

## Drilling Prognosis Yates Petroleum

### Carper Macalester ATE State #1 (Re-Entry) Sec. 25 11S-34E, 660' N & 1,650' W Lea County, NM, 12,400' Morrow

#### Drilling Program

Hole Size		Casing Program			
Size	Depth To	Size	#'s/ft	Depth	Cement
17 1/2"	357'	13 3/8"*	48	357'	350 sx
12 1/4"	1239'	8 5/8"*	24	0'-1239'	750 sx
12 1/4"	4075'	9 5/8"*	36	1200'-4075'	300 sx
7.875"	12400'	4 1/2"	11.6	12400'	350 sx

\*NOTE: Surface and intermediate strings are already in place. 9 5/8" intermediate was originally set from 0'-4,075'. It was later cut off at 1,200'. In a previous re-entry attempt, 8 5/8" was set at 1,239' (39' inside the 9 5/8" stub). Please see wellbore sketch for more information.

#### Procedure:

This well is a re-entry. YPC plans to move in a drilling rig, drill out the plugs from 307'-407', and 4,025'-4,125'. The top of plug #3 (5,450') will be the kick-off plug.

If this plug is in poor condition a cement slurry with a satisfactory compressive strength for a kick-off plug will be set at 5,450'. The well will be sidetracked and returned to vertical to drill to a total depth of 12,400'. If well looks productive, 4 1/2" casing will be set and cemented (TOC=11,000') and well will be stimulated as needed for production.

#### BOP Program:

5,000 psi system nipped up on 8 5/8" casing.

BOP Schematic BOP-4, Location: PB-L1

#### Mud Program

Depth		Type	Weight
From			
0'	5450'	CUT BRINE/SALT GEL Vis: 28-36    WL: N/C	8.9-9.1
5450'	7700'	CUT BRINE Vis: 28    WL:	8.9-9.1
9600'	12400'	SALT GEL, STARCH Vis: 34-38    Oil: 1-3%	9.4-10 WL: <12CC