

Tracy Ballouway
Domin Bazile

D.I.G.
MIDLAND, TEXAS

MAGNETIC DIRECTIONAL SURVEY
BY MINIMUM CURVATURE

FOR

* PLAINS PETROLEUM *

JOB NUMBER: M-3033

WELL NAME: BAYLUS CADE FEDERAL #6

LOCATION: LEA, NEW MEXICO

SURVEY DATE: 5-18-95

SURVEY ENGINEER: BILL LAMB

MAGNETIC DECLINATION: 09.00E

TIE-ON COORDINATES AT: 7400 M.D.
TAKEN FROM: GYRO

VERTICAL SECTION CALCULATED IN A
PROPOSAL DIRECTION OF: S00.00E
SURF. ELEVATION: R.K.B.

***** DEPTH MEASURED IN FEET *****
***** THIS DIRECTIONAL SURVEY REPORT IS *****
***** CORRECT TO THE BEST OF MY KNOWLEDGE *****
COMMENTS: M.M.S. START 7461 BOTTOM 9811* AND IS SUPPORTED BY ACTUAL FIELD DATA! *
HONDO DRILLING COMPANY **
**
**
** COMPANY REPRESENTATIVE **

Leas & Hallaway
Domin Bazile

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JOB NUMBER: M-3033

WELL NAME: BAYLUS CADE FEDERAL #6

INRUN SURVEY
 BY MINIMUM CURVATURE

MEAS. DEPTH	VERT. DEPTH	VERT. SECT.	L/R PROP.	INCL	BEARING	COORDINATES		D-LEG /100	C-LEG /CL	STATION DISP.	DISPLACEMENT DIRECTION
						LATITUDE	DEPARTURE				
7400.0	7397.52	82.21	0.000	02.00	N81.09W	31.43 S	75.95 W	0.00		82.21 AT	S67.52W
7461.0	7458.49	31.13	77.799	01.50	N80.00W	31.13 S	77.80 W	0.82	0.50	83.79 AT	S68.19W
7555.0	7552.45	30.64	80.419	01.75	N79.00W	30.64 S	80.42 W	0.27	0.25	86.06 AT	S69.14W
7649.0	7646.42	30.11	83.031	01.50	N78.00W	30.11 S	83.03 W	0.27	0.25	88.32 AT	S70.07W
7743.0	7740.37	29.51	85.839	02.00	N78.00W	29.51 S	85.84 W	0.53	0.50	90.77 AT	S71.03W
7837.0	7834.30	28.71	89.441	02.50	N77.00W	28.71 S	89.44 W	0.53	0.50	93.94 AT	S72.20W
7931.0	7928.19	27.70	93.835	03.00	N77.00W	27.70 S	93.84 W	0.53	0.50	97.54 AT	S73.56W
8025.0	8022.01	26.86	99.498	04.00	N85.00W	26.86 S	99.50 W	1.18	1.11	103.06 AT	S74.09W
8119.0	8115.77	28.41	105.959	04.50	860.00W	28.41 S	105.95 W	2.75	2.60	109.70 AT	S74.99W
8213.0	8209.43	34.16	111.406	05.50	830.00W	34.16 S	111.41 W	2.94	2.76	116.53 AT	S72.95W
8307.0	8302.98	42.95	113.145	06.00	806.00E	42.95 S	113.15 W	3.81	3.53	121.02 AT	S69.21W
8401.0	8396.44	52.66	110.383	06.50	925.00E	52.66 S	110.38 W	2.25	2.12	122.30 AT	S64.60W
8495.0	8489.66	63.07	104.362	08.25	934.00E	63.07 S	104.36 W	2.23	2.09	121.94 AT	S58.85W
8589.0	8582.59	74.90	96.635	09.00	932.00E	74.90 S	96.69 W	0.86	0.81	122.31 AT	S52.24W
8693.0	8675.30	88.06	88.473	10.00	932.00E	88.06 S	88.47 W	1.06	1.00	124.83 AT	S45.13W
8777.0	8767.73	102.58	79.396	11.00	932.00E	102.58 S	79.40 W	1.06	1.00	129.72 AT	S37.74W
8871.0	8855.24	118.20	69.038	12.00	935.00E	118.20 S	69.04 W	1.24	1.16	136.88 AT	S30.29W
8965.0	8951.70	134.43	57.454	12.50	936.00E	134.43 S	57.45 W	0.58	0.54	146.19 AT	S23.14W
9059.0	9043.38	151.10	45.112	13.00	937.00E	151.10 S	45.11 W	0.53	0.55	157.69 AT	S16.62W
9153.0	9134.68	168.54	32.456	13.50	935.00E	168.54 S	32.46 W	0.72	0.68	171.63 AT	S10.90W
9247.0	9226.29	186.83	20.349	13.50	932.00E	186.83 S	20.35 W	0.74	0.70	187.93 AT	S06.22W
9341.0	9317.69	205.54	8.893	13.50	931.00E	205.54 S	8.89 W	0.25	0.23	205.73 AT	S02.47W
9435.0	9409.14	224.27	-2.155	13.25	930.00E	224.27 S	2.15 E	0.36	0.34	224.28 AT	S00.55E
9529.0	9500.77	242.50	-12.473	12.50	929.00E	242.50 S	12.47 E	0.83	0.79	242.92 AT	S02.94E
9623.0	9592.63	259.94	-22.142	12.00	929.00E	259.94 S	22.14 E	0.53	0.50	260.88 AT	S04.87E
9717.0	9684.62	276.94	-31.373	11.75	928.00E	276.94 S	31.37 E	0.34	0.32	278.71 AT	S06.46E
9811.0	9776.63	293.66	-40.265	11.50	928.00E	293.66 S	40.27 E	0.27	0.25	296.41 AT	S07.81E

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 * THE HORIZONTAL DISPLACEMENT AT THE DEPTH OF *
 * ***** *
 * 9811.0 FEET EQUALS 296.41 FEET AT S07.81E *
 * ***** *

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