

MAGNETIC DIRECTIONAL SURVEY
BY ANGLE AVERAGE METHOD

FOR

* NAHAMA & WEAGANT ENERGY CO *

JOB NUMBER: B 6816
WELL NAME: JR BURGER RD 1
LOCATION: MIST OR
SURVEY DATE: 19 AUG 1993
SURVEY ENGINEER: RON STOCKTON
MAGNETIC DECLINATION: 15.00E
TIE-ON COORDINATES AT: 500 M.D.

Retired

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

COMMENTS:

***** COMPANY REPRESENTATIVE *****

PAGE:

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INRUN SURVEY
BY ANGLE AVERAGE METHOD

MEAS. DEPTH	VERT. DEPTH	VERT. SECT.	L/R CLOS.	INCL.	BEARING	COORDINATES		D-LEG /100	D-LEG /CL	STATION DISP.	DISPLACEMENT DIRECTION
						LATITUDE	DEPARTURE				
500.0	0.00	0.00	0.000	00-00	S02-00W	0.00 N	0.00 E	0.00		0.00	AT N00-00E
565.0	65.00	-0.21	0.193	00-30	S02-00W	0.28 S	0.01 W	0.77	0.50	0.28	AT S02-00W
1082.0	581.96	-6.94	-0.540	01-00	N80-00W	4.54 S	5.27 W	0.23	1.18	6.96	AT S49-14W
1143.0	642.94	-6.39	-1.900	01-45	N33-00E	3.20 S	5.85 W	3.82	2.33	6.67	AT S61-20W
1205.0	704.80	-2.28	-2.684	06-00	N35-00E	0.27 N	3.51 W	6.86	4.25	3.52	AT N85-32W
1268.0	767.26	5.80	-4.222	09-00	N33-00E	7.09 N	1.09 E	4.78	3.01	7.17	AT N08-44E
1331.0	829.30	16.51	-6.457	11-00	N33-00E	16.27 N	7.05 E	3.17	2.00	17.73	AT N23-25E
1394.0	890.92	29.35	-9.019	13-00	N34-00E	27.19 N	14.28 E	3.19	2.01	30.71	AT N27-42E
1558.0	1049.43	70.96	-15.448	16-45	N38-00E	61.25 N	39.02 E	2.37	3.89	72.62	AT N32-30E
1620.0	1108.64	89.22	-17.620	17-45	N38-00E	75.74 N	50.34 E	1.61	1.00	90.94	AT N33-37E
1683.0	1168.51	108.73	-19.424	18-30	N41-00E	90.86 N	62.81 E	1.90	1.20	110.46	AT N34-39E
1861.0	1337.07	165.90	-21.704	19-00	N44-00E	133.04 N	101.46 E	0.61	1.09	167.32	AT N37-20E
1993.0	1461.59	209.69	-21.920	19-45	N45-00E	164.28 N	132.16 E	0.62	0.82	210.84	AT N38-49E
2181.0	1636.66	278.16	-19.270	23-00	N49-00E	211.01 N	182.27 E	1.89	3.56	278.83	AT N40-49E
2395.0	1831.39	366.61	-11.973	26-00	N50-00E	268.64 N	249.75 E	1.42	3.03	366.80	AT N42-55E
2882.0	2248.83	617.15	-0.085	36-00	N45-00E	438.10 N	434.68 E	2.12	10.32	617.15	AT N44-47E

* THE HORIZONTAL DISPLACEMENT AT THE DEPTH OF *
* ***** *
* 2882.0 FEET EQUALS 617.15 FEET AT N44-47E *
* ***** *

