

Results of Directional Survey

DD

API number:	30-025-41924		
OGRID:		Operator:	CONOCOPHILLIPS COMPANY
		Property:	GARNET FEDERAL # 5

surface	ULSTR:	P	15	T 17S	R 32E
				869 FSL	1084 FEL

BH Loc	ULSTR:	P	15	T 17S	R 32E
7102 MD			7063.5 TVD	355 FSL	940 FEL

Top Perf/OH	ULSTR:	P	15	T 17S	R 32E
5606 MD			5568.4 TVD	401 FSL	960 FEL

Bot Perf/OH	ULSTR:	P	15	T 17S	R 32E
6758 MD			6719.6 TVD	362 FSL	945 FEL

	MD	N/S	E/W	VD
	5559.00	-464.63	122.90	5521.51
TOP PERFS/OH	5606.00	-467.51	123.53	5568.41
	5648.00	-470.08	124.10	5610.33
	6721.00	-506.03	139.01	6682.59
BOT PERFS/OH	6758.00	-506.87	139.48	6719.58
	6810.00	-508.06	140.15	6771.56

NEXT TO LAST	7051.00	-513.33	142.99	7012.48
LAST READING	7102.00	-514.47	143.51	7063.47
TD	7102.00	-514.47	143.51	7063.47

Surface Location	869 FS	1084 FE
Projected BHL	355 FS	940 FE
Location of		
Top Perfs/OH	401 FS	960 FE
Bottom Perfs/OH	362 FS	945 FE

SUMMARY of Subsurface Locations

Surface Location	P-15-17S-32E	869 FS	1084 FE	Vert. Depth
Top Perfs/OH	P-15-17S-32E	401 FS	960 FE	5568.41
Bottom Perfs/OH	P-15-17S-32E	362 FS	945 FE	6719.58
Projected TD	P-15-17S-32E	355 FS	940 FE	7063.47

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