

Results of Directional Survey

API number:	30-025-38785		
OGRID:		Operator:	CHEVRON U S A INC
		Property:	VACUUM GBSA UNIT # 438

surface	ULSTR:	A	01	T 18S	R 34E
			10	FNL	420 FEL

BH Loc	ULSTR:	A	01	T 18S	R 34E
			30	FNL	678 FEL

Top Perf/OH	ULSTR:	A	01	T 18S	R 34E
	4326		37	FNL	568 FEL

Bot Perf/OH	ULSTR:	A	01	T 18S	R 34E
	4395		37	FNL	579 FEL

	MD	N/S	E/W	VD
	4290	-27.59	-141.67	4278.66
TOP PERFS/OH	4326	-27.39	-147.51	4314.18
	4385	-27.06	-157.08	4372.40
	4385	-27.06	-157.08	4372.40
BOT PERFS/OH	4395	-27.00	-158.70	4382.27
	4480	-26.53	-172.45	4466.14

NEXT TO LAST	4860	-22.73	-232.55	4841.34
LAST READING	4955	-21.28	-247.38	4935.16
TD	5020	-20.29	-257.53	4999.35

Surface Location	10	FN	420	FE
Projected BHL	30	FN	678	FE
Location of				
Top Perfs/OH	37	FN	568	FE
Bottom Perfs/OH	37	FN	579	FE

SUMMARY of Subsurface Locations

Surface Location	A-01-18S-34E	10	FN	420	FE	Vert. Depth
Top Perfs/OH	A-01-18S-34E	37	FN	568	FE	4314.18
Bottom Perfs/OH	A-01-18S-34E	37	FN	579	FE	4382.27
Projected TD	A-01-18S-34E	30	FN	678	FE	4999.35