	Fluid	Proppant	DH Conc.	WG-2BL	BX-6L	BX-3LD	Buffer E	NE-6	SCC-1L	AQUACAR™ DB 20	10% Breaker 3HT	1% Breaker O	FRW-3
				ppg	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal
Zone 7														
1	Establish Injection	Slick Frac							1.00	1.00	0.10		4.00	0.50
2	Spearhead	7.5% HCl							1.00	1.00	0.10		4.00	0.50
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10		4.00	0.50
7	Proppant	Linear BORAjel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10	3.00		
8	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
9	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
10	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
11	Flush	Slick Frac							1.00	1.00	0.10		4.00	0.50
Zone 8														
1	Establish Injection	Slick Frac							1.00	1.00	0.10		4.00	0.50
2	Spearhead	7.5% HCl							1.00	1.00	0.10		4.00	0.50
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10		4.00	0.50
7	Proppant	Linear BORAjel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10	3.00		
8	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
9	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
10	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
11	Flush	Slick Frac							1.00	1.00	0.10		4.00	0.50
Zone 9														
1	Establish Injection	Slick Frac							1.00	1.00	0.10		4.00	0.50
2	Spearhead	7.5% HCl							1.00	1.00	0.10		4.00	0.50
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10		4.00	0.50
7	Proppant	Linear BORAjel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10	3.00		
8	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
9	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
10	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
11	Flush	Slick Frac							1.00	1.00	0.10		4.00	0.50
Zone 10														
1	Establish Injection	Slick Frac							1.00	1.00	0.10		4.00	0.50
2	Spearhead	7.5% HCl							1.00	1.00	0.10		4.00	0.50
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10		4.00	0.50
7	Proppant	Linear BORAjel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10	3.00		
8	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
9	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
10	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
11	Flush	Slick Frac							1.00	1.00	0.10		4.00	0.50
Zone 11														
1	Establish Injection	Slick Frac							1.00	1.00	0.10		4.00	0.50
2	Spearhead	7.5% HCl							1.00	1.00	0.10		4.00	0.50
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10		4.00	0.50
7	Proppant	Linear BORAjel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10	3.00		
8	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
9	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
10	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
11	Flush	Slick Frac							1.00	1.00	0.10		4.00	0.50
Zone 12														
1	Establish Injection	Slick Frac							1.00	1.00	0.10		4.00	0.50
2	Spearhead	7.5% HCl							1.00	1.00	0.10		4.00	0.50
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10		4.00	0.50
7	Proppant	Linear BORAjel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10	3.00		
8	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
9	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
10	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
11	Flush	Slick Frac							1.00	1.00	0.10		4.00	0.50

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Additive Schedule

Stage	Description	Fluid	Proppant	DH Conc.	WG-2BL	BX-6L	BX-3LD	Buffer E	NE-6	SCC-1L	AQUICAR™ DB 20	10% Breaker 3HT	1% Breaker O	FRW-3
				ppg	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal
Zone 13														
1	Establish Injection	Slick Frac							1.00	1.00	0.10			
2	Spearhead	7.5% HCl							1.00	1.00	0.10		4.00	0.50
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10	3.00		
7	Proppant	Linear BORAjel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10		3.00	
8	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10		3.00	
9	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10		3.00	
10	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10		4.00	0.50
11	Flush	Slick Frac							1.00	1.00	0.10			
Zone 14														
1	Establish Injection	Slick Frac							1.00	1.00	0.10			
2	Spearhead	7.5% HCl							1.00	1.00	0.10		4.00	0.50
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10	3.00		
7	Proppant	Linear BORAjel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10		3.00	
8	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10		3.00	
9	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10		3.00	
10	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10		4.00	0.50
11	Flush	Slick Frac							1.00	1.00	0.10			
Zone 15														
1	Establish Injection	Slick Frac							1.00	1.00	0.10			
2	Spearhead	7.5% HCl							1.00	1.00	0.10		4.00	0.50
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10	3.00		
7	Proppant	Linear BORAjel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10		3.00	
8	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10		3.00	
9	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10		3.00	
10	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10		4.00	0.50
11	Flush	Slick Frac							1.00	1.00	0.10			
Zone 16														
1	Establish Injection	Slick Frac							1.00	1.00	0.10			
2	Spearhead	7.5% HCl							1.00	1.00	0.10		4.00	0.50
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10	3.00		
7	Proppant	Linear BORAjel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10		3.00	
8	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10		3.00	
9	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10		3.00	
10	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10		4.00	0.50
11	Flush	Slick Frac							1.00	1.00	0.10			
Zone 17														
1	Establish Injection	Slick Frac							1.00	1.00	0.10			
2	Spearhead	7.5% HCl							1.00	1.00	0.10		4.00	0.50
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10	3.00		
7	Proppant	Linear BORAjel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10		3.00	
8	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10		3.00	
9	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10		3.00	
10	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10		4.00	0.50
11	Flush	Slick Frac							1.00	1.00	0.10			
Zone 18														
1	Establish Injection	Slick Frac							1.00	1.00	0.10			
2	Spearhead	7.5% HCl							1.00	1.00	0.10		4.00	0.50
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10	3.00		
7	Proppant	Linear BORAjel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10		3.00	
8	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10		3.00	
9	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10		3.00	
10	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10		4.00	0.50
11	Flush	Slick Frac							1.00	1.00	0.10			

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MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

Kraken Oil & Gas LLC
36 stage AFE estimate

Additive Schedule

Stage	Description	Fluid	Proppant	DH Conc.	WG-2BL	BX-6L	BX-3LD	Buffer E	NE-6	SCC-1L	AQUACAR™ DB 20	10% Breaker 3HT	1% Breaker O	FRW-3
				ppg	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal
Zone 19														
1	Establish Injection	Slick Frac							1.00	1.00	0.10		4.00	0.50
2	Spearhead	7.5% HCl							1.00	1.00	0.10		4.00	0.50
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10	3.00		
7	Proppant	Linear BORAJel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10	3.00		
8	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
9	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
10	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00	4.00	0.50
11	Flush	Slick Frac							1.00	1.00	0.10			
Zone 20														
1	Establish Injection	Slick Frac							1.00	1.00	0.10		4.00	0.50
2	Spearhead	7.5% HCl							1.00	1.00	0.10		4.00	0.50
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10	3.00		
7	Proppant	Linear BORAJel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10	3.00		
8	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
9	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
10	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00	4.00	0.50
11	Flush	Slick Frac							1.00	1.00	0.10			
Zone 21														
1	Establish Injection	Slick Frac							1.00	1.00	0.10		4.00	0.50
2	Spearhead	7.5% HCl							1.00	1.00	0.10		4.00	0.50
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10	3.00		
7	Proppant	Linear BORAJel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10	3.00		
8	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
9	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
10	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00	4.00	0.50
11	Flush	Slick Frac							1.00	1.00	0.10			
Zone 22														
1	Establish Injection	Slick Frac							1.00	1.00	0.10		4.00	0.50
2	Spearhead	7.5% HCl							1.00	1.00	0.10		4.00	0.50
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10	3.00		
7	Proppant	Linear BORAJel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10	3.00		
8	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
9	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
10	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00	4.00	0.50
11	Flush	Slick Frac							1.00	1.00	0.10			
Zone 23														
1	Establish Injection	Slick Frac							1.00	1.00	0.10		4.00	0.50
2	Spearhead	7.5% HCl							1.00	1.00	0.10		4.00	0.50
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10	3.00		
7	Proppant	Linear BORAJel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10	3.00		
8	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
9	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
10	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00	4.00	0.50
11	Flush	Slick Frac							1.00	1.00	0.10			
Zone 24														
1	Establish Injection	Slick Frac							1.00	1.00	0.10		4.00	0.50
2	Spearhead	7.5% HCl							1.00	1.00	0.10		4.00	0.50
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10	3.00		
7	Proppant	Linear BORAJel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10	3.00		
8	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
9	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
10	Proppant	BORAJel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00	4.00	0.50
11	Flush	Slick Frac							1.00	1.00	0.10			

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Kraken Oil & Gas LLC
 36 stage AFE estimate
 Additive Schedule

Stage	Description	Fluid	Proppant	DH Conc.	WG-2BL	BX-6L	BX-3LD	Buffer E	NE-6	SCC-1L	AQUACAR™ DB 20	10% Breaker 3HT	1% Breaker O	FRW-3
				ppg	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal
Zone 25														
1	Establish Injection	Slick Frac							1.00	1.00	0.10		4.00	0.50
2	Spearhead	7.5% HCl												
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10		4.00	0.50
7	Proppant	Linear BORAjel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10	3.00		
8	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
9	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
10	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
11	Flush	Slick Frac							1.00	1.00	0.10		4.00	0.50
Zone 26														
1	Establish Injection	Slick Frac							1.00	1.00	0.10		4.00	0.50
2	Spearhead	7.5% HCl												
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10		4.00	0.50
7	Proppant	Linear BORAjel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10	3.00		
8	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
9	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
10	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
11	Flush	Slick Frac							1.00	1.00	0.10		4.00	0.50
Zone 27														
1	Establish Injection	Slick Frac							1.00	1.00	0.10		4.00	0.50
2	Spearhead	7.5% HCl												
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10		4.00	0.50
7	Proppant	Linear BORAjel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10	3.00		
8	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
9	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
10	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
11	Flush	Slick Frac							1.00	1.00	0.10		4.00	0.50
Zone 28														
1	Establish Injection	Slick Frac							1.00	1.00	0.10		4.00	0.50
2	Spearhead	7.5% HCl												
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10		4.00	0.50
7	Proppant	Linear BORAjel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10	3.00		
8	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
9	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
10	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
11	Flush	Slick Frac							1.00	1.00	0.10		4.00	0.50
Zone 29														
1	Establish Injection	Slick Frac							1.00	1.00	0.10		4.00	0.50
2	Spearhead	7.5% HCl												
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10		4.00	0.50
7	Proppant	Linear BORAjel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10	3.00		
8	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
9	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
10	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
11	Flush	Slick Frac							1.00	1.00	0.10		4.00	0.50
Zone 30														
1	Establish Injection	Slick Frac							1.00	1.00	0.10		4.00	0.50
2	Spearhead	7.5% HCl												
3	Pad	Slick Frac							1.00	1.00	0.10		4.00	0.50
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10		4.00	0.50
7	Proppant	Linear BORAjel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10	3.00		
8	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
9	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
10	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
11	Flush	Slick Frac							1.00	1.00	0.10		4.00	0.50

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Kraken Oil & Gas LLC
36 stage AFE estimate
Additive Schedule

Stage	Description	Fluid	Proppant	DH Conc.	WG-2BL	BX-6L	BX-3LD	Buffer E	NE-6	SCC-1L	AQUACAR™ DB 20	10% Breaker 3HT	1% Breaker O	FRW-3
				ppg	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal	gal/Mgal
Zone 31														
1	Establish Injection	Slick Frac							1.00	1.00	0.10			0.50
2	Spearhead	7.5% HCl											4.00	
3	Pad	Slick Frac												
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10		4.00	0.50
7	Proppant	Linear BORAjel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10		4.00	0.50
8	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
9	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
10	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
11	Flush	Slick Frac							1.00	1.00	0.10		4.00	0.50
Zone 32														
1	Establish Injection	Slick Frac							1.00	1.00	0.10			0.50
2	Spearhead	7.5% HCl											4.00	
3	Pad	Slick Frac												
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10		4.00	0.50
7	Proppant	Linear BORAjel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10		4.00	0.50
8	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
9	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
10	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
11	Flush	Slick Frac							1.00	1.00	0.10		4.00	0.50
Zone 33														
1	Establish Injection	Slick Frac							1.00	1.00	0.10			0.50
2	Spearhead	7.5% HCl											4.00	
3	Pad	Slick Frac												
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10		4.00	0.50
7	Proppant	Linear BORAjel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10		4.00	0.50
8	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
9	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
10	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
11	Flush	Slick Frac							1.00	1.00	0.10		4.00	0.50
Zone 34														
1	Establish Injection	Slick Frac							1.00	1.00	0.10			0.50
2	Spearhead	7.5% HCl											4.00	
3	Pad	Slick Frac												
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10		4.00	0.50
7	Proppant	Linear BORAjel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10		4.00	0.50
8	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
9	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
10	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
11	Flush	Slick Frac							1.00	1.00	0.10		4.00	0.50
Zone 35														
1	Establish Injection	Slick Frac							1.00	1.00	0.10			0.50
2	Spearhead	7.5% HCl											4.00	
3	Pad	Slick Frac												
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10		4.00	0.50
7	Proppant	Linear BORAjel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10		4.00	0.50
8	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
9	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
10	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
11	Flush	Slick Frac							1.00	1.00	0.10		4.00	0.50
Zone 36														
1	Establish Injection	Slick Frac							1.00	1.00	0.10			0.50
2	Spearhead	7.5% HCl											4.00	
3	Pad	Slick Frac												
4	Scour	Slick Frac	20/40 ShaleProp	0.5					1.00	1.00	0.10		4.00	0.50
5	Sweep	Slick Frac							1.00	1.00	0.10		4.00	0.50
6	Proppant	Slick Frac	20/40 ShaleProp	1					1.00	1.00	0.10		4.00	0.50
7	Proppant	Linear BORAjel-6.25	20/40 ShaleProp	2	6.25				1.00	1.00	0.10		4.00	0.50
8	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	2	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
9	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	3	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
10	Proppant	BORAjel-6.25(2BL)	20/40 ShaleProp	4	6.25	3.50	1.50	2.50	1.00	1.00	0.10	3.00		
11	Flush	Slick Frac							1.00	1.00	0.10		4.00	0.50
Totals					7200	3213	1377	2295	3680	3680	368	3456	10113	1264

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