HALLIBURTON

3000 N. Sam Houston Parkway E. • Houston, TX 77032

April 19, 2006

RECEIVED
JUN 26 2006
ARTESIA

Re: BP Exploration
Goldfish 17 Federal #1
Sec. 17-T17S-R30E
Eddy County, New Mexico

Enclosed please find the original and one copy of the surveys performed on the referenced well by Halliburton/Sperry Drilling Services.

Name & Title of Supervisor	Drainhole Number	Surveyed Depths	Dates Performed	Type of Survey
Mike Hart MWD Supervisor	Original	4,212' – 11,179'	10/27/05 – 11/19/05	MWD
Mike Hart MWD Supervisor	Projection to TD	11,179' – 11,250'		MWD

If any other information is required, please contact the undersigned at the letterhead address and phone number.

Mike Hart
MWD Supervisor

My Commission Expires: 7-13-08

Dawn Megee
Notary Public

DAWN MEGEE
NOTARY PUBLIC STATE OF TEXAS
COMMISSION EXPIRES:
JULY 13, 2008

BP Exploration
Goldfish 17 Federal #1
Loco Hills
New Mexico
Nabors 399
API# 42-015-34376

October 25, 2005 to November 19, 2005
LAMM 4014397

Sperry Drilling Services
LWD Directional Survey Report

Prepared for BP
November 28, 2005
Final Report

Submitted by Donald Guidry
Halliburton / Sperry Drilling Services
4607 Hwy 90 East, Broussard, LA 70518
Ph: 337-837-3061 Fax: 337-837-4400

HALLIBURTON

Drilling and Formation Evaluation

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	VERTICAL DEPTH	LATITUDE FEET	DEPARTURE FEET	VERTICAL SECTION	DOG LEG
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.20	0.18	200.02	36.20	0.05 S	0.02 W	-0.05	0.50
132.20	0.18	200.17	132.20	0.34 S	0.12 W	-0.34	0.00
228.30	0.25	250.33	228.30	0.55 S	0.37 W	-0.55	0.20
324.30	0.16	214.02	324.30	0.73 S	0.64 W	-0.73	0.16
420.30	0.19	171.11	420.30	1.00 S	0.70 W	-1.00	0.14
516.40	1.79	118.11	516.38	1.86 S	0.65 E	-1.86	1.75
612.40	1.73	115.41	612.34	3.19 S	3.28 E	-3.19	0.11
708.40	2.03	106.79	708.28	4.30 S	6.22 E	-4.30	0.43
804.50	1.83	102.58	804.33	5.13 S	9.35 E	-5.13	0.25
900.50	1.65	99.49	900.29	5.69 S	12.21 E	-5.69	0.21
996.50	1.85	141.35	996.24	7.13 S	14.54 E	-7.13	1.32
1092.50	1.53	103.72	1092.21	8.64 S	16.75 E	-8.64	1.18
1188.60	1.48	112.43	1188.27	9.42 S	19.15 E	-9.42	0.24
1284.60	1.50	106.95	1284.24	10.26 S	21.49 E	-10.26	0.15
1380.60	1.29	104.63	1380.21	10.90 S	23.74 E	-10.90	0.23
1476.70	0.99	101.64	1476.29	11.34 S	25.60 E	-11.34	0.32
1572.70	0.78	102.18	1572.28	11.65 S	27.05 E	-11.65	0.22
1668.70	0.69	119.09	1668.27	12.07 S	28.20 E	-12.07	0.24
1764.80	0.79	140.77	1764.37	12.86 S	29.12 E	-12.86	0.31
1860.80	0.83	143.95	1860.36	13.94 S	29.95 E	-13.94	0.06
1956.80	0.88	139.48	1956.34	15.06 S	30.84 E	-15.06	0.09
2052.80	0.66	129.99	2052.34	15.97 S	31.74 E	-15.97	0.26
2148.90	0.64	140.09	2148.43	16.74 S	32.51 E	-16.74	0.12
2244.90	0.30	152.65	2244.43	17.38 S	32.97 E	-17.38	0.37
2340.90	0.25	179.63	2340.43	17.81 S	33.08 E	-17.81	0.14
2437.00	0.56	208.78	2436.52	18.43 S	32.86 E	-18.43	0.38
2533.00	0.68	210.79	2532.52	19.33 S	32.34 E	-19.33	0.13
2629.00	0.70	203.66	2628.51	20.36 S	31.81 E	-20.36	0.09
2725.10	0.66	194.25	2724.60	21.43 S	31.44 E	-21.43	0.12
2821.10	0.57	187.89	2820.60	22.44 S	31.24 E	-22.44	0.12
2917.10	0.25	173.74	2916.60	23.12 S	31.20 E	-23.12	0.35
3013.10	0.06	46.28	3012.60	23.29 S	31.26 E	-23.29	0.30
3109.20	0.14	7.57	3108.70	23.14 S	31.31 E	-23.14	0.10
3205.20	0.06	19.92	3204.70	22.98 S	31.34 E	-22.98	0.09
3301.20	0.08	78.51	3300.70	22.92 S	31.42 E	-22.92	0.07
3397.30	0.26	93.54	3396.79	22.92 S	31.71 E	-22.92	0.19
3493.30	0.25	89.16	3492.79	22.93 S	32.13 E	-22.93	0.02
3589.30	0.22	89.13	3588.79	22.92 S	32.53 E	-22.92	0.03
3685.40	0.26	71.80	3684.89	22.85 S	32.92 E	-22.85	0.09
3781.40	0.24	78.86	3780.89	22.75 S	33.32 E	-22.75	0.04
3877.40	0.24	96.25	3876.89	22.73 S	33.72 E	-22.73	0.08
3973.40	0.22	109.55	3972.89	22.81 S	34.09 E	-22.81	0.06
4069.50	0.27	117.86	4068.99	22.98 S	34.47 E	-22.98	0.06
4165.50	0.27	86.51	4164.99	23.07 S	34.89 E	-23.07	0.15
4210.50	0.30	82.94	4209.99	23.05 S	35.12 E	-23.05	0.08
4258.00	0.64	114.33	4257.49	23.14 S	35.48 E	-23.14	0.87
4353.00	0.52	116.78	4352.48	23.56 S	36.35 E	-23.56	0.13
4448.00	0.74	127.39	4447.47	24.12 S	37.22 E	-24.12	0.26
4541.00	0.72	115.56	4540.47	24.74 S	38.23 E	-24.74	0.16

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	VERTICAL DEPTH	LATITUDE FEET	DEPARTURE FEET	VERTICAL SECTION	DOG LEG
4637.00	0.70	132.94	4636.46	25.40 S	39.20 E	-25.40	0.22
4733.00	0.63	131.66	4732.45	26.15 S	40.02 E	-26.15	0.07
4828.00	0.78	140.52	4827.45	27.00 S	40.83 E	-27.00	0.19
4923.00	0.79	141.67	4922.44	28.01 S	41.64 E	-28.01	0.02
5018.00	0.71	141.02	5017.43	28.98 S	42.42 E	-28.98	0.08
5114.00	0.77	145.97	5113.42	29.98 S	43.15 E	-29.98	0.09
5209.00	0.86	148.02	5208.41	31.11 S	43.89 E	-31.11	0.10
5319.00	1.12	153.31	5318.40	32.77 S	44.81 E	-32.77	0.25
5400.00	1.03	150.41	5399.38	34.11 S	45.52 E	-34.11	0.13
5492.00	0.85	156.26	5491.37	35.46 S	46.21 E	-35.46	0.22
5589.00	0.69	156.87	5588.36	36.65 S	46.73 E	-36.65	0.17
5685.00	0.70	137.48	5684.35	37.62 S	47.35 E	-37.62	0.24
5779.00	0.71	149.67	5778.35	38.54 S	48.03 E	-38.54	0.16
5872.00	0.62	155.04	5871.34	39.50 S	48.54 E	-39.50	0.12
5968.00	0.56	157.64	5967.33	40.40 S	48.93 E	-40.40	0.07
6064.00	0.55	174.26	6063.33	41.29 S	49.16 E	-41.29	0.17
6160.00	0.58	164.95	6159.33	42.22 S	49.33 E	-42.22	0.10
6254.00	0.64	161.42	6253.32	43.18 S	49.62 E	-43.18	0.08
6349.00	0.76	159.61	6348.31	44.27 S	50.01 E	-44.27	0.13
6443.00	0.68	164.86	6442.31	45.39 S	50.37 E	-45.39	0.11
6537.00	0.68	152.62	6536.30	46.43 S	50.77 E	-46.43	0.15
6634.00	0.68	162.13	6633.29	47.49 S	51.22 E	-47.49	0.12
6712.00	0.56	170.55	6711.29	48.30 S	51.42 E	-48.30	0.19
6824.00	0.44	163.62	6823.28	49.26 S	51.63 E	-49.26	0.12
6920.00	0.47	186.34	6919.28	50.00 S	51.69 E	-50.00	0.19
6999.00	0.46	183.77	6998.28	50.64 S	51.64 E	-50.64	0.03
7112.00	0.48	188.26	7111.27	51.56 S	51.54 E	-51.56	0.04
7208.00	0.50	213.10	7207.27	52.31 S	51.25 E	-52.31	0.22
7304.00	0.53	214.37	7303.27	53.03 S	50.77 E	-53.03	0.03
7396.00	0.74	212.20	7395.26	53.88 S	50.21 E	-53.88	0.23
7489.00	0.84	210.58	7488.25	54.98 S	49.55 E	-54.98	0.11
7594.00	0.84	181.44	7593.24	56.41 S	49.14 E	-56.41	0.40
7785.00	0.81	190.66	7784.22	59.13 S	48.85 E	-59.13	0.07
7975.00	0.28	124.16	7974.21	60.71 S	48.99 E	-60.71	0.39
8166.00	0.53	245.33	8165.21	61.35 S	48.57 E	-61.35	0.37
8357.00	0.37	101.32	8356.21	61.83 S	48.37 E	-61.83	0.45
8545.00	0.22	315.79	8544.21	61.70 S	48.72 E	-61.70	0.30
8703.00	0.58	349.78	8702.20	60.69 S	48.36 E	-60.69	0.26
8799.00	2.32	343.05	8798.17	58.35 S	47.71 E	-58.35	1.82
8895.00	4.44	356.52	8894.00	52.79 S	46.92 E	-52.79	2.34
8991.00	4.63	359.96	8989.70	45.20 S	46.69 E	-45.20	0.35
9087.00	3.61	337.96	9085.45	38.53 S	45.55 E	-38.53	1.94
9182.00	5.78	318.35	9180.14	32.18 S	41.25 E	-32.18	2.81
9275.00	6.69	327.18	9272.59	24.13 S	35.20 E	-24.13	1.42
9371.00	5.43	343.73	9368.06	15.06 S	30.90 E	-15.06	2.23
9464.00	5.53	334.75	9460.63	6.79 S	27.75 E	-6.79	0.93
9560.00	3.41	348.54	9556.34	0.20 N	25.21 E	0.20	2.46
9655.00	4.49	349.02	9651.11	6.61 N	23.94 E	6.62	1.14
9750.00	6.10	358.85	9745.70	15.31 N	23.13 E	15.31	1.94
9844.00	5.28	6.13	9839.24	24.61 N	23.50 E	24.61	1.16

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	VERTICAL DEPTH	LATITUDE FEET	DEPARTURE FEET	VERTICAL SECTION	DOG LEG
9939.00	3.33	25.90	9933.97	31.44 N	25.17 E	31.44	2.55
9970.00	3.01	25.65	9964.93	32.98 N	25.91 E	32.98	1.03
10066.00	3.06	6.61	10060.79	37.80 N	27.30 E	37.80	1.05
10162.00	3.97	359.36	10156.61	43.67 N	27.56 E	43.67	1.05
10257.00	3.66	12.69	10251.40	49.91 N	28.19 E	49.91	0.99
10353.00	5.75	8.71	10347.08	57.66 N	29.59 E	57.66	2.20
10449.00	6.35	356.81	10442.54	67.71 N	30.02 E	67.71	1.44
10543.00	5.65	346.16	10536.03	77.39 N	28.63 E	77.39	1.40
10637.00	4.68	348.76	10629.65	85.65 N	26.77 E	85.65	1.06
10732.00	5.80	347.07	10724.25	94.13 N	24.94 E	94.13	1.19
10827.00	4.73	356.00	10818.85	102.71 N	23.59 E	102.71	1.42
10923.00	5.21	353.86	10914.49	111.00 N	22.85 E	111.00	0.54
11019.00	4.50	351.18	11010.14	119.05 N	21.81 E	119.05	0.78
11115.00	3.81	2.29	11105.89	125.96 N	21.36 E	125.96	1.10
11179.00	3.30	12.66	11169.77	129.88 N	21.85 E	129.88	1.28
11250.00	3.30	12.66	11240.65	133.87 N	22.74 E	133.87	0.00

THE DOGLEG SEVERITY IS IN DEGREES PER 100.00 FEET
THE VERTICAL SECTION WAS COMPUTED ALONG 0.00 DEG (GRID)

BASED UPON MINIMUM CURVATURE TYPE CALCULATIONS. THE BOTTOM HOLE DISPLACEMENT IS 135.79 FEET, IN THE DIRECTION OF 9.64 DEG (GRID)

SURVEYS CORRECTED +8.327 DEG (EAST) FROM MAG. NORTH TO NAD27 NEW MEXICO STATE PLANE GRID NORTH. GYRODATA GYRO SURVEYS FROM 36.21' TO 4210'. SPERRY DRILLING SINGLE COLLARE SURVEYS FROM 4258' TO 11179'. TOT.MAG. FLD. = 49590nT , DIP = 60.856 DEG. FINAL SURVEY PROJECTED TO TD AT 11250'.
SPERRY DRILLING CREW: DONALD GUIDRY