

30-015-41615



FLODRIFT

Well Inclination Report

SM ENERGY

KEY #888

ESDU #34

08 Oct 2013 18:22

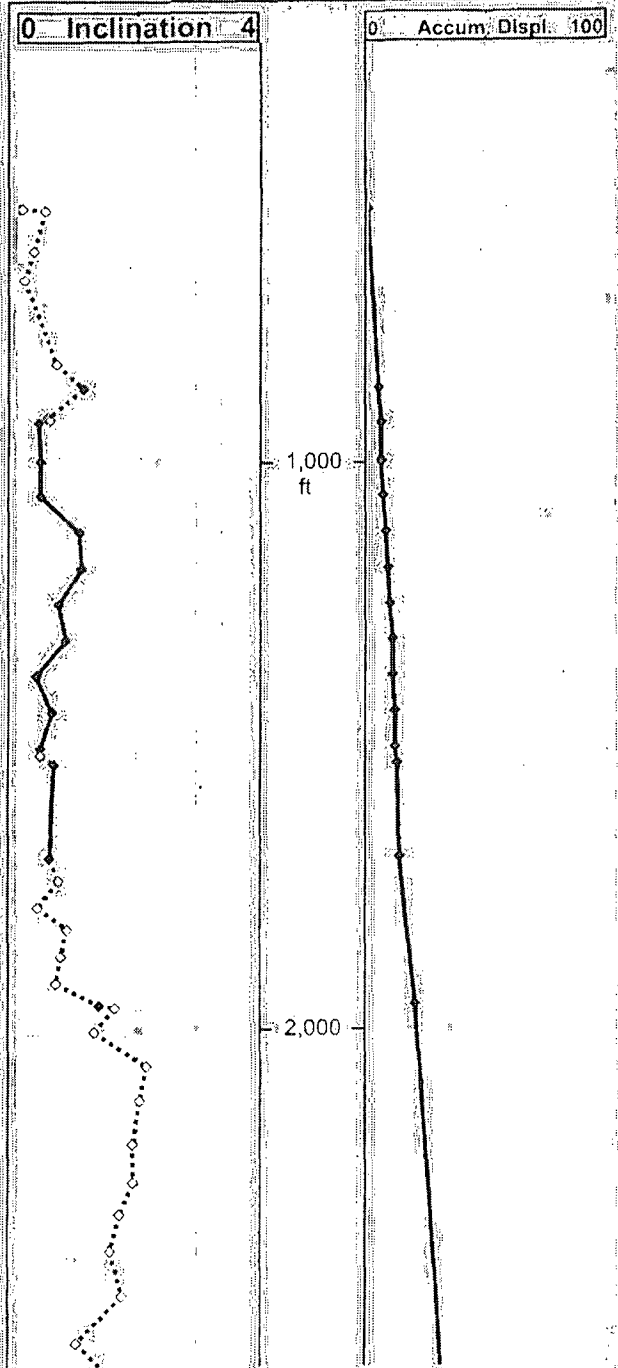
Bit to Tool: 40.0 ft, Tool to Sensor: -3.0 ft

RECEIVED

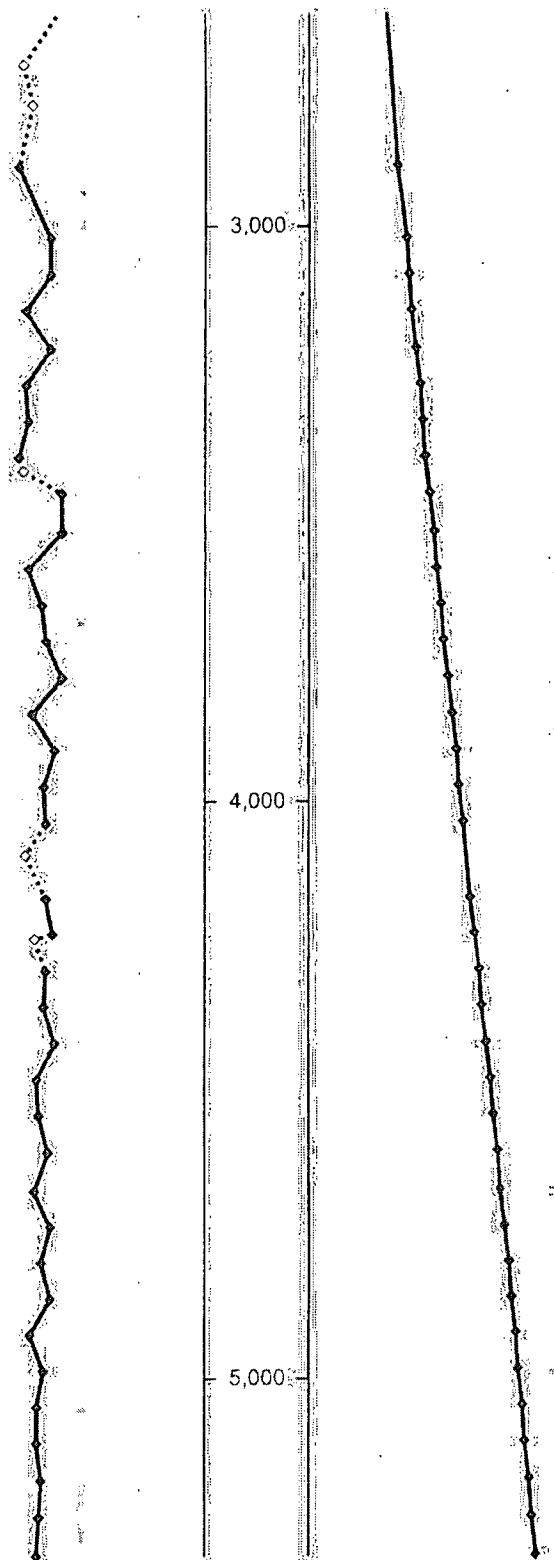
NOV 15 2013

NMOCD ARTESIA

Date Time	Depth (ft)	Inc. (deg)	Accum. Displ. (ft)
(tie-in)	550	0.0	0.0
30 Sep 2013 21:01	0	0.1	0.0
30 Sep 2013 22:06	0	0.1	0.0
30 Sep 2013 22:50	0	0.2	0.0
01 Oct 2013 02:32	259	0.3	1.5
01 Oct 2013 03:16	259	0.3	0.0
01 Oct 2013 03:21	289	0.1	1.6
01 Oct 2013 04:11	[333]	0.3	[1.9]
01 Oct 2013 04:47	[365]	0.1	[2.2]
01 Oct 2013 05:31	[404]	0.3	[2.5]
01 Oct 2013 06:01	[430]	0.7	[2.7]
01 Oct 2013 06:29	[455]	0.4	[2.9]
01 Oct 2013 06:32	[458]	0.3	[2.9]
01 Oct 2013 07:23	[503]	0.3	[3.3]
01 Oct 2013 07:25	[505]	0.3	[3.3]
01 Oct 2013 08:17	[551]	0.1	[3.7]
01 Oct 2013 08:20	[554]	0.5	[3.7]
01 Oct 2013 09:43	[627]	0.3	[4.3]
01 Oct 2013 10:42	[679]	0.1	[4.7]
01 Oct 2013 13:32	[830]	0.7	[6.0]
01 Oct 2013 14:21	873	1.1	6.3
03 Oct 2013 03:51	[926]	0.5	[6.6]
03 Oct 2013 07:12	[930]	0.6	[6.7]
03 Oct 2013 09:06	933	0.3	6.7
03 Oct 2013 09:55	999	0.4	7.1
03 Oct 2013 10:37	1,062	0.4	7.6
03 Oct 2013 11:05	1,126	1.0	8.7
03 Oct 2013 11:50	1,189	1.0	9.9
03 Oct 2013 12:36	1,252	0.7	10.6
03 Oct 2013 13:17	1,316	0.8	11.5
03 Oct 2013 14:03	1,379	0.3	11.8
03 Oct 2013 14:47	1,443	0.6	12.5
03 Oct 2013 15:16	1,506	0.4	12.9
03 Oct 2013 15:42	[1,519]	0.4	[13.1]
03 Oct 2013 16:09	1,533	0.6	13.2
03 Oct 2013 16:38	1,697	0.6	14.8
03 Oct 2013 17:05	[1,738]	0.7	[15.5]
03 Oct 2013 17:37	[1,785]	0.4	[16.4]
03 Oct 2013 18:04	[1,826]	0.8	[17.2]
03 Oct 2013 18:35	[1,872]	0.7	[18.0]
03 Oct 2013 19:07	[1,919]	0.6	[18.9]



04 Oct 2013 07:15	1,962	1.4	21.0
03 Oct 2013 19:37	[1,965]	1.6	[19.7]
03 Oct 2013 20:07	[2,006]	1.3	[20.5]
03 Oct 2013 20:47	[2,070]	2.1	[21.7]
03 Oct 2013 21:28	[2,130]	2.0	[22.8]
03 Oct 2013 22:17	[2,203]	1.9	[24.1]
03 Oct 2013 23:02	[2,270]	1.9	[25.3]
03 Oct 2013 23:39	[2,326]	1.7	[26.4]
04 Oct 2013 00:21	[2,389]	1.6	[27.5]
04 Oct 2013 01:15	[2,469]	1.7	[29.0]
04 Oct 2013 02:11	[2,552]	1.0	[30.5]
04 Oct 2013 02:58	[2,623]	1.6	[31.8]
04 Oct 2013 04:03	[2,721]	1.0	[33.6]
04 Oct 2013 04:50	[2,791]	1.2	[34.9]
04 Oct 2013 06:03	2,900	1.0	36.9
04 Oct 2013 08:18	3,026	1.5	40.2
04 Oct 2013 09:17	3,089	1.5	41.8
04 Oct 2013 10:26	3,152	1.1	43.0
04 Oct 2013 11:39	3,216	1.5	44.7
04 Oct 2013 12:34	3,279	1.0	45.8
04 Oct 2013 13:39	3,343	1.1	47.0
04 Oct 2013 14:37	3,406	1.0	48.1
04 Oct 2013 14:58	[3,428]	1.0	[48.7]
04 Oct 2013 15:38	3,469	1.7	49.9
04 Oct 2013 16:47	3,533	1.7	51.8
04 Oct 2013 18:10	3,596	1.1	53.0
04 Oct 2013 19:19	3,659	1.3	54.5
04 Oct 2013 20:28	3,722	1.4	56.0
04 Oct 2013 21:36	3,786	1.7	57.9
04 Oct 2013 22:49	3,849	1.2	59.2
04 Oct 2013 23:40	3,912	1.6	60.9
05 Oct 2013 01:07	3,976	1.4	62.4
05 Oct 2013 02:36	4,039	1.4	64.0
05 Oct 2013 03:54	[4,091]	1.1	[65.2]
05 Oct 2013 05:45	4,166	1.4	67.0
05 Oct 2013 07:27	4,230	1.5	68.7
05 Oct 2013 07:36	[4,237]	1.2	[68.9]
05 Oct 2013 08:55	4,293	1.4	70.3
05 Oct 2013 10:46	4,354	1.4	71.7
05 Oct 2013 12:05	4,418	1.6	73.5
05 Oct 2013 14:17	4,483	1.2	74.9
05 Oct 2013 15:24	4,544	1.3	76.2
05 Oct 2013 16:32	4,607	1.4	77.8
05 Oct 2013 17:44	4,672	1.2	79.2
05 Oct 2013 19:06	4,735	1.5	80.8
05 Oct 2013 20:28	4,798	1.3	82.3
05 Oct 2013 21:29	4,861	1.5	83.9
05 Oct 2013 22:49	4,924	1.1	85.1
06 Oct 2013 00:23	4,987	1.4	86.6
06 Oct 2013 01:56	5,050	1.2	88.0
06 Oct 2013 02:46	5,114	1.3	89.4



06 Oct 2013 03:37	5,177	1.3	90.8
06 Oct 2013 04:26	5,240	1.3	92.2
06 Oct 2013 05:10	5,304	1.3	93.7
06 Oct 2013 06:48	0	1.3	0.0
06 Oct 2013 09:40	0	1.4	0.0

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 enclosed 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.