

Results of Directional Survey

1 st Lateral Abandoned

API number:	30-025-39404	1ST LAT
OGRID:		Operator: CAZA OPERATING LLC
		Property: MOORE COWBELL 27 STATE # 1H

surface	ULSTR: P	27	T 12S	R 32E
		660 FSL	990 FEL	

BH Loc	ULSTR: O	27	T 12S	R 32E
		548 FSL	1619 FEL	

Top Perf/OH	ULSTR: P	27	T 12S	R 32E
	8273	537 FSL	970 FEL	

Bot Perf/OH	ULSTR: O	27	T 12S	R 32E
	9145	548 FSL	1619 FEL	

	MD	N/S	E/W	VD
	8200	-123.07	28.20	8197.67
TOP PERFS/OH	8273	-122.65	19.51	8269.90
	8364	-122.13	8.67	8359.95
	9081	-112.77	-565.14	8684.89
BOT PERFS/OH	9145	-112.43	-629.06	8687.77
	9113	-112.60	-597.10	8686.33

NEXT TO LAST	9081	-112.77	-565.14	8684.89
LAST READING	9113	-112.60	-597.10	8686.33
TD	9145	-112.43	-629.06	8687.77

Surface Location	660 FS	990 FE
Projected BHL	548 FS	1619 FE
Location of		
Top Perfs/OH	537 FS	970 FE
Bottom Perfs/OH	548 FS	1619 FE

SUMMARY of Subsurface Locations

Surface Location	P-27-12S-32E	660 FS	990 FE	Vert. Depth
Top Perfs/OH	P-27-12S-32E	537 FS	970 FE	8269.90
Bottom Perfs/OH	O-27-12S-32E	548 FS	1619 FE	8687.77
Projected TD	O-27-12S-32E	548 FS	1619 FE	8687.77