

page 1

Inrun Survey
CHARLES B GILLESPIE JR

30-025-34100

m-27-12s-38e sur 495/S & 495/W
Well number : HODGE NO. 1 BHL 625/S & 517/W

Date : 27-OCT-1997

Measured Depth	Vertical Depth	Vert. Section	Inc Dec	Azimuth Dec	Coordinates Latitude Departure		D-lea /100ft
0.0	0.00	0.0	0.00	0.00	0.00	0.00	0.00
100.0	100.00	-0.0	0.78	269.87	-0.00	-0.68	0.78
200.0	199.99	0.0	0.88	270.58	0.01	-2.13	0.10
300.0	299.98	0.2	0.87	285.30	0.21	-3.63	0.22
400.0	399.96	0.4	0.93	270.98	0.43	-5.17	0.23
500.0	499.95	0.5	0.76	272.60	0.47	-6.65	0.17
600.0	599.94	0.4	0.86	261.50	0.39	-8.05	0.19
700.0	699.93	0.3	0.84	274.77	0.34	-9.53	0.20
800.0	799.92	0.4	0.74	271.49	0.42	-10.90	0.11
900.0	899.91	0.6	0.84	279.87	0.56	-12.27	0.15
1000.0	999.90	0.8	0.66	284.02	0.82	-13.55	0.19
1100.0	1099.89	1.0	0.75	276.13	1.03	-14.76	0.13
1200.0	1199.88	1.0	0.88	263.09	1.01	-16.17	0.23
1300.0	1299.87	0.9	1.00	270.27	0.92	-17.81	0.17
1400.0	1399.86	1.0	0.86	273.23	0.97	-19.43	0.15
1500.0	1499.84	1.3	1.13	284.13	1.25	-21.14	0.33
1600.0	1599.82	1.9	1.37	289.12	1.88	-23.22	0.26
1700.0	1699.79	3.2	1.50	313.34	3.17	-25.29	0.61
1800.0	1799.76	5.1	1.43	323.46	5.07	-26.98	0.27
1900.0	1899.72	7.1	1.48	320.37	7.06	-28.55	0.09
2000.0	1999.69	9.1	1.45	323.72	9.08	-30.12	0.09
2100.0	2099.66	10.9	1.24	320.51	10.93	-31.56	0.22
2200.0	2199.64	12.6	1.23	317.74	12.56	-32.97	0.06
2300.0	2299.61	14.3	1.35	322.21	14.29	-34.42	0.16
2400.0	2399.58	16.3	1.48	325.26	16.29	-35.88	0.15
2500.0	2499.55	18.6	1.69	331.77	18.65	-37.31	0.28
2600.0	2599.50	21.3	1.64	338.56	21.28	-38.53	0.20
2700.0	2699.46	23.9	1.54	339.57	23.87	-39.52	0.10
2800.0	2799.43	26.4	1.50	342.67	26.38	-40.38	0.09
2900.0	2899.39	29.1	1.67	346.52	29.05	-41.12	0.20
3000.0	2999.35	31.7	1.45	349.98	31.71	-41.67	0.24
3100.0	3099.33	33.9	1.07	346.64	33.87	-42.11	0.38
3200.0	3199.31	35.8	1.13	354.08	35.76	-42.43	0.15
3300.0	3299.29	37.7	1.11	2.82	37.70	-42.48	0.17
3400.0	3399.28	39.4	0.87	0.78	39.43	-42.42	0.24
3500.0	3499.26	41.0	0.97	3.85	41.03	-42.36	0.11
3600.0	3599.25	42.7	1.02	13.04	42.74	-42.10	0.17
3700.0	3699.23	44.4	0.95	14.77	44.40	-41.69	0.07
3800.0	3799.22	46.0	1.10	28.91	46.05	-41.01	0.29

Inrun Survey
CHARLES B GILLESPIE JR

Well number : HODGE NO. 1

Date : 27-OCT-1997

Measured Depth	Vertical Depth	Vert. Section	Inc Dec	Azimuth Deg	Coordinates Latitude Departure		D-leg /100ft
-----	-----	-----	-----	-----	-----	-----	-----
3900.0	3899.20	47.6	1.03	38.88	47.59	-39.98	0.20
4000.0	3999.18	49.0	0.93	32.09	48.98	-38.99	0.15
4100.0	4099.17	50.4	1.04	38.57	50.38	-37.99	0.16
4200.0	4199.15	51.7	0.95	45.53	51.67	-36.83	0.15
4300.0	4299.14	53.0	0.97	27.87	52.99	-35.84	0.29
4400.0	4399.13	54.2	0.75	42.59	54.22	-35.01	0.31
4500.0	4499.12	55.2	0.65	24.92	55.22	-34.32	0.24
4600.0	4599.12	56.1	0.61	42.02	56.13	-33.73	0.19
4700.0	4699.11	57.1	0.75	28.02	57.10	-33.06	0.22
4800.0	4799.10	58.1	0.60	34.86	58.11	-32.46	0.17
4900.0	4899.10	59.0	0.71	45.43	58.97	-31.72	0.16
5000.0	4999.09	59.9	0.76	37.36	59.94	-30.87	0.12
5100.0	5099.08	61.1	0.73	22.59	61.05	-30.22	0.19
5200.0	5199.07	62.1	0.63	31.91	62.11	-29.69	0.15
5300.0	5299.06	63.1	0.92	47.81	63.12	-28.80	0.35
5400.0	5399.05	64.3	0.86	27.99	64.32	-27.85	0.31
5500.0	5499.04	65.6	0.84	33.05	65.60	-27.10	0.08
5600.0	5599.02	67.4	1.43	11.64	67.44	-26.45	0.72
5700.0	5698.98	70.2	1.77	353.62	70.20	-26.37	0.60
5800.0	5798.94	73.1	1.57	354.86	73.10	-26.66	0.20
5900.0	5898.90	76.0	1.74	0.22	75.98	-26.78	0.23
6000.0	5998.86	78.5	1.16	355.01	78.51	-26.86	0.59
6100.0	6098.84	80.6	1.22	4.27	80.59	-26.87	0.20
6200.0	6198.82	82.5	0.93	9.45	82.45	-26.66	0.30
6300.0	6298.81	84.1	1.02	16.54	84.11	-26.27	0.15
6400.0	6398.80	85.6	0.80	24.62	85.59	-25.73	0.25
6500.0	6498.79	87.0	0.93	14.47	87.01	-25.23	0.20
6600.0	6598.77	88.5	0.80	16.28	88.47	-24.84	0.14
6700.0	6698.77	89.8	0.74	2.27	89.78	-24.61	0.20
6800.0	6798.76	90.7	0.31	346.51	90.69	-24.65	0.45
6900.0	6898.76	91.3	0.39	354.02	91.30	-24.75	0.09
7000.0	6998.76	91.7	0.14	327.69	91.74	-24.86	0.27
7100.0	7098.76	92.0	0.15	343.50	91.97	-24.96	0.04
7200.0	7198.76	92.3	0.25	18.81	92.31	-24.93	0.15
7300.0	7298.75	92.8	0.42	28.24	92.84	-24.68	0.18
7400.0	7398.75	93.3	0.24	58.55	93.27	-24.33	0.24
7500.0	7498.75	93.7	0.44	44.36	93.66	-23.88	0.22
7600.0	7598.75	94.0	0.53	76.92	94.04	-23.16	0.28
7700.0	7698.74	94.5	0.43	32.54	94.46	-22.51	0.37

Inrun Survey
CHARLES B GILLESPIE JR

Well number : HODGE NO. 1

Date : 27-OCT-1997

Measured Depth	Vertical Depth	Vert. Section	Inc Deg	Azimuth Deg	Coordinates		D-leg /100ft
-----	-----	-----	-----	-----	Latitude	Departure	-----
7800.0	7798.74	95.1	0.56	46.80	95.11	-21.95	0.17
7900.0	7898.73	96.0	0.68	26.08	95.98	-21.34	0.25
8000.0	7998.73	96.9	0.56	32.23	96.92	-20.81	0.14
8100.0	8098.72	97.9	0.90	43.56	97.91	-20.01	0.37
8200.0	8198.70	99.3	1.25	38.15	99.33	-18.80	0.37
8300.0	8298.68	101.0	1.24	42.67	100.99	-17.39	0.10
8400.0	8398.65	102.8	1.32	33.12	102.75	-16.02	0.23
8500.0	8498.63	104.6	1.22	37.70	104.56	-14.74	0.14
8600.0	8598.61	106.1	0.95	31.54	106.11	-13.66	0.29
8700.0	8698.60	107.4	0.86	44.62	107.35	-12.69	0.22
8800.0	8798.59	108.3	0.77	56.70	108.26	-11.60	0.20
8900.0	8898.58	108.9	0.74	63.64	108.91	-10.46	0.10
9000.0	8998.57	109.5	0.59	55.44	109.49	-9.46	0.17
9100.0	9098.57	110.1	0.61	57.27	110.07	-8.59	0.02
9200.0	9198.56	110.7	0.56	52.12	110.66	-7.76	0.07
9300.0	9298.56	111.2	0.26	18.52	111.17	-7.30	0.37
9400.0	9398.56	111.5	0.34	61.02	111.53	-6.98	0.23
9500.0	9498.56	111.8	0.26	45.07	111.83	-6.56	0.11
9600.0	9598.55	111.9	0.33	118.17	111.86	-6.14	0.36
9700.0	9698.55	111.9	0.22	18.08	111.91	-5.83	0.42
9800.0	9798.55	112.1	0.09	306.22	112.13	-5.83	0.21
9900.0	9898.55	112.4	0.28	335.81	112.40	-6.00	0.20
10000.0	9998.55	112.9	0.54	300.17	112.86	-6.51	0.36
10100.0	10098.55	113.4	0.40	327.25	113.40	-7.11	0.26
10200.0	10198.54	114.1	0.64	323.16	114.14	-7.63	0.24
10300.0	10298.54	114.8	0.39	310.43	114.80	-8.23	0.27
10400.0	10398.53	115.5	0.63	332.38	115.51	-8.74	0.31
10500.0	10498.53	116.5	0.61	335.20	116.48	-9.22	0.04
10600.0	10598.52	117.7	0.95	340.70	117.74	-9.72	0.35
10700.0	10698.50	119.1	0.79	329.85	119.12	-10.34	0.23
10800.0	10798.49	120.3	0.92	317.93	120.32	-11.22	0.22
10900.0	10898.48	121.6	0.84	341.14	121.61	-12.00	0.36
11000.0	10998.47	122.8	0.63	336.79	122.81	-12.45	0.22
11100.0	11098.45	124.3	1.69	310.53	124.27	-13.79	1.16
11200.0	11198.41	126.0	1.65	303.74	126.02	-16.10	0.20
11300.0	11298.37	127.6	1.49	305.08	127.57	-18.36	0.17
11400.0	11398.34	129.0	1.43	302.37	128.99	-20.48	0.09
11500.0	11498.31	130.5	1.25	318.41	130.47	-22.26	0.41

Inrun Survey
CHARLES B GILLESPIE JR

Well number : HODGE NO. 1

Date : 27-OCT-1997

Measured Depth	Vertical Depth	Vert. Section	Inc Deq	Azimuth Deq	Coordinates Latitude	Departure	D-leg /100ft
-----	-----	-----	-----	-----	-----	-----	-----

At Bottom Hole Location:	Measured Depth	Horiz. Displ.	Closure Dir.
	= 11500.0	= 132.355	= 350.317

