

Results of Directional Survey

API number:	30-025-41621		
OGRID:		Operator:	BTA OIL PRODUCERS, LLC
		Property:	VACA DRAW 9418 JV-P # 2H

surface	ULSTR:	A	10	T 25S	R 33E
				190 FNL	330 FEL

BH Loc	ULSTR:	P	10	T 25S	R 33E
14018	MD	9461.3	TVD	372 FSL	362 FEL
				4908 FNL	

Top Perf/OH	ULSTR:	A	10	T 25S	R 33E
9632	MD	9471.5	TVD	533 FNL	324 FEL

Bot Perf/OH	ULSTR:	P	10	T 25S	R 33E
13939	MD	9463.2	TVD	450 FSL	363 FEL
				4830 FNL	

	MD	N/S	E/W	VD
	9600.00	-312.50	11.90	9462.20
TOP PERFS/OH	9632.00	-342.70	6.50	9471.50
	9632.00	-342.70	6.50	9471.50
	13932.00	-4632.50	-32.70	9463.40
BOT PERFS/OH	13939.00	-4639.50	-32.62	9463.23
	13969.00	-4669.50	-32.30	9462.50

NEXT TO LAST	13969.00	-4669.50	-32.30	9462.50
LAST READING	14018.00	-4718.40	-31.70	9461.30
TD	14018.00	-4718.40	-31.70	9461.30

Surface Location	190	FN	330	FE
Projected BHL	4908	FN	362	FE
Location of				
Top Perfs/OH	533	FN	324	FE
Bottom Perfs/OH	4830	FN	363	FE

SUMMARY of Subsurface Locations

Surface Location	A-10-25S-33E	190	FN	330	FE	Vert. Depth
Top Perfs/OH	A-10-25S-33E	533	FN	324	FE	9471.50
Bottom Perfs/OH	P-10-25S-33E	4830	FN	363	FE	9463.23
Projected TD	P-10-25S-33E	4908	FN	362	FE	9461.30