

Results of Directional Survey

API number:	30-025-41537		
OGRID:		Operator:	COG OPERATING LLC
		Property:	DOS ABUELOS FEE # 2H

surface	ULSTR:	D	20	T	18S	R	34E
				190	FNL	990	FWL

BH Loc	ULSTR:	M	20	T	18S	R	34E
14437	MD	9904.7	TVD	325	FSL	453	FWL
4955 FNL							

Top Perf/OH	ULSTR:	D	20	T	18S	R	34E
9974	MD	9748.5	TVD	523	FNL	902	FWL

Bot Perf/OH	ULSTR:	M	20	T	18S	R	34E
14359	MD	9904.8	TVD	403	FSL	457	FWL
4877 FNL							

	MD	N/S	E/W	VD
	9942	-302.68	-82.37	9739.67
TOP PERFS/OH	9974	-332.94	-87.82	9748.51
	9974	-332.94	-87.82	9748.51
	14330	-4658.06	-530.48	9904.58
BOT PERFS/OH	14359	-4687.04	-533.22	9904.83
	14391	-4719.02	-536.24	9905.11

NEXT TO LAST	14391	-4719.02	-536.24	9905.11
LAST READING	14437.00	-4765.01	-537.20	9904.71
TD	14437	-4765.01	-537.20	9904.71

Surface Location	190	FN	990	FW
Projected BHL	4955	FN	453	FW
Location of				
Top Perfs/OH	523	FN	902	FW
Bottom Perfs/OH	4877	FN	457	FW

SUMMARY of Subsurface Locations

Surface Location	D-20-18S-34E	190	FN	990	FW	Vert. Depth
Top Perfs/OH	D-20-18S-34E	523	FN	902	FW	9748.51
Bottom Perfs/OH	M-20-18S-34E	4877	FN	457	FW	9904.83
Projected TD	M-20-18S-34E	4955	FN	453	FW	9904.71

OCT 31 2014