



CASED HOLE LOGGING Gas Lift Valve Optimization Survey

APPLICATION

GLV Optimization
Tubing Integrity

TECHNOLOGY

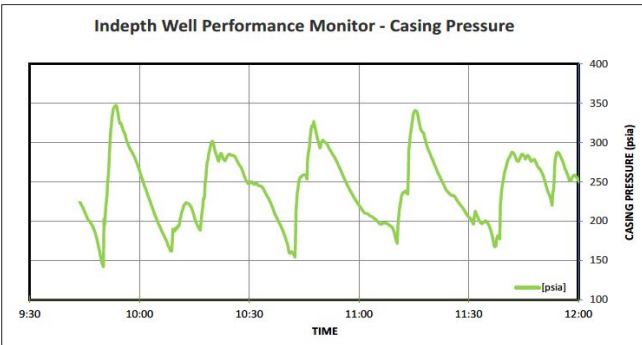
Production Log Survey
Indepth Performance Monitoring

LOCATION

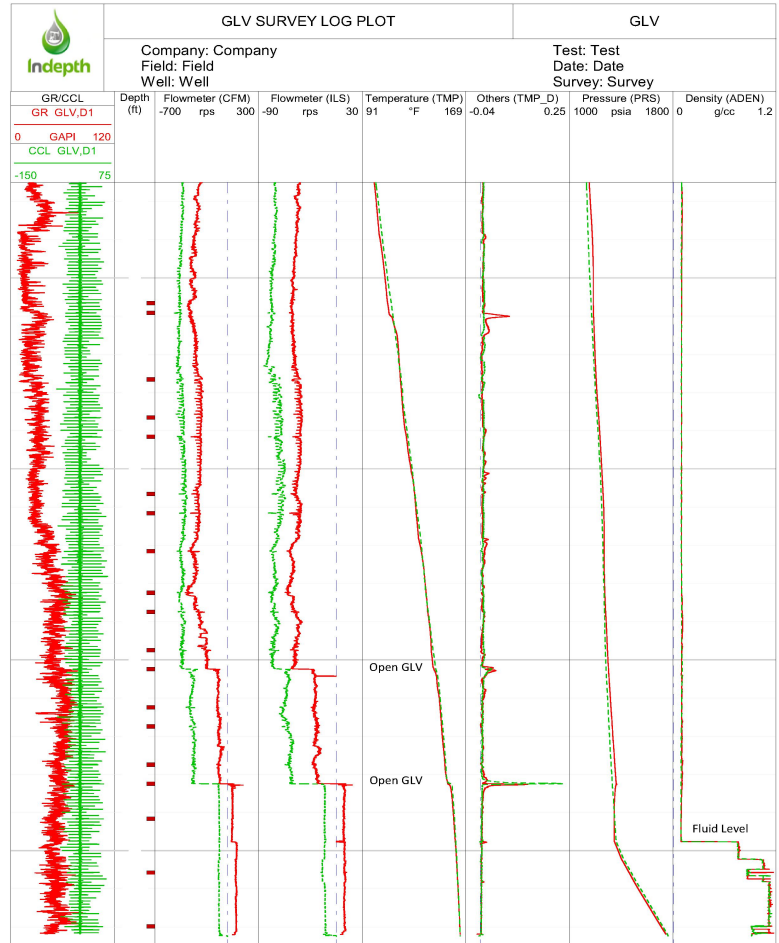
Texas, USA

CHALLENGE:

To evaluate the installed GLV system for functionality and efficiency, including depth of valve, fail open or closed, tubing leaks, or scale build up.



GAS LIFT VALVE SUMMARY TABLE									
GAS LIFT VALVE (FT)		STATUS	FLOWMETER	TEMPERATURE		PRESSURE		DENSITY	
GLV	TOP	BTM.	RPS	DEG F	DEG F/FT	PSI	PSI/FT	G/CC	
SRF		275.0	N/A	96.1	N/A	1112.4	N/A	0.10	
1	2261.9	- 2266.0	CLOSED	-364.3	109.9	0.007	1183.9	0.036	0.10
2	2364.9	- 2369.0	CLOSED	-354.9	111.0	0.010	1185.4	0.017	0.10
3	3060.9	- 3065.0	CLOSED	-249.2	119.7	0.012	1206.1	0.030	0.10
4	3460.9	- 3465.0	CLOSED	-245.3	122.1	0.006	1225.5	0.050	0.10
5	3661.9	- 3666.0	CLOSED	-258.5	124.1	0.011	1235.3	0.048	0.10
6	4259.9	- 4264.0	CLOSED	-288.3	130.3	0.010	1259.4	0.040	0.10
7	4461.9	- 4466.0	CLOSED	-272.2	131.6	0.006	1265.8	0.031	0.10
8	4860.9	- 4865.0	CLOSED	-354.7	135.3	0.010	1267.4	0.003	0.10
9	5295.9	- 5300.0	CLOSED	-387.4	139.0	0.008	1273.1	0.014	0.10
10	5495.9	- 5500.0	CLOSED	-278.0	140.2	0.006	1279.0	0.030	0.10
11	5895.9	- 5900.0	CLOSED	-214.9	143.0	0.007	1293.3	0.035	0.11
12	6095.9	- 6100.0	OPEN	-202.3	144.5	0.008	1300.8	0.038	0.10
13	6495.9	- 6500.0	CLOSED	-93.0	149.6	0.011	1319.9	0.048	0.10
14	6695.9	- 6700.0	CLOSED	-71.8	150.8	0.006	1330.0	0.050	0.10
15	7095.9	- 7100.0	CLOSED	-89.1	153.3	0.007	1349.7	0.049	0.11
16	7295.9	- 7300.0	OPEN	-76.2	155.3	0.011	1360.4	0.053	0.10
17	7662.9	- 7667.0	CLOSED	48.3	159.9	0.009	1344.9	-0.043	0.09
18	8226.9	- 8231.0	CLOSED	77.6	162.5	0.005	1454.1	0.204	0.87
19	8789.9	- 8794.0	CLOSED	84.7	164.5	0.003	1699.7	0.44	1.12



INDEPTH SOLUTION:

Indepth Production Solutions runs a full slim PLT string which allows for a complete image of the GLV Operation. In addition, surface pressure recorders are ran in conjunction with the survey to confirm well injection stability.

CLIENT VALUE:

It was determined from the Indepth Production Solutions GLV Optimization Survey, that two of the valves were open and that the fluid level in the tubing was well below both valves. In one simple run the GLV Optimization Survey can easily locate completions issues both on surface and downhole to deliver the trusted results allowing you to make accurate & efficient decisions regarding your interests.

