

Results of Directional Survey

API number:	30-025-41811		
OGRID:		Operator:	CHEVRON U S A INC
		Property:	GRAMMA RIDGE 14 24 34 # 1H

surface	ULSTR:	B	14	T 24S	R 34E
				330 FNL	2300 FEL

BH Loc	ULSTR:	O	14	T 24S	R 34E
15643 MD		11252.2	TVD	305 FSL	1921 FEL
				4975 FNL	

Top Perf/OH	ULSTR:	B	14	T 24S	R 34E
11509 MD		11192.2	TVD	856 FNL	2215 FEL

Bot Perf/OH	ULSTR:	O	14	T 24S	R 34E
15511 MD		11256.3	TVD	435 FSL	1939 FEL
				4845 FNL	

	MD	N/S	E/W	VD
	11502.00	-518.76	84.87	11191.31
TOP PERFS/OH	11509.00	-525.69	85.32	11192.17
	11547.00	-563.32	87.76	11196.85
	15439.00	-4443.18	352.59	11256.76
BOT PERFS/OH	15511.00	-4514.65	361.28	11256.33
	15544.00	-4547.40	365.26	11256.13

NEXT TO LAST	15611.00	-4613.72	374.47	11253.75
LAST READING	15663.00	-4665.13	381.89	11251.23
TD	15643.00	-4645.36	379.04	11252.20

Surface Location	330	FN	2300	FE
Projected BHL	4975	FN	1921	FE
Location of				
Top Perfs/OH	856	FN	2215	FE
Bottom Perfs/OH	4845	FN	1939	FE

SUMMARY of Subsurface Locations

Surface Location	B-14-24S-34E	330	FN	2300	FE	Vert. Depth
Top Perfs/OH	B-14-24S-34E	856	FN	2215	FE	11192.17
Bottom Perfs/OH	O-14-24S-34E	4845	FN	1939	FE	11256.33
Projected TD	O-14-24S-34E	4975	FN	1921	FE	11252.20

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