



DIRECTIONAL REPORT

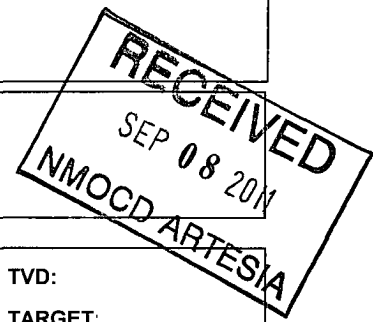
WELLNAME: SUPERFORTRESS 29 FEDERAL #3H

FIELD: GATUNA CANYON

AFE NO.:

WELL ID NO.: 30-015-00001

API NO.: 30-015-38642



SURVEY TYPE: GMS-0

MD:

ANGLE:

AZIMUTH:

TVD:

N/S:

E/W:

VS:

TARGET:

MEASURED DEPTH	INCLINATION ANGLE	AZIMUTH ANGLE	TVD	+NORTH -SOUTH	+EAST -WEST	VERTICAL SECTION	DOGLEG SEVERITY
100	0.29	268.60	100	-0.01	-0.25	-0.01	0.29
200	0.35	229.48	200	-0.21	-0.74	-0.21	0.22
300	0.69	230.90	300	-0.79	-1.44	-0.79	0.34
400	0.93	252.96	400	-1.41	-2.68	-1.41	0.39
500	1.03	253.96	500	-1.89	-4.32	-1.89	0.10
600	0.88	262.34	600	-2.24	-5.95	-2.24	0.20
700	0.92	261.26	700	-2.47	-7.50	-2.47	0.04
800	0.58	252.10	800	-2.75	-8.78	-2.75	0.36
900	0.44	235.56	900	-3.12	-9.57	-3.12	0.20
1,000	0.21	175.37	1,000	-3.52	-9.88	-3.52	0.38
1,100	0.26	79.44	1,100	-3.66	-9.64	-3.66	0.35
1,200	0.27	93.50	1,200	-3.63	-9.18	-3.63	0.07
1,300	0.93	64.49	1,300	-3.30	-8.21	-3.30	0.71
1,400	2.21	67.29	1,400	-2.20	-5.70	-2.20	1.28
1,500	2.95	62.51	1,500	-0.27	-1.64	-0.27	0.77
1,600	3.12	62.71	1,600	2.17	3.06	2.17	0.17
1,700	3.11	62.43	1,699	4.67	7.88	4.67	0.02
1,800	2.54	76.64	1,799	6.44	12.45	6.44	0.90
1,900	2.52	77.82	1,899	7.41	16.75	7.41	0.06
2,000	2.07	76.25	1,999	8.30	20.65	8.30	0.45
2,100	1.14	60.22	2,099	9.23	23.27	9.23	1.02
2,200	1.09	69.91	2,199	10.05	25.03	10.05	0.20
2,300	0.78	48.37	2,299	10.83	26.43	10.83	0.46
2,400	0.95	45.88	2,399	11.86	27.53	11.86	0.17
2,500	0.64	28.00	2,499	12.93	28.39	12.93	0.39
2,600	0.78	39.37	2,599	13.95	29.09	13.95	0.20
2,700	0.69	31.05	2,699	14.99	29.83	14.99	0.14
2,800	0.80	76.95	2,799	15.66	30.82	15.66	0.59
2,900	0.63	117.84	2,899	15.56	31.98	15.56	0.52
3,000	0.78	133.33	2,999	14.84	32.97	14.84	0.24
3,100	0.62	163.27	3,099	13.85	33.62	13.85	0.39
3,200	0.06	129.95	3,199	13.30	33.81	13.30	0.57
3,300	0.42	323.32	3,299	13.56	33.63	13.56	0.48
3,400	0.28	341.03	3,399	14.09	33.34	14.09	0.17
3,500	0.56	305.40	3,499	14.60	32.86	14.60	0.37
3,600	0.61	276.12	3,599	14.94	31.93	14.94	0.30
3,700	0.89	284.95	3,699	15.20	30.65	15.20	0.30
3,800	0.84	286.40	3,799	15.61	29.20	15.61	0.06
3,900	0.84	285.89	3,899	16.01	27.79	16.01	0.01
4,000	0.92	274.77	3,999	16.28	26.28	16.28	0.19
4,100	1.16	279.59	4,099	16.52	24.49	16.52	0.26
4,200	1.33	284.53	4,199	16.98	22.36	16.98	0.20
4,300	1.36	291.20	4,299	17.70	20.13	17.70	0.16
4,400	1.28	290.55	4,399	18.52	17.98	18.52	0.08
4,500	1.24	290.36	4,499	19.29	15.92	19.29	0.04
4,600	1.22	281.65	4,599	19.88	13.87	19.88	0.19
4,700	1.33	278.45	4,699	20.26	11.67	20.26	0.13
4,800	1.31	273.06	4,799	20.50	9.38	20.50	0.13
4,900	1.27	272.73	4,899	20.61	7.14	20.61	0.04
5,000	1.12	266.05	4,999	20.59	5.05	20.59	0.20
5,100	1.13	265.18	5,099	20.44	3.10	20.44	0.02



DIRECTIONAL REPORT

WELLNAME: SUPERFORTRESS 29 FEDERAL #3H

FIELD: GATUNA CANYON

WELL ID NO.: 30-015-00001

AFE NO.:

API NO.: 30-015-38642

SURVEY TYPE: GMS-0

MD:

ANGLE:

AZIMUTH:

TVD:

N/S:

E/W:

VS:

TARGET:

MEASURED DEPTH	INCLINATION ANGLE	AZIMUTH ANGLE	TVD	+NORTH -SOUTH	+EAST -WEST	VERTICAL SECTION	DOGLEG SEVERITY
5,200	1.11	270.56	5,199	20.37	1.15	20.37	0.11
5,300	0.65	283.74	5,299	20.52	-0.37	20.52	0.50
5,400	0.48	268.88	5,399	20.64	-1.34	20.64	0.22
5,500	0.19	241.19	5,499	20.55	-1.91	20.55	0.32
5,600	0.27	139.26	5,599	20.30	-1.90	20.30	0.36
5,700	0.55	133.22	5,699	19.79	-1.40	19.79	0.28
5,800	0.86	134.92	5,799	18.93	-0.52	18.93	0.31
5,900	1.02	131.10	5,899	17.81	0.69	17.81	0.17
6,000	0.94	131.07	5,999	16.69	1.98	16.69	0.08
6,100	0.92	120.71	6,099	15.74	3.29	15.74	0.17
6,200	1.04	118.12	6,199	14.90	4.78	14.90	0.13
6,300	1.22	120.45	6,299	13.94	6.49	13.94	0.19
6,400	1.09	124.61	6,399	12.86	8.20	12.86	0.15
6,500	0.82	128.07	6,499	11.88	9.54	11.88	0.28
6,600	0.57	157.49	6,599	10.97	10.29	10.97	0.43
6,700	0.38	221.31	6,699	10.27	10.27	10.27	0.53
6,800	0.48	240.22	6,799	9.81	9.68	9.81	0.17
6,900	0.52	258.88	6,899	9.51	8.88	9.51	0.17
7,000	0.71	268.93	6,999	9.41	7.81	9.41	0.22
7,100	0.53	284.08	7,099	9.52	6.74	9.52	0.24
7,200	0.42	255.20	7,199	9.53	5.94	9.53	0.26
7,300	0.77	240.22	7,299	9.11	5.00	9.11	0.38
7,400	1.38	228.78	7,399	7.98	3.51	7.98	0.64
7,500	1.80	217.90	7,498	5.95	1.64	5.95	0.52
7,600	1.60	232.79	7,598	3.86	-0.43	3.86	0.48
7,700	1.02	240.42	7,698	2.58	-2.32	2.58	0.60
7,800	0.61	219.84	7,798	1.73	-3.44	1.73	0.50
7,900	0.44	229.80	7,898	1.07	-4.07	1.07	0.19
8,000	0.49	252.39	7,998	0.70	-4.77	0.70	0.19
8,100	0.24	261.06	8,098	0.54	-5.38	0.54	0.26
8,200	0.52	261.80	8,198	0.44	-6.04	0.44	0.28
8,300	0.41	268.13	8,298	0.36	-6.85	0.36	0.12
8,400	0.47	273.58	8,398	0.38	-7.62	0.38	0.07
8,500	0.40	235.71	8,498	0.20	-8.31	0.20	0.29
8,600	0.21	205.65	8,598	-0.16	-8.68	-0.16	0.24
8,700	0.42	277.66	8,698	-0.27	-9.12	-0.27	0.41
8,800	0.86	247.38	8,798	-0.51	-10.18	-0.51	0.54
8,900	0.98	243.64	8,898	-1.18	-11.64	-1.18	0.13
9,000	0.98	243.95	8,998	-1.94	-13.17	-1.94	0.01