

DI DRILL
SURVEY REPORT

Problem: 3120-54S
Description: ENERFIN RESOURCES
Location: OREGON
Well Number: JH # 31-20-54

Date: 09/30/1996

Time: 10:29

Page: 1

Surface Location

Slot		LAMBERT X	0.0 ft	Location	ONSHORE
N+/-S	0.0 ft	LAMBERT Y	0.0 ft	RKB Wellhead	0.0 ft
E+/-W	0.0 ft	FNL	0.0 ft	RKB MGL	0.0 ft
Latitude	0.000000 deg N	FEL	0.0 ft	RKB MSL	0.0 ft
Longitude	0.000000 deg E			Water Depth	0.0 ft
				RKB Mudline	0.0 ft

SURVEY (REFERENCED TO WELLHEAD COORDINATES)

PLANNED AZIMUTH		S40.00E											
MD	INCL	DIREC	TVD	VERT SECT	CLOS DIST	CLOS DIREC	+N / -S	+E / -W	DLS	BUILD	WALK		
ft	deg	quad	ft	ft	ft	quad	ft	ft	d/100ft	d/100ft	d/100ft		
495.0	0.00	N 0.00E	495.0	0.0	0.0	N 0.00E	0.0	0.0	0.00	0.00	0.00		
601.0	4.50	S46.00E	600.9	4.1	4.2	S46.00E	-2.9	3.0	4.25	4.25	0.00		
691.0	9.50	S50.00E	690.2	15.0	15.1	S47.97E	-10.1	11.2	5.58	5.56	-4.44		
878.0	13.75	S36.00E	873.4	52.4	52.5	S43.52E	-38.0	36.1	2.71	2.27	7.49		
1004.0	15.00	S39.00E	995.4	83.6	83.6	S41.30E	-62.8	55.2	1.15	0.99	-2.38		
1129.0	16.25	S42.00E	1115.8	117.3	117.3	S41.09E	-88.4	77.1	1.19	1.00	-2.40		
1257.0	19.75	S45.00E	1237.5	156.7	156.8	S41.73E	-117.0	104.4	2.83	2.73	-2.34		
1352.0	20.50	S38.00E	1326.7	189.3	189.4	S41.68E	-141.5	126.0	2.65	0.79	7.37		
1523.0	22.00	S39.00E	1486.1	251.3	251.3	S40.90E	-190.0	164.5	0.90	0.88	-0.58		
1650.0	22.25	S40.00E	1603.7	299.1	299.1	S40.68E	-226.9	195.0	0.36	0.20	-0.79		
1810.0	21.50	S38.00E	1752.2	358.7	358.7	S40.40E	-273.2	232.5	0.66	-0.47	1.25		
1958.0	21.50	S34.00E	1889.9	412.8	412.8	S39.82E	-317.0	264.4	0.99	0.00	2.70		
2436.0	20.75	S31.00E	2335.8	583.5	584.0	S37.68E	-462.2	357.0	0.28	-0.16	0.63		