

Shell Frontier Oil & Gas Inc.

RECLAMATION COST ESTIMATE

COST SUMMARY

Site 2003 Public Land Consolidated NOI

Date August 16, 2022

File P-2003-018

GRAND TOTAL (direct + O&P + regulatory + contingency): **\$68,612**

INDIRECT COSTS:

Contractor's overhead & profit (O & P):	Liability insurance:	2.02%	of direct	\$1,071
	Performance bond:	1.55%	of direct	\$822
	Labor and materials payment bond*:	na	of direct	\$0
	Job supervision:	per JOB SUPERVISION Tab		\$2,854
	Profit:	10.00%	of direct	\$5,302

* If required, included with performance bond

Total O & P: **\$10,049**

Construction contract amount (direct + O & P): **\$63,066**

Regulatory agency administrative costs (bond calculations only):

Colorado DRMS statutory bond forfeiture administrative fee	5.00%	of contract	\$3,153
			\$0
			\$0
			\$0
			\$0
Colorado DRMS mandatory bond processing fee	- Corporate surety		\$500

Total regulatory agency administrative costs: **\$3,653**

Total indirect costs (O & P + regulatory): **\$13,702**

CONTINGENCY:

Approximate project development stage: **- Final working drawing stage**

3.00% add-on

Total: **\$1,892**

DIRECT COSTS:

Task No.	Description	Acres	Equipment	No. Units	Task Hours	Direct Cost
DIRECT COST TOTALS:		31.372	Revegetation		44.72	\$53,017.81
			Earthwork			
Pad 1-11-299:						
1A	Fence removal...NA - Removed		na	na	na	na
1B	Borehole P&A...NA - All installed wells P&A'd		na	na	na	na
1C	Regrading...NA - Completed 2014		na	na	na	na
1D	Ripping...NA - Completed 2014		na	na	na	na
1E	Soil replacement...NA - Completed 2014		na	na	na	na
1F	Revegetation (retained if reseeding req'd)	0	na	na	na	na
Subtotals:					0.00	\$0
Pad 2-2-299:						
2A	Fence removal...NA - Removed		na	na	na	na
2B	Borehole P&A...NA - All installed wells P&A'd		na	na	na	na
2C	Regrading...NA - Completed 2014		na	na	na	na
2D	Ripping...NA - Completed 2014		na	na	na	na
2E	Soil replacement...NA - Completed 2014		na	na	na	na
2F	Revegetation (retained if reseeding req'd)	0	na	na	na	na
Subtotals:					0.00	\$0
Pad 3-1-299:						
3A	Fence removal...NA - Removed		na	na	na	na
3B	Borehole P&A...NA - All installed wells P&A'd		na	na	na	na
3C	Regrading...NA - Completed 2015		na	na	na	na
3D	Ripping...NA - Completed 2015		na	na	na	na
3E	Soil replacement...NA - Completed 2015		na	na	na	na
3F	Revegetation	0	na	na	na	na
Subtotals:					0.00	\$0
Pad 4-1-299:						
4A	Fence removal...NA - Removed		na	na	na	na
4B	Borehole P&A...NA - All installed wells P&A'd		na	na	na	na
4C	Regrading...NA - Completed 2014		na	na	na	na
4D	Ripping...NA - Completed 2014		na	na	na	na
4E	Soil replacement...NA - Completed 2014		na	na	na	na
4F	Revegetation (retained if reseeding req'd)	0	na	na	na	na
Subtotals:					0.00	\$0

Task No.	Description	Acres	Equipment	No. Units	Task Hours	Direct Cost
Pad 5-18-298:						
5A	Fence removal...NA - Removed		na	na	na	na
5B	Borehole P&A...NA - All installed wells P&A'd		na	na	na	na
5C	Regrading...NA - Completed 2015		na	na	na	na
5D	Ripping...NA - Completed 2015		na	na	na	na
5E	Soil replacement...NA - Completed 2015		na	na	na	na
5F	Revegetation	1.261	Rev. crew	2	1.26	\$1,982
Subtotals:					1.26	\$1,982
Pad 6-13-299:						
6A	Fence removal...NA - Removed		na	na	na	na
6B	Borehole P&A...NA - All installed wells P&A'd		na	na	na	na
6C	Regrading...NA - Completed 2015		na	na	na	na
6D	Ripping...NA - Completed 2015		na	na	na	na
6E	Soil replacement...NA - Completed 2015		na	na	na	na
6F	Revegetation	3.114	Rev. crew	2	3.11	\$4,895
Subtotals:					3.11	\$4,895
Pad 7-18-298:						
7A	Fence removal...NA - Removed		na	na	na	na
7B	Borehole P&A...NA - All installed wells P&A'd		na	na	na	na
7C	Regrading...NA - Completed 2015		na	na	na	na
7D	Ripping...NA - Completed 2015		na	na	na	na
7E	Soil replacement...NA - Completed 2015		na	na	na	na
7F	Revegetation	0	na	na	na	na
Subtotals:					0.00	\$0
Pad 8-3-298:						
8A	Fence removal...NA - Removed		na	na	na	na
8B	Borehole P&A...NA - All installed wells P&A'd		na	na	na	na
8C	Regrading...NA - Completed 2015		na	na	na	na
8D	Ripping...NA - Completed 2015		na	na	na	na
8E	Soil replacement...NA - Completed 2015		na	na	na	na
8F	Revegetation	1.341	Rev. crew	2	1.34	\$2,108
Subtotals:					1.34	\$2,108
Pad 9-9-298:						
9A	Fence removal...NA - Removed		na	na	na	na
9B	Borehole P&A...NA - All installed wells P&A'd		na	na	na	na
9C	Regrading...NA - Completed 2015		na	na	na	na
9D	Ripping...NA - Completed 2015		na	na	na	na
9E	Soil replacement...NA - Completed 2015		na	na	na	na
9F	Revegetation	1.522	Rev. crew	2	1.52	\$2,392
Subtotals:					1.52	\$2,392
Pad 10-32-198:						
10A	Fence removal...NA - Removed		na	na	na	na
10B	Borehole P&A...NA - All installed wells P&A'd		na	na	na	na
10C	Regrading...NA - Completed 2015		na	na	na	na
10D	Ripping...NA - Completed 2015		na	na	na	na
10E	Soil replacement...NA - Completed 2015		na	na	na	na
10F	Revegetation	1.504	Rev. crew	2	1.50	\$2,364
Subtotals:					1.50	\$2,364
Pad 11-16-298:						
11A	Fence removal...NA - Removed		na	na	na	na
11B	Borehole P&A...NA - All installed wells P&A'd		na	na	na	na
11C	Regrading...NA - Completed 2015		na	na	na	na
11D	Ripping...NA - Completed 2015		na	na	na	na
11E	Soil replacement...NA - Completed 2015		na	na	na	na
11F	Revegetation	0	na	na	na	na
Subtotals:					0.00	\$0
Pad 12-22-298:						
12A	Fence removal...NA - Removed		na	na	na	na
12B	Borehole P&A...NA - All installed holes P&A'd		na	na	na	na
12C	Regrading...NA - Completed in 2010		na	na	na	na
12D	Ripping...NA - Completed in 2010		na	na	na	na
12E	Soil replacement...NA - Completed in 2010		na	na	na	na
12F	Revegetation (retained if reseeding req'd)	0.000	na	na	na	na
Subtotals:					0.00	\$0
Pad 13-14-298:						
13A	Fence removal...NA - Removed		na	na	na	na
13B	Borehole P&A...NA - All installed holes P&A'd		na	na	na	na
13C	Regrading...NA - Completed in 2010		na	na	na	na
13D	Ripping...NA - Completed in 2010		na	na	na	na
13E	Soil replacement...NA - Completed in 2010		na	na	na	na
13F	Revegetation (retained if reseeding req'd)	1.170	Rev. crew	2	1.17	\$1,839
Subtotals:					1.17	\$1,839

Task No.	Description	Acres	Equipment	No. Units	Task Hours	Direct Cost
Pad 56-16-199 (B1-16):						
14A	Fence removal...NA - Removed		na	na	na	na
14B	Borehole P&A...NA - All installed holes P&A'd		na	na	na	na
14C	Regrading...NA - Completed in 2010		na	na	na	na
14D	Ripping...NA - Completed in 2010		na	na	na	na
14E	Soil replacement...NA - Completed in 2010		na	na	na	na
14F	Revegetation (retained if reseeding req'd)	0.000	Rev. crew	na	0.00	\$0
Subtotals:					0.00	\$0
Pad 57-15-199 (B2-15):						
15A	Fence removal...NA - Removed		na	na	na	na
15B	Borehole P&A...NA - All installed wells P&A'd		na	na	na	na
15C	Regrading...NA - Regrading completed 2014		na	na	na	na
15D	Ripping...NA - Ripping completed 2014		na	na	na	na
15E	Soil replacement...NA - Soil replacement completed 2014		na	na	na	na
15F	Revegetation (retained if reseeding req'd)	0.000	Rev. crew	na	0.00	\$0
Subtotals:					0.00	\$0
Pad 58-14-199 (B3-14):						
16A	Fence removal...NA - Removed		na	na	na	na
16B	Borehole P&A...NA - All installed holes P&A'd		na	na	na	na
16C	Regrading...NA - Completed in 2004		na	na	na	na
16D	Ripping...NA - Completed in 2004		na	na	na	na
16E	Soil replacement...NA - Completed in 2004		na	na	na	na
16F	Revegetation (retained if reseeding req'd)	1.660	Rev. crew	2	1.66	\$2,609
Subtotals:					1.66	\$2,609
Pad 60-21-199 (B4-21):						
17A	Fence removal...NA - Removed		na	na	na	na
17B	Borehole P&A...NA - All installed wells P&A'd		na	na	na	na
17C	Regrading...NA - Regrading completed 2014		na	na	na	na
17D	Ripping...NA - Ripping completed 2014		na	na	na	na
17E	Soil replacement...NA - Soil replacement completed 2014		na	na	na	na
17F	Revegetation (retained if reseeding req'd)		Rev. crew	2	0.00	\$0
Subtotals:					0.00	\$0
Pad 61-22-199 (B5-22):						
18A	Fence removal...NA - Removed		na	na	na	na
18B	Borehole P&A...NA - All installed holes P&A'd		na	na	na	na
18C	Regrading...NA - Completed in 2008		na	na	na	na
18D	Ripping...NA - Completed in 2008		na	na	na	na
18E	Soil replacement...NA - Completed in 2008		na	na	na	na
18F	Revegetation (retained if reseeding req'd)		Rev. crew	2	0.00	\$0
Subtotals:					0.00	\$0
Pad 62-23-199 (B6-23):						
19A	Fence removal...NA - Removed		na	na	na	na
19B	Borehole P&A...NA - All installed wells P&A'd		na	na	na	na
19C	Regrading...NA - Regrading completed 2014		na	na	na	na
19D	Ripping...NA - Ripping completed 2014		na	na	na	na
19E	Soil replacement...NA - Soil replacement completed 2014		na	na	na	na
19F	Revegetation (retained if reseeding req'd)	2.120	Rev. crew	2	2.12	\$3,332
Subtotals:					2.12	\$3,332
Pad 64-28-199 (B7-28):						
20A	Fence removal...NA - Removed		na	na	na	na
20B	Borehole P&A...NA - All installed holes P&A'd		na	na	na	na
20C	Regrading...NA - Completed in 2010		na	na	na	na
20D	Ripping...NA - Completed in 2010		na	na	na	na
20E	Soil replacement...NA - Completed in 2010		na	na	na	na
20F	Revegetation (retained if reseeding req'd)	1.230	Rev. crew	2	1.23	\$1,933
Subtotals:					1.23	\$1,933
Pad 65-27-199 (B8-27):						
21A	Fence removal...NA - Removed		na	na	na	na
21B	Borehole P&A...NA - All installed holes P&A'd		na	na	na	na
21C	Regrading...NA - Completed in 2004		na	na	na	na
21D	Ripping...NA - Completed in 2004		na	na	na	na
21E	Soil replacement...NA - Completed in 2004		na	na	na	na
21F	Revegetation (retained if reseeding req'd)		Rev. crew	2	0.00	\$0
Subtotals:					0.00	\$0
Pad 66-26-199 (B9-26):						
22A	Fence removal...NA - Removed		na	na	na	na
22B	Borehole P&A...NA - All installed wells P&A'd		na	na	na	na
22C	Regrading...NA - Regrading completed 2014		na	na	na	na
22D	Ripping...NA - Ripping completed 2014		na	na	na	na
22E	Soil replacement...NA - Soil replacement completed 2014		na	na	na	na
22F	Revegetation (retained if reseeding req'd)	3.110	Rev. crew	2	3.11	\$4,889
Subtotals:					3.11	\$4,889

Task No.	Description	Acres	Equipment	No. Units	Task Hours	Direct Cost
Pad 10-6 Access Road:						
23A	Fence removal...NA - No fence along road		na	na	na	na
23B	Borehole P&A...NA - Road only		na	na	na	na
23C	Regrading...NA - Completed in 2010		na	na	na	na
23D	Ripping...NA - Completed in 2010		na	na	na	na
23E	Soil replacement...NA - Completed in 2010		na	na	na	na
23F	Revegetation (retained if reseeding req'd)	0.160	Rev. crew	2	0.16	\$252
Subtotals:					0.16	\$252
Airplane Ridge Road (portion on BLM land)						
24A	NA - No demolition items		na	na	na	na
24B	NA - No boreholes (road only)		na	na	na	na
24C	Regrading (required if BLM decides to reclaim roadway)		na	na	na	na
24D	Ripping (required if BLM decides to reclaim roadway)		na	na	na	na
24E	Soil replacement (required if BLM decides to reclaim roadway)		na	na	na	na
24F	Revegetation (req'd if BLM decides to reclaim rd.)	13.180	Rev. crew	2	13.18	\$20,718
Subtotals:					13.18	\$20,718
Mobilization:						
25-1	Primary equipment mobilization/demobilization		Lowboy rig	2	4.00	\$1,963
25-2	Remob. between sites - Fence removal crews		Flatbed truck	3	3.70	\$545.23
25-3	Remob. between sites - Borehole abandonment crews		na	na	na	na
25-4	Remob. between sites - Dozers		na	na	na	na
25-5	Remob. between sites - Revegetation crews		Rev. crew	up to 2	5.65	\$1,195.77
Subtotals:					13.35	\$3,704