BAKER HUGHES

HR Vertilog

Magnetic Flux Leakage Inspection

ADVANCED ANALYSIS

Company	Inergy Midstream
Well	#18
Field	US Salt Storage
County	Schuyler
State	New York
Location:	

Section N/A	Township Reading	Range N/A

Date	Dec. 9, 2011
Service Order	618959
Recorded by	Matthew J. Wood
Witnessed by	Mr. Barry Moon
API Serial No.	31-097-52142-00-01

Permanent Datum:	N/A	Elevation: 0.000 ft.		Depth	2035.000
Log Measured From:	D.F.	6.000 ft. above Perm. Datum		Btm. Log Interval	1961.730
Drilling Measured From:	N/A	0.000 ft. above Perm. Datum		Top Log Interval	11.770
				Fluid Type	Brine

Casing Data

Size	Weight	Grade	From	To	Length
7 inch	23.0 lb/ft	J55	0	1979	1979.0

Equipment Data

Tool	7 to 9-5/8 Inch HRVRT 96 FL + 96 DIS Tool
Magnetizer	7 to 9-5/8 Inch HRVRT 96 FL + 96 DIS Tool
Telemetery	MUX-DB
Software Version	5.0.4.0

Calibration Data

Calibration File Name	4997-7-001-PA10339351-QA10339353.CAL
Date of Calibration	05/24/2011 15:35
Calibration Identifier	127844AB-B592-4EA0-8E43-E3DB6FDD2B79
Tool Number	4997-00
Calibrator Number	4997-7-001
Calibrator Size	(7 In - 178 mm)
Calibration Source File	20110516_134533_MEM.MVL
Calibration Software Rev	Microvision 32-bit 4.3.7.0
Comment	Microline Calibration after RMA425

In making interpretations of logs our employees will give customer the benefit of their best judgement. But since all interpretations are opinions based on inferences from electrical or other measurements, we cannot, and we do not guarantee the accuracy or correctness of any interpretation. We shall not be liable or responsible for any loss, cost, damages, or expenses whatsoever incurred or sustained by the customer resulting from any interpretation made by any of our employees.

Remarks

Thank you for choosing Baker Hughes Wireline Systems.
The crew on your location: M. Marsh, S. McCourt.
The Jcgr size ran was 6.109" o.d.
It was ran to a depth of 1975'.
N/A = Unknown or unavailable at the time of logging

Engineer's remarks are included above.
Log depth of bottom of external casing string: 729.28 ft.
The size, weight, and grade of this string are unknown.
See Feature List for centralizer depths.
There is no pitting or corrosion which exceeds the 20% cut off in the logged interval of this well.

Joint Interpretation Summary

Joint	From	To	Length	Class	Max Depth	Position	Type	ID/OD
1	11.77	51.18	39.41	Class 1	-	-	-	-
2	51.18	90.77	39.59	Class 1	-	-	-	-
3	90.77	130.20	39.43	Class 1	-	-	-	-
4	130.20	170.14	39.94	Class 1	-	-	-	-
5	170.14	209.72	39.58	Class 1	-	-	-	-
6	209.72	249.41	39.69	Class 1	-	-	-	-
7	249.41	289.10	39.69	Class 1	-	-	-	-
8	289.10	328.79	39.69	Class 1	-	-	-	-
9	328.79	368.72	39.93	Class 1	-	-	-	-
10	368.72	409.36	40.64	Class 1	-	-	-	-
11	409.36	449.19	39.83	Class 1	-	-	-	-
12	449.19	488.19	39.00	Class 1	-	-	-	-
13	488.19	527.36	39.17	Class 1	-	-	-	-
14	527.36	566.74	39.38	Class 1	-	-	-	-
15	566.74	606.05	39.31	Class 1	-	-	-	-
16	606.05	645.77	39.72	Class 1	-	-	-	-
17	645.77	684.41	38.64	Class 1	-	-	-	-
18	684.41	723.83	39.42	Class 1	-	-	-	-
19	723.83	763.59	39.76	Class 1	-	-	-	-
20	763.59	801.92	38.33	Class 1	-	-	-	-
21	801.92	841.87	39.95	Class 1	-	-	-	-
22	841.87	881.09	39.22	Class 1	-	-	-	-
23	881.09	920.61	39.52	Class 1	-	-	-	-
24	920.61	960.95	40.34	Class 1	-	-	-	-
25	960.95	1000.86	39.91	Class 1	-	-	-	-
26	1000.86	1040.79	39.93	Class 1	-	-	-	-
27	1040.79	1079.99	39.20	Class 1	-	-	-	-
28	1079.99	1119.72	39.73	Class 1	-	-	-	-
29	1119.72	1159.62	39.90	Class 1	-	-	-	-
30	1159.62	1199.85	40.23	Class 1	-	-	-	-
31	1199.85	1239.12	39.27	Class 1	-	-	-	-
32	1239.12	1278.86	39.74	Class 1	-	-	-	-
33	1278.86	1318.24	39.38	Class 1	-	-	-	-
34	1318.24	1357.13	38.89	Class 1	-	-	-	-
35	1357.13	1396.46	39.33	Class 1	-	-	-	-
36	1396.46	1435.52	39.06	Class 1	-	-	-	-
37	1435.52	1474.78	39.26	Class 1	-	-	-	-
38	1474.78	1512.97	38.19	Class 1	-	-	-	-
39	1512.97	1552.07	39.10	Class 1	-	-	-	-
40	1552.07	1592.32	40.25	Class 1	-	-	-	-
41	1592.32	1631.57	39.25	Class 1	-	-	-	-
42	1631.57	1669.47	37.90	Class 1	-	-	-	-
43	1669.47	1708.52	39.05	Class 1	-	-	-	-
44	1708.52	1748.21	39.69	Class 1	-	-	-	-
45	1748.21	1787.14	38.93	Class 1	-	-	-	-
46	1787.14	1826.17	39.03	Class 1	-	-	-	-
47	1826.17	1865.53	39.36	Class 1	-	-	-	-
48	1865.53	1904.84	39.31	Class 1	-	-	-	-
49	1904.84	1944.11	39.27	Class 1	-	-	-	-
50	1944.11	1961.73	17.62	Class 1	-	-	-	-

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Files 20111209_11524B_PHR.MVL 20111209_11524A_PHR.MVL

Main Log 5"/100'

Class 1	Class 2	Class 3	Class 4
0 - 20%	20 - 40%	40 - 60%	60 - 100%

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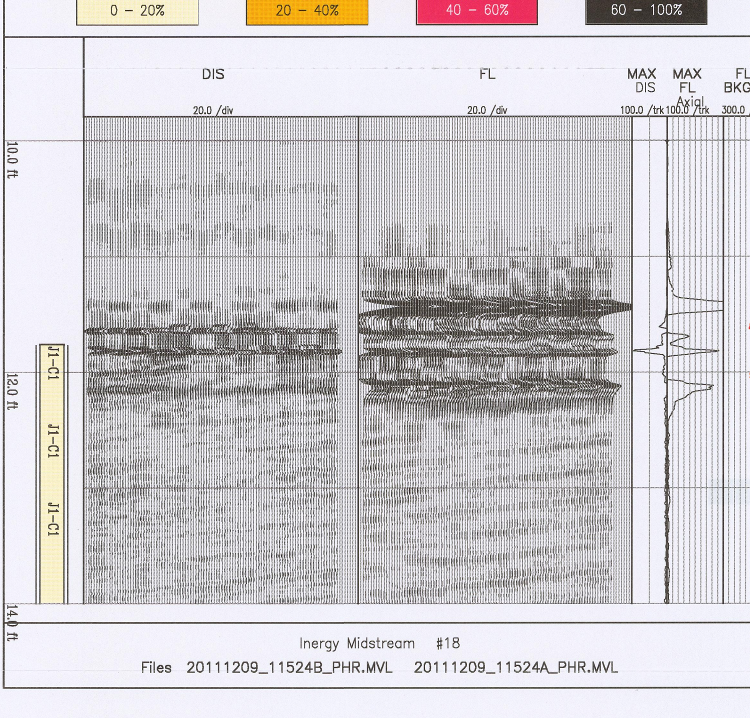
Expanded Scale – Top of Well

Class 1	Class 2	Class 3	Class 4
0 - 20%	20 - 40%	40 - 60%	60 - 100%



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