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D.I.G.
MIDLAND, TEXAS

Plains Petroleum Oper. Co

JOB NUMBER: M-3055

WELL NAME: B. C. HILL B FEDERAL #13

INRUN SURVEY
BY MINIMUM CURVATURE

34-24s-37e

30-025-32962

MEAS. DEPTH	VERT. DEPTH	VERT. SECT.	L/R PROP.	INCL	BEARING	COORDINATES		D-LEG /100	D-LEG /CL	STATION DISPLACEMENT	
						LATITUDE	DEPARTURE			DISP.	DIRECTION
7700.0	7697.25	10.67	0.000	02.00	N58.52E	19.81 N	82.63 E	0.00		84.97	AT N76.52E
7739.0	7736.22	11.34	85.675	02.50	N57.00E	20.63 N	83.92 E	1.29	0.50	86.42	AT N76.19E
7832.0	7829.13	13.07	89.343	02.50	N60.00E	22.75 N	87.38 E	0.14	0.13	90.29	AT N75.41E
7925.0	7922.02	15.02	93.354	03.00	N56.00E	25.12 N	91.16 E	0.58	0.54	94.55	AT N74.59E
8018.0	8014.87	17.54	97.923	03.50	N52.00E	28.23 N	95.41 E	0.59	0.55	99.50	AT N73.52E
8111.0	8107.69	21.16	102.607	03.75	N42.00E	32.24 N	99.68 E	0.73	0.68	104.77	AT N72.08E
8204.0	8200.48	26.14	106.210	04.00	N18.00E	37.58 N	102.72 E	1.75	1.63	109.38	AT N69.90E
8297.0	8293.29	31.93	107.656	03.50	N04.00W	43.50 N	103.52 E	1.63	1.51	112.29	AT N67.21E
8390.0	8386.05	38.54	106.985	04.75	N18.00W	50.00 N	102.14 E	1.72	1.60	113.72	AT N63.92E
8483.0	8478.60	47.33	104.599	06.50	N24.00W	58.47 N	98.80 E	1.98	1.84	114.81	AT N59.39E
8576.0	8570.89	57.62	99.605	07.75	N39.00W	68.15 N	92.72 E	2.40	2.23	115.07	AT N53.68E
8669.0	8662.93	68.00	91.324	08.75	N50.00W	77.57 N	83.35 E	2.00	1.86	113.86	AT N47.06E
8762.0	8754.78	78.61	81.363	09.25	N49.00W	87.02 N	72.29 E	0.56	0.52	113.13	AT N39.72E
8855.0	8846.47	90.12	70.916	10.00	N48.00W	97.33 N	60.65 E	0.83	0.77	114.68	AT N31.93E
8948.0	8937.88	103.22	59.989	11.25	N44.00W	109.26 N	48.35 E	1.56	1.45	119.48	AT N23.87E
9041.0	9028.89	118.13	47.871	12.50	N47.00W	122.65 N	34.68 E	1.50	1.39	127.46	AT N15.79E
9134.0	9119.50	133.98	34.220	13.50	N47.00W	136.92 N	19.38 E	1.08	1.00	138.28	AT N08.06E
9227.0	9209.79	151.01	19.821	14.25	N46.00W	152.27 N	3.21 E	0.85	0.79	152.30	AT N01.21E
9320.0	9299.88	168.89	5.221	14.50	N45.00W	168.45 N	13.26 W	0.38	0.35	168.98	AT N04.50W
9413.0	9389.97	187.50	-8.420	14.75	N40.00W	185.46 N	28.85 W	1.36	1.27	187.63	AT N08.84W
9506.0	9480.06	206.92	-20.893	14.50	N38.00W	203.40 N	43.37 W	0.60	0.56	207.97	AT N12.04W
9599.0	9570.05	227.30	-32.531	14.75	N34.00W	222.39 N	57.16 W	1.12	1.04	229.62	AT N14.41W
9692.0	9660.23	247.21	-42.582	13.00	N32.00W	241.08 N	69.33 W	1.95	1.81	250.85	AT N16.04W

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 * THE HORIZONTAL DISPLACEMENT AT THE DEPTH OF
 *
 * 9692.0 FEET EQUALS 250.85 FEET AT N16.04W
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