

Results of Directional Survey

API number:	30-025-39887		
OGRID:		Operator:	CIMAREX ENERGY CO. OF COLORADO
		Property:	STATE HH # 3H

surface	ULSTR:	D	36	T 19S	R 32E
				560 FNL	330 FWL

BH Loc	ULSTR:	A	36	T 19S	R 32E
14554	MD	9899.5	TVD	544 FNL	4937 FWL

Top Perf/OH	ULSTR:	D	36	T 19S	R 32E
9802	MD	9792.6	TVD	484 FNL	266 FWL

Bot Perf/OH	ULSTR:	A	36	T 19S	R 32E
14489	MD	9899.7	TVD	555 FNL	4873 FWL

	MD	N/S	E/W	VD
	9794	76.00	-68.90	9786
TOP PERFS/OH	9802	76.25	-64.40	9792.63
	9826	77.00	-50.90	9812.50
	14399	-9.00	4453.90	9900.00
BOT PERFS/OH	14489	5.27	4542.75	9899.71
	14493	5.90	4546.70	9899.70

NEXT TO LAST	14493	5.90	4546.70	9899.70
LAST READING	14545.4	14.80	4598.40	9899.50
TD	14554	16.26	4606.89	9899.47

Surface Location	560 FN	330 FW
Projected BHL	544 FN	4937 FW
Location of		
Top Perfs/OH	484 FN	266 FW
Bottom Perfs/OH	555 FN	4873 FW

SUMMARY of Subsurface Locations

Surface Location	D-36-19S-32E	560 FN	330 FW	Vert. Depth
Top Perfs/OH	D-36-19S-32E	484 FN	266 FW	9792.63
Bottom Perfs/OH	A-36-19S-32E	555 FN	4873 FW	9899.71
Projected TD	A-36-19S-32E	544 FN	4937 FW	9899.47

JUN 14 2011

cat