



DIRECTIONAL REPORT

30-015-38318

WELLNAME: HAMBONE FEE COM #2H
FIELD: BRUSHY DRAW
AFE NO.:

WELL ID NO.: 30-015-38318
API NO.: 30-015-38318

RECEIVED

JUN 10 2011

NMOCD ARTESIA

SURVEY TYPE: GMS-0 MD: ANGLE: 0.00 AZIMUTH: 0.00 TVD:
N/S: 0.00 E/W: 0.00 VS: 0.00 TARGET: 89.93

MEASURED DEPTH	INCLINATION ANGLE	AZIMUTH ANGLE	TVD	+NORTH -SOUTH	+EAST -WEST	VERTICAL SECTION	DOGLEG SEVERITY
200	0.80	73.30	200	0.40	1.34	1.34	0.40
300	0.80	70.40	300	0.84	2.66	2.67	0.04
400	0.70	65.00	400	1.33	3.88	3.88	0.12
500	0.70	90.40	500	1.58	5.04	5.04	0.31
600	0.70	114.40	600	1.33	6.21	6.21	0.29
700	0.80	125.60	700	0.67	7.33	7.33	0.18
800	1.40	130.80	800	-0.54	8.82	8.82	0.61
900	1.90	137.90	900	-2.57	10.86	10.86	0.54
1,000	2.00	143.50	1,000	-5.20	13.01	13.00	0.21
1,100	1.90	148.40	1,100	-8.01	14.91	14.90	0.19
1,200	1.90	156.90	1,200	-10.95	16.43	16.42	0.28
1,300	2.10	162.50	1,300	-14.22	17.64	17.62	0.28
1,400	2.30	170.50	1,400	-17.95	18.52	18.50	0.37
1,500	2.70	176.80	1,499	-22.28	18.98	18.95	0.48
1,600	3.20	183.20	1,599	-27.42	18.96	18.92	0.60
1,700	3.70	190.30	1,699	-33.38	18.22	18.18	0.66
1,800	3.70	191.20	1,799	-39.72	17.02	16.97	0.06
1,900	2.90	190.30	1,899	-45.37	15.94	15.88	0.80
2,000	2.10	180.90	1,999	-49.69	15.46	15.40	0.90
2,100	1.80	142.80	2,099	-52.78	16.38	16.32	1.30
2,200	1.50	137.80	2,199	-55.00	18.21	18.14	0.33
2,300	1.50	138.80	2,299	-56.95	19.95	19.88	0.03
2,400	1.80	123.60	2,399	-58.81	22.12	22.05	0.53
2,500	2.70	115.30	2,498	-60.68	25.56	25.48	0.95
2,600	2.70	113.40	2,598	-62.62	29.85	29.77	0.09
2,700	2.60	117.20	2,698	-64.60	34.03	33.95	0.20
2,800	2.30	123.40	2,798	-66.74	37.72	37.64	0.40
2,900	2.10	123.10	2,898	-68.84	40.93	40.85	0.20
3,000	1.60	121.10	2,998	-70.56	43.66	43.58	0.50
3,100	1.60	119.35	3,098	-71.97	46.07	45.98	0.05
3,200	1.42	118.02	3,198	-73.24	48.38	48.29	0.18
3,300	1.41	124.16	3,298	-74.51	50.50	50.41	0.15
3,400	1.16	127.98	3,398	-75.82	52.31	52.22	0.26
3,500	0.95	129.36	3,498	-76.97	53.75	53.66	0.21
3,600	0.84	138.35	3,598	-78.05	54.88	54.78	0.18
3,700	0.72	144.75	3,698	-79.11	55.73	55.63	0.15
3,800	0.66	145.54	3,798	-80.09	56.42	56.32	0.06
3,900	0.49	154.39	3,898	-80.95	56.93	56.83	0.19
4,000	0.45	146.88	3,998	-81.67	57.33	57.23	0.07
4,100	0.43	149.40	4,098	-82.32	57.73	57.63	0.03
4,200	0.38	165.84	4,198	-82.97	58.01	57.90	0.13
4,300	0.47	151.59	4,298	-83.65	58.28	58.18	0.14
4,400	0.39	175.50	4,398	-84.35	58.50	58.40	0.20
4,500	0.46	188.08	4,498	-85.08	58.47	58.37	0.12
4,600	0.45	192.74	4,598	-85.86	58.33	58.23	0.04
4,700	0.46	195.44	4,698	-86.64	58.14	58.03	0.02
4,800	0.53	187.10	4,798	-87.48	57.97	57.87	0.10
4,900	0.57	185.82	4,898	-88.43	57.87	57.76	0.04
5,000	0.83	187.87	4,998	-89.65	57.72	57.61	0.26
5,100	0.88	184.46	5,098	-91.13	57.56	57.45	0.07
5,200	0.98	200.23	5,198	-92.70	57.20	57.09	0.27
5,300	0.96	207.30	5,298	-94.24	56.52	56.41	0.12
5,400	0.98	211.60	5,398	-95.72	55.69	55.57	0.07
5,500	1.09	200.69	5,498	-97.33	54.91	54.79	0.23
5,600	1.26	199.69	5,598	-99.26	54.20	54.08	0.17
5,700	1.13	205.15	5,698	-101.19	53.41	53.28	0.17
5,800	1.23	201.35	5,798	-103.08	52.60	52.47	0.13
5,900	1.43	204.07	5,898	-105.22	51.70	51.57	0.21
6,000	1.58	206.62	5,998	-107.59	50.57	50.44	0.16
6,100	1.62	209.07	6,098	-110.06	49.27	49.13	0.08
6,200	1.88	211.78	6,198	-112.69	47.72	47.58	0.27
6,300	1.84	219.38	6,297	-115.32	45.84	45.69	0.25
6,400	1.92	218.02	6,397	-117.89	43.78	43.64	0.09
6,491	2.05	218.98	6,488	-120.35	41.82	41.67	0.15
6,562	1.40	214.20	6,559	-122.06	40.53	40.39	0.94
6,593	2.10	120.30	6,590	-122.66	40.81	40.66	8.39
6,625	5.10	100.80	6,622	-123.22	42.72	42.57	9.99
6,657	8.20	91.50	6,654	-123.54	46.40	46.24	10.22
6,689	11.40	86.10	6,686	-123.39	51.83	51.68	10.39
6,721	14.60	83.60	6,717	-122.72	59.00	58.85	10.15
6,753	18.00	83.10	6,747	-121.68	67.92	67.77	10.63
6,784	21.50	83.70	6,777	-120.48	78.32	78.18	11.31



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TARGET: 89.93

MEASURED DEPTH	INCLINATION ANGLE	AZIMUTH ANGLE	TVD	+NORTH -SOUTH	+EAST -WEST	VERTICAL SECTION	DOGLEG SEVERITY
6,816	25.10	84.40	6,806	-119.17	90.91	90.77	11.28
6,848	28.90	83.90	6,835	-117.69	105.36	105.22	11.90
6,880	32.10	83.10	6,862	-115.85	121.49	121.35	10.08
6,912	34.90	82.70	6,889	-113.66	139.02	138.88	8.78
6,943	37.60	82.80	6,914	-111.35	157.20	157.06	8.71
6,975	39.80	84.30	6,939	-109.11	177.08	176.95	7.47
7,007	42.60	85.20	6,963	-107.18	198.07	197.94	8.94
7,038	45.50	86.50	6,985	-105.63	219.56	219.43	9.80
7,070	48.40	86.80	7,007	-104.27	242.90	242.78	9.09
7,102	51.90	87.10	7,027	-102.96	267.43	267.31	10.96
7,134	55.40	87.80	7,046	-101.82	293.18	293.05	11.08
7,166	58.90	87.90	7,064	-100.81	320.04	319.91	10.94
7,197	62.30	87.90	7,079	-99.82	347.02	346.90	10.97
7,229	66.20	87.80	7,093	-98.74	375.82	375.70	12.19
7,261	70.50	87.90	7,105	-97.62	405.53	405.41	13.44
7,293	74.90	88.40	7,114	-96.64	436.06	435.94	13.83
7,324	78.90	88.10	7,121	-95.72	466.23	466.12	12.94
7,356	83.10	87.80	7,126	-94.59	497.81	497.70	13.16
7,388	87.80	87.20	7,129	-93.19	529.67	529.56	14.81
7,451	90.00	86.90	7,130	-89.95	592.57	592.46	3.52
7,515	90.20	86.70	7,130	-86.38	656.47	656.37	0.44
7,578	90.10	86.70	7,130	-82.75	719.37	719.27	0.16
7,674	90.70	86.40	7,129	-76.98	815.19	815.10	0.70
7,768	91.00	87.20	7,128	-71.73	909.03	908.95	0.91
7,864	89.30	87.20	7,127	-67.04	1004.92	1004.83	1.77
7,958	89.90	87.40	7,128	-62.61	1098.81	1098.73	0.67
8,053	90.50	87.60	7,128	-58.47	1193.72	1193.64	0.67
8,149	89.50	87.70	7,128	-54.53	1289.63	1289.57	1.05
8,244	90.30	87.80	7,128	-50.80	1384.56	1384.50	0.85
8,339	90.90	88.90	7,127	-48.07	1479.51	1479.45	1.32
8,435	88.70	88.10	7,127	-45.55	1575.47	1575.42	2.44
8,530	89.60	88.40	7,129	-42.65	1670.42	1670.37	1.00
8,625	88.40	88.00	7,130	-39.67	1765.36	1765.31	1.33
8,721	88.80	88.40	7,133	-36.66	1861.28	1861.23	0.59
8,816	88.80	88.30	7,135	-33.92	1956.22	1956.18	0.10
8,911	88.70	88.10	7,137	-30.94	2051.15	2051.11	0.23
9,007	89.10	87.90	7,139	-27.59	2147.07	2147.04	0.47
9,102	89.60	87.90	7,140	-24.11	2242.00	2241.97	0.53
9,197	88.40	87.80	7,141	-20.54	2336.92	2336.89	1.27
9,293	87.70	86.90	7,145	-16.11	2432.76	2432.74	1.19
9,388	88.40	87.80	7,148	-11.72	2527.60	2527.59	1.20
9,483	88.80	88.10	7,150	-8.32	2622.51	2622.50	0.53
9,578	89.50	88.50	7,151	-5.50	2717.46	2717.45	0.85
9,674	89.90	89.40	7,152	-3.75	2813.44	2813.43	1.03
9,896	89.40	88.90	7,153	-0.45	3035.41	3035.41	0.32
9,959	90.40	89.90	7,153	0.21	3098.41	3098.40	2.25
10,023	90.70	90.10	7,153	0.21	3162.40	3162.40	0.56
10,086	91.30	90.20	7,152	0.04	3225.39	3225.39	0.97
10,150	91.10	89.90	7,150	-0.01	3289.38	3289.38	0.56
10,245	89.70	89.00	7,150	0.90	3384.37	3384.37	1.75
10,340	90.30	89.00	7,150	2.56	3479.35	3479.35	0.63
10,436	89.30	88.90	7,150	4.32	3575.34	3575.34	1.05
10,531	89.70	88.60	7,151	6.39	3670.31	3670.31	0.53
10,626	89.30	89.00	7,152	8.38	3765.28	3765.29	0.59
10,722	90.10	88.60	7,152	10.39	3861.26	3861.27	0.93
10,817	89.70	89.40	7,152	12.05	3956.24	3956.26	0.94
10,912	89.60	90.60	7,153	12.05	4051.24	4051.25	1.27
11,008	87.90	90.10	7,155	11.46	4147.21	4147.22	1.85
11,103	89.90	93.20	7,157	8.72	4242.14	4242.15	3.88
11,199	87.30	93.60	7,159	3.03	4337.93	4337.93	2.74
11,294	87.60	95.90	7,163	-4.83	4432.51	4432.50	2.44
11,389	88.60	97.60	7,167	-15.98	4526.79	4526.77	2.08
11,538	86.70	98.80	7,173	-37.22	4674.14	4674.09	1.51
11,594	86.70	98.80	7,176	-45.77	4729.38	4729.32	0.00