

Results of Directional Survey

2 nd Lateral Abandoned

API number:	30-025-39404	2ND 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
			596	FSL		1982	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
		9494		596	FSL		1982
						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
	9430	-64.88	-928.37	8704.50
BOT PERFS/OH	9494	-63.60	-992.29	8702.00
	9462	-64.24	-960.33	8703.25

NEXT TO LAST	9430	-64.88	-928.37	8704.50
LAST READING	9462	-64.24	-960.33	8703.25
TD	9494	-63.60	-992.29	8702.00

Surface Location	660	FS	990	FE
Projected BHL	596	FS	1982	FE
Location of				
Top Perfs/OH	537	FS	970	FE
Bottom Perfs/OH	596	FS	1982	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	596	FS	1982	FE	8702.00
Projected TD	O-27-12S-32E	596	FS	1982	FE	8702.00