

Welba Peak Pipeline
Compression at Entek Site 2016 Drill Schedule

Pipeline Cost Estimate

PRM

Project Name: Welba Peak Gathering
Tie In to Welba Peak Pipeline
Location: Moffat County, Colorado

Date: 01/15/16

of Pads: 5

Description	Units	Cost/Unit	Subtotal	Total
Right of Way				
Surveying (ft)	67100	0.55 \$	36,905	
Damages (ft)	67100	2 \$	134,200	
Landman (days)	10	850 \$	8,500	
Total ROW				\$ 179,605

Material Cost

2" Line Pipe (ft) SDR-11	0	0.85 \$	-	
4" Line Pipe (ft) .188 Steel	4200	5.00 \$	21,000	
6" Line Pipe (ft) .188 Steel	2600	7.00 \$	18,200	
8" Line Pipe (ft) .219 Steel	2300	10.25 \$	23,575	
10" Line Pipe (ft) 0.250 Steel	0	14.50 \$	-	
12" Line Pipe (ft) .312" Steel	18000	20.25 \$	364,500	
20" Line Pipe (ft) .375 Steel	40000	38.5 \$	1,540,000	
Locate Wire	0	0.13 \$	-	
Block Valve	1	25400 \$	25,400	
Launcher	5	45000 \$	225,000	
Receiver	3	54000 \$	162,000	
Cathodic Protection	2	25000 \$	50,000	
503 EFM Installed	1	15000 \$	15,000	
407 EFM Installed	0	10973 \$	-	
Tank	1	8500 \$	8,500	
Meter run	5	25000 \$	125,000	
Electronic Metering	5	10000 \$	50,000	
Line Markers	125	75 \$	9,375	
Process Equipment	1	55000 \$	55,000	
Instrumentation	0	17000 \$	-	
Misc Fittings (15%)			\$ 403,883	
Sales Tax (6%)			\$ 185,786	
Freight and Handling (5%)			\$ 164,111	
Total Material				\$ 3,446,329

Installation Cost

Install 2" Poly Pipe (ft)	0	0.9 \$	-	
Install 4" Steel (ft)	4200	10.5 \$	44,100	
Install 6" Steel (ft)	2600	14 \$	36,400	
Install 8" Steel (ft)	2300	18.5 \$	42,550	
Install 10" Steel Pipe (ft)	0	27 \$	-	
Install 12" Steel Pipe (ft)	18000	32 \$	576,000	
Install 20" Steel Pipe (ft)	40000	53 \$	2,120,000	
Install Compression	0	45000 \$	-	
Road Reclamation	0	90000 \$	-	
Set Launcher	5	15000 \$	75,000	
Set Receiver	3	15000 \$	45,000	
Setting Drips & Tanks	2	8500 \$	17,000	
X-Ray	30	1800 \$	54,000	
Inspector	60	1200 \$	72,000	
Measurement Installation	6	12500 \$	75,000	
Misc Construction (15%)			\$ 466,943	
Total Installation				\$ 3,623,993

Miscellaneous

Engineering	\$ 50,000	
Permits	\$ 7,500	
Environmental Studies	\$ -	
Mainline Tap Fee	\$ -	
Total Misc		\$ 57,500

Total Direct Cost \$ 7,307,427

Contingency (10%) 730,743

Total Estimated Installation Cost **\$ 8,038,170**

cost / Pad \$ 1,607,634