

TRACK RECORD- SPECIALTY CHEMICAL

NO.	Project Name	Location	Scope of Work	Results
1	Hiring of Demulsifier	India	Provision of Desk Study and Laboratory Analysis Provision of Specialty Chemical Provision of Manpower	Achieved <4% (v/v) average water cut (KPI maximum 7% v/v)
2	Main Oil Line 22 Debris Cleaning	Oman (PDO)	Provision of Desk Study and Laboratory Analysis Provision of Specialty Chemical Provision of Manpower Provision of Associated Equipment	20" 60Km line was successfully cleaned online. Unpiggable line was restored to pigging condition
3	Well Stimulation for Heavy Crude	Oman (Occidental)	Provision of Desk Study and Laboratory Analysis Provision of Specialty Chemical Provision of Manpower Provision of Associated Equipment	Full tubing treatment and near wellbore remediation for 3 wells Crude viscosity reduction by 70-80% Production incremental by 30-40%
4	Activation of Idle Well (Heavy Wax)	South East Asia	Provision of Desk Study and Laboratory Analysis Provision of Specialty Chemical Provision of Manpower Provision of Associated Equipment	Full tubing treatment and near wellbore remediation > 400 OPD instantaneous gain and sustained with natural flow
5	Idle Well Reactivation	South East Asia	Provision of Desk Study and Laboratory Analysis Provision of Specialty Chemical Provision of Manpower Provision of Associated Equipment	Full tubing treatment and near wellbore remediation for 2 wells Instantaneous gain of 850 BOPD & 350 BOPD respectively with sustenance over 5 years
6	Productivity Improvement of wells impaired with heavy wax	South East Asia	Provision of Desk Study and Laboratory Analysis Provision of Specialty Chemical Provision of Manpower Provision of Associated Equipment	Full tubing treatment and near wellbore remediation for 6 wells Instantaneous gain of between 200BOPD and 670 BOPD with minimum sustenance of 13 months

Barik Engineering & Technical Services, Oman
Integrated Energy Solutions

TRACK RECORD- CHEMICAL+HYDROMECHANICAL PIPELINE CLEANING-cont

Pipeline Diameter (inch)	Pipeline Diameter (mm)	Length (KM)	Type of Line	Scope of Work	Type of Cleaning	Location
6"	154	2.6	Gas Line	Provision of Desk Study and Laboratory Analysis Provision of Specialty Chemical Provision of Manpower Provision of Associated Equipment	Bare Metal	Netherland
10"	250	3.4	Gas Line		Bare Metal	France
12"	314	9	Gas Line		Bare Metal	France
6"	154	10.6	Oil Line		Dewaxing & Descaling	England
10"	244	5.7	Oil Line		Dewaxing & Descaling	England
24"	581	24	Oil Line		Dewaxing & Corrosion	North Sea
34"	827	360	Oil Line		Dewaxing & Corrosion	North Sea
10"	244	15.6	Oil Line		Dewaxing & Descaling	North Sea
12"	300	14.8	Multiphase Line		Dewaxing & Descaling	North Sea
20"	473	28.3	Oil Line		Dewaxing & Descaling	North Sea
20"	473	28.3	Oil Line		Dewaxing & Descaling	North Sea
16"	371	22	Multiphase Line		Descaling	North Sea
12"	324	6.4	Oil Line		Bare Metal	North Sea
20"	476	38.6	Oil Line		Bare Metal	North Sea
10"	244	5.7	Oil Line		Bare Metal	North Sea
16"	387	91	Oil Line		Bare Metal	England
16"	482	25.1	Oil Line		Bare Metal	North Sea
24"	581	24	Oil Line		Dewaxing & Corrosion	North Sea
34"	827	360	Oil Line		Dewaxing & Corrosion	North Sea
8"	191	10.2	Oil Line		Bare Metal	North Sea
8"	187	6.8	Oil Line		Bare Metal	North Sea
14"	321	12.5	Oil Line		Bare Metal	North Sea
34"	848	452	Oil Line		Bare Metal	France
8"	209	12	Oil Line		Bare Metal	North Sea

TRACK RECORD- CHEMICAL+HYDROMECHANICAL PIPELINE CLEANING-cont

Pipeline Diameter (inch)	Pipeline Diameter (mm)	Length (KM)	Type of Line	Scope of Work	Type of Cleaning	Location
8"	194	12	Oil Line	Provision of Desk Study and Laboratory Analysis Provision of Specialty Chemical Provision of Manpower Provision of Associated Equipment	Bare Metal	North Sea
10"	244	15.6	Oil Line		Bare Metal	North Sea
12"	308	14.9	Multiphase Line		Dewaxing & Descaling	North Sea
16"	371	22	Multiphase Line		Descaling	North Sea
10"	244	12	Multiphase Line		Dewaxing & Descaling	North Sea
10"	244	12	Multiphase Line		Dewaxing & Descaling	North Sea
10"	244	12	Multiphase Line		Dewaxing & Descaling	North Sea
10"	244	12	Multiphase Line		Dewaxing & Descaling	North Sea
10"	244	12	Multiphase Line		Dewaxing & Descaling	North Sea
10"	244	12	Multiphase Line		Dewaxing & Descaling	North Sea
10"	244	12	Multiphase Line		Dewaxing & Descaling	North Sea
10"	244	12	Multiphase Line		Dewaxing & Descaling	North Sea
12"	298	25	Oil Line		Dewaxing & Descaling	North Sea
12"	298	25	Oil Line		Dewaxing & Descaling	North Sea
20"	476	44	Oil Line		Dewaxing & Descaling	North Sea
20"	476	44	Oil Line		Dewaxing & Descaling	North Sea
20"	476	44	Oil Line		Dewaxing & Descaling	North Sea
20"	476	44	Oil Line		Dewaxing & Descaling	North Sea
20"	476	44	Oil Line		Dewaxing & Descaling	North Sea
20"	476	44	Oil Line		Dewaxing & Descaling	North Sea
20"	476	44	Oil Line		Dewaxing & Descaling	North Sea
20"	476	44	Oil Line		Dewaxing & Descaling	North Sea
24"	581	24	Oil Line		Dewaxing & Corrosion	North Sea
34"	827	360	Oil Line		Dewaxing & Corrosion	North Sea
8"	187	6.85	Oil Line		Bare Metal	North Sea

TRACK RECORD- AUTOMATED TANK CLEANING WITH HYDROCARBON

No.	Client	Tank Size (bbl.)	Scope Of Work	Recovered HC (bbl.)	Recovered HC (%)	Stock Price (USD)	Value Recovered HC (USD)
1	Libya	560,000	Provision of Desk Study and Laboratory Analysis Provision of Specialty Chemical Provision of Manpower Provision of Associated Equipment	33,000	95.93	28.8	950,400
2	Libya	500,000		120,896	99.5	30.56	3,694,582
3	Libya	502,880		110,327	99.71	35.79	3,948,603
4	Libya	500,000		38,428	99.04	47.22	1,814,570
5	Libya	1,000,000		38,267	98.12	52.26	1,999,833
6	Libya	500,000		34,950	99.94	64.37	2,249,732
7	Libya	560,000		25,225	99.9	73.21	1,846,722
8	Libya	560,000		12,000	97.17	69.65	835,800
9	Libya	500,000		14,472	99.12	92.41	1,337,358
10	Libya	560,000		40,254	99.89	114.13	4,594,189
11	Libya	560,000		23,502	97.93	126.72	2,978,173
12	Libya	260,000		1,680	98.82	48.51	81,497
13	Libya	560,000		18,161	99.79	75.52	1,371,519
14	Libya	560,000		44,218	99.93	76.63	3,388,425
15	Libya	268,000		26,930	99.52	83.19	2,240,307
16	Libya	268,000		18,130	99.62	78.68	1,426,468
17	Libya	500,000		11,984	99.96	96.85	1,160,650
18	Libya	268,000		4,695	99.89	99.5	467,153
19	Libya	268,000		10,193	99.93	102.09	1,040,603
20	Libya	268,000		24,950	99.8	102.61	2,560,120
21	Libya	268,000		24,717	98.56	94.24	2,329,330
22	Libya	200,000		27,281	99.63	46.24	1,261,473
23	Libya	560,000		57,416	99.95	65.38	3,753,858
24	Libya	560,000		55,988	93.31	47.29	2,647,673
25	Libya	120,000		4,174	102.05	48.69	203,232
26	Nigeria	36,000		1,673	99.58	62.96	105,332
27	Nigeria	421,000		11,121	99.19	45.76	508,897
28	Nigeria	421,000		3,098	99.74	73.27	226,990
29	Nigeria	400,000		26,984	99.83	96.81	2,612,321
30	Nigeria	400,000		27,350	99.87	79.63	2,177,881
31	Nigeria	200,000		29,074	99.65	78.34	2,277,657