



Swordfish 13-31 Plan Version 1
Drawn by Eric Trant

PINE RIDGE OIL & GAS				Well		SWORDFISH 13-31		Rig		CAPSTAR 312			
JOB # DD COMPANY NATIVE NAVIGATION LOCATION FLORENCE, CO AFE/API # DATE Sunday, September 25, 2011				Northing, ft 1188237.87		Latitude 38.349677		Units Feet					
				Easting, ft 3097619.88		Longitude -105.15965		Slot					
				Elevation, ft 5664.00		TVD Ref RKB of 11'							
				Mag Date 15-Oct-2011		Decl., ° 8.83		Vert. Sect, ° 132					
				Field Str, nT 51942.10		Dip Angle, ° 65.28		Map System Nad 83					
										Map Zone CO Central			
Targets		Type		TVD	MD	Displ.	+N/S-	+E/W-	Radius				
End Build		Target #1 Radius		3629.97	4110.90	842.57	-563.79	626.15	5.00				
Target		Target #2 Radius		3629.97	4340.00	1071.67	-717.09	796.41	75.00				
Swordfish 13-31 Plan													
No.		MD	CL	Inc.	Azi.	TVD	VS	+N/S-	+E/W-	BR	WR	DLS	Comments
1		0.00	0.00	0.00	132.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL	
2		2787.40	87.40	0.00	132.00	2787.40	0.00	0.00	0.00	0.00	0.00	0.00 Build 6.8°/100'	
3		4110.90	10.90	90.00	132.00	3629.97	842.57	-563.79	626.15	6.80	0.00	6.80 Hold	
4		5782.00	82.00	90.00	132.00	3629.96	2513.67	-1681.97	1868.02	0.00	0.00	0.00 PBHL	

