

DI DRIL, INC.
BAKERSFIELD, CALIF.
MAGNETIC DIRECTIONAL SURVEY
BY ANGLE AVERAGE METHOD

FOR

* NAHAMA & WEAGANT *

JOB NUMBER: B 6814
WELL NAME: KING 31-36-65
LOCATION: MIST OR
SURVEY DATE: 3 AUG 1993
SURVEY ENGINEER: RON STOCKTON
MAGNETIC DECLINATION: 20-00
TIE-ON COORDINATES AT: 50 M.D.

***** DEPTH MEASURED IN FEET *****
***** THIS DIRECTIONAL SURVEY REPORT IS ****
** CORRECT TO THE BEST OF MY KNOWLEDGE **
** AND IS SUPPORTED BY ACTUAL FIELD DATA! **
**
**
** COMPANY REPRESENTATIVE **

COMMENTS:

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DI DRIL, INC.
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INRUN SURVEY
BY ANGLE AVERAGE METHOD

MEAS. DEPTH	VERT. DEPTH	VERT. SECT.	L/R CLCS.	INCL	BEARING	COORDINATES LATITUDE DEPARTURE	D-LEG /100	D-LEG /CL	STATION DISP.	DISPLACEMENT DIRECTION
50.0	50.00	0.00	0.000	00-00	N48-00W	0.00 N 0.00 E	0.00		0.00	AT N00-00E
526.0	525.96	0.85	-6.173	01-30	N48-00W	4.17 N 4.63 W	0.32	1.50	6.23	AT N48-00W
586.0	585.94	0.96	-7.739	01-30	N55-00W	5.15 N 5.86 W	0.31	0.18	7.80	AT N48-42W
647.0	646.90	1.56	-9.782	02-30	N24-00W	6.79 N 7.21 W	2.36	1.44	9.91	AT N46-44W
708.0	707.83	3.45	-12.015	03-00	N07-00W	9.61 N 8.00 W	1.56	0.95	12.50	AT N39-46W
769.0	768.64	7.99	-13.549	05-00	N38-00E	14.22 N 6.72 W	7.24	4.42	15.73	AT N25-17W
861.0	859.10	24.51	-10.695	15-00	N50-00E	26.28 N 4.93 E	10.02	9.21	26.74	AT N10-37E
926.0	921.74	41.22	-5.956	16-00	N50-00E	37.45 N 18.24 E	1.54	1.00	41.65	AT N25-58E
988.0	981.03	58.86	-1.796	15-00	N45-00E	49.69 N 31.60 E	3.99	2.48	58.89	AT N32-27E
1051.0	1040.64	78.95	1.673	19-45	N43-00E	64.35 N 45.76 E	2.96	1.87	78.96	AT N35-25E
1113.0	1099.13	99.46	3.216	19-00	N34-00E	80.45 N 58.56 E	4.96	3.08	99.51	AT N36-03E
1238.0	1216.78	141.68	4.542	20-30	N38-00E	114.62 N 83.39 E	1.61	2.02	141.75	AT N36-02E
1433.0	1398.21	213.09	7.411	22-30	N35-00E	172.07 N 125.90 E	1.17	2.28	213.21	AT N36-12E
1621.0	1569.62	290.30	7.815	26-00	N34-00E	235.71 N 169.64 E	1.87	3.52	290.41	AT N35-45E
1808.0	1734.73	378.07	5.976	30-00	N32-00E	309.34 N 217.45 E	2.20	4.11	378.12	AT N35-06E
1901.0	1824.45	425.94	4.138	32-00	N32-00E	349.96 N 242.83 E	2.15	2.00	425.96	AT N34-45E
2118.0	1996.44	543.99	-1.430	34-00	N31-00E	450.73 N 304.59 E	0.96	2.07	543.99	AT N34-03E
2242.0	2098.94	613.67	-5.326	34-30	N31-00E	510.55 N 340.53 E	0.40	0.50	613.69	AT N33-42E
2427.0	2250.48	719.66	-10.324	35-30	N32-00E	601.02 N 395.97 E	0.62	1.15	719.74	AT N33-23E
2606.0	2398.44	820.36	-13.313	33-00	N33-00E	685.99 N 450.10 E	1.43	2.56	820.47	AT N33-16E
2790.0	2556.16	915.12	-14.470	29-00	N34-00E	765.01 N 502.41 E	2.19	4.03	915.24	AT N33-18E
2991.0	2733.22	1010.25	-13.142	27-30	N36-00E	842.94 N 556.97 E	0.88	1.77	1010.33	AT N33-27E
3053.0	2788.34	1038.62	-12.250	27-00	N36-00E	865.91 N 573.66 E	0.81	0.50	1038.70	AT N33-31E
3271.0	2982.79	1137.14	-10.015	26-45	N35-00E	946.14 N 630.89 E	0.24	0.52	1137.19	AT N33-42E
3615.0	3290.31	1291.27	-6.517	25-30	N36-00E	1071.65 N 720.41 E	0.15	0.51	1291.28	AT N33-55E
3987.0	3625.27	1452.75	-0.031	25-00	N37-00E	1201.56 N 816.54 E	0.42	1.56	1452.75	AT N34-12E

ZONE
@ 1146'

120.63 @ N36 3E

* THE HORIZONTAL DISPLACEMENT AT THE DEPTH OF *
* 3987.0 FEET EQUALS 1452.75 FEET AT N34-12E *

