

Shell Frontier Oil & Gas Inc.

RECLAMATION COST ESTIMATE

COST SUMMARY

Site 2010 Consolidated Private Land NOI

Date August 19, 2021

File P-2003-022

GRAND TOTAL (direct + O&P + regulatory + contingency): **\$276,671**

INDIRECT COSTS:

Contractor's overhead & profit (O & P):	Liability insurance:	2.02%	of direct	\$2,994
	Performance bond:	1.55%	of direct	\$2,298
	Labor and materials payment bond*:	na	of direct	\$0
	Job supervision:	per JOB SUPERVISION Tab		\$87,360
	Profit:	10.00%	of direct	\$14,824
* Included with performance bond				
Total O & P:				<u>\$107,476</u>

Construction contract amount (direct + O & P): **\$255,714**

Regulatory agency administrative costs (bond calculations only):

Colorado DRMS statutory bond forfeiture administrative fee	5.00%	of contract	\$12,786
			\$0
			\$0
			\$0
			\$0
Colorado DRMS mandatory bond processing fee	- Corporate surety		\$500

Total regulatory agency administrative costs: **\$13,286**

Total indirect costs (O & P + regulatory): **\$120,762**

CONTINGENCY:

Approximate project development stage: - Final working drawing stage

3.00% add-on

Total: **\$7,671**

DIRECT COSTS:

Task No.	Description	Acres	Equipment	No. Units	Task Hours	Direct Cost
DIRECT COST TOTALS:		75.55	Revegetation		100.39	\$148,237.96
MDP/MTE Site:		50.07	Earthwork			
1A	Surface facilities demolition		na	na	na	na
1B	Borehole P&A		na	na	na	na
1C-1	Regrading - Dozer portion		na	na	na	na
1C-2	Regrading - Excavator portion		na	na	na	na
1C-3	Regrading - Backfill MFE/WTP infiltration ponds		na	na	na	na
1D	Ripping prior to soil replacement		na	na	na	na
1E-1	Soil replacement - Load and haul from borrow area		na	na	na	na
1E-2	Soil replacement - Spread stockpiled & imported soil		na	na	na	na
1F	Revegetation	10.50	Reveg. crew	2	10.50	\$20,466.16
Subtotal:					10.50	\$20,466.16
Upper monitoring sites:						
2A	Surface facilities demolition		na	na	na	na
2B	Borehole P&A		na	na	na	na
2C	Regrading		na	na	na	na
2D	Ripping prior to soil replacement		na	na	na	na
2E-1	Soil replacement - Load and haul from borrow area		na	na	na	na
2E-2	Soil replacement - Spread stockpiled & imported soil		na	na	na	na
2F	Revegetation	3.25	Reveg. crew	2	3.25	\$6,334.77
Subtotal:					3.25	\$6,334.77
Upper loop road:						
3A	Surface facilities demolition		na	na	na	na
3B	Borehole P&A		na	na	na	na
3C-1	Regrading - Excavator portion		na	na	na	na
3C-2	Regrading - Dozer portion		Cat D8T	1	1.77	\$332.05
3D	Ripping prior to soil replacement		na	na	na	na
3E-1	Soil replacement - Load and haul from borrow area		na	na	na	na
3E-2	Soil replacement - Spread stockpiled & imported soil		na	na	na	na
3F	Revegetation	2.36	Reveg. crew	2	2.36	\$4,600.01
Subtotal:					4.13	\$4,932.06

Upper facilities area:					
4A	Surface facilities demolition	na	na	na	na
4B	Borehole P&A...NA - No boreholes	na	na	na	na
4C	Regrading	Cat D8T	3	2.84	\$1,600.36
4D	Ripping prior to soil replacement	na	na	na	na
4E-1	Soil replacement - Load and haul from borrow area	na	na	na	na
4E-2	Soil replacement - Spread stockpiled & imported soil	na	na	na	na
4F	Revegetation	6.07	Reveg. crew	2	6.07
				Subtotal:	8.91
					\$13,431.75
MIT site:					
5A	Surface facilities demolition	na	na	na	na
5B	Borehole P&A	na	na	na	na
5C	Regrading	na	na	na	na
5D	Ripping prior to soil replacement	na	na	na	na
5E-1	Soil replacement - Load and haul from borrow area	na	na	na	na
5E-2	Soil replacement - Spread stockpiled & imported soil	na	na	na	na
5F	Revegetation (4.02ac.+0.48ac. MIT-M25 to M28 pads)	4.50	Reveg. crew	2	4.50
				Subtotal:	4.50
					\$8,771.21
Corral Gulch facility:					
6A	Surface facilities demolition	na	na	na	na
6B	Borehole P&A...NA - No boreholes	na	na	na	na
6C-1	Regrading - General backfilling & grading	na	na	na	na
6C-2	Regrading - Backfill exposed highwall	na	na	na	na
6C-3	Regrading - Backfill sewage treatment ponds	na	na	na	na
6D	Ripping prior to soil replacement	na	na	na	na
6E-1	Soil replacement - Dozer portion	na	na	na	na
6E-2	Soil replacement - Scraper portion	na	na	na	na
6F	Revegetation	23.39	na	na	na
				Subtotal:	0.00
					\$0.00
Hydrology / Water supply well pad 1-13:					
7A	Fence removal	Fence crew	2	0.71	\$83.96
7B	Borehole P&A...NA Holes P&A'd or not installed	na	na	na	na
7C	Regrading...NA - No regrading necessary	na	na	na	na
7D	Ripping...NA - No ripping necessary	na	na	na	na
7E	Soil replacement...NA - Not necessary	na	na	na	na
7F	Revegetation	0.46	Rev. crew	2	0.46
				Subtotal:	1.17
					\$980.57
Hydrology / Water supply well pad 2-7:					
8A	Fence removal	Fence crew	2	0.71	\$83.96
8B	Borehole P&A...Holes P&A'd or not installed	na	na	na	na
8C	Regrading...NA - No regrading necessary	na	na	na	na
8D	Ripping...NA - No ripping necessary	na	na	na	na
8E	Soil replacement...NA - Not necessary	na	na	na	na
8F	Revegetation	0.15	Rev. crew	2	0.15
				Subtotal:	0.86
					\$376.33
Drill pad 3-1-L1:					
9A	Fence removal...NA - Fence removed	na	na	na	na
9B	Borehole P&A...NA - Completed in 2010	na	na	na	na
9C	Regrading...NA - Completed in 2010	na	na	na	na
9D	Ripping...NA - Completed in 2010	na	na	na	na
9E	Soil replacement...NA - Not necessary	na	na	na	na
9F	Revegetation (retained if reseeding required)	2.86	Rev. crew	2	2.86
				Subtotal:	2.86
					\$5,574.59
Drill pad 10-6:					
10A	Fence removal...NA - Fence removed	na	na	na	na
10B	Borehole P&A...NA - Completed	na	na	na	na
10C	Regrading...NA - Completed in 2010	na	na	na	na
10D	Ripping...NA - Completed in 2010	na	na	na	na
10E	Soil replacement...NA - Not necessary	na	na	na	na
10F	Revegetation (retained if reseeding required)	1.29	Rev. crew	2	1.29
				Subtotal:	1.29
					\$2,514.41
Pads AW101 & AW102:					
11A	Fence removal...NA - Fence removed	na	na	na	na
11B	Borehole P&A...NA - P&A completed on all holes	na	na	na	na
11C	Regrading...NA - Not necessary	na	na	na	na
11D	Ripping...NA - Not necessary	na	na	na	na
11E	Soil replacement...NA - Not necessary	na	na	na	na
11F	Revegetation...NA - Included in tasks 11F & 17F	na	na	na	na

Drill pad B10-35:					
12A	Fence removal...NA - Fence removed	na	na	na	na
12B	Borehole P&A...NA - P&A completed on all holes	na	na	na	na
12C	Regrading...NA - No regrading necessary	na	na	na	na
12D	Ripping...NA - Completed in 2010	na	na	na	na
12E-1	Soil replacement - Load & haul...NA - Not necessary	na	na	na	na
12E-2	Soil replacement - Spread material...NA - Completed in 2010	na	na	na	na
12F	Revegetation (retained if reseeding required)	1.31	Rev. crew	2	\$2,553.40
				Subtotal:	1.31 \$2,553.40
Drill pad B11-36:					
13A	Fence removal...NA - Fence removed	na	na	na	na
13B	Borehole P&A...NA - P&A completed on all holes	na	na	na	na
13C	Regrading...NA - No regrading necessary	na	na	na	na
13D	Ripping...NA - No ripping necessary	na	na	na	na
13E	Soil replacement...NA - Not necessary	na	na	na	na
13F	Revegetation (retained if reseeding required)	1.07	Rev. crew	2	\$2,085.60
				Subtotal:	1.07 \$2,085.60
Drill pad B13-2:					
14A	Fence removal...NA - Fence removed	na	na	na	na
14B	Borehole P&A...NA - P&A completed on all holes	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-1	Soil replacement - Load & haul...NA - Not necessary	na	na	na	na
14E-2	Soil replacement - Spread material...NA - Completed in 2010	na	na	na	na
14F	Revegetation (retained if reseeding required)	2.18	Rev. crew	2	\$4,249.17
				Subtotal:	2.18 \$4,249.17
Drill pad B14-1:					
15A	Fence removal...NA - Fence removed	na	na	na	na
15B	Borehole P&A...NA - P&A completed on all holes	na	na	na	na
15C	Regrading...NA - No regrading necessary	na	na	na	na
15D	Ripping...NA - No ripping necessary	na	na	na	na
15E	Soil replacement...NA - Not necessary	na	na	na	na
15F	Revegetation (retained if reseeding required)	2.60	Rev. crew	2	\$5,067.81
				Subtotal:	2.60 \$5,067.81
Drill pad B15-6:					
16A	Fence removal...NA - Fence removed	na	na	na	na
16B	Borehole P&A...NA - P&A completed on all holes	na	na	na	na
16C	Regrading...NA - No regrading necessary	na	na	na	na
16D	Ripping...NA - Completed in 2010	na	na	na	na
16E-1	Soil replacement - Load & haul...NA - Not necessary	na	na	na	na
16E-2	Soil replacement - Spread material...NA - Completed in 2010	na	na	na	na
16F	Revegetation (retained if reseeding required)	2.39	Rev. crew	2	\$4,658.49
				Subtotal:	2.39 \$4,658.49
Drill pad 98-11-200 (B16-11):					
17A	NA - Released by DRMS in 2013	na	na	na	na
17B	NA	na	na	na	na
17C	NA	na	na	na	na
17D	NA	na	na	na	na
17E	NA	na	na	na	na
17F	NA	na	na	na	na
Drill pad B17-12:					
18A	Fence removal...NA - Fence removed	na	na	na	na
18B	Borehole P&A...NA - P&A completed on all holes	na	na	na	na
18C	Regrading...NA - Completed in 2010	na	na	na	na
18D	Ripping...NA - Completed in 2010	na	na	na	na
18E-1	Soil replacement - Load & haul...NA - Not necessary	na	na	na	na
18E-2	Soil replacement - Spread material...NA - Completed in 2010	na	na	na	na
18F	Revegetation (retained if reseeding required)	2.21	Rev. crew	2	\$4,307.64
				Subtotal:	2.21 \$4,307.64
Drill pad B18-7:					
19A	Fence removal...NA - Fence removed	na	na	na	na
19B	Borehole P&A...NA - P&A completed on all holes	na	na	na	na
19C	Regrading...NA - No regrading necessary	na	na	na	na
19D	Ripping...NA - Completed in 2010	na	na	na	na
19E-1	Soil replacement - Load & haul...NA - Not necessary	na	na	na	na
19E-2	Soil replacement - Spread material...NA - Completed in 2010	na	na	na	na
19F	Revegetation (retained if reseeding required)	1.15	Rev. crew	2	\$2,241.53
				Subtotal:	1.15 \$2,241.53

Drill pads PW1-1, W1-1, W2-1, & W3-1:					
20A	Fence removal...NA - Removed	na	na	na	na
20B	Borehole P&A...NA - P&A completed on all holes	na	na	na	na
20C	Regrading...NA - Completed	na	na	na	na
20D	Ripping...NA - Completed	na	na	na	na
20E	Soil replacement...NA - Not necessary	na	na	na	na
20F	Revegetation (retained if reseeding required)	1.79	Rev. crew	2	1.79
				Subtotal:	1.79
					\$3,488.99
Drill pad 6-25:					
21A	Fence removal...NA - Fence removed	na	na	na	na
21B	Borehole P&A...NA - P&A completed	na	na	na	na
21C	Regrading...NA - No regrading necessary	na	na	na	na
21D	Ripping...NA - No ripping necessary	na	na	na	na
21E	Soil replacement...NA - Not necessary	na	na	na	na
21F	Revegetation (retained if reseeding required)	0.25	Rev. crew	2	0.25
				Subtotal:	0.25
					\$487.29
Meteorological stations:					
22A	Demolition	Demo. crew	2	17.10	\$4,082.35
22B	Borehole P&A...NA - No holes drilled	na	na	na	na
22C	Regrading...NA - No regrading necessary	na	na	na	na
22D	Ripping...NA - No ripping necessary	na	na	na	na
22E	Soil replacement...NA - Not necessary	na	na	na	na
22F	Revegetation	0.19	Rev. crew	2	0.19
				Subtotal:	17.29
					\$4,452.69
Utility corridors & soil borrow areas:					
23F	Revegetate disturbed areas	5.58	Reveg. crew	2	5.58
					\$10,876.30
Mobilization:					
24-1	Primary equipment mobilization and demobilization	Lowboy rig	30	4.00	\$34,049.01
24-2	Remob. between sites - Structural demolition crews	na	na	na	na
24-3	Remob. between sites - Fence removal crews	Flatbed truck	3	4.75	\$699.96
24-4	Remob. between sites - Borehole abandonment crews	na	na	na	na
24-5	Remob. between sites - Dozers	Cat D8T	up to 3	7.75	\$3,818.12
24-6	Remob. between sites - Revegetation crews	Rev. crew	up to 2	8.60	\$1,820.10
				Subtotals:	25.10
					\$40,387.19