

Case Study 3

Issue

- Underperforming Producer Wells
- To sidetrack or retrofit?

10 Producer Sidetracks

- 100% FCD coverage (1 FCD every joint)
- Varying nozzle sizes throughout laterals

Timeline

- Sidetracked wells in 2022 and 2023
- 2-year average sidetrack production

End Result

- ~\$100M return on capital
- (with \$30 netback, 12% opportunity cost)

Timeline			Daily Average Oil			Oil [barrels]					Estimated Return [\$M]
Prior [years]	Post [years]	Still Operating	Prior [BPD]	Post Trend [BPD]	Post [BPD]	Prior to Redrill	Post Trend No Redrill	Post Redrill	Uplift with Redrill	Total	
-10.7	1.9	Yes	389	34	442	1,524,791	23,495	309,655	286,160	1,834,446	\$ 8.5
-11.4	1.2	Yes	269	316	563	1,123,323	135,035	240,482	105,447	1,363,805	\$ 1.4
-10.1	2.6	Yes	171	83	568	629,747	78,170	536,864	458,694	1,166,610	\$ 15.1
-10.7	1.9	Yes	236	80	657	923,286	55,906	459,926	404,020	1,383,212	\$ 12.1
-10.0	2.6	Yes	209	53	431	765,197	50,022	407,701	357,679	1,172,898	\$ 11.8
-9.9	2.8	Yes	363	136	288	1,307,290	136,565	289,526	156,849	1,596,817	\$ 4.4
-9.7	2.4	Yes	370	39	439	1,314,498	34,409	388,353	353,944	1,702,851	\$ 11.2
-9.5	2.7	Yes	398	187	574	1,378,363	182,285	559,917	377,632	1,938,280	\$ 12.5
-9.7	2.4	Yes	318	93	249	1,128,167	82,590	220,281	140,221	1,348,448	\$ 3.8
-9.3	2.6	Yes	130	87	497	443,269	82,517	469,811	387,295	913,081	\$ 12.4

