

Results of Directional Survey

API number:	30-025-38641		
OGRID:		Operator:	CHEVRON U S A INC
		Property:	CENTRAL VACUUM UNIT # 459

surface	ULSTR:	D	31	T 17S	R 35E
			1050	FNL	566
				FWL	

BH Loc	ULSTR:	D	31	T 17S	R 35E
			1307	FNL	655
				FWL	

Top Perf/OH	ULSTR:	D	31	T 17S	R 35E
			4367	1208	FNL
				618	FWL

Bot Perf/OH	ULSTR:	D	31	T 17S	R 35E
			4822	1279	FNL
				644	FWL

	MD	N/S	E/W	VD
	4286	-145.18	47.39	4274
TOP PERFS/OH	4367	-158.01	52.39	4353.83
	4382	-160.38	53.31	4368.61
	4574	-190.38	64.28	4557.93
BOT PERFS/OH	4822	-228.62	78.29	4802.58
	4665	-204.41	69.42	4647.70

NEXT TO LAST	4574	-190.38	64.28	4557.93
LAST READING	4665	-204.41	69.42	4647.70
TD	5005	-256.83	88.62	4983.10

Surface Location	1050	FN	566	FW
Projected BHL	1307	FN	655	FW
Location of				
Top Perfs/OH	1208	FN	618	FW
Bottom Perfs/OH	1279	FN	644	FW

SUMMARY of Subsurface Locations

Surface Location	D-31-17S-35E	1050	FN	566	FW	Vert. Depth
Top Perfs/OH	D-31-17S-35E	1208	FN	618	FW	4353.83
Bottom Perfs/OH	D-31-17S-35E	1279	FN	644	FW	4802.58
Projected TD	D-31-17S-35E	1307	FN	655	FW	4983.10