

Accu-View



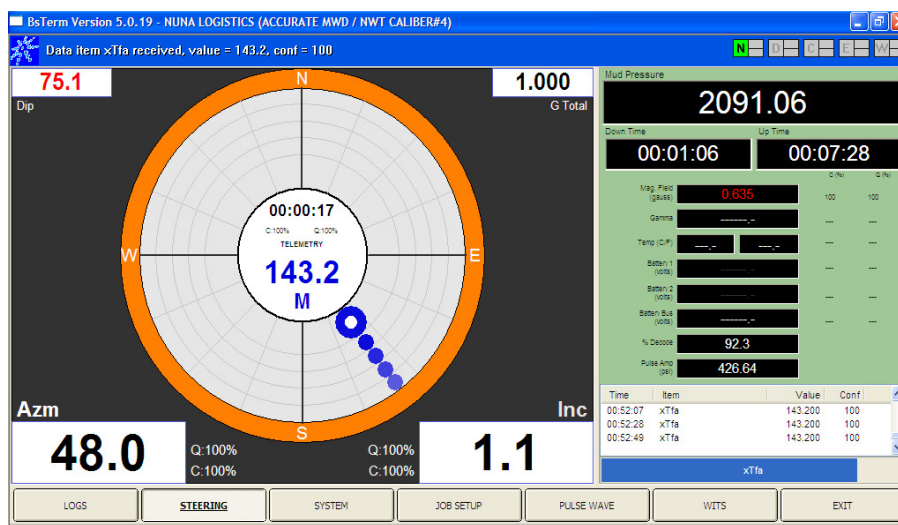
Accurate USB Memory Stick

“A new approach to Remote Technology”

ACCU-VIEW is a complete remote real-time monitoring package that allows many cost saving advantages in addition to our standard unmanned MWD services. Using the latest information technologies and our **Welltracer II** MWD tool has enabled us to remotely receive real-time survey and drilling data as seen on the rigfloor. This allows us to assess all essential data for different applications.

- Vertical wells can be remotely monitored to ensure straightness.
- Our **Welltracer II** Monitoring Tools have Toolface capability-Directional Drillers do not have to be deployed for correction runs if a preset motor is being utilized. This eliminates the situation of waiting on personnel to arrive at the rig.
- Bits and downhole tools do not have to be tripped prematurely at kick off point because the steering package is essentially in the hole allowing maximum utilization of equipment.

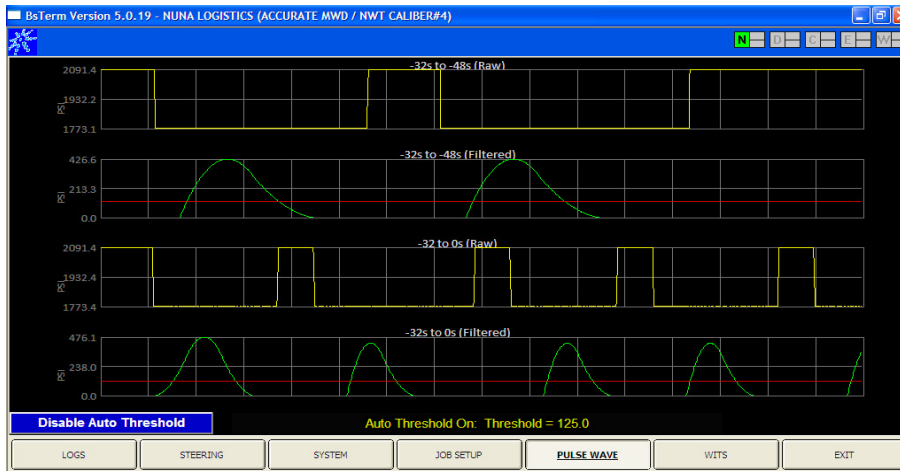
ACCU-VIEW Real-Time Remote Steering Screen



Our Rig Floor Displays can be observed on any PC based computer that has access to the internet without interfering with drilling operations.

The biggest challenge faced with operating an unmanned MWD System is not having trained personnel available onsite to diagnose problems which may arise from a change in drilling conditions. This can result in extensive time lost trying to 1) identify the problem and 2) trying to fix the problem. With our remote access technology should a problem occur trying to obtain a survey or toolface **Accurate personnel** can evaluate the MWD pulse signal and not only troubleshoot, but critically also adjust filters and thresholds without having rigsite personnel involved. With that in mind we can remotely assess the situation and take corrective measures to solve the problem. Rigtime will be efficiently utilized limiting the time involved to figure out what is going on and totally eliminate having the rig wait on field hands to arrive to troubleshoot a problem that may only be surface related.

ACCU-VIEW Real-Time Remote Pulse Wave Screen

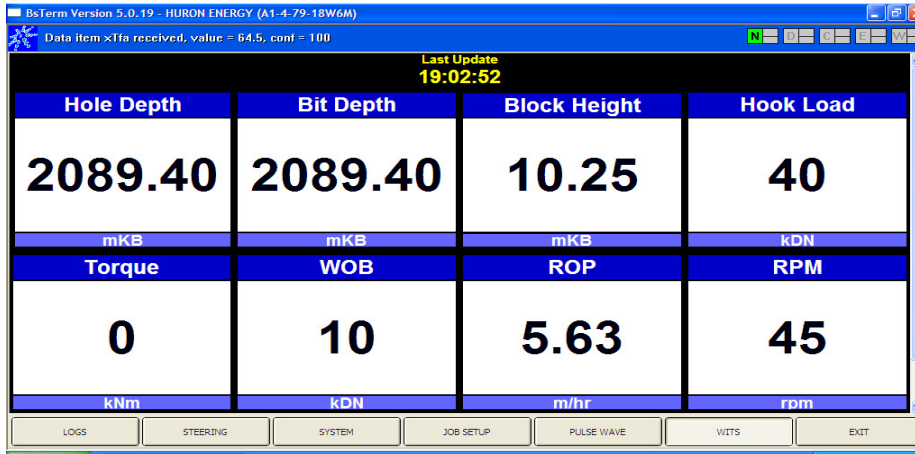


With access to our Pulse Wave Screen Accurate personnel can remotely troubleshoot our equipment should there be difficulty obtaining surveys due to unusual drilling conditions. And more significantly we are able to adjust filters and thresholds remotely without having to send field hands to the rig.

Combined with our GE positive pulse **Welltracer II** or **Pilot** survey platform we feel can provide the industry with the strongest unmanned **and** remote survey system. Access to survey and drilling information can be obtained from any PC based computer that is hooked up to the internet. This can be done by ethernet or even mobile based aircards. By assigning each well it's own unique ID security will not be jeopardized and yet information is available to multiple authorized users if needed. Secure chat screens allow important information to be conveyed and archived.

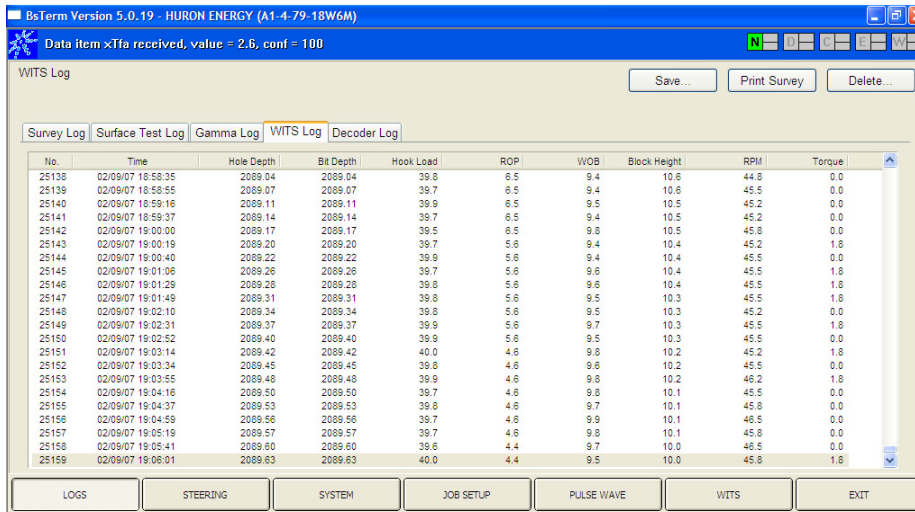
By emphasizing that the more relevant information the better we have also focussed on tying our Rig Floor Displays to the any of the currently available rig monitoring systems. This results in **WITS** drilling data being easily accessed in the same program.

ACCU-VIEW Real-Time Remote WITS Data Screen



Hole Depth	Bit Depth	Block Height	Hook Load
2089.40	2089.40	10.25	40
mKB	mKB	mKB	kDN
Torque	WOB	ROP	RPM
0	10	5.63	45
kNm	kDN	m/hr	rpm

We tie our Rig Floor Displays to any currently available Rig Monitoring Systems. This allows Realtime viewing of drilling data.



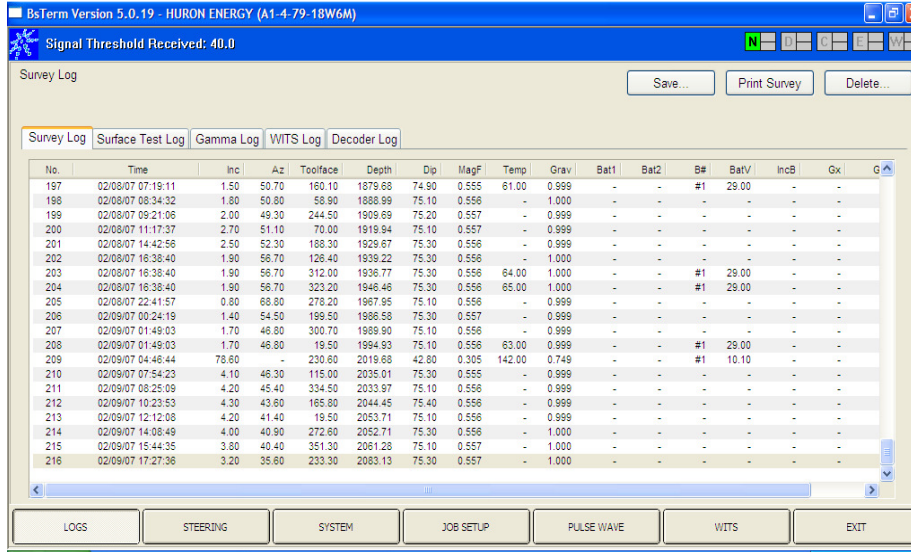
No.	Time	Hole Depth	Bit Depth	Hook Load	ROP	WOB	Block Height	RPM	Torque
25138	02/09/07 18:58:35	2089.04	2089.04	39.8	6.5	9.4	10.6	44.8	0.0
25139	02/09/07 18:58:55	2089.07	2089.07	39.7	6.5	9.4	10.6	45.5	0.0
25140	02/09/07 18:59:16	2089.11	2089.11	39.9	6.5	9.5	10.5	45.2	0.0
25141	02/09/07 18:59:37	2089.14	2089.14	39.7	6.5	9.4	10.5	45.2	0.0
25142	02/09/07 19:00:00	2089.17	2089.17	39.5	6.5	9.8	10.5	45.8	0.0
25143	02/09/07 19:00:19	2089.20	2089.20	39.7	5.8	9.4	10.4	45.2	1.8
25144	02/09/07 19:00:40	2089.22	2089.22	39.9	5.8	9.4	10.4	45.5	0.0
25145	02/09/07 19:01:06	2089.26	2089.26	39.7	5.8	9.6	10.4	45.5	1.8
25146	02/09/07 19:01:29	2089.28	2089.28	39.8	5.8	9.6	10.4	45.5	1.8
25147	02/09/07 19:01:49	2089.31	2089.31	39.8	5.8	9.5	10.3	45.5	1.8
25148	02/09/07 19:02:10	2089.34	2089.34	39.8	5.8	9.5	10.3	45.2	0.0
25149	02/09/07 19:02:31	2089.37	2089.37	39.9	5.8	9.7	10.3	45.5	1.8
25150	02/09/07 19:02:52	2089.40	2089.40	39.9	5.8	9.5	10.3	45.5	0.0
25151	02/09/07 19:03:14	2089.42	2089.42	40.0	4.8	9.8	10.2	45.2	1.8
25152	02/09/07 19:03:34	2089.45	2089.45	39.8	4.8	9.6	10.2	45.5	0.0
25153	02/09/07 19:03:55	2089.48	2089.48	39.9	4.8	9.8	10.2	46.2	1.8
25154	02/09/07 19:04:16	2089.50	2089.50	39.7	4.8	9.8	10.1	45.5	0.0
25155	02/09/07 19:04:37	2089.53	2089.53	39.8	4.8	9.7	10.1	45.8	0.0
25156	02/09/07 19:04:59	2089.56	2089.56	39.7	4.8	9.9	10.1	46.5	0.0
25157	02/09/07 19:05:19	2089.57	2089.57	39.7	4.8	9.8	10.1	45.8	0.0
25158	02/09/07 19:05:41	2089.60	2089.60	39.6	4.4	9.7	10.0	46.5	0.0
25159	02/09/07 19:06:01	2089.63	2089.63	40.0	4.4	9.5	10.0	45.8	1.8

WITS drilling Data can also be displayed historically.

ACCU-VIEW (VPN) - is a standalone system using the cellular network. This is a secure network that allows authorized users to securely access our RFD's (Rig-Floor Displays). Users then have transparent information and all essential drilling data needed to evaluate wells as they are being drilled.

To remotely monitor and successfully drill wells while reducing costs information has to be effectively communicated. To easily access that information we focussed on making convenience a priority. No software installation is necessary . **All information can be securely accessed with a memory stick.** Passwords and user ID's can be invidually assigned to protect the integrity of the information.

ACCU-VIEW Real-Time Remote Survey Log Screen



No.	Time	Inc	Az	Tooface	Depth	Dip	MagF	Temp	Grav	Bat1	Bat2	B#	BatV	IncB	Gx	G
197	02/08/07 07:19:11	1.50	50.70	160.10	1879.68	74.90	0.555	61.00	0.999	-	-	#1	29.00	-	-	-
198	02/08/07 08:34:32	1.80	50.80	58.90	1888.99	75.10	0.556	-	1.000	-	-	-	-	-	-	-
199	02/08/07 09:21:06	2.00	49.30	244.50	1909.69	75.20	0.557	-	0.999	-	-	-	-	-	-	-
200	02/08/07 11:17:37	2.70	51.10	70.00	1919.94	75.10	0.557	-	0.999	-	-	-	-	-	-	-
201	02/08/07 14:42:56	2.50	52.30	188.30	1929.67	75.30	0.556	-	0.999	-	-	-	-	-	-	-
202	02/08/07 16:38:40	1.90	56.70	126.40	1939.22	75.30	0.556	-	1.000	-	-	-	-	-	-	-
203	02/08/07 16:38:40	1.90	56.70	312.00	1939.77	75.30	0.556	64.00	1.000	-	-	#1	29.00	-	-	-
204	02/08/07 16:38:40	1.90	56.70	323.20	1946.46	75.30	0.556	65.00	1.000	-	-	#1	29.00	-	-	-
205	02/08/07 22:41:57	0.80	68.80	278.20	1967.95	75.10	0.556	-	0.999	-	-	-	-	-	-	-
206	02/09/07 00:24:19	1.40	54.50	199.50	1986.58	75.30	0.557	-	0.999	-	-	-	-	-	-	-
207	02/09/07 01:49:03	1.70	46.80	300.70	1989.90	75.10	0.556	-	0.999	-	-	-	-	-	-	-
208	02/09/07 01:49:03	1.70	46.80	19.50	1994.93	75.10	0.556	63.00	0.999	-	-	#1	29.00	-	-	-
209	02/09/07 04:46:44	78.60	-	230.60	2019.68	42.80	0.305	142.00	0.749	-	-	#1	10.10	-	-	-
210	02/09/07 07:54:23	4.10	46.30	115.00	2035.01	75.30	0.555	-	0.999	-	-	-	-	-	-	-
211	02/09/07 08:25:09	4.20	45.40	334.50	2033.97	75.10	0.556	-	0.999	-	-	-	-	-	-	-
212	02/09/07 10:23:53	4.30	43.60	165.60	2044.45	75.40	0.556	-	0.999	-	-	-	-	-	-	-
213	02/09/07 12:12:08	4.20	41.40	19.50	2053.71	75.10	0.556	-	0.999	-	-	-	-	-	-	-
214	02/09/07 14:06:49	4.00	40.90	272.60	2052.71	75.30	0.556	-	1.000	-	-	-	-	-	-	-
215	02/09/07 15:44:35	3.80	40.40	351.30	2061.23	75.10	0.557	-	1.000	-	-	-	-	-	-	-
216	02/09/07 17:27:36	3.20	35.60	233.30	2063.13	75.30	0.557	-	1.000	-	-	-	-	-	-	-

Surveys are recorded with a depth and time stamp and also with relevant magnetic and gravity data. This allows users to verify the quality and accuracy of the surveys.

Transparency of information is an important feature of the **Accu-View Remote Monitoring System**. All surveys are accessible for viewing. This feature not only allows the integrity of the surveys to be remotely evaluated but also holds accountable those individuals responsible for following the well plan.

At Accurate MWD Systems we have taken MWD Survey technology to a new level. Focussing on reliable equipment and using modern technology to remotely access our equipment has resulted in providing less labour input and reducing major costs incurred transporting people to and from the rig. If these technologies are something that may benefit your drilling applications please contact us at:

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