ejugdiby Opper 2612/2012/12/12:53 PM	State of New Mexico	FormPage 0301		
Office	Energy, Minerals and Natural Resources	Revised July 18, 2013		
<u>District I</u> – (575) 393-6161 1625 N. French Dr., Hobbs, NM 88240	Energy, minerale and i man i energy	WELL API NO.		
District II – (575) 748-1283	OIL CONSERVATION DIVISION	30-025-40448		
811 S. First St., Artesia, NM 88210		5. Indicate Type of Lease		
District III - (505) 334-6178	1220 South St. Francis Dr.	STATE 🔲 FEE 🛛		
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87505	6. State Oil & Gas Lease No.		
<u>District IV</u> – (505) 476-3460 1220 S. St. Francis Dr., Santa Fe, NM	·_ ··· · · · · · · · · · · · · · · · ·	NMLC063798		
87505				
	AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name		
(DO NOT USE THIS FORM FOR PROPOSALS	TO DRILL OR TO DEEPEN OR PLUG BACK TO A			
DIFFERENT RESERVOIR. USE "APPLICATIO	ON FOR PERMIT" (FORM C-101) FOR SUCH	RED HILLS AGI		
PROPOSALS.)		8. Well Number #001		
1. Type of Well: Oil Well Gas	Well 🛛 Other			
2. Name of Operator		9. OGRID Number 372422		
Lucid Energy Delaware LLC				
3. Address of Operator		10. Pool name or Wildcat		
3100 MCKINNON STREET, SUITE 80	00. DALLAS, TX	EXPL. CHERRY CANYON		
4. Well Location		Cut Cut the EAST line		
Unit Letter_I_:1600	_feet from theSOUTH line and150_			
Section 13	Township 24S Range 33E	NMPM County LEA		
11	. Elevation (Show whether DR, RKB, RT, GR, etc.)			
	80 GR			

	TENTION TO: PLUG AND ABANDON		ALTERING CASING
TEMPORARILY ABANDON PULL OR ALTER CASING	CHANGE PLANS MULTIPLE COMPL	COMMENCE DRILLING OPNS.	P AND A
DOWNHOLE COMMINGLE			
CLOSED-LOOP SYSTEM OTHER:		OTHER:	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Lucid Energy ran a Distributive Temperature Survey from 2/01/21 to 2/03/21 using Baker Hughes Surveiew Technology and Fiber Optics run from the surface to the Permanent Packer at 6188' (KB corrected). The Baker Hughes report (attached) indicates an anomaly in the tubing/annulus from 5320'-5410' and a second anomaly in the casing at 4930'. Baker also ran a MultiFinger MF) Caliper Log and a High Resolution (HR) Verti Log. The entire wellbore was logged with the MF Log and 100% of the casing was rated Class 1 indicating no or very little corrosion. The HR Verti Log logged from 5698' to surface and 100% of that casing was rated Class 1 with no internal or external corrosion detected. These logs and reports will be attached.

The 3 1/2" injection tubing was pulled and will be tested in Lovington to determine the tubing condition.

A work string of 2 7/8" tubing was picked up and a 7" test packer was run to accurately test all casing. After multiple settings, it was determined there is small leak-off in and around the DV tool from 5530' to 5540', the DV tool is at 5535' Test pressure of 1500 psi was used and leak off was less than 100 psi in 1 hour.

Lucid proposes to run a casing patch from 5520' to 5560' and pressure test casing and patch. A new Halliburton Permanent packer will be run and stung into the existing packer at 6188'. New packer Depth will be estimated at 6168' and will be within 100' of top perf at 6226'.

Spud Date:	October 23,2013	Rig Release Date:	November 20,2013	
I hereby certif	fy that the information above is tr	ue and complete to the best of	f my knowledge and belief.	
SIGNATURE		E-mail address: pra	Lucid EnergyDA	ATE_02/12/2021 PHONE: 575-626-7903
Type or print	name_PAUL RAGSDALE	E-man addresspra	gsuales / 2 / @gman.com1	
For State Use	Cultin Q	Let PITLE Acting	UIC Manager	DATE 02/12/2021
Conditions of Released to Ima	Approval (if any): ging: 2/12/2021 4:18:29 PM			



Red Hills AGI-1 Leak Detection

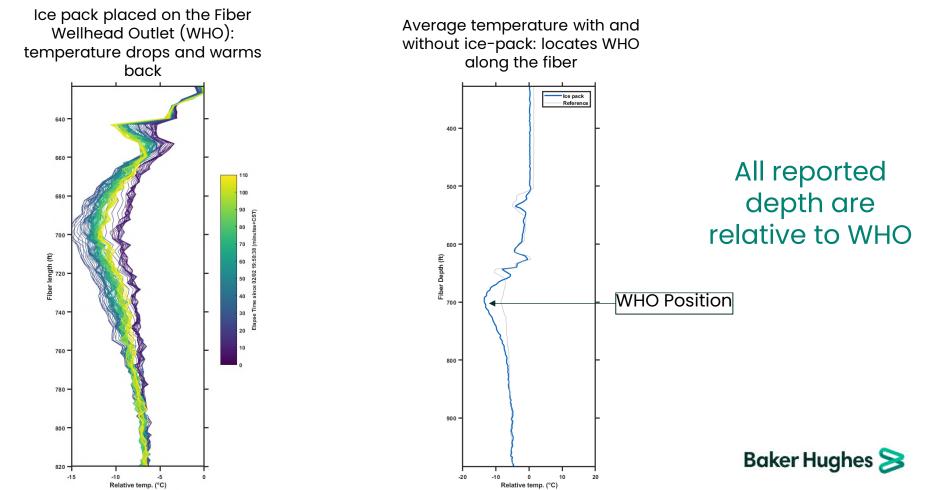
Preliminary report

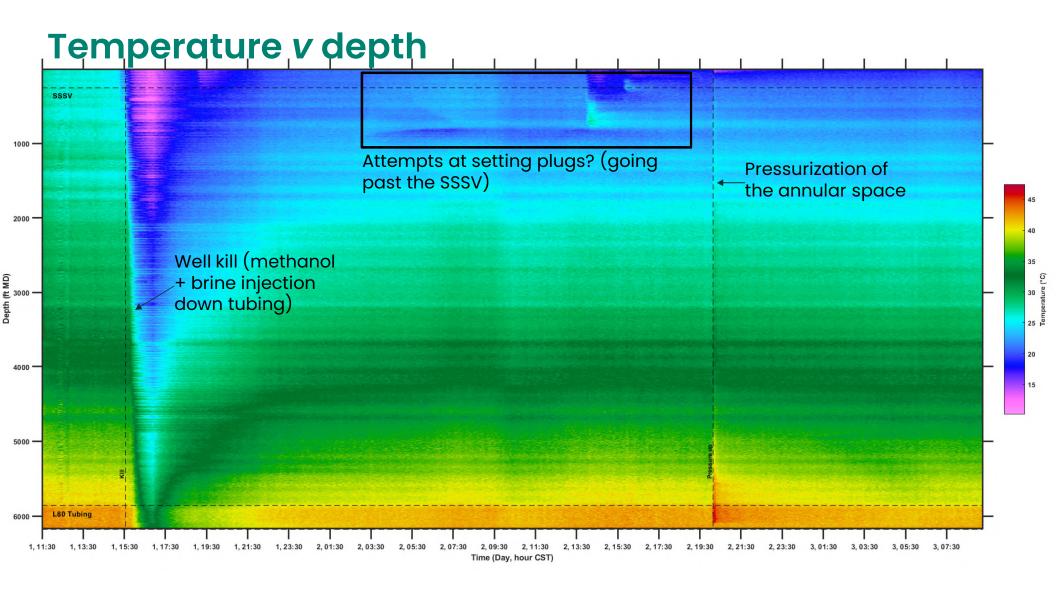
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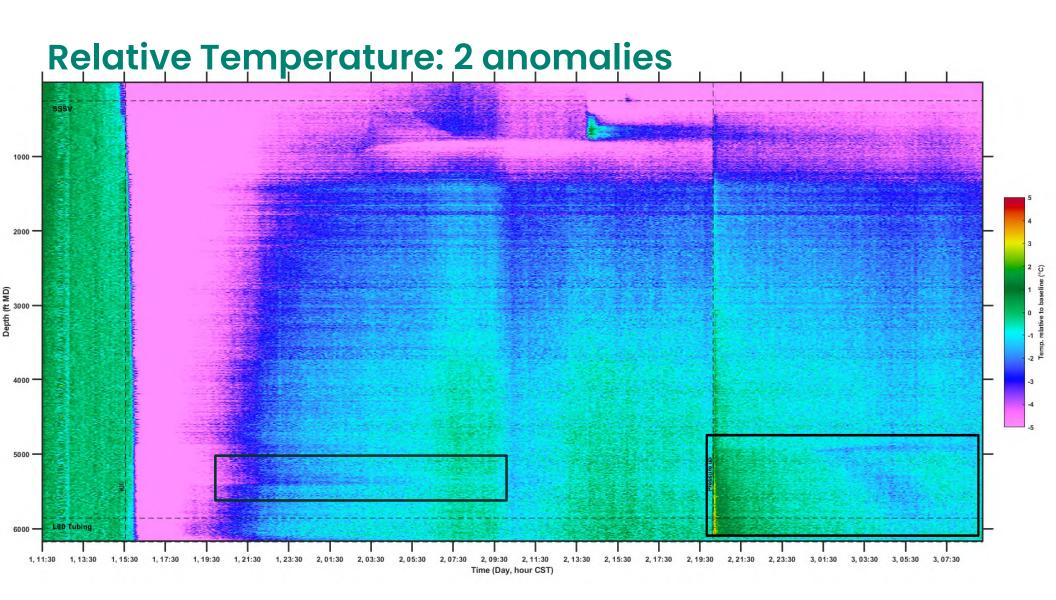
February 5, 2021

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Depth Calibration

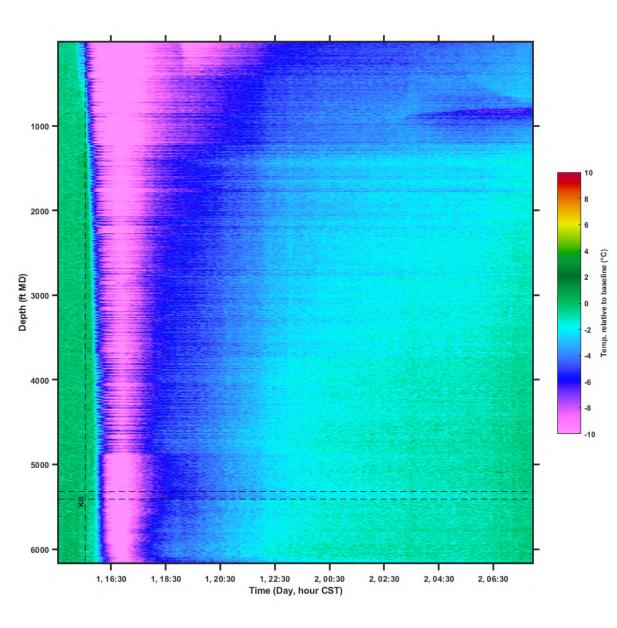






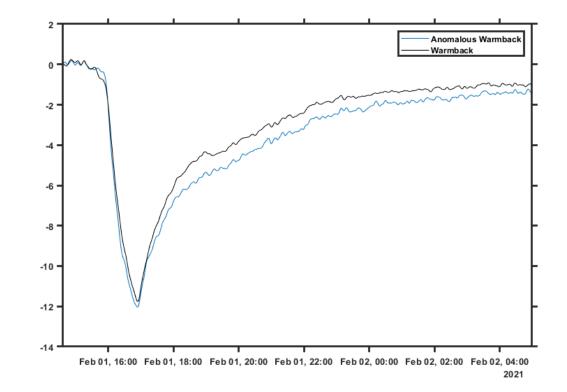
Anomaly 1

- Cold fluids in tubing → conduction driven warmback in the annulus
- Warmback rate anomaly ≈ 5,320ft 5410ft: slower warmback, implying cold fluids flowing into the annulus.



Anomaly 1

- Cold fluids in tubing → conduction driven warmback in the annulus
- Warmback rate anomaly ≈ 5,320ft 5,410ft: slower warmback, implying cold fluids flowing into the annulus
- Comparison of average temperatures in the above depth range (5,320-5,410) to average temperatures 100ft below this range shows a clear warmback rate difference signature.





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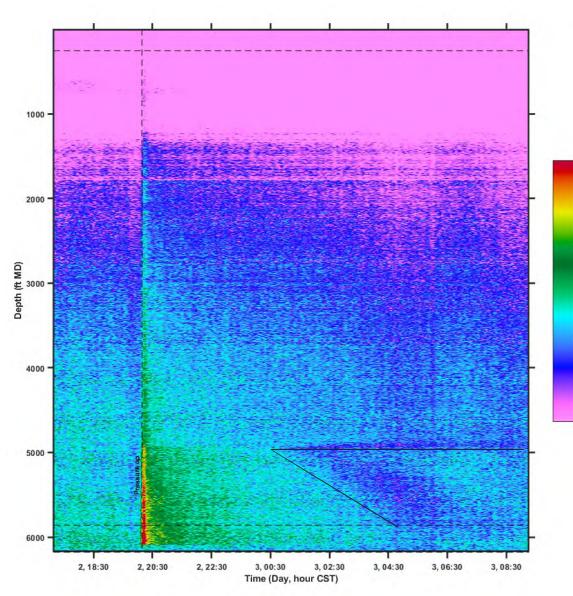
femp. relative to baseline ("C)

-2

Anomaly 2

Pressurization of the annular space generates an "immediate" temperature increase in the annular space.

Temperature anomaly clearly shows at about 4,930', both during the pressurization and the following cool down.



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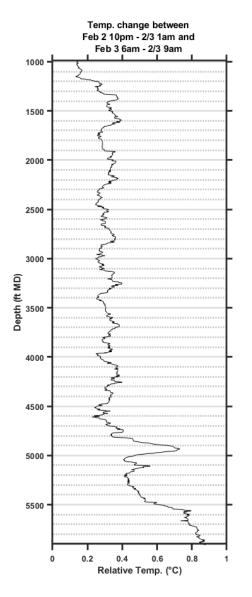
Anomaly 2

Pressurization of the annular space generates an "immediate" temperature increase in the annular space.

Temperature anomaly clearly shows at about 4,930', both during the pressurization and the following cool down.

Figure shows difference of temperatures averaged in two distinct time windows – between 10pm and 1am, on one hand, and 6am and 9am, on the other.

A possible scenario (to be confirmed) is that (colder, denser) reservoir fluids penetrate in the annular space at the \approx 4,930' mark and percolate down the annulus.





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Conclusion

- Two anomalies were found during (1) well kill and (2) annulus pressurization:
 - Warmback anomaly found at 5,320' 5,410'. This feature can possibly be related to a leak between tubing and annulus
 - Temperature anomaly found at ≈ 4,930′. While unconclusive without further information (formation pressure and temperature, formation fluid composition), this anomaly can be related to reservoir fluids penetrating the annular space, suggesting a casing integrity breach at this depth
- Multiple anomalies can be observed in the upper (< 1,000') section of the well when attempting to set the plugs in the tubing.

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Well: AGI #1 County: Lea Analyst: E. Veliz Pipe: 7", 29#

Top Depth: 17.0' Bottom Depth: 6162.5' Run#: 1 # Fingers: 56 Arm Date: Feb. 08, 2021 Tool Size: 3.5" Tool Type: Multi Arm Correlated to CBL logged 12-14-2017

The parameters used to analyze the data set: OD: 7', ID: 6.184", 29# with a wall thickness of 0.408" (Best fit for the data set)

The MAC survey was correlated to the CBL logged 12-14-2017.

All joints reported in the Class 1 range at this time.

Note that the upper connection of Joints 140, 141 and 142 are different from the rest (See log for example). The upper connection of Joint 140 also looks different on the HRVRT data set and could possibly be a welded connection.

Joint #139 is a 11.1' short joint. Joint #140 is a 7.7' short joint. Joint #141 is a 16.1' short joint. Joint #142 is a 19.9' short joint.

DV Tool from 5535.0' - 5537.9'

DISCLAIMER:

These results were generated semi-automatically, using EPIDOTE - MIPS analysis software. The data was acquired using HotWell casing inspection tools. HotWell accepts no responsibility for the accuracy of the results that are presented.

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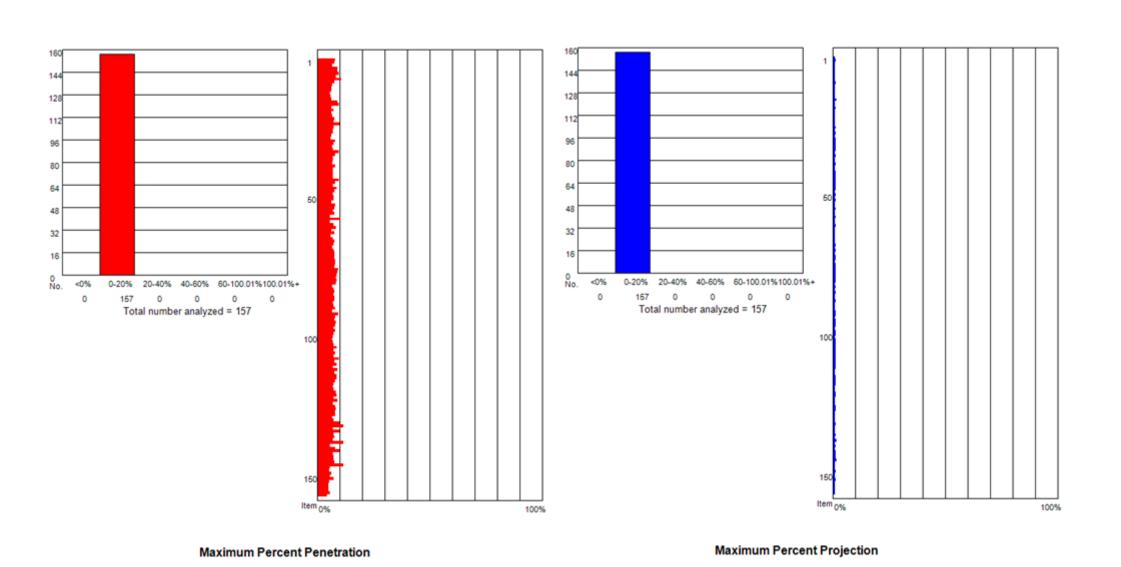
 Baker Hughes
 Chent: Lucid Energy

 Well: AGI #1
 Top Depth: 17.0'
 Date: Feb. 08, 2021

 County: Lea
 Bottom Depth: 6162.5'
 Tool Size: 3.5"

 Analyst: E. Veliz
 Run#: 1
 Tool Type: Multi Arm

 Pipe: 7", 29#
 # Fingers: 56 Arm
 Correlated to CBL logged 12-14-2017



.

 Baker Hughes
 Contribution Energy

 Well: AGI #1
 Top Depth: 17.0'
 Date: Feb. 08, 2021

 County: Lea
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 Tool Size: 3.5"

 Analyst: E. Veliz
 Run#: 1
 Tool Type: Multi Arm

 Pipe: 7", 29#
 # Fingers: 56 Arm
 Correlated to CBL logged 12-14-2017

Item Number	Top Body	Body Length	NomID At Max Pen	Mean Median Ins	Max Pen Ins	Max Pen %	Max Pen Depth	Max Loss %	Min Wall Ins	Min Diam Ins	Comments
1	16.923	14.136	6.184	6.293	6.348	7.823	30.122	1.086	0.326	6.255	Class 1
2	31.569	39.830	6.184	6.260	6.315	7.472	50.343	1.556	0.342	6.225	Class 1
3	72.199	37.840	6.184	6.276	6.324	6.650	82.293	1.233	0.338	6.239	Class 1
4	111.729	42.302	6.184	6.252	6.318	8.833	148.734	1.764	0.341	6.220	Class 1
5	154.911	37.104	6.184	6.266	6.332	8.946	190.028	1.307	0.334	6.226	Class 1
6	192.684	34.866	6.184	6.266	6.336	9.481	226.266	2.190	0.332	6.212	Class 1
7	228.351	42.248	6.184	6.250	6.312	8.296	245.294	1.216	0.344	6.205	Class 1
8	271.508	39.189	6.184	6.252	6.331	10.567	301.399	1.268	0.335	6.212	Class 1
9	311.480	39.569	6.184	6.239	6.295	7.412	348.997	2.065	0.352	6.198	Class 1
10	351.849	35.758	6.184	6.270	6.318	6.611	384.554	0.960	0.341	6.212	Class 1
11	388.217	34.083	6.184	6.256	6.302	6.183	413.337	1.686	0.349	6.230	Class 1
12	423.100	36.600	6.184	6.276	6.319	6.004	434.609	1.420	0.341	6.245	Class 1
13	460.609	33.867	6.184	6.257	6.298	5.541	479.225	0.952	0.351	6.224	Class 1
14	495.456	36.849	6.184	6.259	6.302	5.835	502.669	0.777	0.349	6.227	Class 1
15	533.270	43.012	6.184	6.256	6.302	6.205	573.073	1.198	0.349	6.222	Class 1
16	577.262	41.592	6.184	6.249	6.315	8.818	608.076	1.048	0.342	6.183	Class 1
17	619.834	39.717	6.184	6.264	6.333	9.397	657.549	1.626	0.333	6.220	Class 1
18	660.488	38.951	6.184	6.251	6.298	6.248	697.366	1.085	0.351	6.210	Class 1
19	700.433	41.677	6.184	6.254	6.308	7.271	715.456	1.494	0.346	6.201	Class 1

Penetration Tally Min Wall

From 0 to 20 Class 1

20

From 20 to 40 Class 2 From 40 to 60 Class 3

 Baker Hughes
 Chent: Lucid Energy

 Well: AGI #1
 Top Depth: 17.0'
 Date: Feb. 08, 2021

 County: Lea
 Bottom Depth: 6162.5'
 Tool Size: 3.5"

 Analyst: E. Veliz
 Run#: 1
 Tool Type: Multi Arm

 Pipe: 7", 29#
 # Fingers: 56 Arm
 Correlated to CBL logged 12-14-2017

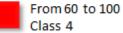
Item Number	Top Body	Body Length	NomID At Max Pen	Mean Median Ins	Max Pen Ins	Max Pen %	Max Pen Depth	Max Loss %	Min Wall Ins	Min Diam Ins	Comments
20	743.090	39.093	6.184	6.251	6.297	6.170	758.340	1.098	0.352	6.211	Class 1
21	783.148	38.383	6.184	6.254	6.302	6.394	819.287	1.166	0.349	6.215	Class 1
22	822.510	38.979	6.184	6.251	6.306	7.382	831.541	1.623	0.347	6.210	Class 1
23	862.526	42.501	6.184	6.262	6.316	7.260	893.240	1.135	0.342	6.222	Class 1
24	905.589	41.071	6.184	6.256	6.329	9.826	932.163	1.442	0.336	6.216	Class 1
25	947.460	34.090	6.184	6.272	6.325	7.246	948.251	1.174	0.338	6.230	Class 1
26	982.459	36.622	6.184	6.270	6.319	6.675	1005.250	1.299	0.341	6.221	Class 1
27	1020.061	39.845	6.184	6.243	6.295	6.864	1058.898	1.047	0.352	6.206	Class 1
28	1060.928	38.596	6.184	6.245	6.291	6.145	1064.436	0.898	0.355	6.200	Class 1
29	1100.489	39.007	6.184	6.266	6.309	5.908	1126.191	0.996	0.345	6.230	Class 1
30	1140.477	42.387	6.184	6.255	6.314	7.864	1172.838	1.023	0.343	6.202	Class 1
31	1183.843	38.396	6.184	6.255	6.308	7.133	1200.031	0.960	0.346	6.202	Class 1
32	1223.262	37.900	6.184	6.238	6.288	6.543	1254.119	1.280	0.356	6.196	Class 1
33	1262.156	42.923	6.184	6.258	6.309	6.906	1288.284	1.030	0.345	6.204	Class 1
34	1305.863	41.136	6.184	6.267	6.336	9.396	1322.364	1.665	0.332	6.222	Class 1
35	1347.799	40.352	6.184	6.274	6.330	7.670	1384.092	2.220	0.335	6.231	Class 1
36	1388.805	39.111	6.184	6.238	6.291	6.976	1425.854	1.171	0.355	6.200	Class 1
37	1428.716	38.842	6.184	6.289	6.338	6.840	1466.523	1.142	0.331	6.254	Class 1
38	1468.358	42.142	6.184	6.285	6.332	6.638	1507.788	1.812	0.334	6.245	Class 1
39	1511.451	41.450	6.184	6.249	6.308	7.907	1541.896	1.247	0.346	6.199	Class 1

Penetration Tally Min Wall

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From 0 to 20 Class 1 From 20 to 40 Class 2

From 40 to 60 Class 3



 Baker Hughes
 Contribution Energy

 Well: AGI #1
 Top Depth: 17.0'
 Date: Feb. 08, 2021

 County: Lea
 Bottom Depth: 6162.5'
 Tool Size: 3.5"

 Analyst: E. Veliz
 Run#: 1
 Tool Type: Multi Arm

 Pipe: 7", 29#
 # Fingers: 56 Arm
 Correlated to CBL logged 12-14-2017

Item Number	Top Body	Body Length	NomID At Max Pen	Mean Median Ins	Max Pen Ins	Max Pen %	Max Pen Depth	Max Loss %	Min Wall Ins	Min Diam Ins	Comments
40	1553.839	41.478	6.184	6.261	6.311	6.814	1580.535	1.121	0.345	6.221	Class 1
41	1596.297	39.561	6.184	6.254	6.306	6.968	1629.326	1.323	0.347	6.210	Class 1
42	1636.866	39.249	6.184	6.225	6.279	6.981	1661.972	1.212	0.361	6.177	Class 1
43	1677.152	39.291	6.184	6.258	6.309	6.920	1711.956	1.317	0.345	6.214	Class 1
44	1717.408	42.685	6.184	6.262	6.331	9.368	1727.931	1.778	0.335	6.210	Class 1
45	1761.073	37.814	6.184	6.249	6.309	7.982	1781.706	1.045	0.345	6.204	Class 1
46	1799.868	39.845	6.184	6.261	6.312	6.958	1831.974	1.258	0.344	6.207	Class 1
47	1840.678	39.874	6.184	6.256	6.319	8.417	1880.481	1.906	0.341	6.214	Class 1
48	1881.518	38.582	6.184	6.249	6.306	7.556	1897.067	1.085	0.347	6.199	Class 1
49	1921.079	42.217	6.184	6.239	6.292	6.999	1929.514	1.227	0.354	6.198	Class 1
50	1964.276	38.084	6.184	6.235	6.290	7.190	1992.122	1.537	0.355	6.191	Class 1
51	2003.311	37.800	6.184	6.245	6.299	7.204	2038.754	0.946	0.351	6.210	Class 1
52	2042.091	39.036	6.184	6.248	6.295	6.287	2064.272	0.932	0.352	6.201	Class 1
53	2082.107	38.951	6.184	6.251	6.309	7.789	2120.632	1.134	0.345	6.199	Class 1
54	2122.037	40.541	6.184	6.244	6.301	7.511	2151.147	0.970	0.349	6.203	Class 1
55	2163.572	39.874	6.184	6.261	6.311	6.703	2191.390	0.797	0.345	6.214	Class 1
56	2204.426	39.476	6.184	6.239	6.296	7.529	2243.149	1.019	0.352	6.202	Class 1
57	2244.882	39.093	6.184	6.253	6.293	5.349	2273.807	0.993	0.353	6.217	Class 1
58	2284.940	39.476	6.184	6.257	6.332	10.151	2296.286	1.213	0.334	6.210	Class 1
59	2324.998	39.046	6.184	6.257	6.299	5.628	2356.096	1.125	0.351	6.214	Class 1

Penetration Tally Min Wall

From 0 to 20

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From 20 to 40 Class 2 From 40 to 60 Class 3

Baker Hughes >>Citent: Lucid Energy
Well: AGI #1Top Depth: 17.0'Date: Feb. 08, 2021County: LeaBottom Depth: 6162.5'Tool Size: 3.5"Analyst: E. VelizRun#: 1Tool Type: Multi ArmPipe: 7", 29## Fingers: 56 ArmCorrelated to CBL logged 12-14-2017

Item Number	Top Body	Body Length	NomID At Max Pen	Mean Median Ins	Max Pen Ins	Max Pen %	Max Pen Depth	Max Loss %	Min Wall Ins	Min Diam Ins	Comments
60	2364.844	42.238	6.184	6.284	6.336	7.293	2385.731	1.180	0.332	6.241	Class 1
61	2407.882	36.760	6.184	6.284	6.343	8.216	2443.909	3.902	0.329	6.238	Class 1
62	2445.557	39.702	6.184	6.286	6.329	6.063	2484.450	2.089	0.336	6.254	Class 1
63	2486.113	38.067	6.184	6.276	6.330	7.467	2523.727	1.596	0.335	6.240	Class 1
64	2524.980	34.630	6.184	6.257	6.300	5.743	2557.409	1.604	0.350	6.223	Class 1
65	2560.519	37.275	6.184	6.248	6.300	6.866	2594.713	2.165	0.350	6.216	Class 1
66	2598.731	39.107	6.184	6.253	6.310	7.602	2637.597	1.207	0.345	6.212	Class 1
67	2638.818	38.482	6.184	6.257	6.309	7.059	2666.636	1.070	0.345	6.208	Class 1
68	2678.280	41.208	6.184	6.258	6.307	6.622	2716.165	1.068	0.346	6.212	Class 1
69	2720.468	40.612	6.184	6.254	6.306	7.030	2757.132	1.524	0.347	6.212	Class 1
70	2762.060	38.084	6.184	6.250	6.307	7.545	2793.385	1.120	0.346	6.202	Class 1
71	2801.124	39.632	6.184	6.260	6.316	7.591	2812.867	0.899	0.342	6.222	Class 1
72	2841.736	42.018	6.184	6.249	6.306	7.573	2860.920	1.192	0.347	6.212	Class 1
73	2884.734	41.152	6.184	6.256	6.315	7.885	2916.911	1.576	0.342	6.208	Class 1
74	2926.851	40.911	6.184	6.245	6.303	7.669	2953.021	2.414	0.349	6.198	Class 1
75	2968.545	41.201	6.184	6.258	6.314	7.604	2986.391	1.860	0.343	6.203	Class 1
76	3010.546	39.575	6.184	6.291	6.355	9.082	3049.823	2.590	0.322	6.238	Class 1
77	3051.087	43.069	6.184	6.239	6.306	8.853	3079.458	1.444	0.347	6.184	Class 1
78	3095.149	37.545	6.184	6.252	6.316	8.608	3108.426	0.997	0.342	6.204	Class 1
79	3133.660	39.419	6.184	6.254	6.314	8.051	3149.663	1.201	0.343	6.194	Class 1

Penetration Tally Min Wall

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From 0 to 20 Class 1 From 20 to 40 Class 2

From 40 to 60 Class 3

 Baker Hughes
 Client: Lucid Energy

 Well: AGI #1
 Top Depth: 17.0'
 Date: Feb. 08, 2021

 County: Lea
 Bottom Depth: 6162.5'
 Tool Size: 3.5"

 Analyst: E. Veliz
 Run#: 1
 Tool Type: Multi Arm

 Pipe: 7", 29#
 # Fingers: 56 Arm
 Correlated to CBL logged 12-14-2017

Item Number	Top Body	Body Length	NomID At Max Pen	Mean Median Ins	Max Pen Ins	Max Pen %	Max Pen Depth	Max Loss %	Min Wall Ins	Min Diam Ins	Comments
80	3174.044	38.439	6.184	6.261	6.324	8.522	3207.514	1.842	0.338	6.204	Class 1
81	3213.449	42.089	6.184	6.240	6.302	8.170	3214.472	1.260	0.349	6.190	Class 1
82	3256.504	39.107	6.184	6.276	6.323	6.525	3276.242	1.235	0.339	6.239	Class 1
83	3296.590	35.798	6.184	6.263	6.316	7.241	3331.664	1.247	0.342	6.212	Class 1
84	3333.326	34.236	6.184	6.274	6.327	7.358	3362.791	1.672	0.336	6.235	Class 1
85	3368.528	35.173	6.184	6.236	6.290	7.082	3383.665	1.819	0.355	6.186	Class 1
86	3404.652	37.872	6.184	6.251	6.307	7.456	3441.033	1.954	0.346	6.216	Class 1
87	3443.504	38.141	6.184	6.256	6.312	7.533	3461.864	1.566	0.344	6.217	Class 1
88	3482.625	36.962	6.184	6.238	6.290	6.873	3518.551	1.566	0.355	6.194	Class 1
89	3520.567	33.597	6.184	6.259	6.313	7.255	3548.342	1.026	0.343	6.214	Class 1
90	3555.116	39.675	6.184	6.257	6.315	7.850	3560.213	1.176	0.342	6.212	Class 1
91	3595.756	40.683	6.184	6.253	6.303	6.660	3600.982	1.243	0.349	6.208	Class 1
92	3637.362	37.303	6.184	6.252	6.321	9.251	3669.908	1.211	0.339	6.199	Class 1
93	3675.602	40.442	6.184	6.232	6.293	7.902	3682.234	0.931	0.353	6.186	Class 1
94	3717.067	38.127	6.184	6.241	6.298	7.466	3750.536	1.523	0.351	6.195	Class 1
95	3756.202	38.993	6.184	6.268	6.328	8.220	3790.296	0.954	0.336	6.226	Class 1
96	3796.118	42.302	6.184	6.269	6.325	7.679	3835.537	1.185	0.338	6.214	Class 1
97	3839.400	41.734	6.184	6.249	6.302	7.022	3873.877	1.277	0.349	6.195	Class 1
98	3882.113	36.650	6.184	6.266	6.324	7.955	3893.317	1.342	0.338	6.223	Class 1
99	3919.701	35.521	6.184	6.258	6.311	7.083	3950.827	1.315	0.345	6.210	Class 1

Penetration Tally Min Wall

Released to Imaging: 2/12/2021 4:18:29 PM

From 0 to 20 Class 1 From 20 to 40 Class 2

From 40 to 60 Class 3

.

 Baker Hughes
 Collent: Lucid Energy

 Well: AGI #1
 Top Depth: 17.0'
 Date: Feb. 08, 2021

 County: Lea
 Bottom Depth: 6162.5'
 Tool Size: 3.5"

 Analyst: E. Veliz
 Run#: 1
 Tool Type: Multi Arm

 Pipe: 7", 29#
 # Fingers: 56 Arm
 Correlated to CBL logged 12-14-2017

Item Number	Top Body	Body Length	NomID At Max Pen	Mean Median Ins	Max Pen Ins	Max Pen %	Max Pen Depth	Max Loss %	Min Wall Ins	Min Diam Ins	Comments
100	3955.875	39.046	6.184	6.274	6.324	6.915	3982.706	2.174	0.338	6.236	Class 1
101	3995.721	41.016	6.184	6.251	6.300	6.554	4033.812	1.272	0.350	6.208	Class 1
102	4037.445	38.589	6.184	6.243	6.295	6.841	4044.675	0.910	0.352	6.199	Class 1
103	4076.834	39.352	6.184	6.273	6.324	7.072	4106.459	1.147	0.338	6.224	Class 1
104	4117.166	38.780	6.184	6.251	6.314	8.362	4154.611	1.461	0.343	6.205	Class 1
105	4156.926	39.291	6.184	6.259	6.311	7.080	4189.358	1.235	0.345	6.207	Class 1
106	4197.140	36.849	6.184	6.280	6.336	7.793	4227.642	1.292	0.332	6.227	Class 1
107	4234.969	33.512	6.184	6.266	6.319	7.188	4240.720	0.975	0.341	6.224	Class 1
108	4269.447	40.257	6.184	6.265	6.335	9.508	4270.228	1.603	0.332	6.219	Class 1
109	4310.669	37.942	6.184	6.244	6.301	7.503	4325.877	1.030	0.349	6.200	Class 1
110	4349.606	34.307	6.184	6.255	6.319	8.547	4350.813	1.424	0.341	6.198	Class 1
111	4384.558	40.287	6.184	6.241	6.292	6.669	4400.598	1.042	0.354	6.190	Class 1
112	4425.645	38.129	6.184	6.263	6.329	8.902	4461.786	1.769	0.336	6.215	Class 1
113	4464.753	39.362	6.184	6.254	6.309	7.381	4475.702	1.230	0.345	6.201	Class 1
114	4505.025	37.204	6.184	6.272	6.335	8.636	4540.539	1.415	0.332	6.232	Class 1
115	4543.208	42.884	6.184	6.249	6.314	8.596	4583.565	1.491	0.343	6.195	Class 1
116	4587.115	39.107	6.184	6.238	6.297	7.745	4601.343	1.134	0.352	6.187	Class 1
117	4627.201	35.031	6.184	6.268	6.320	7.113	4656.681	0.947	0.340	6.216	Class 1
118	4663.213	37.687	6.184	6.244	6.296	6.875	4674.062	0.868	0.352	6.195	Class 1
119	4701.879	38.397	6.184	6.247	6.300	7.012	4719.019	1.087	0.350	6.201	Class 1

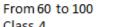
Penetration Tally Min Wall

Released to Imaging: 2/12/2021 4:18:29 PM

From 0 to 20 F Class 1 C

From 20 to 40 Class 2

From 40 to 60 Class 3 From 60 Class 4



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 Baker Hughes
 Contribution Entropy

 Well: AGI #1
 Top Depth: 17.0'
 Date: Feb. 08, 2021

 County: Lea
 Bottom Depth: 6162.5'
 Tool Size: 3.5"

 Analyst: E. Veliz
 Run#: 1
 Tool Type: Multi Arm

 Pipe: 7", 29#
 # Fingers: 56 Arm
 Correlated to CBL logged 12-14-2017

Item Number	Top Body	Body Length	NomID At Max Pen	Mean Median Ins	Max Pen Ins	Max Pen %	Max Pen Depth	Max Loss %	Min Wall Ins	Min Diam Ins	Comments
120	4741.242	40.995	6.184	6.253	6.314	8.184	4756.024	1.209	0.343	6.205	Class 1
121	4783.217	39.249	6.184	6.255	6.319	8.610	4811.404	2.100	0.341	6.206	Class 1
122	4823.445	42.444	6.184	6.253	6.307	7.204	4857.525	1.152	0.346	6.207	Class 1
123	4866.855	38.951	6.184	6.256	6.322	8.837	4887.559	1.291	0.339	6.214	Class 1
124	4906.785	39.930	6.184	6.257	6.309	6.973	4919.239	1.240	0.345	6.219	Class 1
125	4947.738	41.918	6.184	6.254	6.312	7.753	4964.551	1.412	0.344	6.212	Class 1
126	4990.707	42.174	6.184	6.262	6.322	8.190	5006.568	1.279	0.339	6.223	Class 1
127	5033.861	37.857	6.184	6.254	6.312	7.835	5061.167	1.114	0.344	6.209	Class 1
128	5072.769	37.630	6.184	6.230	6.291	7.949	5088.872	1.042	0.355	6.185	Class 1
129	5111.308	38.141	6.184	6.236	6.286	6.602	5128.362	0.840	0.357	6.194	Class 1
130	5150.486	37.474	6.184	6.243	6.296	7.006	5185.460	1.012	0.352	6.202	Class 1
131	5188.939	40.569	6.184	6.265	6.337	9.762	5226.456	2.480	0.332	6.216	Class 1
132	5230.446	42.728	6.184	6.255	6.340	11.354	5245.654	2.385	0.330	6.211	Class 1
133	5274.054	40.129	6.184	6.258	6.309	6.843	5298.861	1.385	0.345	6.223	Class 1
134	5315.390	41.081	6.184	6.251	6.324	9.803	5347.212	0.956	0.338	6.207	Class 1
135	5357.451	41.421	6.184	6.241	6.294	7.015	5396.543	1.448	0.353	6.195	Class 1
136	5399.809	36.792	6.184	6.257	6.312	7.461	5418.227	1.141	0.344	6.217	Class 1
137	5437.196	39.046	6.184	6.246	6.297	6.769	5441.628	1.619	0.352	6.206	Class 1
138	5477.042	37.248	6.184	6.269	6.354	11.656	5479.485	1.927	0.323	6.202	Class 1
139	5515.213	11.186	6.184	6.261	6.302	5.574	5515.695	1.128	0.349	6.229	Class 1

Penetration Tally Min Wall

Released to Imaging: 2/12/2021 4:18:29 PM

From 0 to 20 F

From 20 to 40 Class 2

From 40 to 60 Class 3

 Baker Hughes
 Client: Lucid Energy

 Well: AGI #1
 Top Depth: 17.0'
 Date: Feb. 08, 2021

 County: Lea
 Bottom Depth: 6162.5'
 Tool Size: 3.5"

 Analyst: E. Veliz
 Run#: 1
 Tool Type: Multi Arm

 Pipe: 7", 29#
 # Fingers: 56 Arm
 Correlated to CBL logged 12-14-2017

Item Number	Top Body	Body Length	NomID At Max Pen	Mean Median Ins	Max Pen Ins	Max Pen %	Max Pen Depth	Max Loss %	Min Wall Ins	Min Diam Ins	Comments
140	5527.199	7.764	6.184	6.260	6.318	7.795	5534.794	1.706	0.341	6.222	Class 1
141	5538.097	16.123	6.184	6.289	6.360	9.973	5550.627	1.818	0.320	6.251	Class 1
142	5555.020	19.960	6.184	6.260	6.311	6.884	5560.255	1.096	0.345	6.212	Class 1
143	5575.918	39.590	6.184	6.257	6.309	7.045	5577.409	1.408	0.345	6.203	Class 1
144	5616.473	40.655	6.184	6.263	6.315	7.102	5652.342	0.864	0.342	6.214	Class 1
145	5658.065	39.533	6.184	6.248	6.303	7.343	5680.927	0.997	0.349	6.199	Class 1
146	5698.634	37.218	6.184	6.227	6.315	11.435	5699.600	4.062	0.342	6.195	Class 1
147	5736.960	37.857	6.184	6.229	6.272	5.555	5772.076	1.173	0.364	6.197	Class 1
148	5775.896	38.155	6.184	6.229	6.269	5.135	5807.732	0.763	0.365	6.196	Class 1
149	5815.145	35.486	6.184	6.223	6.272	6.312	5849.253	2.273	0.364	6.184	Class 1
150	5851.611	38.028	6.184	6.227	6.269	5.384	5886.458	0.983	0.365	6.190	Class 1
151	5890.689	37.758	6.184	6.229	6.284	7.092	5912.969	0.866	0.358	6.195	Class 1
152	5929.441	38.880	6.184	6.226	6.266	5.134	5931.060	1.317	0.367	6.186	Class 1
153	5969.385	39.732	6.184	6.227	6.264	4.768	5995.031	1.014	0.368	6.190	Class 1
154	6010.154	35.798	6.184	6.226	6.264	4.904	6019.838	1.233	0.368	6.192	Class 1
155	6046.960	38.922	6.184	6.225	6.263	4.929	6065.008	1.131	0.368	6.195	Class 1
156	6086.895	36.294	6.184	6.224	6.266	5.385	6120.090	2.078	0.367	6.187	Class 1
157	6123.843	36.751	6.184	6.221	6.254	4.274	6159.112	1.093	0.373	6.191	Class 1

Penetration Tally Min Wall



From 0 to 20 Class 1 From 20 to 40 Class 2 From 40 to 60 Class 3

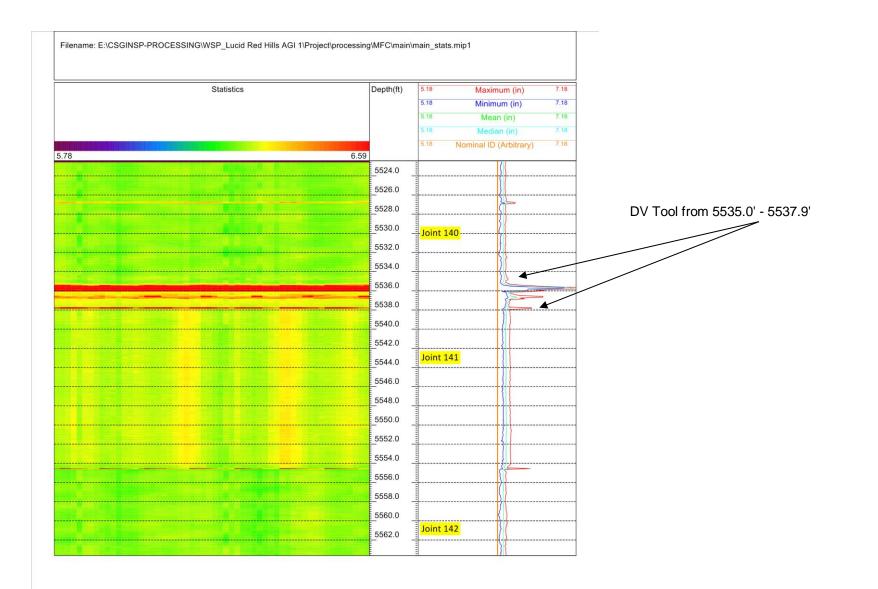
Joint Analysis Statistics Definitions

Title	Units	Description	Formula
Item Number		The sequential pipe section number	
Top Body	ft/m	Processed measured depth of the top of the joint body	
Body Length	ft/m	Length of the joint body	
Mean Median Ins	in	The mean average value of the median radius*2 over the body length.	Mean Median = Mean (Median (Arm radii *2))
Max Pen Ins	in	Maximum twice radius in the joint.	Max pen = Max (radius*2)
Max Pen %	%	Maximum radius*2 in the pipe section expressed as a percentage relative to the difference between the joint Nominal OD and Median ID.	Max pen% = 100 * Max (Radius*2- NomID)/(NomOD-MedianID)
Max Pen Depth	ft/m	Depth of the maximum wall penetration in the joint	
Min Wall Ins	in	Min Wall = Min (NomOD-Arm radii *2)/2	
NomID At Max Pen	in	Nominal ID at the maximum radius depth	
Max Loss %	%		%age Wall Loss = $(100/n)$ * Sum (Si ² - ID ²)/(OD ² - ID ²) where n is the number of caliper arms. Si is twice the radius measured by caliper arm i. ID is the Median ID of the pipe. Max loss% = Max (%age wall loss) in the pipe body
Min Diam Ins	in	Smallest diameter in the joint measured across opposing arms.	Min Diam = Min(Arm [x] radius*2 + Arm [x+Narms/2] radius*2)/2

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Received by OCD: 2/12/20	<i>21 12:42:53 PM</i> Client: Lucid Energy	
Baker Hughes ≽	Well: AGI #1	Top Depth: 17.0'
	County: Lea	Bottom Depth: 6162.5'
	Analyst: E. Veliz	Run#: 1
	Pipe: 7", 29#	# Fingers: 56 Arm

Date: Feb. 08, 2021 Tool Size: 3.5" Tool Type: Multi Arm Correlated to CBL logged 12-14-2017



 Baker Hughes
 Well: AGI #1
 Top Depth: 17.0'

 County: Lea
 Bottom Depth: 6162.5'

 Analyst: E. Veliz
 Run#: 1

 Pipe: 7", 29#
 # Fingers: 56 Arm

Date: Feb. 08, 2021 Tool Size: 3.5" Tool Type: Multi Arm Correlated to CBL logged 12-14-2017

Definition of terms in MIPS Pipe analysis report

Pipe dimensions

Item (no.) In 'pipe-by-pipe' analysis this represents the sequential pipe section number, selected during pipe end detection and editing, and indexed from the bottom up. **Top Body (ft/m)** Processed measured depth in m/ft of top of the pipe section.

Bottom Body (ft/m) Processed measured depth in m/ft of bottom of the pipe section.

Body Length (ft/m) Length in m/ft of the pipe section.

Maximum penetration

Maximum penetration [Max.Pen] (ins or mm) Twice radius in inches or mm at maximum penetration of the pipe wall in the pipe section.

(Expressed as a diameter - twice radius - for comparison with Median ID and Drift Ids).

Maximum penetration % [Max.Pen (%)] Maximum penetration of the wall in the pipe section, expressed as a percentage relative to the difference between Median ID and OD at the maximum penetration point.

Maximum penetration depth [Max.Pen depth] Depth in m/ft of the maximum wall penetration in the pipe section.

Wall Loss

Maximum loss % [Max.Loss (%)] The maximum value of metal loss in the pipe, expressed as the percentage areal loss of wall relative to the outer diameter and nominal diameters. For each sampled depth in the pipe the loss is calculated as:

Percentage wall loss = $(100/n) \square \square (Si _2-ID_2)/(OD_2-ID_2)$, where n is the number of caliper arms, Si is twice the radius measured by caliper arm i, ID is the Median ID of the pipe.

Minimum diametric restriction [Min Diam. (ins or mm)]

Smallest diameter in inches or mm of the pipe section measured on opposing arms. Min Diam = Min(Arm [x] radius*2 + Arm [x+Narms/2] radius*2)/2

Minimum diametric restriction % [Min Diam. (%)]

Smallest diameter in the pipe section measured on opposing arms as a %age of Median ID. Min Diam % = 100 * Min(Arm [x] radius*2 + Arm [x+Narms/2] radius*2)/(2* MedID)Restrictions **Minimum radial restriction [Min Res (ins or mm)]** Smallest arm reading in inches or mm in the pipe section, (expressed as twice radius for comparison with Median and Drift Ids). **Maximum projection [Max Proj (ins or mm)]**. Largest projection into the well bore from the pipe wall in ins or mm based on Median IR. **Maximum projection % [Max Proj (%)]**. Largest projection into the well bore from the pipe wall as a %age of Median IR.

Deformation & Ovality

The terms "deformation & ovality" are used to describe tubulars that are out of round. When encountering issues of this nature during the analysis the evaluation software reports it as "damage" because there is a change from the nominal ID that indicates metal loss. *The reported magnitude (% Ovality) is based on the percent of measured wall loss relative to the wall thickness.* It is our opinion, that when encountering this type of damage there is most often no actual metal loss as is reported during the analysis by the software. The software looks for changes from nominal ID, thus ovality or "egg shaped" casing results in a change from nominal ID (in both the minimum and maximum) and forces the reporting as such. It is our opinion that even though there is usually no metal loss associated with this type of damage it should be left in the report to serve as an identifier to the operator, that there could be an issue with the pipe and should be monitored.

Note: (below is just a precautionary statement to the operator and cannot be proved or disproved by the data set obtained by this service as it outside the scope of said service). A feature of this type is from a mechanical mechanism and not corrosion based in our opinion. One exception is when this type of feature occurs at the coupling. Occurring at the coupling could pose an issue for the operator in the form of a leaking tubular connection.

Receive	ed b	Casing Record	CD: 2	/1220 /1220 Number Bit		Recorded By	Location	E pment Number	Time Logger on Bottom	Tane Well Ready	Estimated Cement Top	Max Recorded Temp	Type Fluid	Top Log Interval	Bottom Logged Interval	Depth Logger	Depth Driller	Service Order #	Run Number	Date	Comp Well Field Count State		AG RE LE	CID EN 1 #1 D HILL A W MEX	S	Y				BnH	Page 24 og	f 143
7"	9.625"	Size		Bit From			Q		п												Log Measured From Drilling Measured From	Permanent Datum	SEC		Location:	County LI	Field R	Well A	Company Ll	ghes	ier 🕥	
26LB/FT	40 LB/FT	Wgt/Ft		To Size	MICHEAL	CHRIS COFFELT	OKLAHOMA CITY, OK	6670	09:15	7:45	NA -	103 DEG E	WATER	Surface	6150	6155	6650	178167		8-FEB-2021	om KB 18.5 FT	GL	13 TWP 24S	1600' FSL & 150' FEL	API # :	LEA	RED HILLS	AGI #1	LUCID ENERGY			
SURFACE	SURFACE	Тор		Weight From From The Provide T	T. kinz Door																FT	Elcvation 3574	RGE 33E	FEL	30-025-40448	State NE					56 ARM CALIPER	
6650 FT	5346 FT	Bottom		From To	5																D.F. 3591.5 G.L. 3574	KB	Elevation	JCGR HVRT	Other Services	NEW MEXICO					LIPER	
<<< F	old⊦	lere	>>>																													

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WELLHEAD PSI 0 psi LOG CORRELATED TO DV TOOL @ 5535 FT IN WELLBORE

N/A = Information not available at time of logging. All depths are based off wireline measurments THANK YOU FOR USING BAKER HUGHES WIRELINE

Joint #141 DV Too Joint #142 0 Joint #140 Ioint #139 All joints the paran nform Note that HRV RT of he MAC 20 mogingi hese X est Baker g 272021 4:18:29 P ω



Pipe: 7", 29# Well: AGI #1 Analyst: E. Veliz County: Lea Client: Lucid Energy

Fingers: 56 Arm Bottom Depth: 6162.5' Top Depth: 17.0 Run#: 1

Correlated to CBL logged 12-14-2017 Tool Type: Multi Arm Tool Size: 3.5" Date: Feb. 08, 2021

neters used to analyze the data set: OD: 7', ID: 6.184", 29# with a wall thickness of 0.408" (Best fit for the data set)

survey was correlated to the CBL logged 12-14-2017.

reported in the Class 1 range at this time

lata set and could possibly be a welded connection. the upper connection of Joints 140, 141 and 142 are different from the rest (See log for example). The upper connection of Joint 140 also looks different on the

is a 11.1' short joint.

is a 16.1' short joint. is a 7.7' short joint.

is a 19.9' short joint.

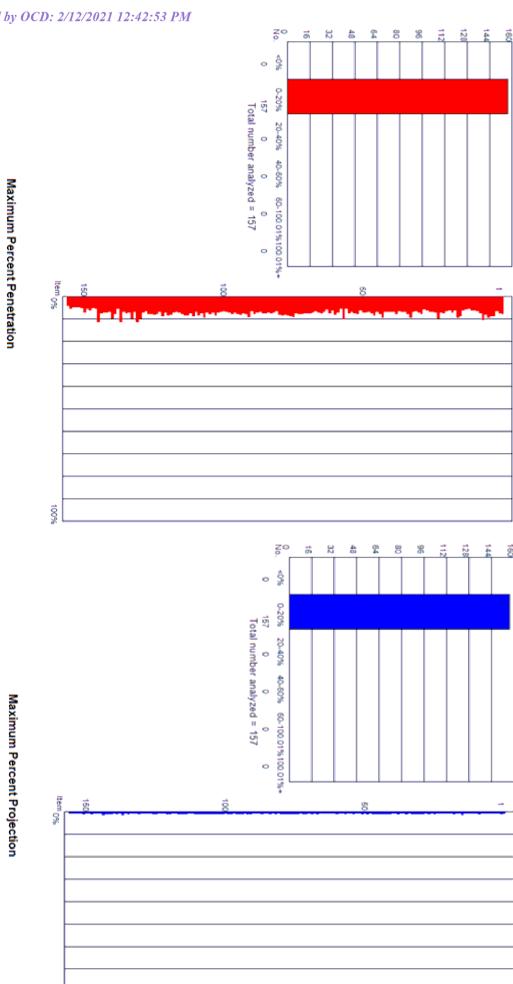
from 5535.0' – 5537.9'

1 12:42:53 PM

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			Pare 26 of 143 Rear Hughes
Pipe: 7", 29#	Analyst: E. Veliz	County: Lea	Client: Lucid Energy Well: AGI #1
# Fingers: 56 Arm	Run#: 1	Bottom Depth: 6162.5'	Top Depth: 17.0'
Correlated to CBL logged 12-14-2017	Tool Type: Multi Arm	Tool Size: 3.5"	Date: Feb. 08, 2021

Received by OCD: 2/12/2021 12:42:53 PM



Released to Imaging: 2/12/2021 4:18:29 PM

		19	18	17	16	15	14	13	12	11	10	6	8	7	6	5	4	3	2	1	Item Number
		700.433	660.488	619.834	577.262	533.270	495.456	460.609	423.100	388.217	351.849	311.480	271.508	228.351	192.684	154.911	111.729	72.199	31.569	16.923	Top Body
_	Pe	41.677	38.951	39.717	41.592	43.012	36.849	33.867	36.600	34.083	35.758	39.569	39.189	42.248	34.866	37.104	42.302	37.840	39.830	14.136	Body Length
From0 to 20 Class 1	enetration	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	NomID At Max Pen
to 20	Penetration Tally Min Wall	6.254	6.251	6.264	6.249	6.256	6.259	6.257	6.276	6.256	6.270	6.239	6.252	6.250	6.266	6.266	6.252	6.276	6.260	6.293	Mean Median Ins
Class	Wall	6.308	6.298	6.333	6.315	6.302	6.302	6.298	6.319	6.302	6.318	6.295	6.331	6.312	6.336	6.332	6.318	6.324	6.315	6.348	Max Pen Ins
From 20 to 40 Class 2		7.271	6.248	9.397	8.818	6.205	5.835	5.541	6.004	6.183	6.611	7.412	10.567	8.296	9.481	8.946	8.833	6.650	7.472	7.823	Max Pen %
Class 3		715.456	697.366	657.549	608.076	573.073	502.669	479.225	434.609	413.337	384.554	348.997	301.399	245.294	226.266	190.028	148.734	82.293	50.343	30.122	Max Pen Depth
rom 40 to 60 lass 3		1.494	1.085	1.626	1.048	1.198	0.777	0.952	1.420	1.686	0.960	2.065	1.268	1.216	2.190	1.307	1.764	1.233	1.556	1.086	Max Loss %
		0.346	0.351	0.333	0.342	0.349	0.349	0.351	0.341	0.349	0.341	0.352	0.335	0.344	0.332	0.334	0.341	0.338	0.342	0.326	Min Wall Ins Min Diam Ins
From 60 to 100 Class 4		6.201	6.210	6.220	6.183	6.222	6.227	6.224	6.245	6.230	6.212	6.198	6.212	6.205	6.212	6.226	6.220	6.239	6.225	6.255	Min Diam Ins
Released to	Imaging	Clas	Clas 2/20		Clas		Clas	Class 1	Comments												

Baker Hughes ≽

Well: AGI #1

County: Lea

Client: Lucid Energy

Pipe: 7", 29# Analyst: E. Veliz

Fingers: 56 Arm

Correlated to CBL logged 12-14-2017

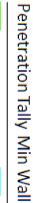
Tool Type: Multi Arm

Run#: 1

Bottom Depth: 6162.5' Top Depth: 17.0'

Date: Feb. 08, 2021

Tool Size: 3.5"



		96	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	Item Number
		1:	1	1	1:	1:	1:	1:	1:	1	<u>-</u>		1	1	9	9	9			7	7	
		1511.451	1468.358	1428.716	1388.805	1347.799	1305.863	1262.156	1223.262	1183.843	1140.477	1100.489	1060.928	1020.061	982.459	947.460	905.589	862.526	822.510	783.148	743.090	Top Body
-	Pe	41.450	42.142	38.842	39.111	40.352	41.136	42.923	37.900	38.396	42.387	39.007	38.596	39.845	36.622	34.090	41.071	42.501	38.979	38.383	39.093	Body Length
From0 to 20 Class 1	Penetration Tally Min Wall	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	NomID At Max Pen
o 20	Tally Min V	6.249	6.285	6.289	6.238	6.274	6.267	6.258	6.238	6.255	6.255	6.266	6.245	6.243	6.270	6.272	6.256	6.262	6.251	6.254	6.251	Mean Median Ins
From 20 Class 2	Nall	6.308	6.332	6.338	6.291	6.330	6.336	6.309	6.288	6.308	6.314	6.309	6.291	6.295	6.319	6.325	6.329	6.316	6.306	6.302	6.297	Max Pen Ins
0 to 40		7.907	6.638	6.840	6.976	7.670	9.396	6.906	6.543	7.133	7.864	5.908	6.145	6.864	6.675	7.246	9.826	7.260	7.382	6.394	6.170	Max Pen %
Clas		1541.896	1507.788	1466.523	1425.854	1384.092	1322.364	1288.284	1254.119	1200.031	1172.838	1126.191	1064.436	1058.898	1005.250	948.251	932.163	893.240	831.541	819.287	758.340	Max Pen Depth
rom40 to 60 lass 3		1.247	1.812	1.142	1.171	2.220	1.665	1.030	1.280	0.960	1.023	0.996	0.898	1.047	1.299	1.174	1.442	1.135	1.623	1.166	1.098	Max Loss %
		0.346	0.334	0.331	0.355	0.335	0.332	0.345	0.356	0.346	0.343	0.345	0.355	0.352	0.341	0.338	0.336	0.342	0.347	0.349	0.352	Min Wall Ins
From 60 to 100 Class 4		6.199	6.245	6.254	6.200	6.231	6.222	6.204	6.196	6.202	6.202	6.230	6.200	6.206	6.221	6.230	6.216	6.222	6.210	6.215	6.211	Min Wall Ins Min Diam Ins
Released	l to Ima	ging	: 2/1	2/20)21 4	:18	29 1	PM														

Baker Hughes ≽

Well: AGI #1

County: Lea

Bottom Depth: 6162.5'

Top Depth: 17.0'

Date: Feb. 08, 2021

Tool Size: 3.5"

Run#: 1

Fingers: 56 Arm

Correlated to CBL logged 12-14-2017

Tool Type: Multi Arm

Client: Lucid Energy

Analyst: E. Veliz

Pipe: 7", 29#

From 40 to 60 Class 3

Class 4 From 60 to Penetration Tally Min Wall

Class 1 From 0 to 20

Received

59 58 56 54 53 52 50 49 48 47 46 5 4 8 57 55 5 4 ₽ 42 2003.311 2284.940 2163.572 1921.079 2324.998 2244.882 2204.426 2122.037 2082.107 2042.091 1717.408 1596.297 1964.276 1799.868 1761.073 1677.152 1881.518 1840.678 1636.866 1553.839 37.814 41.478 39.046 39.476 39.093 39.476 39.874 40.541 38.951 39.036 37.800 38.084 42.217 38.582 39.874 39.845 42.685 39.291 39.249 39.561 NomID At Max Pen 6.184 Mean Median Ins 6.261 6.257 6.257 6.253 6.239 6.261 6.244 6.251 6.248 6.245 6.235 6.239 6.249 6.256 6.261 6.249 6.262 6.258 6.225 6.254 6.299 6.332 6.293 6.296 6.311 6.301 6.309 6.295 6.299 6.290 6.292 6.306 6.319 6.312 6.309 6.331 6.309 6.279 6.306 6.311 10.151 5.349 6.703 6.999 8.417 9.368 6.920 6.814 5.628 6.287 7.190 6.958 6.981 6.968 7.789 7.556 7.529 7.511 7.204 7.982 Max Pen Depth 2151.147 2120.632 2356.096 2296.286 2273.807 2243.149 2191.390 2064.272 2038.754 1897.067 1880.481 1831.974 1781.706 1661.972 1727.931 1992.122 1929.514 1711.956 1580.535 1629.326 0.993 0.797 0.970 0.932 0.946 1.125 1.213 1.019 1.134 1.085 1.906 1.258 1.045 1.778 1.212 1.121 1.537 1.227 1.317 1.323 0.353 0.352 0.345 0.349 0.352 0.351 0.355 0.347 0.345 0.335 0.345 0.361 0.345 0.351 0.334 0.345 0.354 0.341 0.344 0.347 6.210 6.217 6.202 6.214 6.199 6.204 6.177 6.221 6.214 6.203 6.201 6.210 6.191 6.198 6.214 6.207 6.214 6.210 2/ 6.199 6.210 Released to Imaging: 2/2021 29 PM

Item Number

Top Body

Body Length

Max Pen Ins

Max Pen %

Max Loss %

Min Wall Ins

Min Diam Ins

Baker Hughes ≽

Tool Type: Multi Arm Tool Size: 3.5" Date: Feb. 08, 2021 Correlated to CBL logged 12-14-2

by OCD
Cass 1
200ass 1
Glass 1
Qass 1
Sass 1
Class 1
Class 1
Class 1
Class 1
Class 1
Class 1
Class 1
Class 1
Class 1
Class 1
Class 1
Class 1
Class 1
Class 1
Comments

		79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	Item Number
		3133.660	3095.149	3051.087	3010.546	2968.545	2926.851	2884.734	2841.736	2801.124	2762.060	2720.468	2678.280	2638.818	2598.731	2560.519	2524.980	2486.113	2445.557	2407.882	2364.844	Top Body
_	Pe	39.419	37.545	43.069	39.575	41.201	40.911	41.152	42.018	39.632	38.084	40.612	41.208	38.482	39.107	37.275	34.630	38.067	39.702	36.760	42.238	Body Length
From 0 to 20 Class 1	enetration	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	NomID At Max Pen
to 20	Penetration Tally Min Wall	6.254	6.252	6.239	6.291	6.258	6.245	6.256	6.249	6.260	6.250	6.254	6.258	6.257	6.253	6.248	6.257	6.276	6.286	6.284	6.284	Mean Median Ins
From 20 Class 2	Wall	6.314	6.316	6.306	6.355	6.314	6.303	6.315	6.306	6.316	6.307	6.306	6.307	6.309	6.310	6.300	6.300	6.330	6.329	6.343	6.336	Max Pen Ins
From 20 to 40 Class 2		8.051	8.608	8.853	9.082	7.604	7.669	7.885	7.573	7.591	7.545	7.030	6.622	7.059	7.602	6.866	5.743	7.467	6.063	8.216	7.293	Max Pen %
Fro Clas		3149.663	3108.426	3079.458	3049.823	2986.391	2953.021	2916.911	2860.920	2812.867	2793.385	2757.132	2716.165	2666.636	2637.597	2594.713	2557.409	2523.727	2484.450	2443.909	2385.731	Max Pen Depth
From 40 to 60 Class 3		1.201	0.997	1.444	2.590	1.860	2.414	1.576	1.192	0.899	1.120	1.524	1.068	1.070	1.207	2.165	1.604	1.596	2.089	3.902	1.180	Max Loss %
	140 7.00	0.343	0.342	0.347	0.322	0.343	0.349	0.342	0.347	0.342	0.346	0.347	0.346	0.345	0.345	0.350	0.350	0.335	0.336	0.329	0.332	Min Wall Ins Min
Refease S B	d to Ima	ging	: 2/ 1	2120	21-	:18.	29 1	M														Min

Received by OC.	D: 2	(12/2	2021	12:-	12:5	3 PN

Class 1	Comments																				

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Baker Hughes ≽

Well: AGI #1 Client: Lucid Energy

Pipe: 7", 29# Analyst: E. Veliz County: Lea

Fingers: 56 Arm Bottom Depth: 6162.5' Run#: 1 Top Depth: 17.0'

Correlated to CBL logg Tool Type: Multi Arm Date: Feb. 08, 2021 Tool Size: 3.5"

Page 31 of 143

jed 12-14-2017

Diam Ins	Comments
6.241	Class 1
6.238	Class 1
6.254	Class 1
6.240	Class 1
6.223	Class 1
6.216	Class 1
6.212	Class 1
6.208	Class 1
6.212	Class 1
6.212	Class 1
6.202	Class 1
6.222	Class 1
6.212	Class 1
6.208	Class 1
6. 1988 8 1988	Class 1
6.203	Class 1
9 <u>7</u> 2	Class 1
6. 0 <u>7</u> 1	Class 1
6.26	Class 1
6.194	Class 1
ed by OC	I
60 4 <i>Receive</i> 100	

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Client: Lucid Energy Well: AGI #1 County: Lea Analyst: E. Veliz Pipe: 7", 29#

Top Depth: 17.0'Date: Feb.Bottom Depth: 6162.5'Tool Size: (Run#: 1Tool Type:# Fingers: 56 ArmCorrelated

	66	86	97	96	95	94	93	92	91	06	68	88	87	86	85	84	83	82	81	80	Item Number
	3919.701	3882.113	3839.400	3796.118	3756.202	3717.067	3675.602	3637.362	3595.756	3555.116	3520.567	3482.625	3443.504	3404.652	3368.528	3333.326	3296.590	3256.504	3213.449	3174.044	Top Body
Pe	35.521	36.650	41.734	42.302	38.993	38.127	40.442	37.303	40.683	39.675	33.597	36.962	38.141	37.872	35.173	34.236	35.798	39.107	42.089	38.439	Body Length
enetration	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	NomID At Max Pen
Penetration Tally Min Wall	6.258	6.266	6.249	6.269	6.268	6.241	6.232	6.252	6.253	6.257	6.259	6.238	6.256	6.251	6.236	6.274	6.263	6.276	6.240	6.261	Mean Median Ins
Wall	6.311	6.324	6.302	6.325	6.328	6.298	6.293	6.321	6.303	6.315	6.313	6.290	6.312	6.307	6.290	6.327	6.316	6.323	6.302	6.324	Max Pen Ins
	7.083	7.955	7.022	7.679	8.220	7.466	7.902	9.251	6.660	7.850	7.255	6.873	7.533	7.456	7.082	7.358	7.241	6.525	8.170	8.522	Max Pen %
	3950.827	3893.317	3873.877	3835.537	3790.296	3750.536	3682.234	806.6998	286.009	3560.213	3548.342	3518.551	3461.864	3441.033	3383.665	3362.791	3331.664	3276.242	3214.472	3207.514	Max Pen Depth
	1.315	1.342	1.277	1.185	0.954	1.523	0.931	1.211	1.243	1.176	1.026	1.566	1.566	1.954	1.819	1.672	1.247	1.235	1.260	1.842	Max Loss %
d to Ima	ging 0	: 2/1 0)21 4 .0	(:18: 0	29 I 0	PM 0	0	0	0	0	0	0	0	0	0	0	0	0	0	Min V

From0 to 20 Class 1

From 20 to 40 Class 2

From 40 to 60 Class 3

Release

Class 1	From 0 to 20
Class 2	From 20 to 40

		119	118	117	116	115	114	113	112	111	110	109	108	107	106	105	104	103	102	101	100	Item Number
		4701.879	4663.213	4627.201	4587.115	4543.208	4505.025	4464.753	4425.645	4384.558	4349.606	4310.669	4269.447	4234.969	4197.140	4156.926	4117.166	4076.834	4037.445	3995.721	3955.875	Top Body
	P	38.397	37.687	35.031	39.107	42.884	37.204	39.362	38.129	40.287	34.307	37.942	40.257	33.512	36.849	39.291	38.780	39.352	38.589	41.016	39.046	Body Length
From 0 to 20 Class 1	Penetration Tally Min Wal	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	NomID At Max Pen
to 20	Tally Min	6.247	6.244	6.268	6.238	6.249	6.272	6.254	6.263	6.241	6.255	6.244	6.265	6.266	6.280	6.259	6.251	6.273	6.243	6.251	6.274	Mean Median Ins
	Wall	6.300	6.296	6.320	6.297	6.314	6.335	6.309	6.329	6.292	6.319	6.301	6.335	6.319	6.336	6.311	6.314	6.324	6.295	6.300	6.324	Max Pen Ins
From 20 to 40 Class 2		7.012	6.875	7.113	7.745	8.596	8.636	7.381	8.902	6.669	8.547	7.503	9.508	7.188	7.793	7.080	8.362	7.072	6.841	6.554	6.915	Max Pen %
Froj Clas		4719.019	4674.062	4656.681	4601.343	4583.565	4540.539	4475.702	4461.786	4400.598	4350.813	4325.877	4270.228	4240.720	4227.642	4189.358	4154.611	4106.459	4044.675	4033.812	3982.706	Max Pen Depth
Class Réference to	o Ima	gi <u>ng</u> ō	: 2/1	2/20	2 <u>1</u> 4	(: <u>18</u> : _4	2 <u>9</u> 1 4	P <u>M_</u> .2	1.7	1.0	1.4	1.0	1.6	0.9	1.2	1.2	1.4	1.1	0.9	1.2	2.1	Max Lo

		/1
Class 1	6.223	.338/
Class 1	6.195	.34 091
Class 1	6.214	.33 12:
Class 1	6.226	.33 (295)
Class 1	6.195	.35 4 1
Class 1	6.186	.353
Class 1	6.199	666
Class 1	6.208	.349
Class 1	6.212	.342
Class 1	6.214	.343
Class 1	6.194	.355
Class 1	6.217	.344
Class 1	6.216	.346
Class 1	6.186	.355
Class 1	6.235	.336
Class 1	6.212	.342
Class 1	6.239	.339
Class 1	6.190	.349
Class 1	6.204	8EE.
Comments	Min Diam Ins	Vall Ins

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Analyst: E. Veliz Well: AGI #1 Pipe: 7", 29# County: Lea **Client: Lucid Energy**

Run#: 1 # Fingers: 56 Arm Bottom Depth: 6162.5' Top Depth: 17.0'

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Multi Arm 3.5[±] Page 32 of 143

to CBL logged 12-14-2017

Received by OCD. 2 Class 4 From 60 to 100

6.210

Class 1

Class 1	From 0 to 20
Class 2	From 20 to 40

		139	138	137	136	135	134	133	132	131	130	129	128	127	126	125	124	123	122	121	120	Item Number
		5515.213	5477.042	5437.196	5399.809	5357.451	5315.390	5274.054	5230.446	5188.939	5150.486	5111.308	5072.769	5033.861	4990.707	4947.738	4906.785	4866.855	4823.445	4783.217	4741.242	Top Body
_	Pe	11.186	37.248	39.046	36.792	41.421	41.081	40.129	42.728	40.569	37.474	38.141	37.630	37.857	42.174	41.918	39.930	38.951	42.444	39.249	40.995	Body Length
From0 to 20 Class 1	Penetration Tally Min Wall	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	NomID At Max Pen
:o 20	Tally Min	6.261	6.269	6.246	6.257	6.241	6.251	6.258	6.255	6.265	6.243	6.236	6.230	6.254	6.262	6.254	6.257	6.256	6.253	6.255	6.253	Mean Median Ins
From 20 Class 2	Wall	6.302	6.354	6.297	6.312	6.294	6.324	6.309	6.340	6.337	6.296	6.286	6.291	6.312	6.322	6.312	6.309	6.322	6.307	6.319	6.314	Max Pen Ins
20 to 40 2		5.574	11.656	6.769	7.461	7.015	9.803	6.843	11.354	9.762	7.006	6.602	7.949	7.835	8.190	7.753	6.973	8.837	7.204	8.610	8.184	Max Pen %
Released	l to Ima	5545.6	5479.4	5 4 1.6	5448.2	5396.5	5 <u>2</u> 7.2	5298.8	5245.6	5226.4	5185.4	5128.3	5088.8	5061.1	5006.5	4964.5	4919.2	4887.5	4857.5	4811.4	4756.0	Max P Dept

	From 60 to 100 Class 4		Received
			l by OC
Class 1	6.201	0.350	87 <mark>2</mark>
Class 1	6.195	0.352	68 (12/2
Class 1	6.216	0.340	47 1021
Class 1	6.187	0.352	34 12:4
Class 1	6.195	0.343	91 12:5
Class 1	6.232	0.332	15 3 P M
Class 1	6.201	0.345	30
Class 1	6.215	0.336	69
Class 1	6.190	0.354	42
Class 1	6.198	0.341	24
Class 1	6.200	0.349	30
Class 1	6.219	0.332	03
Class 1	6.224	0.341	75
Class 1	6.227	0.332	26
Class 1	6.207	0.345	35
Class 1	6.205	0.343	61
Class 1	6.224	0.338	47
Class 1	6.199	0.352	10
Class 1	6.208	0.350	72
Class 1	6.236	0.338	74
			199 10

)Cl
Class 1	6.201	0.350	87 <mark>2</mark>
Class 1	6.195	0.352	68 (12/2
Class 1	6.216	0.340	47 1021
Class 1	6.187	0.352	34 12:4
Class 1	6.195	0.343	91 (2:5
Class 1	6.232	0.332	15 <u>3 P</u> A
Class 1	6.201	0.345	30
Class 1	6.215	955.0	69
Class 1	6.190	0.354	42
Class 1	6.198	0.341	24
Class 1	6.200	0.349	30
Class 1	6.219	0.332	E0
Class 1	6.224	0.341	75
Class 1	6.227	0.332	26
Class 1	6.207	0.345	35
Class 1	6.205	0.343	61
Class 1	6.224	0.338	47
Class 1	6.199	0.352	10
Class 1	6.208	0.350	72
Class 1	6.236	0.338	74
Comments	Min Diam Ins	Min Wall Ins	% ssc

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Pipe: 7", 29# Analyst: E. Veliz County: Lea Well: AGI #1 Client: Lucid Energy

Bottom Depth: 6162.5' # Fingers: 56 Arm Run#: 1 Top Depth: 17.0'

Tool Type: Multi Arm Tool Size: 3.5" **Page 33 of 143** Feb. 08, 2021

12 12

Correlated to CBL logged 12-14-2017

	From 60 to 100 Class 4	En Fr	Freen40 to 60 Class 3	Ω ∓ RêçeBee
				l by OC
Class 1	6.229	0.349	1.128	95 D: 2
Class 1	6.202	0.323	1.927	85 (<u>12/</u> 2
Class 1	6.206	0.352	1.619	28 2021
Class 1	6.217	0.344	1.141	27 12:4
Class 1	6.195	0.353	1.448	43 12:5
Class 1	6.207	0.338	0.956	12 12 PN
Class 1	6.223	0.345	1.385	61 1
Class 1	6.211	0.330	2.385	54
Class 1	6.216	0.332	2.480	56
Class 1	6.202	0.352	1.012	60
Class 1	6.194	0.357	0.840	62
Class 1	6.185	0.355	1.042	72
Class 1	6.209	0.344	1.114	67
Class 1	6.223	0.339	1.279	89
Class 1	6.212	0.344	1.412	51
Class 1	6.219	0.345	1.240	66

		157	156	155	154	153	152	151	150	149	148	147	146	145	144	143	142	141	140	Item Number
		6123.843	6086.895	6046.960	6010.154	2969.285	5929.441	689.0685	5851.611	5815.145	3775.896	096.962	5698.634	5658.065	5616.473	5575.918	5555.020	5538.097	5527.199	Top Body
	Pf	36.751	36.294	38.922	35.798	39.732	38.880	37.758	38.028	35.486	38.155	37.857	37.218	39.533	40.655	39.590	19.960	16.123	7.764	Body Length
From0 to 20 Class 1	Penetration Tally Min Wall	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	6.184	NomID At Max Pen
io 20	Tallv Min	6.221	6.224	6.225	6.226	6.227	6.226	6.229	6.227	6.223	6.229	6.229	6.227	6.248	6.263	6.257	6.260	6.289	6.260	Mean Median Ins
From	Wall	6.254	6.266	6.263	6.264	6.264	6.266	6.284	6.269	6.272	6.269	6.272	6.315	6.303	6.315	6.309	6.311	6.360	6.318	Max Pen Ins
2 to Released to Imagi	ing: 2/1	4 2)2	5 12/42 12	4 <u>%9</u> 9	4904 2904	4 268	5.134	7.092	5.384	6.312	5.135	5.555	11.435	7.343	7.102	7.045	6.884	9.973	7.795	Max Pen

Date: Feb. 08, 2021 Tool Size: 3.5" Tool Type: Multi Arm Correlated to CBL logged 12-14-2017

Max Loss % | Min Wall Ins | Min Diam Ins

Comments

0.343

6.205

Class 1

1.291

0.346

6.214

6.206 6.207

Class 1 Class 1

Class 1

1.209 2.100

1.152

Baker Hughes ≽

Client: Lucid Energy Well: AGI #1 County: Lea Analyst: E. Veliz Pipe: 7", 29#

Top Depth: ' Bottom Dept Run#: 1 # Fingers: 5(

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Page 34 of 143

:	;	· ·		: !	
%	Max Pen Depth	Max Loss %	Min Wall Ins	Min Diam Ins	Comments
	5534.794	1.706	0.341	6.222	Class 1
	5550.627	1.818	0.320	6.251	Class 1
	5560.255	1.096	0.345	6.212	Class 1
	5577.409	1.408	0.345	6.203	Class 1
	5652.342	0.864	0.342	6.214	Class 1
	5680.927	0.997	0.349	6.199	Class 1
	5699.600	4.062	0.342	6.195	Class 1
	5772.076	1.173	0.364	6.197	Class 1
	5807.732	0.763	0.365	6.196	Class 1
	5849.253	2.273	0.364	6.184	Class 1
	5886.458	0.983	0.365	6.190	Class 1
	5912.969	0.866	0.358	6.195	Class 1
	5931.060	1.317	0.367	6.186	Class 1
	5995.031	1.014	0.368	6.190	Class 1
2-12-11	6019.838	1.233	0.368	6.192	Class 1
12.5	6065.008	1.131	0.368	6.195	Class 1
12.	2: 6120.090	2.078	0.367	6.187	Class 1
	6159.112	1.093	0.373	6.191	Class 1
D. 2/12/	D: 2/12/2				
11.00		From40 to 60 Class 3	0 7	From 60 to 100 Class 4	

Baker Hughes ≽

Well: AGI #1 Analyst: E. Veliz Client: Lucid Energy Pipe: 7", 29# County: Lea

Joint Analysis Statistics Definitions

Title	Units	Description
Item Number		The sequential pipe section number
Top Body	ft/m	Processed measured depth of the top of t
Body Length	ft/m	Length of the joint body
Mean Median Ins	in	The mean average value of the median ra length.
Max Pen Ins	in	Maximum twice radius in the joint.
Max Pen %	%	Maximum radius*2 in the pipe section exp percentage relative to the difference betw OD and Median ID.
Max Pen Depth	ft/m	Depth of the maximum wall penetration in
Min Wall Ins	in	Min Wall = Min (NomOD-Arm radii *2)/2
NomID At Max Pen	in	Nominal ID at the maximum radius depth
Max Loss %	%	The maximum value of metal loss in the p percentage areal loss of wall relative to th median inner diameter.
Min Diam Ins	j	Smallest diameter in the joint measured a arms.

Released to Imaging: 2/12/2021 4:18:29

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h: 7 0 *Page 35 of 143* 62.5

Date: Feb. 08, 2021 Correlated to CBL logged 12-14-2017 Tool Type: Multi Arm Tool Size: 3.5"

Arm

Bearing the OCD 2	12/2024	12.	12.5	2-7-1	15			
Received by OCD: 2/	6159.112	6120.090	6065.008	6019.838	5995.031	5931.060	5912.969	00001.00
n40 to 60 15 3	1.093	2.078	1.131	1.233	1.014	1.317	998.0	0.000

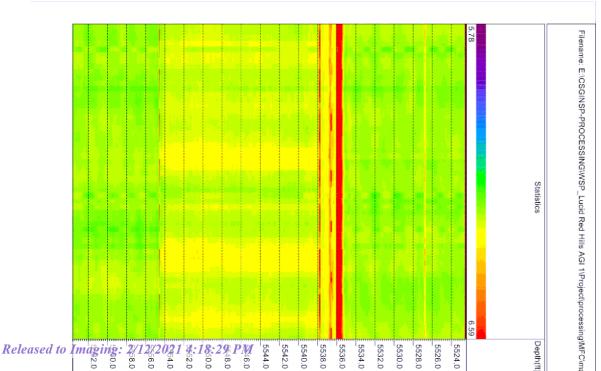
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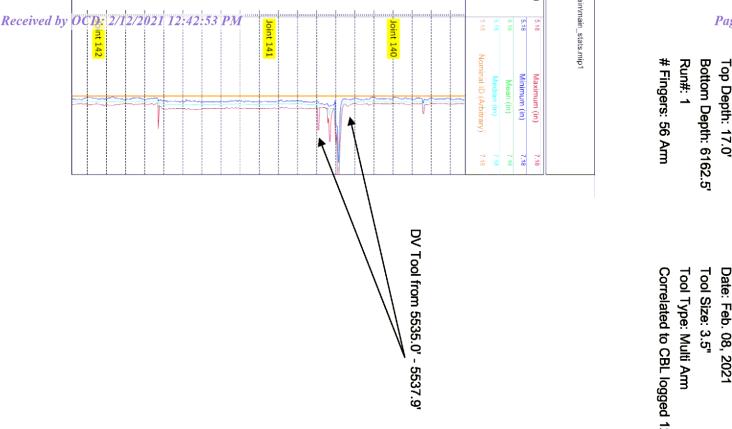
Date: Feb. 08, 2021 Tool Size: 3.5" Tool Type: Multi Arm Correlated to CBL logged 12-14-2017



Client: Lucid Energy Well: AGI #1 County: Lea Analyst: E. Veliz Pipe: 7", 29#

	Formula
he joint body	
idius*2 over the body	/ Mean Median = Mean (Median (Arm radii *2))
	Max pen = Max (radius*2)
ressed as a een the joint Nominal	Max pen% = 100 * Max (Radius*2- NomID)/(NomOD-MedianID)
the joint	
ipe expressed as the e outer diameter and	%age Wall Loss = (100/n) * Sum (Si^2 - ID^2)/(OD^2 - ID^2) where n is the number of caliper arms. Si is twice the radius measured by caliper arm i. ID is the Median ID of the pipe. Max loss% = Max (%age wall loss) in the pipe body
PM opposing	Min Diam = Min(Arm [x] radius*2 + Arm [x+Narms/2] radius*2)/2
Received by OCD: 2/12/2021 12:42:53	





Baker Hughes ≽

Client: Lucid Energy

Pipe: 7", 29# Well: AGI #1 Analyst: E. Veliz County: Lea

Definition of terms in MIPS Pipe analysis report

Pipe dimensions

Bottom Body (ft/m) Processed measured depth in m/ft of bo Body Length (ft/m) Length in m/ft of the pipe section. Top Body (ft/m) Processed measured depth in m/ft of top of Item (no.) In 'pipe-by-pipe' analysis this represents the sequ

Maximum penetration

point. Maximum penetration [Max.Pen] (ins or mm) Twice radius Maximum penetration % [Max.Pen (%)] Maximum penetral (Expressed as a diameter - twice radius - for comparison with

Maximum penetration depth [Max.Pen depth] Depth in m/

Wall Loss

Maximum loss % [Max.Loss (%)] The maximum value of m Percentage wall loss = (100/n) □□(Si ₂-ID₂)/(OD₂-ID₂), where

Minimum diametric restriction [Min Diam. (ins or mm)]

Smallest diameter in inches or mm of the pipe section measured

Minimum diametric restriction % [Min Diam. (%)] М

Smallest diameter in the pipe section measured on opposing

Minimum radial restriction [Min Res (ins or mm)] Snalles Maximum projection [Max Proj (ins or mm)]. Largest Projection Maximum projection % [Max Proj (%)]. Largest projection

Deformation & Ovality

reports it as "damage" because there is a change from wall loss relative to the wall thickness. It is our opin The terms "deformation & ovality" are used to des much

this type is from a mechanical mechanism and not corresion operator in the form of a leaking tubular connection.

Note: (below is just a precautionary statement to the ppe

maximum) and forces the reporting as such. It is wr to serve as an identifier to the operator, that there wull analysis by the software. The software looks for change

depth in the pipe the loss is calculated as:

twice the radius measured by caliper arm i, ID is the Median

Date: Feb. 08, 2021

Correlated to CBL logged 12-14-2017

Page 37 of 143

Page 38 of 143	Top Depth: 17.0' Bottom Depth: 6162.5' Run#: 1 # Fingers: 56 Arm	Date: Feb. 08, 2021 Tool Size: 3.5" Tool Type: Multi Arm Correlated to CBL logged 12-14-2017
ential pipe section numb the pipe section. sttom of the pipe section.	mber, selected during pipe end detectio ion.	ential pipe section number, selected during pipe end detection and editing, and indexed from the bottom up. the pipe section. yttom of the pipe section.
in inches or mm at maxin n Median ID and Dritt Ids). ion of the wall in the pipe	in inches or mm at maximum penetration of the pipe wall in the pipe section. Nedian ID and Drift Ids). ion of the wall in the pipe section, expressed as a percentage relative to the o	in inches or mm at maximum penetration of the pipe wall in the pipe section. Nedian ID and Drift Ids). Ion of the wall in the pipe section, expressed as a percentage relative to the difference between Median ID and OD at the maximum penetration
etal loss in the pipe, expressed as th n is the number of caliper arms, Si is	expressed as the percentage areal loss aliper arms, Si is	etal loss in the pipe, expressed as the percentage areal loss of wall relative to the outer diameter and nominal diameters. For each sampled n is the number of caliper arms, Si is
ired on opposing arm	red on opposing arms. Min Diam = Min(Arm [x] radius*2 + Arm [x+Narms/2] radius*2)/2	rm [x+Narms/2] radius*2)/2
areading in inche t areading in inche sette into the well bor nto the well bore from	are as a %age of Median ID. Min Diam % = 100 * Min(Arm [x] radius*2 + t are reading in inches or mm in the pipe section, (expressed as twice radiu active into the well bore from the pipe wall in ins or mm based on Median IR. 12 12	are as a %age of Median ID. Min Diam % = 100 * Min(Arm [x] radius*2 + Arm [x+Narms/2] radius*2)/(2* MedID)Restrictions t are reading in inches or mm in the pipe section, (expressed as twice radius for comparison with Median and Drift Ids). active into the well bore from the pipe wall in ins or mm based on Median IR.
tu221 th2/lars that are o th2/lominal ID tha ion/lhat when encc jest om nominal ID jest om nominal ID pirtur that even the pirtur that even the d be an issue with t	ut of round. When encountering issu t indicates metal loss. <i>The reporteo</i> untering this type of damage there i), thus ovality or "egg shaped" casin ough there is usually no metal loss a he pipe and should be monitored.	tugulars that are out of round. When encountering issues of this nature during the analysis the evaluation software the nominal ID that indicates metal loss. <i>The reported magnitude (% Ovality) is based on the percent of measured</i> for that when encountering this type of damage there is most often no actual metal loss as is reported during the percent of measured gestrom nominal ID, thus ovality or "egg shaped" casing results in a change from nominal ID (in both the minimum and pirtion that even though there is usually no metal loss associated with this type of damage it should be left in the report pirtion is an issue with the pipe and should be monitored.



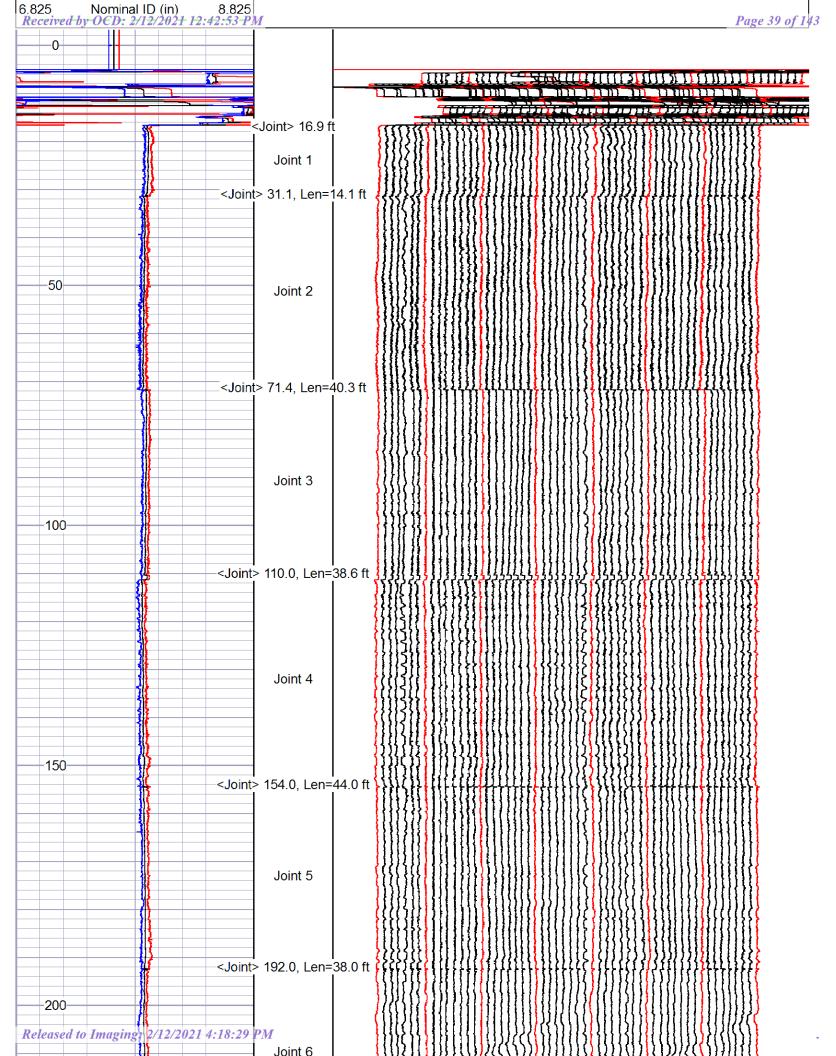
rate and cannot be proved or disproved by the data set obtained by this service as it outside the scope of said service). A feature of based in our opinion. One exception is when this type of feature occurs at the coupling. Occurring at the coupling could pose an issue for the

Main Pass: 5" / 100'

Database File wsp lucid red hills agi 1\project\processing\main final.db **Dataset Pathname** main_final 56f_29lb-hw Presentation Format Tue Feb 09 11:08:43 2021 **Dataset Creation** Charted by Depth in Feet scaled 1:240

5.184 Maximum-Finger (in) 7.184 PTANN

5.184 Average-Finger (in) 7.184 **Released to Imaging: 2/12/202** 5.184 Minimum-Finger (in) 4:18:29 7.184 РМ **56 FINGER TRACE**



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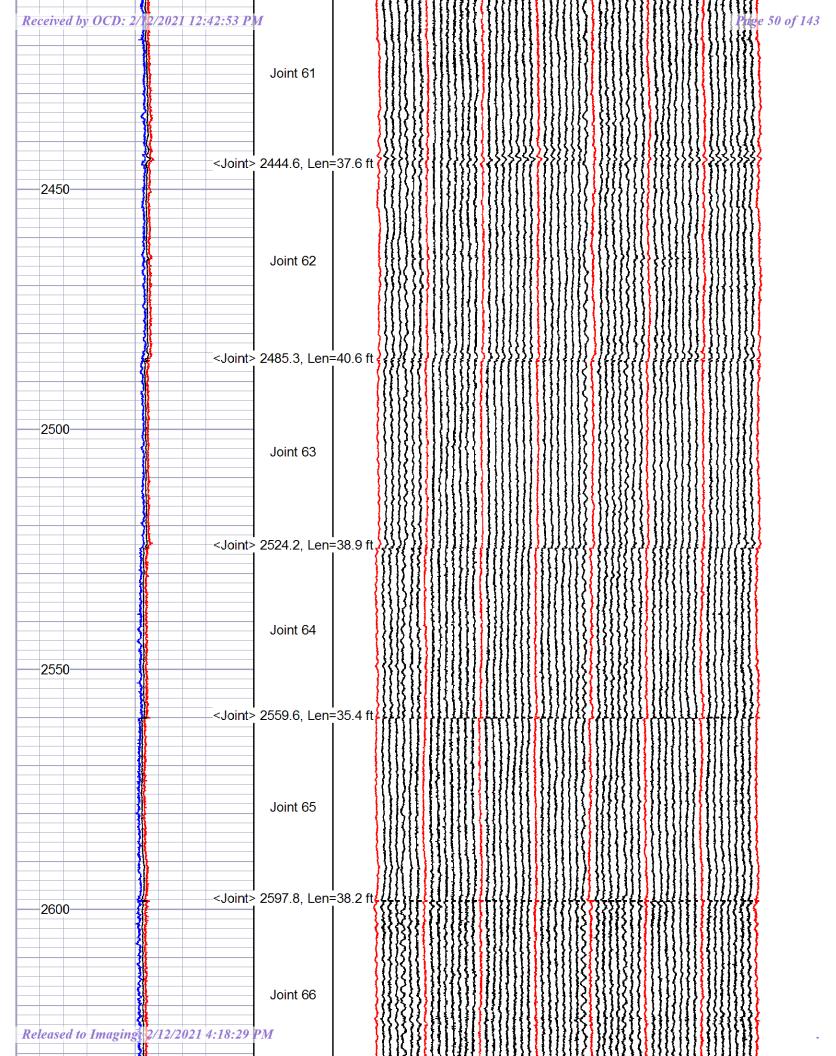
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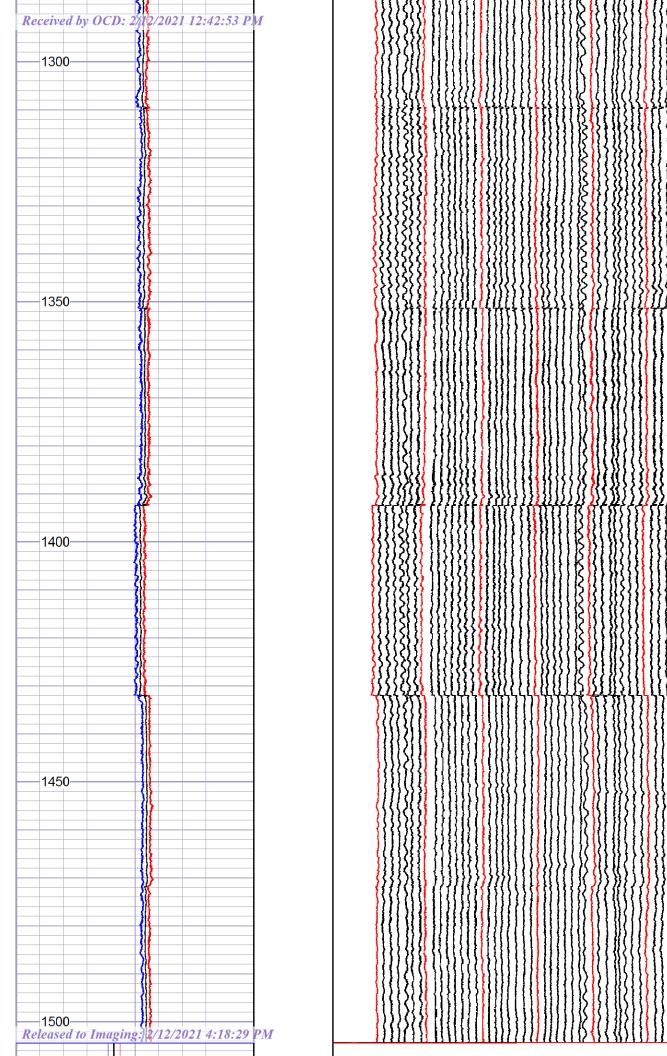
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5.184 Average-Finger (in) 7.184	
5.184 Minimum-Finger (in) 7.184	

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
LTENUSR	14.86		CHD-STNDRD Standard Cable Head	1.03	1.45	10.00
			CENT-3.625'_A2_InLine 2 3/4" 3.625' A2 Style In-Line Centralizer	3.63	2.75	30.00
Meas	6.29 —		XIPEMAC-56 (10113) Hotwell 56 Arm caliper	6.58	3.50	100.00
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eceiveu by OCD. 2/1	2/2021 12:42:53 PM		CENT-3.6 2 3/4" 3.6	825'_A2_InLin 25' A2 Style Ir	e n-Line Centrali	zer	3.63	2.75	Page 70 of 30.00
UTCTIM 0.00									
		vsp_casing_ I4.86 ft	log.db: luci	d_red_hills/	/agi_1/run0	/ical_main_	pass	1	
	Total weight:	70.00 lb							
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			Calibration						
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		GOWell	56 Arm Ca	libration Re	eport				
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Ref ID:	5.00	6.00	7.00	8.00	9.00	Offset	in		
Arm1	5.33	6.31	7.28	8.20	9.19	0.00	in		
Arm2	5.22	6.23	7.16	8.11	9.10	0.00	in		
Arm3	5.19	6.22	7.15	8.11	9.11	0.00	in		
Arm4	5.29	6.32	7.26	8.22	9.20	0.00	in		
Arm5	5.20	6.25	7.21	8.16	9.14	0.00	in		
Arm6	5.35	6.39	7.34	8.32	9.29	0.00	in		
Arm7	5.31	6.34	7.28	8.27	9.23	0.00	in		
Arm8	5.15	6.18	7.14	8.11	9.07	0.00	in		
Arm9	5.31	6.34	7.29	8.28	9.23	0.00	in in		
Arm10	5.43	6.48	7.43	8.42	9.34	0.00	in in		
Arm11	5.40	6.43	7.40	8.39	9.34	0.00	in in		
Arm12	5.24	6.25 6.31	7.23	8.22 8.30	9.15	0.00 0.00	in in		
Arm13 Arm14	5.28 5.23	6.25	7.29 7.23	8.23	9.23 9.17	0.00	in in		
Arm14 Arm15	5.39	6.25 6.38	7.23 7.36	6.23 8.37	9.17 9.30	0.00	in in		
Arm16	5.31	6.31	7.30	8.31	9.30 9.24	0.00	in		
Arm17	5.11	6.11	7.12	8.13	9.24 9.05	0.00	in		
Arm18	5.39	6.38	7.37	8.37	9.26	0.00	in		
Arm19	5.21	6.21	7.25	8.27	9.21	0.00	in		
Arm20	5.39	6.26	7.16	8.08	8.91	0.00	in		
Arm21	5.65	6.57	7.50	8.42	9.30	0.00	in		
Arm22	5.33	6.28	7.28	8.23	9.11	0.00	in		
Arm23	5.20	<mark>6.1</mark> 6	7.20	8.20	9.12	0.00	in		
Arm24	5.08	6.00	7.04	8.02	8.92	0.00	in		
Arm25	5.25	6.19	7.23	8.20	9.15	0.00	in		
Arm26	5.33	6.24	7.26	8.21	9.14	0.00	in in		
Arm27	5.21	6.12	7.19	8.16	9.10	0.00	in		
Arm28	5.15	6.06	7.08	8.02	8.95	0.00	in in		
Arm29 Arm30	4.65 5.17	5.62 6.03	6.56 7.05	7.61 7.98	8.48 8.86	0.00 0.00	in in		
7411100	0.11	0.00	1.00	1.00	0.00	0.00		* Bad	
		COM/201	56 Arm Ca	libration Pr	aport			Dau	
	DAD 2021 4:18:29 PM	GOWell	10113	noration Re	port				

Performed: eceived by OCD: 2/12/2021 12.	·12.52 DM		Tue Feb	02 12:41:4	6 2021			Page 71 of
Ref ID:	5.00	6.00	7.00	8.00	9.00	Offset	in	ruge / 1 oj
Arm31	5.05	5.96	6.97	7.99	8.88	0.00	in	
Arm32	5.12	5.99	7.00	7.93	8.86	0.00	in	
Arm33	5.06	5.93	6.97	7.92	8.87	0.00	in	
Arm34	5.08	5.95	7.01	7.94	8.89	0.00	in	
Arm35	5.18	6.06	7.11	8.04	9.02	0.00	in	
Arm36	5.12	5.97	6.97	7.86	8.82	0.00	in	
Arm37	5.07	5.94	6.95	7.90	8.86	0.00	in	
Arm38	5.26	6.13	7.14	8.04	9.01	0.00	in	
Arm39	5.14	6.01	7.05	7.97	8.98	0.00	in	
Arm40	5.24	6.10	7.10	8.00	9.00	0.00	in	
Arm41	5.10	5.99	7.00	7.92	8.96	0.00	in	
Arm42	5.20	6.09	7.09	7.99	9.02	0.00	in	
Arm43	5.12	6.02	7.00	7.93	8.97	0.00	in	
Arm44	5.30	6.21	7.20	8.12	9.12	0.00	in	
Arm45	5.08	6.00	7.00	7.92	8.98	0.00	in	
Arm46	5.29	6.21	7.20	8.09	9.11	0.00	in	
Arm47	5.10	6.04	7.03	7.95	9.01	0.00	in	
Arm48	5.14	6.11	7.10	8.02	9.06	0.00	in	
Arm49	5.13	6.09	7.11	8.05	9.12	0.00	in	
Arm50	5.18	6.15	7.12	8.04	9.10	0.00	in	
Arm51	5.15	6.13	7.10	8.04	9.10	0.00	in	
Arm52	5.18	6.15	7.17	8.11	9.06	0.00	in	
Arm53	5.08	6.10	7.10	8.07	9.10	0.00	in	
Arm54	5.08	6.10	7.09	8.03	9.07	0.00	in	
Arm55	5.15	6.16	7.13	8.08	9.11	0.00	in	
Arm56	5.12	6.13	7.08	8.02	9.05	0.00	in	
Arm57							in	
Arm58							in	
Arm59							in	
Arm60							in	
								* Bad

	GOWel	I 56 Arm Verification Report		
Performed:	Pre Verification Tue Feb 02 12:45:08 20	Post Verification 21 Mon Feb 08 13:16:00 202	Casing C 1 Tue Feb	heck 02 12:53:09 2021
Ref ID:	7.00	7.00	7.00	in
Min.	6.96	6.89	6.96	in
Max.	7.01	6.98	7.01	in
Avg.	7.00	6.95	7.00	in
Dia1	7.00	6.94	7.00	in
Dia2	7.00	6.95	7.00	in
Dia3	7.01	6.97	7.01	in
Dia4	7.00	6.94	7.00	in
Dia5	6.99	6.95	7.00	in
Dia6	7.00	6.93	7.00	in
Dia7	7.00	6.95	7.00	in
Dia8	6.99	6.94	6.99	in
Dia9	7.01	6.97	7.01	in
Dia10	7.00	6.94	7.00	in
Dia11	7.00	6.97	7.00	in
Dia12	7.00	6.95	7.00	in
Dia13	7.00	6.98	7.00	in
Dia14	7.00	6.96	7.00	in
Dia15	7.00	6.98	7.00	in
Dia16	7.00	6.96	7.00	in
Dia17	7.00	6.97	7.00	in
Dia18	7.00	6.96	7.00	in
eased to Imaging: 2/12	1/2021 4:18:29 PM	6.98	7.00	in
Dia20	7.00	6.06	7.00	in

Diazu	1.00	0.90	1.00	111	
Received by OCB: 2/12/202	1 12.43.99 PM	6.96	7.00	in	Page 72 of 143
Dia22	7.00	6.89	7.00	in	1 uge 72 0j 143
Dia23	6.99	6.97	6.99	in	
Dia24	6.96	6.90	6.96	in	
Dia25	6.99	6.94	6.99	in	
Dia26	7.00	6.93	7.00	in	
Dia27	7.00	6.97	7.00	in	
Dia28	7.00	6.96	7.00	in	



Company	LUCID ENERGY
Well	AGI #1
Field	RED HILLS
County	LEA
State	NEW MEXICO

Baker Hughes ≽

Baker Hughes Company 12701 N Santa Fe Ave Oklahoma City, OK 73114

Manager: Larry O'Handley Tel. (405) 252 - 6594

Analysis Manager: Jerrod Wood Tel. 618 392 3300

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Executive Summary

On February 8, 2021, Baker Hughes Company Wireline Services, operating from OKLAHOMA CITY, OK completed a HR Vertilog magnetic flux leakage (MFL) casing inspection survey on the LUCID ENERGY RED HILLS AGI #1.

A total of 145 individual joints of casing were identified during the inspection survey. Within this report, the term "casing" is intended to mean the downhole tubulars which are the subject of the survey, and which may include well casings, liners or production tubing.

A total of 0 metal loss features exceeding the 20% reporting threshold were identified during the HR Vertilog survey. Of the 0 total metal loss features, 0 were identified as internal features, and 0 were identified as external features.

A total of 0 metal loss features exhibited predicted depths exceeding 80% of wall thickness. The maximum depth among all metal loss features was 0%. Any metal loss features of 80% or greater body wall loss will have a 0 PSI burst pressure rating and should be considered to have possible total or near total body wall penetration.

A total of 0 metal loss features exhibited ERF values exceeding 1.0. The maximum ERF among all metal loss features was 0.000.

This Final Report is intended to serve as an overall summary of the inspection results. The accompanying InSight Data CD contains a comprehensive Feature List which represents the complete findings of the HR Vertilog casing survey.

Evaluation Comments:

17.79 ft Hardware - External CSG Head Response.

- 5351.42 ft Hardware Bottom of 9.625" external CSG.
- 5527.03 ft Collar Non standard connection. Possibly welded.
- 5536.94 ft Hardware DV Tool

5545.72 ft Hardware - Unknown external casing hardware.

The Baker Hughes caliper analysis dated 8-Feb-2021 revealed that the casing weight was a better fit for 7.0" - 29.0 lb/ft API specifications. 7.0" - 29.0 lb/ft casing parameters were used for the HRVRT burst pressure calculations.

This analysis depth correlated to Baker Hughes caliper analysis dated 8-Feb-2021.

All joints surveyed report class 1 at this time.

HR VERTILOG INSPECTION FINAL REPORT

1. Job Information

Baker Hughes Company Wireline Services completed a HR Vertilog casing inspection survey on the LUCID ENERGY AGI #1 on February 8, 2021. The job parameters are summarized in the following well, service and equipment data tables.

1.1. Well Data

The following well data and casing records were provided by representatives of LUCID ENERGY.

Table 1. Well Data

		Well	l Identif	ication			
Company	LUCID EN	ERGY					
Well	AGI #1	AGI #1					
Field	RED HILLS	6					
County/Paris	h LEA						
State/Provinc	e NEW MEX	ICO	Coun	try		U.S.A	
API Number	30-025-404	148	Locat	tion		1600' FSL & 150' FEL	
Section	13	Township	2	24S	Rang	e	33E
		·	Elevati	ons			
Kelly Bushin	g	3592.50 feet					
Drilling Floor		3592.50 feet					
Ground/Sea I	Floor	3574.00 feet					
Permanent D	atum Is	GL	F	Permanent Da	tum Ele	evation	3574.00 feet
Log Measure	d From	KB	KB Height Above Datum			18.50 feet	
Drilling Meas	ured From	KB	KB Height Above Datum			3592.50 feet	
		Boreh	nole Infe	ormation			
Fluid	uid FRESHWAT Wellhead Pressure 0 psi Well Dept		Well Depth	6650.00 feet			
	·	Ca	ising R	ecord	·		
Size	Weight	Grade		From		То	Length
7.000 in	26.0 lb/ft	L80		0.00 ft		50.00 ft	6650.00 ft
9.625 in	40.0 lb/ft	J55		0.00 ft		46.00 ft	5346.00 ft

HR	VERTILOG	INSPECTION	FINAL	REPORT
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1.2. Service Data

The Baker Hughes Company Wireline Services field services are summarized in the table below.

Table 2. Service Data

Service Information		
Job Date	February 8, 2021	
Service Order	US178167	
Recorded By	CHRIS COFFELT	
Witnessed By	MR. MIKE FOURRIER	
Service Location	OKLAHOMA CITY, OK	
Service Unit Number	6670	
	Logging Information	
Service		
Bottom Logged Interval	5694.00 feet	
Top Logged Interval	0.00 feet	
Additional Services		
Remarks:		

1.3. Pressure Calculations

The following information was provided by LUCID ENERGY for use in pressure calculations.

Pressure Calculations:		
Burst Pressure Calculation	Modified B31G	
Interaction Criteria	RP0102 - Fixed BW Ratio 6.0T x 6.0T	

1.4. Equipment Data

The following Baker Hughes Company Wireline Services equipment assets were utilized in the performance of the inspection services.

Table 3. Equipment Data

Equipment Data		
Tool Series Number	7 to 9-5/8 Inch HRVRT 96 FL + 96 DIS Tool	
Electronics Series Number	MuxDB	
Interface Panel Series Number	4921	
Calibration Reference Number		
Acquisition Software	Microvision 32-bit 7.6.2.2	
Analysis Software	Insight 2.7.1.20180409.1	

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2. Casing Configuration

2.1. Casing Segments

For the purpose of this report, a casing "segment" refers to an interval of casing with consistent physical properties and operating parameters. The concept of casing segments is used within the context of this report to define casing intervals for the purpose of pressure-based analysis, including burst strength analysis and pressure ratio calculations.

Casing segments with consistent nominal wall thickness (T), external diameter (D), maximum allowable operating pressure (MAOP), internal design pressure (P_i), and specified minimum yield strength (SMYS) are defined as "major" casing segments.

MFL inspection technology alone does not conclusively identify or quantify the parameters which define a major casing segment. It is therefore the responsibility of the well operator to provide the appropriate casing specifications in advance of the survey for the purpose of pressure-based analysis and reporting.

The high-resolution MFL technology employed for this survey may, under certain conditions, provide data which indicates a casing parameter that differs from the operator's reported values. Such discrepancies, typically in the form of a suspected weight or grade variation, will be brought to the attention of the operator by designating these intervals as "minor" casing segments. A minor segment is therefore identified by the analyst as a subset of the major casing segment reported by the well operator.

If the casing weight or grade of a minor segment can be reliably ascertained by the analyst, it will be noted in the inspection database. However, only the major segment parameters provided and/or approved by the operator will be used for the purpose of pressure-based analysis and reporting. If the well operator subsequently determines to re-specify a minor casing segment for any reason, it then becomes, by definition, a major segment, and the data over this interval must be re-interpreted accordingly.

Major casing segments will be identified and indexed numerically (i.e. 1, 2, 3) by increasing depth, while minor segments will be identified with respect to the major segment in which they occur (i.e. 1.1, 1.2, 2.1).

The major and minor casing segments identified in the course of this survey are summarized in the Casing Segment Report (on the accompanying CD).

2.2. External Casings

Any interval of casing positioned coaxially and external to the primary casing undergoing inspection is considered to be an "external casing" for the purpose of this report. External casings do not directly affect the pressure-based analysis in the primary casing, so the presence of one or more external casings has no bearing on the determination of major or minor casing segments, as described above.

External casings can, however, directly affect metal loss feature sizing by altering magnetic interactions within the primary casing. Consequently, all external casing intervals must be identified and compensated for in the course of data analysis.

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The start and end positions of all external casings and major/minor casing segments shall be reported as the logging depth whenever these positions can be reliably determined directly from the inspection data. In the absence of sufficient log data, all casing positions will be analyzed and reported according to the casing data provided by the well operator.

The external casings identified during this survey are summarized in the External Casing Report (on the accompanying CD).

3. Feature List

Casing "features" are defined as all of the downhole casing components and anomalies identified during the inspection survey.

Features include components related to the physical construction of the well, such as collars, perforations, centralizers, repairs, and downhole hardware. Features also include individual casing anomalies, such as metal loss features, mill-related anomalies, and deformations.

The "Feature List" is simply a comprehensive list of all individual casing features identified during the survey, organized by their position within the well. The position of any feature is always reported as the logging depth to the mid-point, or centerline, of each feature.

The Feature Summary (Table 4, below) lists the casing features identified during the survey, summarized by category.

Table 4: Feature Summary

Occurrences	Description
145	Casing Joints
144	Collars
4	Casing Hardware
0	Perforated Intervals
0	Repair Intervals
0	Metal Loss Features
0	Mill-Related Anomalies
0	Deformation Features

The Feature List (on the accompanying CD) contains a complete listing of the features identified during the inspection survey, and serves as the database for all of the individual summaries, reports, and figures contained in this Final Report.

4. Casing Components

The category of "casing components" represents three types of downhole hardware features which contribute to the physical make-up and functionality of the well, and two types of casing anomalies which do not fit within the conventional definition of metal loss features, as described in Section 5.

Casing components associated with downhole hardware include various mechanical features which routinely form part of the well construction, such as collars, centralizers, perforations, mandrels and repairs. The casing joints themselves are analyzed separately, and are therefore not identified as casing "components" for the purpose of this report.

Casing components also include two types of features associated with casing anomalies which fall outside of the conventional metal loss feature definition. These features are mill-related anomalies, which result from the casing manufacturing process, and collar anomalies, which are features associated specifically with the casing collar connections.

The five types of casing components identified by the survey are described and summarized in the sections below.

4.1. Hardware

Casing hardware is determined to mean any physical downhole hardware, other than the casing joints themselves, which comprise the downhole well casing below the log "zero" point, which is typically identified as the top of the master valve or casing flange. Wellhead components above the log zero point are not considered part of the casing or casing components for the purpose of this report.

Casing hardware includes components that serve to connect the casing joints together (e.g., collars), components affixed to the outside of casing (e.g., centralizers, scratchers, clamps), and any class of downhole tools or components which make-up integral to the casing (e.g., mandrels, DV tools, float collars, casing shoes, safety valves, casing packers).

Many casing hardware components represent a significant addition of ferromagnetic material, which adversely affects the tool's magnetic interactions with the casing body. As a result, metal loss anomalies in the casing body which may occur in association with hardware, for example corrosion under a centralizer, are not identified or sized as part of the standard analysis.

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The Hardware Summary (Table 5, below) serves to summarize the casing hardware identified during the survey by type.

Table 5: Hardware Summary

Occurrences	Description
144	Collars
0	Centralizers
0	Scratchers
0	Clamps
0	Gas Lift Mandrels
1	DV Tools
0	Girth Welds
0	Casing Shoes
0	Casing Packers
0	Safety Valves
3	Other

The Feature List (on the accompanying CD) contains a comprehensive listing of individual casing hardware components identified during the survey.

4.2. Perforations

Perforations are intervals of the well casing in which perforations, slotted liners or other means of communication with the formation are located. Analysis of the survey data will serve to identify the beginning and end of the perforated intervals, but no attempt is made to ascertain perforation shot type, density, or phasing.

Metal loss anomalies which may occur within the perforated intervals are not identified or sized as part of the standard analysis.

The Perforated Interval Summary (Table 6, below) provides a summary of the perforated intervals identified during the survey.

Table 6: Perforated Interval Summary

Occurrences	Description
0	Perforated Intervals
0	Slotted Liners

The Feature List (on the accompanying CD) contains a comprehensive listing of individual perforated intervals identified during the survey, including their start point, end point, and total length.

4.3. Repair Intervals

Repair intervals are segments of the well that contain existing casing repairs at the time of the survey, such as an internal casing patch, or other form of repair sleeve.

Any metal loss anomalies which may occur within repair intervals are not identified or sized as part of the standard analysis.

The Repair Interval Summary (Table 7, below) provides a summary of the repairs identified during the survey.

Table 7: Repair Interval Summary

Occurrences	Description
0	Repair Intervals

The Feature List (on the accompanying CD) contains a comprehensive listing of individual existing repair intervals identified during the survey.

4.4. Mill-related Anomalies

Mill-related anomalies are features in the casing body or weld metal resulting from the manufacturing process. Mill-related anomalies may be identified, but not sized, as part of the standard analysis.

Mill-related anomalies are classified in two general categories:

- *i.* Manufacturing Anomalies: manufacturing anomalies are features of the manufacturing process which occur in the casing body, such as laminations, inclusions, or scabs.
- ii. Seam Weld Anomalies: Seam weld anomalies are features of the manufacturing process which occur in the casing seam weld (if present), such as incomplete fusion or lack of penetration.

The Mill-related Anomalies Summary (Table 8, below) serves to summarize the mill-related anomalies, organized by type.

Occurrences	Description
0	Manufacturing Anomalies
0	Seam Weld Anomalies
0	Total

The Feature List (on the accompanying CD) contains a comprehensive listing of the mill-related anomalies identified during the survey.

4.5. Collar Anomalies

For the purpose of this report, casing "collars" are defined to include any means of mechanically coupling individual joints of casing together in a well. Collars include conventional casing connection methods utilizing a short external collar, as well as all types of "flush" joint connections, where both the male and female threads are integral to the casing.

Collars are employed to connect two joints of casing together, or to connect one end of a joint of casing to an integral downhole tool, mandrel, or other casing component. Any girth weld occurring below the master valve or casing flange is considered to be a collar, within this report.

The HR Vertilog survey may detect two types of anomalies associated with the collars:

- *i.* Collar Anomalies: Metal loss anomalies occurring within the casing body, either under the collar in the case of an external collar, or within the threaded connection interval in the case of a flush joint collar.
- ii. Make-up Anomalies: Any MFL collar signature that deviates in one or more material respects (e.g. signature length, amplitude, form) from the typical collar response in the well. For example, a collar signature with an atypically long "gap" between casing ends may indicate cross-threading, insufficient make-up torque, or improper seating, all of which may be a possible sources of collar leaks.

Collar length is determined according to the length of the MFL signature, which typically exceeds the physical dimensions of the collar connection. Since collars contain threads and other complex metal gain/loss profiles, the capacity of MFL technology to detect and size metal loss features in the casing body may be diminished or eliminated within the collar, depending on the collar type.

Accordingly, collar anomalies may be identified, but are not sized, as part of the standard analysis. If collar anomaly size is provided, the performance specification for anomaly sizing does not apply.

Collar anomalies identified during the survey are included in the Collar Anomaly Summary (Table 9, below), which serves to summarize these features by type.

Occurrences	Description
0	Collar Anomalies
0	Make-up Anomalies
144	Total Collars

Table 9:	Collar Anomalies	Summary
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The Feature List (on the accompanying CD) contains a comprehensive listing of the collar anomalies and make-up anomalies identified during the survey.

5. Metal Loss Features

Metal loss features are defined as anomalies in the casing body in which metal has been removed, typically as a result of corrosion or mechanical damage, such as gouging.

Metal loss features detected during the survey are summarized in this report by the following methods:

- i. Surface location: according to the surface of origin, either internal or external
- ii. Depth-based: according to the depth of penetration
- iii. Pressure-based: according to the effect on remaining strength of the casing
- iv. Feature type: according to a classification based on length, width, and wall thickness
- v. Joint summary: according to the most severe features identified per individual casing joint

5.1. Surface Location

The metal loss features detected during the survey are summarized according to their surface location, either internal or external, in the Surface Location Summary (Table 10, below).

Table 10: Surface Location Summary

Occurrences	Description
0	Internal Metal Loss Features
0	External Metal Loss Features
0	Total

The distribution of metal loss features according to their surface location is illustrated in a series of Surface-Based Histograms (Attachment 5.1). Three histograms are presented:

- Surface location: all metal loss features
- Surface location: internal metal loss features
- Surface location: external metal loss features

The vertical axis of each histogram corresponds to the log depth, and the horizontal axis corresponds to the number of occurrences. Each horizontal bar in the histogram represents the total number of occurrences within a 10.00 foot interval of the well.

5.2. Depth-Based Analysis

The metal loss features identified during the survey are summarized according to their depth of penetration (DOP) in the Metal Loss Depth-Based Summary (Table 11, below).

The individual metal loss features are summarized in the three columns on the left of the table according to their depth range and surface location. All individual metal loss features identified during the survey are represented in this section of the summary.

In the right hand column of the table, the maximum depth of any metal loss feature within individual joints of casing is summarized. Where more than one metal loss feature is contained in a joint, only the

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feature with the maximum depth of penetration is reported, so that each joint of casing appears in the table only once.

Meta	al Loss Featu	res	Metal Lass Donth	Number of
Internal	External	Total	Metal Loss Depth	Joints
N/A	N/A	N/A	0% ≤ d < 20%	145
0	0	0	20% ≤ d < 30%	0
0	0	0	30% ≤ d < 40%	0
0	0	0	40% ≤ d < 50%	0
0	0	0	50% ≤ d < 60%	0
0	0	0	60% ≤ d < 70%	0
0	0	0	70% ≤ d < 80%	0
0	0	0	80% ≤ d	0
0	0	0	Total	145

Table 11: Metal Loss Depth-Based Summary

5.2.1. Maximum Depth

The distribution of metal loss features within the well according to their maximum depth of penetration is illustrated in a series of Maximum Depth Histograms (Attachment 5.2.1). Three histograms are presented:

- Maximum depth: all metal loss features
- Maximum depth: internal metal loss features
- Maximum depth: external metal loss features

The vertical axis of each histogram corresponds to the HR Vertilog Log depth, and the horizontal axis corresponds to the number of occurrences. Each horizontal bar in the histogram represents the total number of occurrences within a 10.00 foot interval of the well.

5.2.2. Depth Range

The distribution of metal loss features within the well according to their depth range is illustrated in a series of Depth Range Histograms (Attachment 5.2.2). Four histograms are presented:

- All metal loss features (all reported depths)
- Metal loss features with $20\% \le depth \le 50\%$
- Metal loss features with $50\% \le \text{depth} < 80\%$
- Metal loss features with depth \geq 80%

The vertical axis of each histogram corresponds to the HR Vertilog Log depth, and the horizontal axis corresponds to the number of occurrences. Each horizontal bar in the histogram represents the total number of occurrences within a 10.00 foot interval of the well.

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5.2.3. Severity List and Feature Location Sheets

The Depth-Based Severity Report (Attachment 5.2.3) lists the 5 most severe metal loss features detected during the survey, according to their depth of penetration.

In order to help facilitate the location and recovery of these features in the field, the Depth-Based Severity Report includes a Feature Location Sheet for each feature listed.

The Feature Location Sheets includes a description of each feature, and a schematic diagram that indicates a) the feature with respect to casing joint number and depth in the well b) the feature location within the specified casing joint, and c) the joint location with respect to adjacent joints.

5.3. Pressure-Based Analysis

Pressure-sentenced ratios are non-dimensional terms which help operators assess the severity of metal loss features detected during the survey.

This report determines the Estimated Repair Factor (ERF) on the basis of operating pressures and metal loss feature assessment methods selected by the operator, and identified in Section 1.2 of this report. The ERF is calculated as follows;

$$ERF = P/P_{safe}$$

Where: P = MAOP, MOP, or other Operator selected pressure value, and

> P_{safe} = the safe operating pressure as calculated by the metal loss features assessment method selected by the Operator (e.g. B31G, Modified B31G, Effective Area)

The ERF Summary is presented in Table 12, below.

Occurrences	ERF Values	Number of Joints
0	Metal loss features with ERF < 0.6	145
0	Metal loss features with 0.6 \leq ERF $<$ 0.8	0
0	Metal loss features with 0.8 ≤ ERF < 0.90	0
0	Metal loss features with 0.9 \leq ERF $<$ 1.0	0
0	Metal loss features with ERF ≥ 1.0	0
0	Total	145

Table 12, EDE Summary

5.3.1. Pressure-Sentenced Plot

The pressure-sentenced plot graphically displays all metal loss features within each major segment on the basis of feature length (x-axis) and depth (y-axis). The reference line on the

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plot corresponds to an ERF equal to 1.0. Metal loss features with a calculated ERF *greater than* 1.0 plot *above* the reference line.

This report contains one pressure-sentenced plot for each major pipeline segment defined by the operator. The value for pipeline external diameter, D, is assumed to be constant throughout each major segment.

Pressure-Sentenced Plots are presented in Attachment 5.3.1.

5.3.2. Pressure-Based Histograms

The distribution of metal loss features within the well, according to their effect on remaining strength, is illustrated in a series of Pressure-Based Histograms (Attachment 5.3.2). Four histograms are presented:

- All metal loss features
- Metal loss features with ERF < 0.8
- Metal loss features with $0.8 \leq ERF < 1.0$
- Metal loss features with ERF \geq 1.0

The vertical axis of each histogram corresponds to the HR Vertilog log depth, and the horizontal axis corresponds to the number of occurrences. Each horizontal bar in the histogram represents the total number of occurrences within a 10.00 foot interval of the well.

5.3.3. Severity List and Feature Location Sheets

The Pressure-Based Severity Report (Attachment 5.3.3) lists the 5 most severe metal loss features detected during the survey according to their Estimated Repair Factor (ERF).

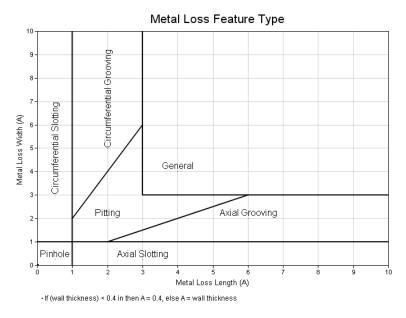
In order to help facilitate the location and recovery of these features in the field, the Pressure-Based Severity Report includes a Feature Location Sheet for each feature listed.

The Feature Location Sheets includes a description of each feature, and a schematic diagram that indicates: a) the feature with respect to casing joint number and depth in the well; b) the feature location within the specified casing joint, and; c) the joint location with respect to adjacent joints.

5.4. Feature Type

Feature type is a classification system that serves to group metal loss features within one of seven geometric categories. Feature Type classifies features according to their estimated length and width as a function of casing body wall thickness ("t"), as illustrated in the graphic, below.

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Metal Loss Feature Type graphic adapted from the Pipeline Operators Forum [POF] Metal Loss Definitions

The Feature Type Summary (Table 13 below) serves to summarize all metal loss features identified during the survey according to type.

	Occurrences									
Feature Type	Internal	External	Total							
Pinholes	0	0	0							
Pits	0	0	0							
General	0	0	0							
Axial Grooving	0	0	0							
Axial Slotting	0	0	0							
Circumferential Grooving	0	0	0							
Circumferential Slotting	0	0	0							
Total	0	0	0							

Table 13: Feature Type Summary

The distribution of metal loss by feature type is graphically illustrated in the Feature Type Plot (Attachment 5.4).

5.5. Joint Summary

The Joint Summary represents a comprehensive list of the individual joints of casing in the well. By convention, joint numbering starts from the surface, or top logged interval, and increments with increasing well depth.

The Joint Summary uniquely identifies each joint by joint number, start/end depth, length, casing weight and grade. The mid-point, or centerline, of the uphole and downhole collars serves to identify the start and end point of a casing joint.

The Joint Summary additionally describes the condition of each joint in terms of the maximum metal loss feature DOP. The individual feature number associated with the maximum DOP is also indicated.

A Joint Classification is assigned to each joint per the well operators' convention based on maximum DOP per joint.

The Joint Classification (Table 14, below) serves to summarize the casing joints by maximum metal loss feature DOP.

Occurrences	Description
145	Class 1 (0% - 20%)
0	Class 2 (20% - 40%)
0	Class 3 (40% - 60%)
0	Class 4 (60% - 100%)
145	Total

The Joint Summary Report (on the accompanying CD) contains a comprehensive listing of the casing joints identified during the survey.

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6. System Qualification and Quality Control

6.1. System Qualification

The HR Vertilog system used to acquire and analyze the magnetic flux leakage casing inspection data and generate this report is a part of Baker Hughes Company Pipe Evaluation Services. Baker Hughes Company is a recognized industry leader in the field of downhole casing inspection technology, and provides MFL casing inspection services utilizing the Vertilog, Digital Vertilog, MicroVertilog and HR Vertilog series tools on a global basis.

The personnel and equipment used to perform this HR Vertilog inspection survey have been qualified according to the Vertilog Tools Operations (WS-CHL-1004-Q) – Qualification Assessment. Well log Data Analysts have been qualified to perform according to the B *Geoscience Magnetic Flux Leakage Certification Policy* (OPS-GLB-En-104271).

The complete HR Vertilog performance specifications are contained in the *HR Vertilog Performance Specification* (document PS 501).

6.2. Best Efforts

All opinions, interpretations, and analysis provided in this report or in connection with this survey are provided to the well operators on a "best efforts" basis. It remains as the sole responsibility of the well operator to use the information contained in this report to draw their own conclusions regarding the condition of the casing, and to undertake appropriate actions to ensure the wells ongoing safety, casing integrity and fitness for purpose.

In the course of analyzing the survey data and producing this report, Baker Hughes Company Wireline Services Data Analysts have provided the well operator with interpretations based on their experience and judgment, but always within the limits of the inspection technologies employed, and the downhole operating conditions encountered. Since all MFL interpretations and analyses are opinions based on inferences from electrical, magnetic, and other indirect measurements, the accuracy or completeness of any interpretation is not, and cannot be, guaranteed.

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6.3. Analysis Quality Control

The data in this report was processed in accordance with written work instruction *InSight HR Vertilog Analysis* (document WI 501), the purpose of which is to ensure the ongoing consistency, integrity, and quality control over the HR Vertilog analysis process.

6.4. Continuous Process Improvement

The InSight[™] HR Vertilog analysis software incorporates various technologies to identify and size metal loss features, including a system of supervised learning that relies on known input from large-scale calibration defect sets, magnetic FEA, and recovered casing defects.

Consequently, InSight[™] has the capacity to integrate inspection data with recovered metal loss feature dimensions obtained from reliable sources. Such data may include properly identified and procured feature rubbings, dimensioned sketches, scaled photos, laser scans, x-ray, or casing samples.

We invite you to participate in our Continuous Process Improvement program by contacting one of the Baker Hughes Company Wireline Services representatives listed below. Data from your recovered casing will be used to help expand the understanding of MFL- defect interactions, improve analysis processes, and optimize feature-sizing capabilities.

Rodney L. Foster Geoscience MGR – Cased Hole Baker Hughes Company 930 South West Street Olney, Illinois 62450 (618) 392 - 3300 Rodney.foster2@bakerhughes.com

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List of Attachments

	Attachment
1.	Job InformationSee Report Section 1
2.	Casing Configuration Casing Segment Report External Casing Report
3.	Feature List Feature List
4.	Casing ComponentsSee Feature List
5.	Metal Loss FeaturesSurface-Based HistogramsMaximum Depth HistogramsDepth Range Histograms5.2.2Depth-Based Severity Report5.2.3Pressure-Sentenced PlotsSource-Based Histograms5.3.1Pressure-Based Histograms5.3.2Pressure-Based Severity Report5.3.3Feature Type Plot5.4Joint Summary Report
6.	Depth Based Report

- Depth Based Report Depth Based Report
- 7. Pressure Based Severity Report Pressure Based Severity Report

Casing Segment Report

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Identifier	Start Log Position	Stop Log Position	Diameter	Wall Thickness	Weight	Туре	Grade	SMYS	MAOP	Design Factor
	ft	ft	in	in	lb/ft			ksi	psi	
1	16.86	5698.64	7.000	0.408	29.0	Seamless	API L80	80	2085	1.00

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Start Log Position	Stop Log Position	Diameter	Wall Thickness	Weight
ft	ft	in	in	lb/ft
16.86	5351.51	9.625	0.395	40.0

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Log Depth ft	Dist UHC ft	Joint Length ft	Identifier	Class	Description	Surface Indication	Length in	Width Dept in %		Safe B31G	ERF B31G	P Safe Mod B31G psi	ERF Mod B31G	P Safe Effective Area psi	ERF Effective Area NWT in	Comment
16.86	0.00	14.69		Begin External Casing			In	111 76		ры		psi		psi	0.408	
16.86	0.00	14.69	C-1	Appurtenance	Flange										0.408	
17.79 31.55	0.93	14.69 40.02	H-1-1 C-2	Hardware Collar	External CSG Head Response										0.408	
71.57	0.00	39.51	C-3	Collar											0.408	
111.08	0.00	43.80	C-4	Collar											0.408	
154.88 192.95	0.00	38.07 35.19	C-5 C-6	Collar Collar											0.408	
228.14	0.00	43.37	C-8	Collar											0.408	
271.52	0.00	40.02	C-8	Collar											0.408	
311.54 351.93	0.00	40.39 36.40	C-9 C-10	Collar Collar											0.408	
388.33	0.00	34.83	C-10 C-11	Collar											0.408	
423.16	0.00	37.46	C-12	Collar											0.408	
460.62	0.00	34.86 37.80	C-13 C-14	Collar Collar											0.408	
533.28	0.00	44.05	C-14 C-15	Collar											0.408	
577.33	0.00	42.55	C-16	Collar											0.408	
619.88	0.00	40.63	C-17	Collar											0.408	
660.51 700.43	0.00	39.91 42.42	C-18 C-19	Collar Collar											0.408	
742.85	0.00	40.08	C-20	Collar											0.408	
782.93	0.00	39.42 39.98	C-21	Collar Collar											0.408	
822.35 862.33	0.00	43.27	C-22 C-23	Collar Collar											0.408	
905.60	0.00	41.83	C-24	Collar											0.408	
947.44	0.00	34.95	C-25	Collar											0.408	
982.39 1020.03	0.00	37.64 40.74	C-26 C-27	Collar Collar											0.408	
1020.03	0.00	39.55	C-28	Collar											0.408	
1100.32	0.00	39.80	C-29	Collar											0.408	
1140.13 1183.48	0.00	43.36 39.33	C-30 C-31	Collar Collar											0.408	
1222.82	0.00	38.87	C-31	Collar											0.408	
1261.69	0.00	43.73	C-33	Collar											0.408	
1305.42 1347.28	0.00	41.86 40.99	C-34 C-35	Collar Collar											0.408	
1347.28	0.00	39.80	C-35	Collar											0.408	
1428.08	0.00	39.62	C-37	Collar											0.408	
1467.70 1510.67	0.00	42.97 42.47	C-38 C-39	Collar Collar											0.408	
1510.67	0.00	42.47	C-39 C-40	Collar											0.408	
1595.59	0.00	40.67	C-41	Collar											0.408	
1636.26 1676.64	0.00	40.37 40.31	C-42 C-43	Collar Collar											0.408	
1716.95	0.00	40.31	C-43 C-44	Collar											0.408	
1760.67	0.00	38.87	C-45	Collar											0.408	
1799.54 1840.33	0.00	40.79 40.90	C-46 C-47	Collar Collar											0.408	
1840.33	0.00	39.64	C-47 C-48	Collar											0.408	
1920.88	0.00	43.25	C-49	Collar											0.408	
1964.13 2003.26	0.00	39.13 38.74	C-50 C-51	Collar Collar											0.408	
2003.26	0.00	40.06	C-51 C-52	Collar											0.408	
2082.06	0.00	39.88	C-53	Collar											0.408	
2121.94 2163.50	0.00	41.56 40.82	C-54	Collar Collar											0.408	
2163.50 2204.32	0.00	40.82	C-55 C-56	Collar Collar											0.408	
2244.75	0.00	40.04	C-57	Collar											0.408	
2284.79	0.00	40.15	C-58	Collar					-						0.408	
2324.94 2364.83	0.00	39.90 42.76	C-59 C-60	Collar Collar											0.408	
2407.59	0.00	37.63	C-61	Collar											0.408	
2445.23	0.00	40.61	C-62	Collar			_		-						0.408	
2485.83 2524.68	0.00	38.85 35.42	C-63 C-64	Collar Collar											0.408	
2560.10	0.00	38.19	C-65	Collar											0.408	
2598.29	0.00	40.07	C-66	Collar											0.408	
2638.37 2677.90	0.00	39.54 42.15	C-67 C-68	Collar Collar											0.408	
2077.90	0.00	42.15	L-08	collar											0.408	

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Log Depth	Dist UHC	Joint Length	Identifier	Class	Description	Surface Indication	Length	Width Depth	Dim Class	P Safe B31G	ERF B31G	P Safe Mod B31G	ERF Mod B31G	P Safe Effective Area	ERF Effective Area	NWT	Comment
ft	ft	ft					in	in %		psi		psi		psi		in	
2720.05 2761.65	0.00	41.60 39.16	C-69 C-70	Collar Collar												0.408	
2800.82	0.00	40.60	C-70	Collar												0.408	
2841.41	0.00	43.10	C-72	Collar												0.408	
2884.52	0.00	42.01	C-73	Collar												0.408	
2926.53 2968.35	0.00	41.82 42.15	C-74 C-75	Collar Collar												0.408	
3010.50	0.00	40.27	C-76	Collar												0.408	
3050.78	0.00	44.17	C-77	Collar												0.408	
3094.94	0.00	38.52	C-78	Collar												0.408	
3133.46 3173.90	0.00	40.44 39.31	C-79 C-80	Collar Collar												0.408	
3213.20	0.00	43.18	C-81	Collar												0.408	
3256.38	0.00	40.13	C-82	Collar												0.408	
3296.52	0.00	36.68	C-83	Collar												0.408	
3333.20 3368.47	0.00	35.27 36.07	C-84 C-85	Collar Collar												0.408	
3404.53	0.00	38.80	C-86	Collar												0.408	
3443.33	0.00	39.15	C-87	Collar												0.408	
3482.48	0.00	37.97	C-88	Collar												0.408	
3520.45 3555.04	0.00	34.58 40.53	C-89 C-90	Collar Collar												0.408	
3595.57	0.00	40.53	C-91	Collar												0.408	
3637.21	0.00	38.24	C-92	Collar												0.408	
3675.45	0.00	41.36	C-93	Collar												0.408	
3716.81 3756.01	0.00	39.20 39.93	C-94 C-95	Collar Collar												0.408	
3795.94	0.00	43.13	C-96	Collar												0.408	
3839.07	0.00	42.86	C-97	Collar												0.408	
3881.93	0.00	37.63	C-98	Collar												0.408	
3919.56 3956.08	0.00	36.52 39.56	C-99 C-100	Collar Collar												0.408	
3995.65	0.00	41.82	C-100	Collar												0.408	
4037.46	0.00	39.52	C-102	Collar												0.408	
4076.98	0.00	40.32	C-103	Collar												0.408	
4117.30 4157.11	0.00	39.80 40.43	C-104 C-105	Collar Collar												0.408	
4197.54	0.00	37.84	C-105	Collar												0.408	
4235.39	0.00	34.25	C-107	Collar												0.408	
4269.64 4310.67	0.00	41.03 39.00	C-108 C-109	Collar Collar												0.408	
4310.67	0.00	39.00	C-109 C-110	Collar												0.408	
4384.62	0.00	40.96	C-111	Collar												0.408	
4425.57	0.00	38.92	C-112	Collar												0.408	
4464.49	0.00	40.23 37.85	C-113	Collar Collar												0.408	
4504.73	0.00	43.78	C-114 C-115	Collar												0.408	
4586.36	0.00	39.99	C-116	Collar												0.408	
4626.35	0.00	35.97	C-117	Collar												0.408	
4662.32 4701.10	0.00	38.77 39.54	C-118 C-119	Collar Collar												0.408	
4740.64	0.00	42.02	C-119 C-120	Collar												0.408	
4782.65	0.00	40.28	C-121	Collar			_									0.408	
4822.93	0.00	43.63	C-122	Collar				-	-				-			0.408	
4866.56 4906.47	0.00	39.91 41.01	C-123 C-124	Collar Collar												0.408	
4906.47	0.00	41.01 42.78	C-124 C-125	Collar												0.408	
4990.26	0.00	43.76	C-126	Collar												0.408	
5034.02	0.00	38.91	C-127	Collar				-								0.408	
5072.93 5111.37	0.00	38.44 39.13	C-128 C-129	Collar Collar												0.408	
5111.37	0.00	39.13	C-129 C-130	Collar												0.408	
5188.98	0.00	41.44	C-131	Collar												0.408	
5230.43	0.00	43.76	C-132	Collar											-	0.408	
5274.19 5315.33	0.00	41.14 42.09	C-133 C-134	Collar Collar												0.408	
5315.33	36.09	42.09	H-134-1	Hardware	Bottom Of External Casing											0.408	Bottom of 9.625" external CSG.
5351.51	36.18	42.09		End External Casing			_									0.408	
5357.41	0.00	42.51	C-135	Collar											-	0.408	
5399.93	0.00	37.55	C-136	Collar												0.408	

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Log Depth	Dist UHC	Joint Length	Identifier	Class	Description	Surface Indication	Length	Width	Depth	Dim Class	P Safe B31G	ERF B31G	P Safe Mod B31G	ERF Mod B31G	P Safe Effective Area	ERF Effective Area	NWT	Comment
ft	ft	ft			· · · · · ·		in	in	%		psi		psi		psi		in	
5437.48	0.00	39.66	C-137	Collar													0.408	
5477.13	0.00	38.52	C-138	Collar													0.408	
5515.65	0.00	11.38	C-139	Collar													0.408	
5527.03	0.00	11.24	C-140	Collar													0.408	Non standard connection. Possibly welded.
5536.94	9.91	11.24	H-140-1	Hardware	DV Tool												0.408	
5538.27	0.00	16.59	C-141	Collar													0.408	
5545.72	7.45	16.59	H-141-1	Hardware	Other												0.408	Unknown external casing hardware.
5554.86	0.00	21.06	C-142	Collar													0.408	
5575.92	0.00	40.69	C-143	Collar													0.408	
5616.60	0.00	41.49	C-144	Collar													0.408	
5658.09	0.00	40.55	C-145	Collar													0.408	
5698.64			C-146	Interpretation Boundary														

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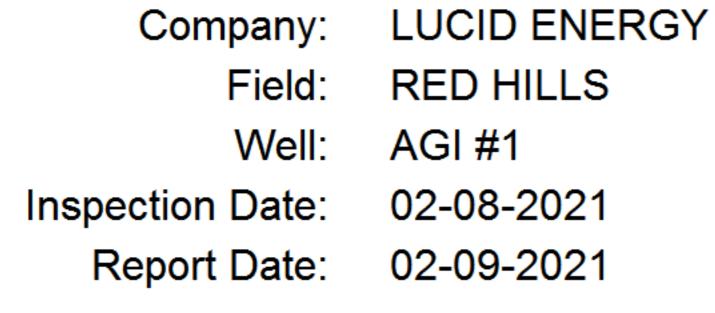
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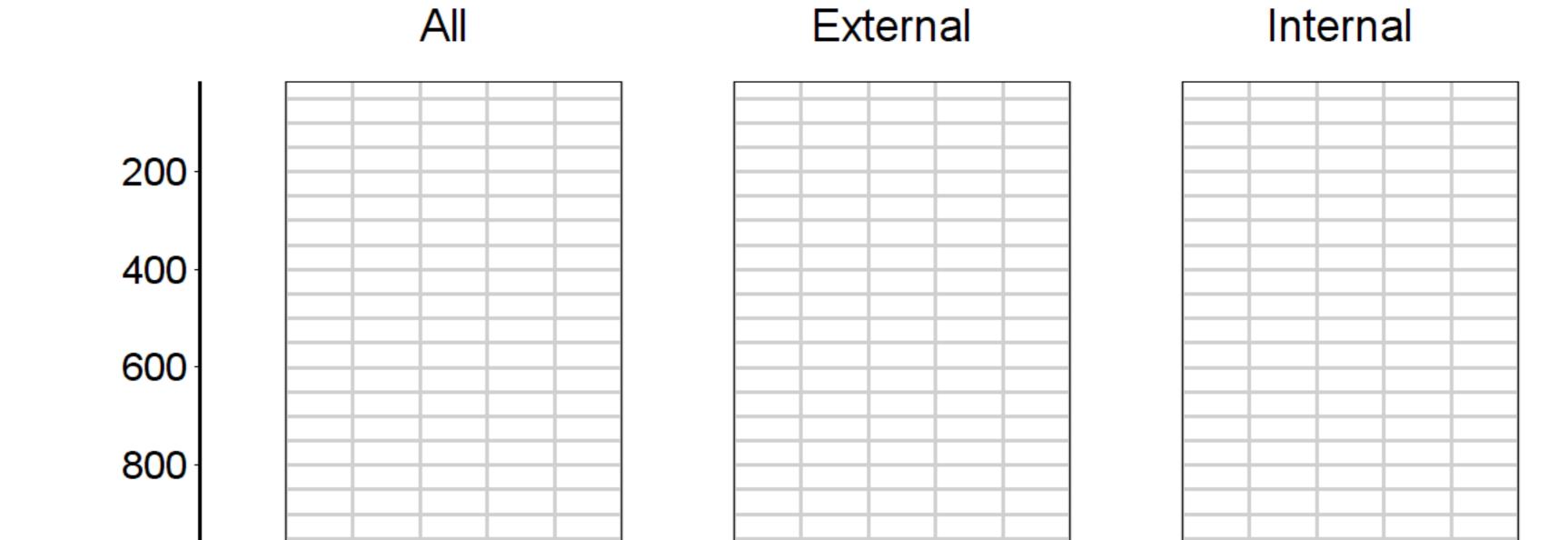
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Inspection Date: 02-08-2021 Report Date: 02-09-2021

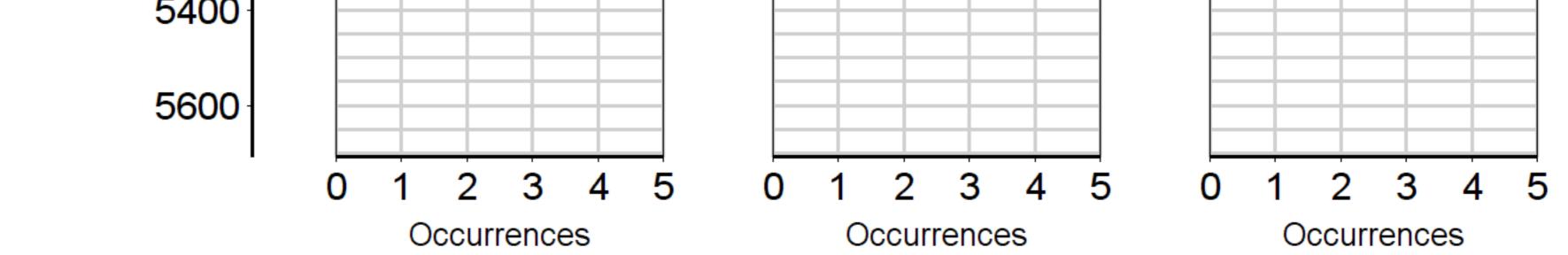
Attachment 5.1 - Surface Based Histograms





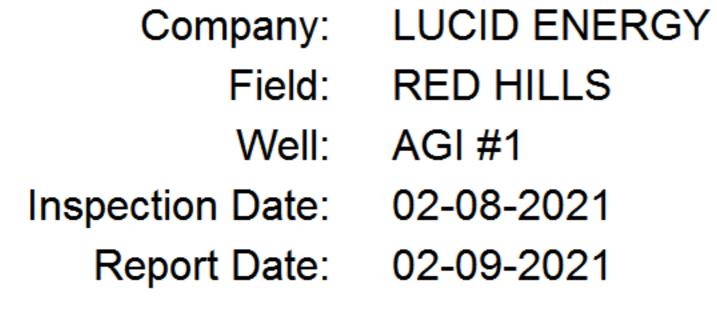


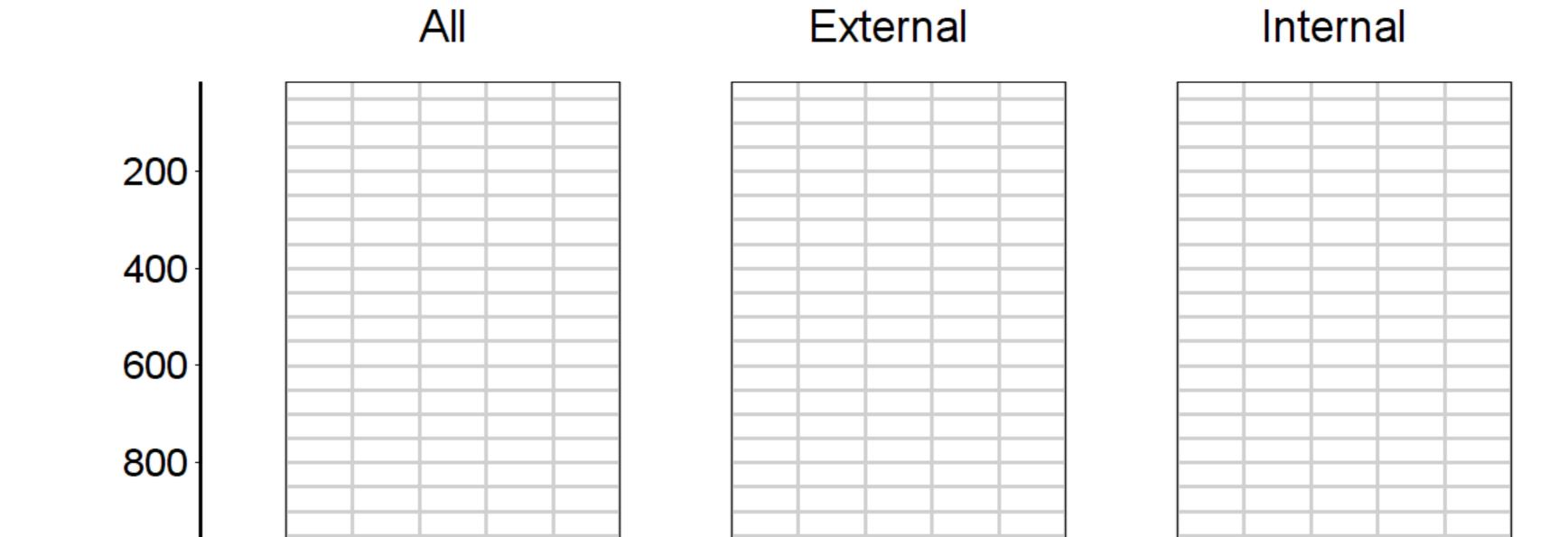
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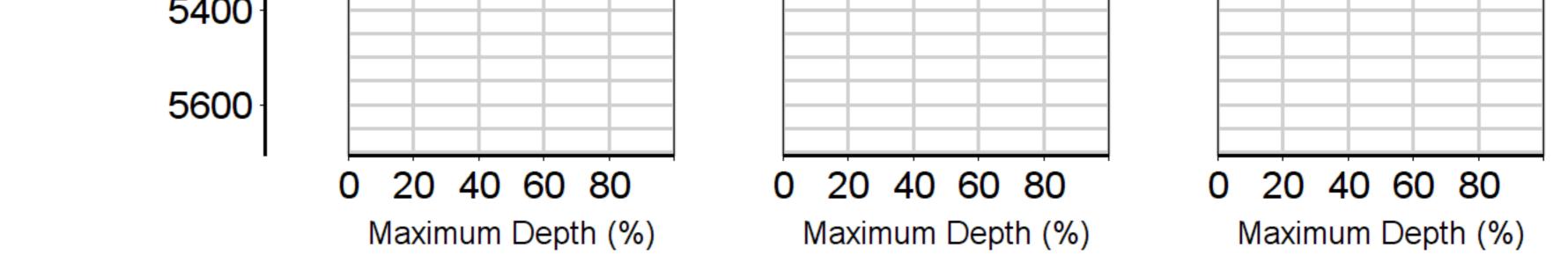
Attachment 5.2.1 - Maximum Depth Histograms







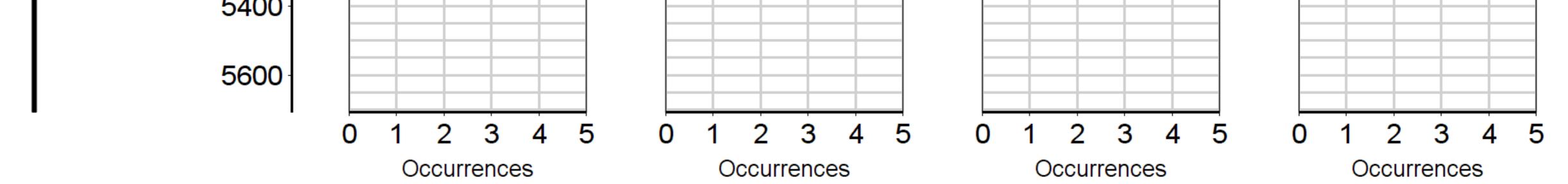
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Attachment 5.2.2 - Depth Range Baker Hughes ≽ LUCID ENERGY Company: RED HILLS Field: Well: AGI #1 Inspection Date: 02-08-2021 Report Date: 02-09-2021 (0 < d <= 100%) (20% <= d < 50%) (50% <= d < 80%) (d >= 80%) 200 400 600 800

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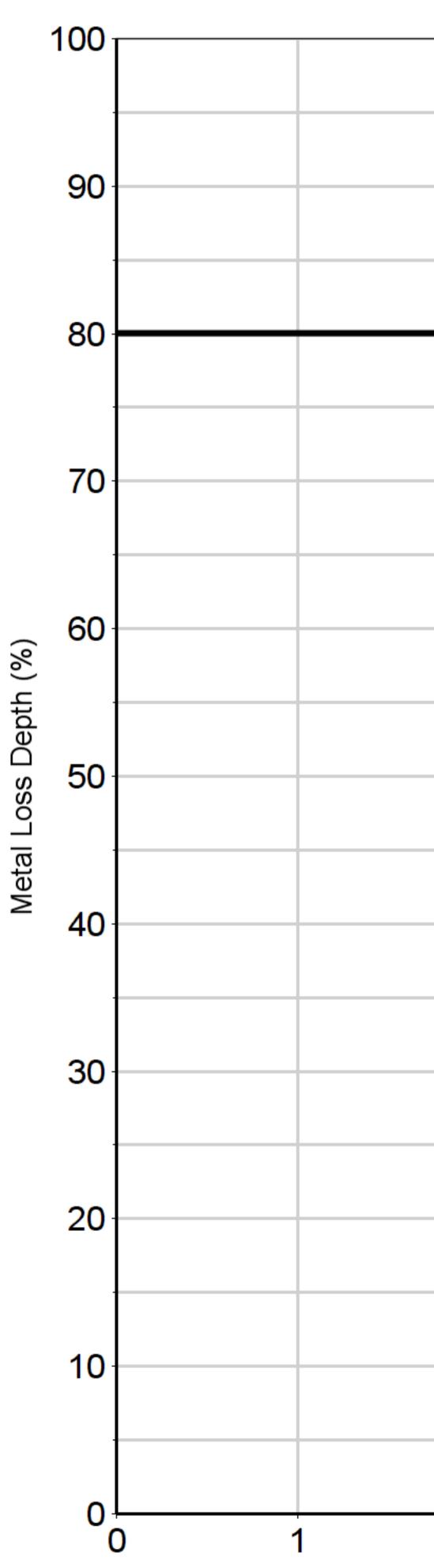
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Company: Field:

- Well:
- Inspection Date:
- Report Date:

LUCID ENERGY **RED HILLS** AGI #1 02-08-2021 02-09-2021



Attachment 5.3.1 - Pressure Sentenced Plot

Diameter: 7.000 in, Wall Thickness: 0.408 in, SMYS: 80.0 ksi

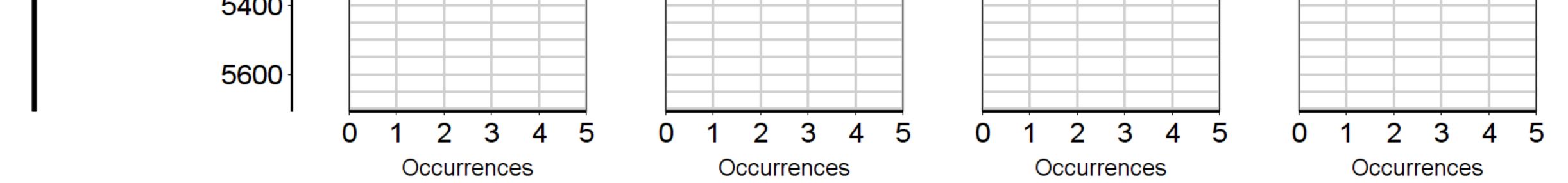
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		Metal Loss Le	ength (Inches)				

Baker Hughes >

Attachment 5.3.2 - Pressure Based Histograms Baker Hughes ≽ LUCID ENERGY Company: RED HILLS Field: Well: AGI #1 Inspection Date: 02-08-2021 Report Date: 02-09-2021 (ERF < 0.80) $(0.80 \le ERF \le 1.00)$ (ERF ≥ 1.00) All ERF 200 400 600 800

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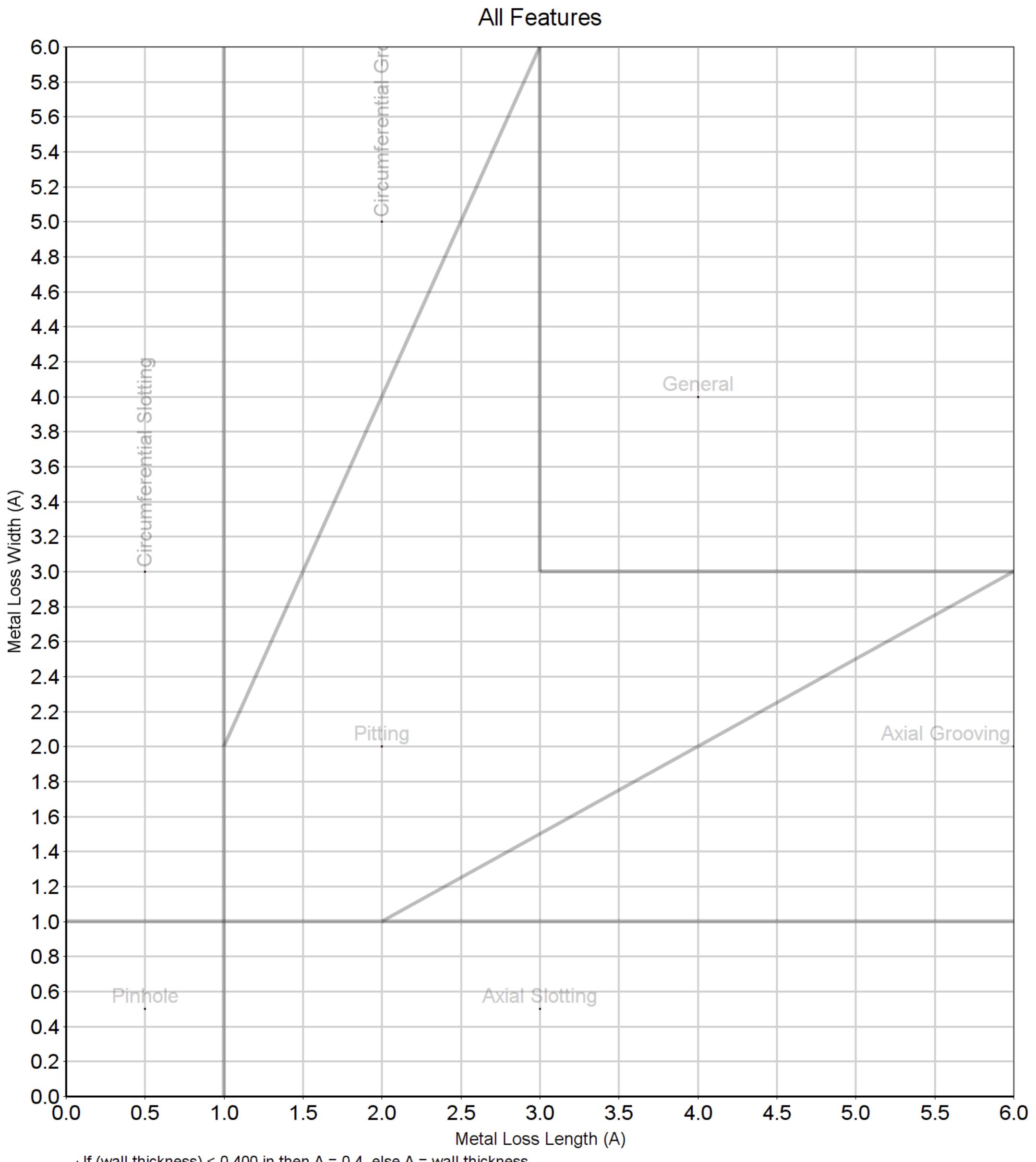
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Attachment 5.4 - Feature Type Plot



LUCID ENERGY Company: **RED HILLS** Field: Well: AGI #1 Inspection Date: 02-08-2021 02-09-2021 Report Date:



If (wall thickness) < 0.400 in then A = 0.4, else A = wall thickness

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			_						
Identifier	Start Log Depth	Joint Length	Diameter	Wall Thickness	Weight	Max ML Depth	Max ML Position	Min Burst Pressure	Joint Depth Class
	ft	ft	in 7,000	in	lb/ft	%	ft	psi	1
JT-1	16.86	14.69	7.000	0.408	29.0	0			1
JT-2	31.55	40.02	7.000	0.408	29.0	0			1
JT-3 JT-4	71.57	39.51	7.000	0.408	29.0	0			1
-	111.08 154.88	43.80 38.07	7.000	0.408	29.0 29.0	0			1
JT-5 JT-6	192.95	38.07	7.000	0.408	29.0	0			1
						0			1
JT-7 JT-8	228.14	43.37 40.02	7.000	0.408	29.0 29.0	0			1
	271.52			0.408		0			1
JT-9	311.54	40.39 36.40	7.000	0.408	29.0 29.0	0			1
JT-10	351.93					0			1
JT-11 JT-12	388.33 423.16	34.83 37.46	7.000	0.408	29.0 29.0	0			1
	423.16		7.000	0.408	29.0				1
JT-13 JT-14	495.48	34.86 37.80	7.000	0.408	29.0	0			1
JT-14 JT-15	533.28	44.05	7.000	0.408	29.0				
JT-15 JT-16	577.33	44.05	7.000	0.408	29.0	0			1
JT-16 JT-17	619.88	42.55	7.000	0.408	29.0	0			1
	660.51	39.91	7.000			0			1
JT-18 JT-19	700.43	42.42	7.000	0.408	29.0 29.0	0			1
JT-19 JT-20	742.85	42.42	7.000	0.408	29.0	0			1
JT-20 JT-21	742.85	39.42	7.000	0.408	29.0	0			
JT-21 JT-22	822.35	39.42	7.000	0.408	29.0	0			1
JT-22 JT-23	862.33	43.27	7.000	0.408	29.0	0			1
JT-23	905.60	43.27	7.000	0.408	29.0	0			1
JT-24 JT-25	947.44	34.95	7.000	0.408	29.0	0			1
JT-25 JT-26	982.39	34.95	7.000	0.408	29.0	0			1
JT-20 JT-27	1020.03	40.74	7.000	0.408	29.0	0			1
JT-27	1020.03	39.55	7.000	0.408	29.0	0			1
JT-28 JT-29	1100.32	39.80	7.000	0.408	29.0	0			1
JT-29 JT-30	1100.32	43.36	7.000	0.408	29.0	0			1
11-20	1140.12	45.50	7.000	0.400	29.0	U			1

Inspection Date: 02-08-2021

Report Date: 02-09-2021

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Identifier	Start Log Depth	Joint Length	Diameter	Wall Thickness	Weight	Max ML Depth	Max ML Position	Min Burst Pressure	Joint Depth Class
IT 21	ft 1102.40	ft	in	in	lb/ft	%	ft	psi	1
JT-31	1183.48	39.33	7.000	0.408	29.0	0			1
JT-32	1222.82	38.87	7.000	0.408	29.0	0			1
JT-33	1261.69	43.73	7.000	0.408	29.0	0			1
JT-34	1305.42	41.86	7.000	0.408	29.0	0			1
JT-35	1347.28 1388.28	40.99	7.000		29.0	0			1
JT-36		39.80		0.408	29.0	0			1
JT-37	1428.08	39.62	7.000	0.408	29.0	0			1
JT-38	1467.70	42.97	7.000	0.408	29.0	0			1
JT-39 JT-40	1510.67 1553.15	42.47 42.44	7.000	0.408	29.0	0			1
					29.0	0			1
JT-41	1595.59 1636.26	40.67	7.000	0.408	29.0	0			1
JT-42		40.37			29.0	0			1
JT-43	1676.64	40.31	7.000	0.408	29.0	0			1
JT-44	1716.95	43.72	7.000	0.408	29.0	0			1
JT-45	1760.67	38.87	7.000	0.408	29.0	0			1
JT-46	1799.54	40.79	7.000	0.408	29.0	0			1
JT-47	1840.33	40.90	7.000	0.408	29.0	0			1
JT-48	1881.23	39.64	7.000	0.408	29.0	0			1
JT-49	1920.88	43.25	7.000	0.408	29.0	0			1
JT-50	1964.13	39.13	7.000	0.408	29.0	0			1
JT-51	2003.26	38.74	7.000	0.408	29.0	0			1
JT-52	2042.00	40.06	7.000	0.408	29.0	0			1
JT-53	2082.06	39.88	7.000	0.408	29.0	0			1
JT-54	2121.94	41.56	7.000	0.408	29.0	0			1
JT-55	2163.50	40.82	7.000	0.408	29.0	0			1
JT-56	2204.32	40.42	7.000	0.408	29.0	0			1
JT-57	2244.75	40.04	7.000	0.408	29.0	0			1
JT-58	2284.79	40.15	7.000	0.408	29.0	0			1
JT-59	2324.94	39.90	7.000	0.408	29.0	0			1
JT-60	2364.83	42.76	7.000	0.408	29.0	0			1

2 of 5

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Identifier	Start Log Depth ft	Joint Length ft	Diameter in	Wall Thickness in	Weight lb/ft	Max ML Depth %	Max ML Position ft	Min Burst Pressure psi	Joint Depth Class
JT-61	2407.59	37.63	7.000	0.408	29.0	0	11	P31	1
JT-62	2445.23	40.61	7.000	0.408	29.0	0			1
JT-63	2485.83	38.85	7.000	0.408	29.0	0			1
JT-64	2524.68	35.42	7.000	0.408	29.0	0			1
JT-65	2560.10	38.19	7.000	0.408	29.0	0			1
JT-66	2598.29	40.07	7.000	0.408	29.0	0			1
JT-67	2638.37	39.54	7.000	0.408	29.0	0			1
JT-68	2677.90	42.15	7.000	0.408	29.0	0			1
JT-69	2720.05	41.60	7.000	0.408	29.0	0			1
JT-70	2761.65	39.16	7.000	0.408	29.0	0			1
JT-71	2800.82	40.60	7.000	0.408	29.0	0			1
JT-72	2841.41	43.10	7.000	0.408	29.0	0			1
JT-73	2884.52	42.01	7.000	0.408	29.0	0			1
JT-74	2926.53	41.82	7.000	0.408	29.0	0			1
JT-75	2968.35	42.15	7.000	0.408	29.0	0			1
JT-76	3010.50	40.27	7.000	0.408	29.0	0			1
JT-77	3050.78	44.17	7.000	0.408	29.0	0			1
JT-78	3094.94	38.52	7.000	0.408	29.0	0			1
JT-79	3133.46	40.44	7.000	0.408	29.0	0			1
JT-80	3173.90	39.31	7.000	0.408	29.0	0			1
JT-81	3213.20	43.18	7.000	0.408	29.0	0			1
JT-82	3256.38	40.13	7.000	0.408	29.0	0			1
JT-83	3296.52	36.68	7.000	0.408	29.0	0			1
JT-84	3333.20	35.27	7.000	0.408	29.0	0			1
JT-85	3368.47	36.07	7.000	0.408	29.0	0			1
JT-86	3404.53	38.80	7.000	0.408	29.0	0			1
JT-87	3443.33	39.15	7.000	0.408	29.0	0			1
JT-88	3482.48	37.97	7.000	0.408	29.0	0			1
JT-89	3520.45	34.58	7.000	0.408	29.0	0			1
JT-90	3555.04	40.53	7.000	0.408	29.0	0			1

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Identifier	Start Log Depth ft	Joint Length	Diameter	Wall Thickness	Weight	Max ML Depth	Max ML Position	Min Burst Pressure	Joint Depth Class
IT 01	<u>π</u> 3595.57	ft 41.64	in 7.000	in 0.408	Ib/ft 29.0	% 0	ft	psi	1
JT-91 JT-92		38.24	7.000	0.408	29.0	-			1
JT-92 JT-93	3637.21 3675.45	41.36	7.000	0.408	29.0	0			1
JT-93 JT-94	3716.81	39.20	7.000	0.408	29.0	0			1
JT-94 JT-95	3716.81	39.20	7.000	0.408	29.0				1
JT-95	3795.94	43.13	7.000	0.408	29.0	0			1
				0.408					
JT-97 JT-98	3839.07 3881.93	42.86 37.63	7.000	0.408	29.0 29.0	0			1
		36.52	7.000						
JT-99 JT-100	3919.56 3956.08	36.52	7.000	0.408	29.0 29.0	0			1
	3956.08	41.82	7.000	0.408	29.0				
JT-101 JT-102	4037.46	39.52	7.000	0.408	29.0	0			1
JT-102 JT-103	4037.46	40.32	7.000	0.408	29.0	0			1
JT-103 JT-104	4078.98	39.80	7.000	0.408	29.0	0			1
JT-104 JT-105	4117.30	40.43	7.000	0.408	29.0				
JT-105 JT-106	4157.11	37.84	7.000	0.408	29.0	0			1
JT-100 JT-107	4197.34	34.25	7.000	0.408	29.0	0			
JT-107 JT-108	4235.39	41.03	7.000	0.408	29.0	0			1
JT-108 JT-109	4209.04	39.00	7.000	0.408	29.0	0			1
JT-109 JT-110	4310.87	34.95	7.000	0.408	29.0	0			1
JT-110 JT-111	4349.67	40.95	7.000	0.408	29.0	0			1
JT-111 JT-112	4384.82	38.92	7.000	0.408	29.0	0			1
JT-112 JT-113	4423.37	40.23	7.000	0.408	29.0	0			1
JT-113 JT-114	4504.73	37.85	7.000	0.408	29.0	0			1
JT-114 JT-115	4542.58	43.78	7.000	0.408	29.0	0			1
JT-115 JT-116	4542.58	39.99	7.000	0.408	29.0	0			1
JT-110 JT-117	4580.30	35.97	7.000	0.408	29.0	0			1
JT-117 JT-118	4620.33	38.77	7.000	0.408	29.0	0			1
JT-118 JT-119	4701.10	39.54	7.000	0.408	29.0	0			1
JT-119 JT-120	4740.64	42.02	7.000	0.408	29.0	0			1
J1-120	4740.04	42.02	7.000	0.400	29.0	U			1

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LUCID ENERGY RED HILLS AGI #1

Identifier	Start Log Depth	Joint Length	Diameter	Wall Thickness	Weight	Max ML Depth	Max ML Position	Min Burst Pressure	Joint Depth Class
	ft	ft	in	in	lb/ft	%	ft	psi	
JT-121	4782.65	40.28	7.000	0.408	29.0	0			1
JT-122	4822.93	43.63	7.000	0.408	29.0	0			1
JT-123	4866.56	39.91	7.000	0.408	29.0	0			1
JT-124	4906.47	41.01	7.000	0.408	29.0	0			1
JT-125	4947.48	42.78	7.000	0.408	29.0	0			1
JT-126	4990.26	43.76	7.000	0.408	29.0	0			1
JT-127	5034.02	38.91	7.000	0.408	29.0	0			1
JT-128	5072.93	38.44	7.000	0.408	29.0	0			1
JT-129	5111.37	39.13	7.000	0.408	29.0	0			1
JT-130	5150.50	38.48	7.000	0.408	29.0	0			1
JT-131	5188.98	41.44	7.000	0.408	29.0	0			1
JT-132	5230.43	43.76	7.000	0.408	29.0	0			1
JT-133	5274.19	41.14	7.000	0.408	29.0	0			1
JT-134	5315.33	42.09	7.000	0.408	29.0	0			1
JT-135	5357.41	42.51	7.000	0.408	29.0	0			1
JT-136	5399.93	37.55	7.000	0.408	29.0	0			1
JT-137	5437.48	39.66	7.000	0.408	29.0	0			1
JT-138	5477.13	38.52	7.000	0.408	29.0	0			1
JT-139	5515.65	11.38	7.000	0.408	29.0	0			1
JT-140	5527.03	11.24	7.000	0.408	29.0	0			1
JT-141	5538.27	16.59	7.000	0.408	29.0	0			1
JT-142	5554.86	21.06	7.000	0.408	29.0	0			1
JT-143	5575.92	40.69	7.000	0.408	29.0	0			1
JT-144	5616.60	41.49	7.000	0.408	29.0	0			1
JT-145	5658.09	40.55	7.000	0.408	29.0	0			1

Page 109 of 143

.

Depth Based Severity

LUCID ENERGY RED HILLS AGI #1

Log Dep	h Dist UHC	Joint Length	Identifier	Class	Description	Surface Indication	Length	Width	Depth	Dim Class	P Safe	ERF	NWT	Comment
ft	ft	ft					in	in	%		psi		in	

.

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Pressure Based Severity

LUCID ENERGY RED HILLS AGI #1

Log Dep	h Dist UHC	Joint Length	Identifier	Class	Description	Surface Indication	Length	Width	Depth	Dim Class	P Safe	ERF	NWT	Comment
ft	ft	ft					in	in	%		psi		in	

.

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Page 112 of 143

HR Vertilog

Magnetic Flux Leakage Inspection

Advanced Analysis

								Auva	inced Analysis	
Company		LUCID EN	NERGY							
Well		AGI #1								
Field		RED HILL	S							
County		LEA								
State		NEW MEX	XICO							
Location: 1600' FS	6L & 150' F	EL								
Section	hip 24S		R	ange 33	E					
Date)21									
Service Ord	er	US178167	7							
Recorded by	y	CHRIS CO	OFFELT							
Witnessed b	FOURRIE	R								
API Serial N)448									
Permanent Datum: GL			Eleva	tion: 3	574	.000 ft.	Depth		6650.000	
Log Measured From: KB			18.500	ft. abov	ve Pe	erm. Datum	Btm. Lo	og Interval	5694.000	
Drilling Measured From: KB			3592.500	592.500 ft. above Perm. Datum			Top Log	g Interval	0.000	
							Fluid T	ype	RESHWATER	
			Cas	sing D)ata	1				
Size	Weight	G	rade	From		То	Length			
7.0 inch	26.0 lb/ft	1	180	0 665			6650.0			
9.625 inch	40.0 lb/ft		J55				5346.0			
·										
Software Ver	sion 7.6.2	2.2	Equi	oment	t Da	ita				
Run	Trip		Tool Type		То	ol Series	Serial Nu	umber	Position	
1	1		HRVRT MF	L	49	97	QB15299	9166	LOWER	
1	1		HRVRT MF		49	97	PB15299	9170	UPPER	
1 1		HRVRT TE	LEM	49	93EA	1039926	5			
				ration	n Da	ata				
Calibration	Calibration File Name				4997-7-001-PB15299170-U.CAL					
Date of Cali	Date of Calibration				11/24/2020 15:18					
Calibration	27D1C	27D1C2D4-D395-45E7-88B4-6974FAE49A4E								
Tool Numb	er		4997-00	00						

Recentleptator Durn 292021 12:42:53 PM	4997-7-001 Page 113 of 143
Calibrator Size	(7 ln - 178 mm)
Calibration Source File	20201124_154840_MEM.MVL
Calibration Software Rev	Microvision 32-bit 7.6.2.1
Comment	New Tool QB WO 107539876 PB WO 107539952
	Calibration Data
Calibration File Name	4997-7-001-QB15299166-L.CAL
Date of Calibration	11/24/2020 15:18
Calibration Identifier	27D1C2D4-D395-45E7-88B4-6974FAE49A4E
Tool Number	4997-00
Calibrator Number	4997-7-001
Calibrator Size	(7 ln - 178 mm)
Calibration Source File	20201124_154840_MEM.MVL
Calibration Software Rev	Microvision 32-bit 7.6.2.1
Comment	New Tool QB WO 107539876 PB WO 107539952

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Remarks

DV TOOL IN WELLBORE @ 5535 FT

Interpretation

17.79 ft Hardware - External CSG Head Response. 5351.42 ft Hardware - Bottom of 9.625" external CSG. 5527.03 ft Collar - Non standard connection. Possibly welded. 5536.94 ft Hardware - DV Tool 5545.72 ft Hardware - Unknown external casing hardware.

The Baker Hughes caliper analysis dated 8-Feb-2021 revealed that the casing weight was a better fit for 7.0" - 29.0 lb/ft API specifications. 7.0" - 29.0 lb/ft casing parameters were used for the HRVRT burst pressure calculations.

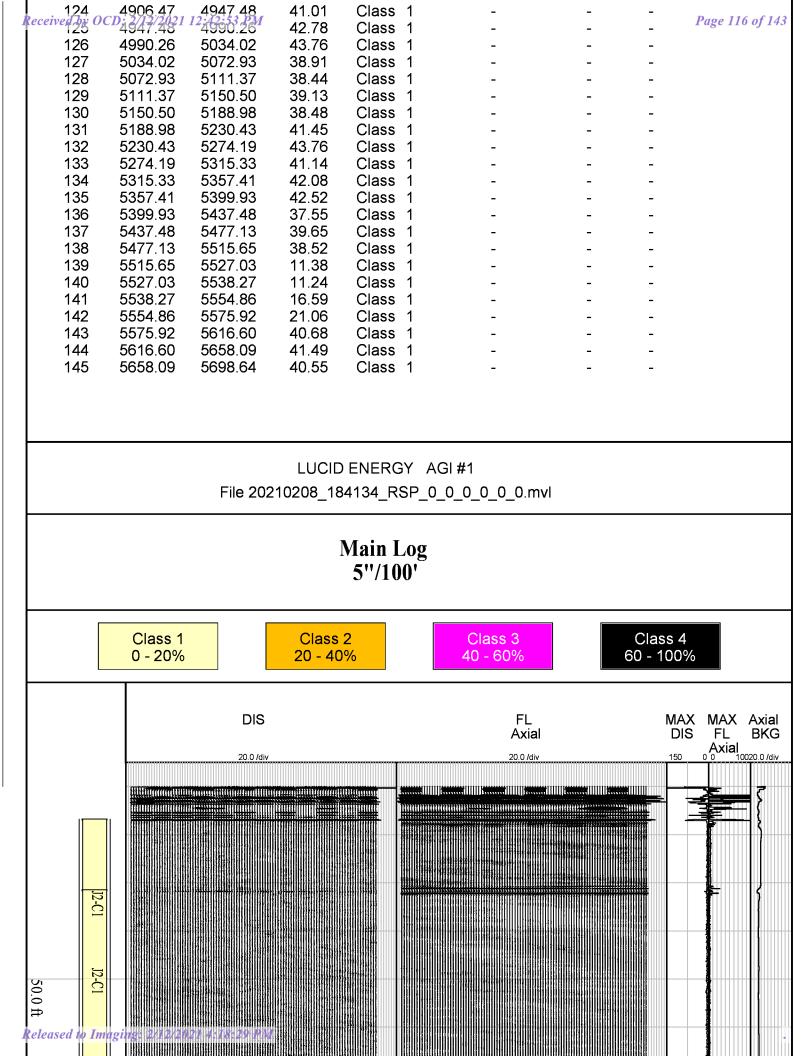
This analysis depth correlated to Baker Hughes caliper analysis dated 8-Feb-2021.

All joints surveyed report class 1 at this time.

Analysis by: J Wood

1	eceirloint OCI				_Class_	Max Depth	Position	_ID/OD_	Page 114 of 143
	1	16.86	31.55	14.69	Class 1	-	-	-	
	2 3	31.55	71.57	40.02	Class 1	-	-	-	
	3	71.57	111.08	39.51	Class 1	-	-	-	
	4	111.08	154.88	43.80	Class 1	-	-	-	
	5	154.88	192.95	38.07	Class 1	-	-	-	
	6	192.95	228.14	35.19	Class 1	-	-	-	
	7	228.14	271.52	43.38	Class 1	-	-	-	
	8 9	271.52 311.54	311.54	40.02 40.39	Class 1	-	-	-	
	10	351.93	351.93 388.33	40.39 36.40	Class 1 Class 1	-	-	-	
	11	388.33	423.16	34.83	Class 1 Class 1	-	-	-	
	12	423.16	460.62	37.46	Class 1 Class 1	-	_		
	13	460.62	495.48	34.86	Class 1	_	_	_	
	14	495.48	533.28	37.80	Class 1	_	-	_	
	15	533.28	577.33	44.05	Class 1	_	-	_	
	16	577.33	619.88	42.55	Class 1	-	-	_	
	17	619.88	660.51	40.63	Class 1	-	-	-	
	18	660.51	700.43	39.92	Class 1	_	-	_	
	19	700.43	742.85	42.42	Class 1	_	-	-	
	20	742.85	782.93	40.08	Class 1	-	-	-	
	21	782.93	822.35	39.42	Class 1	-	-	-	
	22	822.35	862.33	39.98	Class 1	-	-	-	
	23	862.33	905.60	43.27	Class 1	-	-	-	
	24	905.60	947.44	41.84	Class 1	-	-	-	
	25	947.44	982.39	34.95	Class 1	-	-	-	
	26	982.39	1020.03	37.64	Class 1	-	-	-	
	27	1020.03	1060.77	40.74	Class 1	-	-	-	
	28	1060.77	1100.32	39.55	Class 1	-	-	-	
	29	1100.32	1140.13	39.81	Class 1	-	-	-	
	30	1140.13	1183.48	43.35	Class 1	-	-	-	
	31	1183.48	1222.82	39.34	Class 1	-	-	-	
	32	1222.82	1261.69	38.87	Class 1	-	-	-	
	33	1261.69	1305.42	43.73	Class 1	-	-	-	
	34	1305.42	1347.28	41.86	Class 1	-	-	-	
	35	1347.28	1388.28	41.00	Class 1	-	-	-	
	36	1388.28	1428.08	39.80	Class 1	-	-	-	
	37	1428.08	1467.70 1510.67	39.62 42.97	Class 1	-	-	-	
	38 39	1467.70 1510.67	1510.67 1553.15	42.97 42.48	Class 1 Class 1	-	-	-	
	39 40	1553.15	1595.59	42.48 42.44	Class 1 Class 1	-	-	-	
	40	1595.59	1636.26	40.67	Class 1 Class 1	_			
	42	1636.26	1676.64	40.38	Class 1	_	_	_	
	43	1676.64	1716.95	40.31	Class 1	_	_	_	
	44	1716.95	1760.67	43.72	Class 1	-	-	-	
	45	1760.67	1799.54	38.87	Class 1	_	-	-	
	46	1799.54	1840.33	40.79	Class 1	-	-	-	
	47	1840.33	1881.23	40.90	Class 1	-	-	-	
	48	1881.23	1920.88	39.65	Class 1	-	-	-	
	49	1920.88	1964.13	43.25	Class 1	-	-	-	
	50	1964.13	2003.26	39.13	Class 1	-	-	-	
	51	2003.26	2042.00	38.74	Class 1	-	-	-	
	52	2042.00	2082.06	40.06	Class 1	-	-	-	
	53	2082.06	2121.94	39.88	Class 1	-	-	-	
	54	2121.94	2163.50	41.56	Class 1	-	-	-	
	55	2163.50	2204.32	40.82	Class 1	-	-	-	
	56	2204.32	2244.75	40.43	Class 1	-	-	-	
	57	2244.75	2284.79	40.04	Class 1	-	-	-	
	58	2284.79	2324.94	40.15	Class 1	-	-	-	
1	59 Released to Imag	2324.94	2364.83	39.89	Class 1	-	-	-	
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	61	2107 59	2115 23	37.64	Class 1			_	

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1	63	2485.83	2524.68	38.85	Class	1 -	-	
	64	2524.68	2560.10	35.42	Class	1 -	-	-
	65	2560.10	2598.29	38.19	Class	1 -	-	-
	66	2598.29	2638.37	40.08	Class	•	-	-
	67	2638.37	2677.90	39.53	Class		-	-
	68	2677.90	2720.05	42.15	Class	1 -	-	-
	69	2720.05	2761.65	41.60	Class	1 -	-	-
	70	2761.65	2800.82	39.17	Class	-	-	-
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	72 73	2841.41	2884.52	43.11 42.01	Class	I – 1	-	-
	73	2884.52 2926.53	2926.53 2968.35	42.01 41.82	Class Class	I - 1	-	-
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	75	3010.50	3050.78	40.28	Class	1 – 1 –	-	-
	70	3050.78	3094.94	44.16	Class	1 -	_	_
	78	3094.94	3133.46	38.52	Class	, 1 –	_	_
	79	3133.46	3173.90	40.44	Class	, 1 –	_	-
	80	3173.90	3213.20	39.30	Class	1 -	-	-
	81	3213.20	3256.38	43.18	Class	1 -	-	-
	82	3256.38	3296.52	40.14	Class	1 -	-	-
	83	3296.52	3333.20	36.68	Class	1 -	-	-
	84	3333.20	3368.47	35.27	Class	1 -	-	-
	85	3368.47	3404.53	36.06	Class	1 -	-	-
	86	3404.53	3443.33	38.80	Class	1 -	-	-
	87	3443.33	3482.48	39.15	Class	1 -	-	-
	88	3482.48	3520.45	37.97	Class	1 -	-	-
	89	3520.45	3555.04	34.59	Class	1 -	-	-
	90	3555.04	3595.57	40.53	Class	1 -	-	-
	91	3595.57	3637.21	41.64	Class	1 -	-	-
	92	3637.21	3675.45	38.24	Class		-	-
	93	3675.45	3716.81	41.36	Class	1 -	-	-
	94	3716.81	3756.01	39.20	Class	1 -	-	-
	95	3756.01	3795.94	39.93	Class	-	-	-
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	97	3839.07	3881.93	42.86	Class	I – 1	-	-
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	102	4076.98	4117.30	40.32	Class	, 1 -	_	-
	104	4117.30	4157.11	39.81	Class	1 -	_	-
	105	4157.11	4197.54	40.43	Class	1 -	-	-
	106	4197.54	4235.39	37.85	Class	1 -	-	-
	107	4235.39	4269.64	34.25	Class	1 -	-	-
	108	4269.64	4310.67	41.03	Class	1 -	-	-
	109	4310.67	4349.67	39.00	Class	1 -	-	-
	110	4349.67	4384.62	34.95	Class	1 -	-	-
	111	4384.62	4425.57	40.95	Class	1 -	-	-
	112	4425.57	4464.49	38.92	Class	1 -	-	-
	113	4464.49	4504.73	40.24	Class	1 -	-	-
	114	4504.73	4542.58	37.85	Class	1 -	-	-
	115	4542.58	4586.36	43.78	Class	1 -	-	-
	116	4586.36	4626.35	39.99	Class	-	-	-
	117	4626.35	4662.32	35.97	Class	I – 1	-	-
	118	4662.32 4701.10	4701.10 4740.64	38.78 39.54	Class	ı – 1	-	-
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	<mark>J3-C1</mark>		
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150.0 ft	J5-C1		
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	J37-C1		
145	<u>J37-C1</u>		
1450.0 ft	J38-C1		
	J38-C1		
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1550.0 ft	J40-C1 J4		
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	J69-C1		
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	J70-C1		
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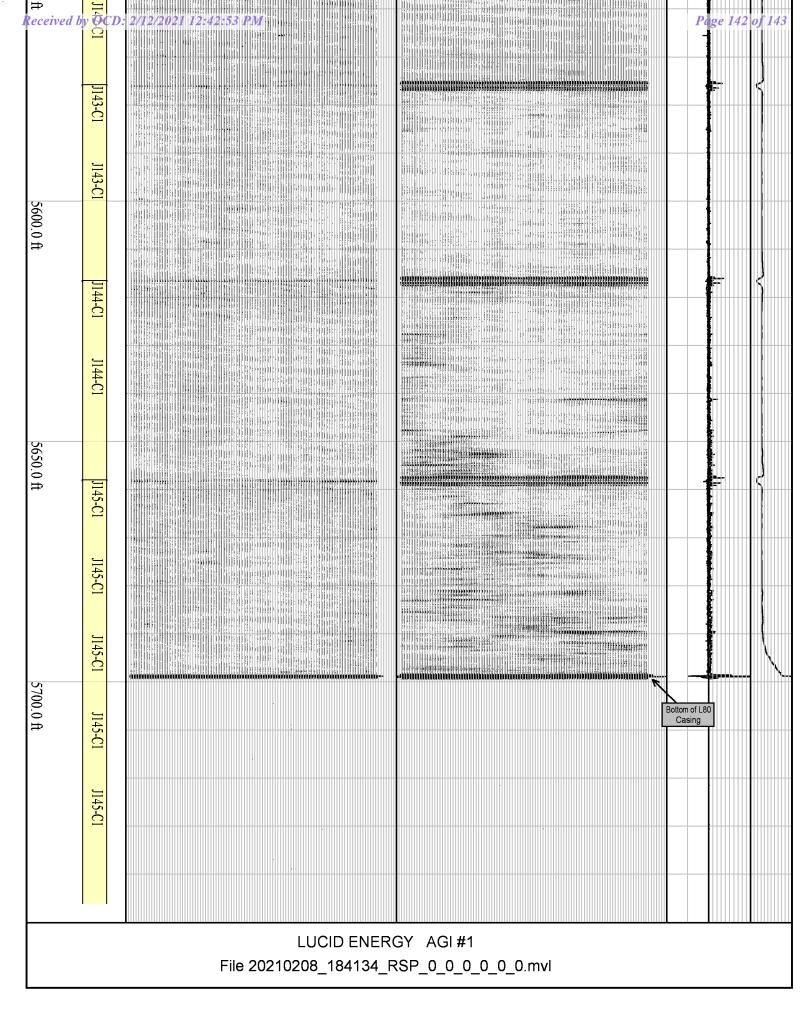
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1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

District II

District IV

Action 17946

District I 1625 N. French Dr., Hobbs, NM 88240 **State of New Mexico** Phone:(575) 393-6161 Fax:(575) 393-0720 **Energy, Minerals and Natural Resources** 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 **Oil Conservation Division** District III 1000 Rio Brazos Rd., Aztec, NM 87410 1220 S. St Francis Dr. Phone:(505) 334-6178 Fax:(505) 334-6170

Santa Fe, NM 87505

Operator:				OGRID:	Action Number:	Action Type:
LUCID ENERGY DELAWARE, LLC	3100 Mckinnon Suite 800	Dallas, TX75201		372422	17946	C-103R
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OCD Reviewer			Condition			
pgoetze			None			