

DI DRIL, INC.  
BAKERSFIELD, CALIF.

MAGNETIC DIRECTIONAL SURVEY  
BY ANGLE AVERAGE METHOD

FOR

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\* NAHAMA WEAGANT \*  
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JOB NUMBER: B 6820  
WELL NAME: KOKENEE 32-15-65  
LOCATION: MIST OR  
SURVEY DATE: 16 NOV 1993  
SURVEY ENGINEER: RON STOCKTON  
MAGNETIC DECLINATION: 16-00

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\*\*\*\*\* 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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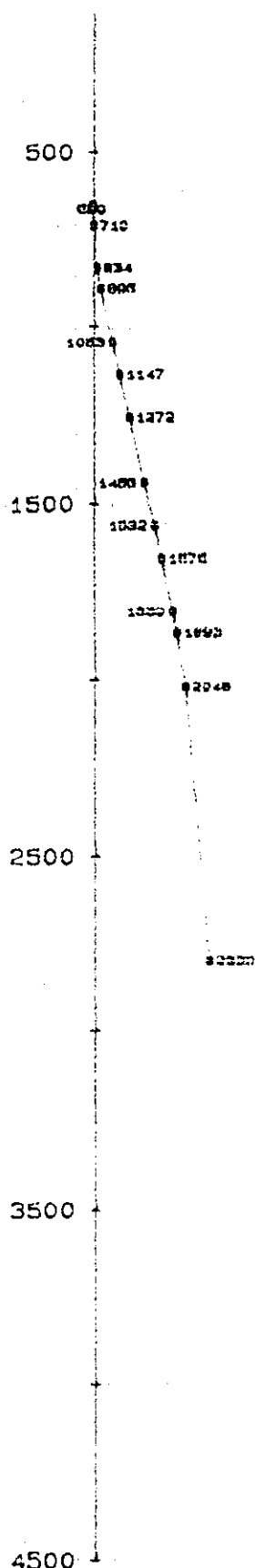
JOB NUMBER: B 6820

WELL NAME: KOKENEE 32-15-65

INRUN SURVEY  
BY ANGLE AVERAGE METHOD

MEAS. DEPTH	VERT. DEPTH	VERT. SECT.	L/R CLOS.	INCL	BEARING	COORDINATES		D-LEG /100	D-LEG /100	STATION DISP.	DISP. DIRECTION
						LATITUDE	DEPARTURE				
650.0	649.99	-2.63	1.072	01-30	S05-00W	2.83 S	0.25 W	0.03	0.50	2.34	AT S05-00W
710.0	709.99	-2.47	1.975	01-15	N30-00E	3.10 S	0.53 E	2.36	1.72	3.16	AT S11-26E
834.0	833.52	8.34	2.029	03-45	N25-00E	6.49 N	5.62 E	6.05	7.51	8.58	AT N40-54E
896.0	894.55	19.23	1.702	11-30	N26-00E	16.32 N	10.31 E	4.44	2.76	19.51	AT N32-17E
1053.0	1043.19	51.45	-0.573	12-15	N20-00E	46.06 N	22.93 E	0.92	1.44	51.45	AT N26-28E
1147.0	1140.01	71.41	-3.378	12-30	N19-00E	65.05 N	29.66 E	0.35	0.33	71.49	AT N24-31E
1272.0	1261.92	98.56	-3.271	13-00	N15-00E	91.43 N	37.72 E	0.81	1.01	98.91	AT N22-25E
1458.0	1442.88	140.61	-17.376	13-45	N15-00E	132.99 N	48.86 E	0.40	0.75	141.68	AT N20-10E
1582.0	1553.32	169.62	-23.109	13-45	N17-00E	161.32 N	56.98 E	0.33	0.48	171.09	AT N19-27E
1676.0	1655.10	189.71	-25.555	11-15	N23-00E	180.44 N	63.94 E	2.99	2.91	171.44	AT N19-31E
1930.0	1805.97	220.03	-27.369	11-30	N25-00E	209.19 N	76.30 E	0.30	0.47	221.73	AT N20-08E
1893.0	1867.97	231.78	-27.516	12-00	N23-00E	219.71 N	81.54 E	2.54	1.60	233.41	AT N20-27E
2048.0	2021.11	255.61	-25.522	07-45	N36-00E	239.99 N	94.21 E	1.65	2.56	256.83	AT N21-31E
2835.0	2804.91	322.94	0.030	02-45	N60-00E	287.17 N	147.73 E	0.68	5.36	322.94	AT N27-13E

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\* THE HORIZONTAL DISPLACEMENT AT THE DEPTH OF \*  
\* 2835.0 FEET EQUALS 322.94 FEET AT N27-13E \*  
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DI DRIL, INC.  
VERTICAL PROJECTION  
FOR  
NAHAMA WEAGANT  
WELL NAME: KOKENEE 32-15-65  
JOB NUMBER: B 6820  
DATE: 16 NOV 1993  
SCALE: 500 FT./INCH