

Results of Directional Survey

API number:	30-025-39765		
OGRID:		Operator:	CONOCOPHILLIPS COMPANY
		Property:	MCA UNIT # 470

surface	ULSTR:	H	33	T	17S	R	32E
				1830	FNL	1310	FEL

BH Loc	ULSTR:	H	33	T	17S	R	32E
4618	MD	4614.8	TVD	1694	FNL	1304	FEL

Top Perf/OH	ULSTR:	H	33	T	17S	R	32E
3964	MD	3961.6	TVD	1729	FNL	1299	FEL

Bot Perf/OH	ULSTR:	H	33	T	17S	R	32E
4067	MD	4064.4	TVD	1723	FNL	1299	FEL

	MD	N/S	E/W	VD
	3900	97.50	11.70	3897.7
TOP PERFS/OH	3964	101.21	11.32	3961.57
	4000	103.30	11.10	3997.50
	4000	103.30	11.10	3997.50
BOT PERFS/OH	4067	107.32	10.56	4064.43
	4100	109.30	10.30	4097.40

NEXT TO LAST	4500	130.30	6.70	4496.80
LAST READING	4525	131.50	6.50	4521.80
TD	4618	135.96	5.76	4614.80

Surface Location	1830	FN	1310	FE
Projected BHL	1694	FN	1304	FE
Location of				
Top Perfs/OH	1729	FN	1299	FE
Bottom Perfs/OH	1723	FN	1299	FE

SUMMARY of Subsurface Locations

Surface Location	H-33-17S-32E	1830	FN	1310	FE	Vert. Depth
Top Perfs/OH	H-33-17S-32E	1729	FN	1299	FE	3961.57
Bottom Perfs/OH	H-33-17S-32E	1723	FN	1299	FE	4064.43
Projected TD	H-33-17S-32E	1694	FN	1304	FE	4614.80