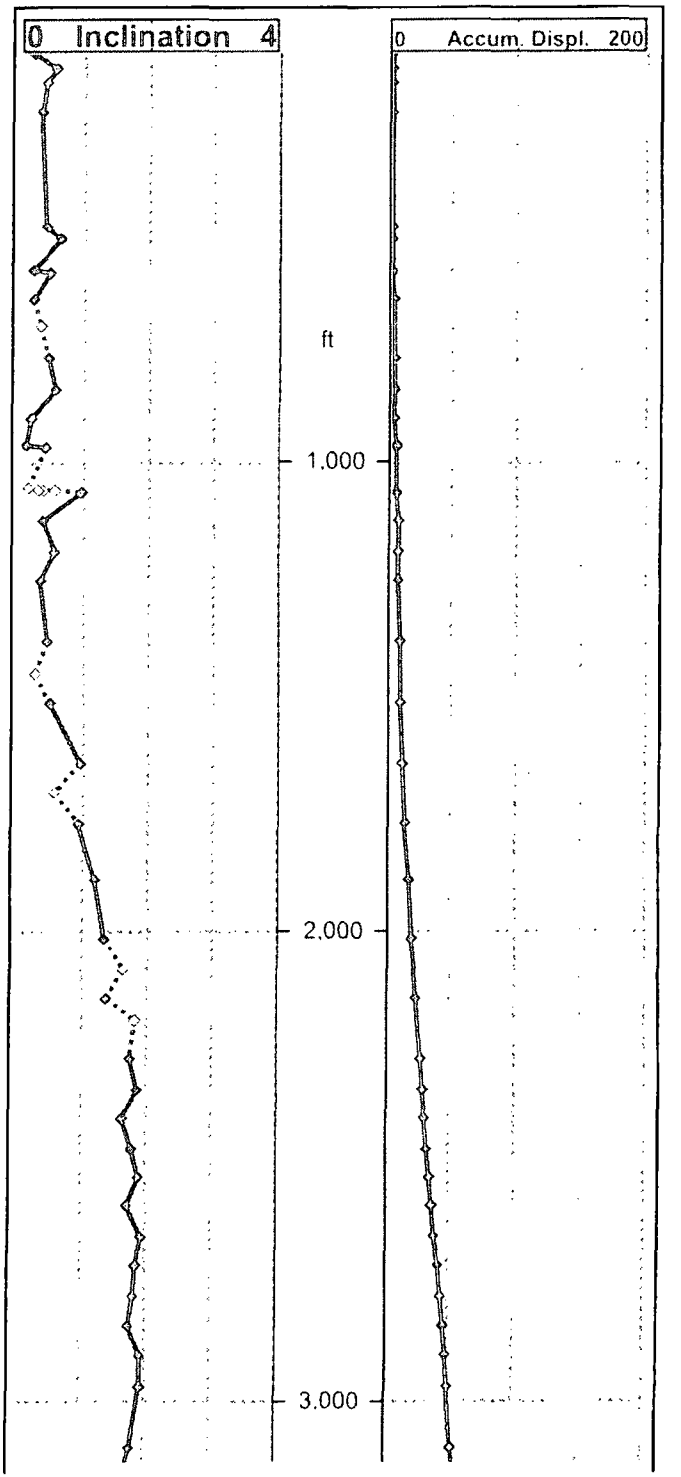
30-025-41320

Well Inclination Report

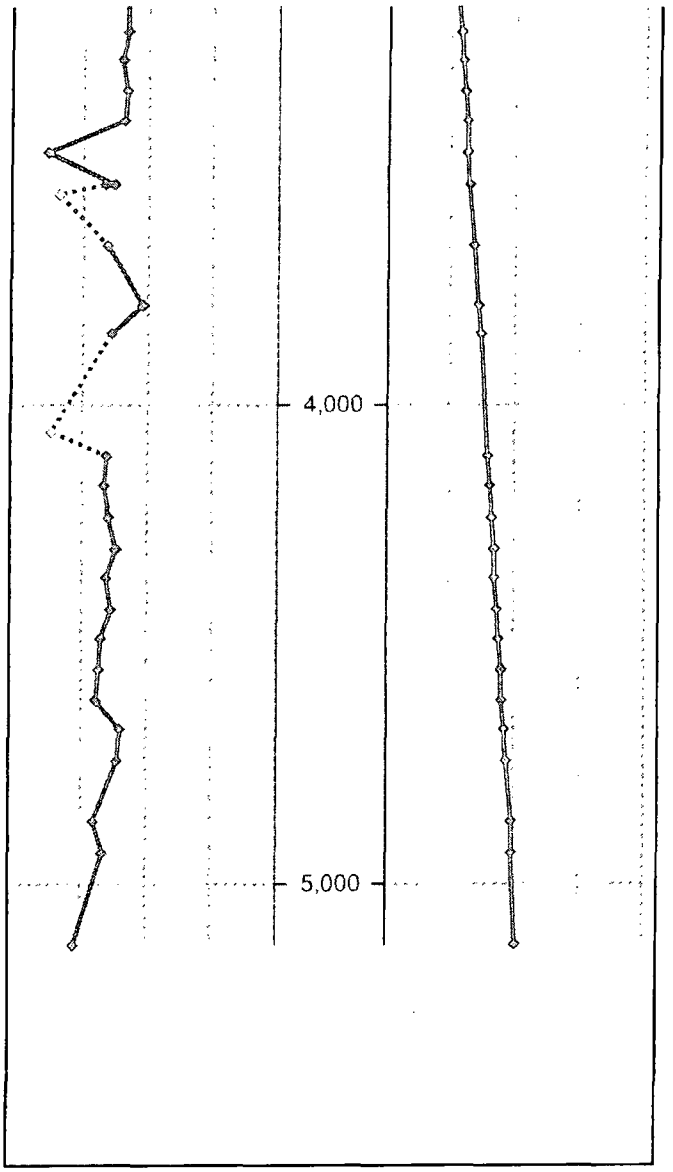
FloDRIFT

SM Energy
Key 888
ESDU 31 C-19-18S-32E
17 Dec 2013 10:50
Bit to Tool: 40.0 ft, Tool to Sensor: -3.0 ft

Date Time	Depth (ft)	Inc. (deg)	Accum. Displ. (ft)
(tie-in)	0	**0.0**	0.0
31 Oct 2013 06:02	138	**0.2**	0.5
31 Oct 2013 06:34	169	**0.5**	0.8
31 Oct 2013 07:39	200	**0.4**	1.0
31 Oct 2013 09:08	260	**0.3**	1.4
31 Oct 2013 13:01	505	**0.4**	3.1
31 Oct 2013 13:39	535	**0.6**	3.4
31 Oct 2013 14:55	598	**0.2**	3.6
31 Oct 2013 15:16	603	**0.5**	3.7
31 Oct 2013 15:55	660	**0.2**	3.8
31 Oct 2013 16:43	*[717]*	**0.3**	*[4.3]*
31 Oct 2013 17:39	784	**0.4**	4.8
31 Oct 2013 18:34	848	0.6	5.4
31 Oct 2013 20:11	910	**0.2**	5.6
01 Nov 2013 02:20	968	**0.1**	5.7
31 Oct 2013 22:12	973	**0.4**	5.7
02 Nov 2013 16:08	*[1,060]*	**0.1**	*[7.1]*
02 Nov 2013 16:54	*[1,062]*	**0.4**	*[7.2]*
02 Nov 2013 17:44	*[1,064]*	**0.3**	*[7.2]*
02 Nov 2013 18:26	*[1,066]*	**0.6**	*[7.2]*
02 Nov 2013 19:15	1,068	**0.9**	7.3
02 Nov 2013 19:44	1,132	**0.4**	7.7
02 Nov 2013 20:10	1,196	**0.6**	8.3
02 Nov 2013 20:38	1,260	**0.3**	8.6
02 Nov 2013 21:47	1,387	**0.4**	9.6
02 Nov 2013 22:14	*[1,452]*	0.2	*[10.1]*
02 Nov 2013 22:39	1,512	**0.5**	10.6
02 Nov 2013 23:33	1,639	**1.0**	12.7
03 Nov 2013 00:05	*[1,704]*	**0.5**	*[13.8]*
03 Nov 2013 00:35	1,766	**0.9**	14.7
03 Nov 2013 01:39	1,893	**1.2**	17.4
03 Nov 2013 02:42	2,019	**1.3**	20.3
03 Nov 2013 03:14	*[2,087]*	**1.6**	*[21.9]*
03 Nov 2013 03:42	2,145	**1.4**	23.3
03 Nov 2013 04:20	*[2,194]*	**1.8**	*[24.8]*
03 Nov 2013 05:22	2,272	**1.8**	27.2
03 Nov 2013 06:50	2,340	**1.9**	29.4
03 Nov 2013 07:42	2,403	**1.6**	31.2
03 Nov 2013 08:35	2,466	**1.8**	33.1
03 Nov 2013 09:18	2,530	**1.9**	35.2
03 Nov 2013 10:20	2,593	**1.7**	37.1



03 Nov 2013 11:18	2,656	**1.9**	39.2
03 Nov 2013 12:24	2,719	**1.8**	41.3
03 Nov 2013 13:34	2,783	**1.8**	43.3
03 Nov 2013 14:39	2,846	**1.8**	45.2
03 Nov 2013 15:54	2,909	**1.9**	47.3
03 Nov 2013 17:16	2,973	**1.9**	49.5
03 Nov 2013 20:10	3,100	**1.8**	53.4
03 Nov 2013 21:33	3,163	**1.7**	55.3
03 Nov 2013 22:54	3,227	**1.7**	57.1
03 Nov 2013 23:47	3,289	**1.6**	58.9
04 Nov 2013 00:48	3,352	**1.7**	60.7
04 Nov 2013 01:49	3,415	**1.6**	62.5
04 Nov 2013 02:45	3,478	0.4	63.0
04 Nov 2013 03:43	3,542	**1.5**	64.6
04 Nov 2013 04:01	3,546	1.3	64.7
04 Nov 2013 04:26	*[3,563]*	**0.6**	*[65.1]*
04 Nov 2013 06:58	3,669	**1.4**	67.6
04 Nov 2013 08:44	3,795	**1.9**	71.8
04 Nov 2013 10:28	3,858	**1.4**	73.4
04 Nov 2013 15:28	*[4,065]*	**0.5**	*[78.3]*
04 Nov 2013 16:36	4,112	**1.4**	79.5
04 Nov 2013 17:44	4,175	**1.3**	80.9
04 Nov 2013 18:45	4,238	**1.4**	82.5
04 Nov 2013 19:41	4,302	**1.5**	84.2
04 Nov 2013 20:34	4,365	**1.4**	85.6
04 Nov 2013 21:48	4,429	**1.4**	87.2
04 Nov 2013 22:44	4,492	**1.3**	88.6
05 Nov 2013 00:06	4,556	**1.2**	90.0
05 Nov 2013 01:05	4,619	**1.2**	91.4
05 Nov 2013 02:07	4,682	**1.6**	93.1
05 Nov 2013 03:51	4,746	**1.6**	94.9
05 Nov 2013 06:18	4,873	**1.2**	97.5
05 Nov 2013 07:03	4,936	**1.3**	99.0
05 Nov 2013 10:57	5,126	**0.9**	101.9



Inclination readings displayed in a small font were measured with slightly lower decoding accuracy than normal.
This could occur, for example, if the Driller changed pump speed or tagged bottom prior to obtaining survey.
These surveys are often very accurate. However, any such measurement that appears 'out of line' should be confirmed with a repeat survey.

Data encased in [ ] are interpolated. The Driller chose not to enter depths for these surveys.
These interpolated surveys are marked in the graph with unfilled boxes and are joined with dotted lines.
Interpolated surveys are not used in the accumulative displacement calculation.