

Piceance Energy, LLC
Piceance 28-02W
Slot A-2
Patterson 306 (22-ft KB)

API # : 05-077-09770-00
SW/4 NW/4 S28/T9S/R93W/6th PM
Mesa County, CO
Date of diagram : 9/22/2015

Vertical datum ----- 7578' RKB Elevation



8-5/8" Shoe

11" Hole

1599 -ft MD RKB

1609 -ft MD RKB

Formation	Prognosis
'G' Sand	2900 -ft MD RKB
Williams Fork	4801 -ft MD RKB
Top of Gas	6021 -ft MD RKB
Cameo	7121 -ft MD RKB
Base Cameo Coal	7779 -ft MD RKB
Rollins	7821 -ft MD RKB

Top of 20'
Marker Joint

6387 -ft MD RKB

Top of 20'
Marker Joint

7192 -ft MD RKB

4-1/2" Float Collar (PBTD)

4-1/2" Float Shoe

7-7/8" Hole TD

7990 -ft MD RKB

8081 -ft MD RKB

8091 -ft MD RKB

Cementing details

8-5/8" 24# J55 STC Surface Csg

Lead	Tail
Density (ppg)	12.8
Volume (sx)	120
Yield (cf/sx)	2.17
Top (ft RKB)	1000
Bottom (ft RKB)	1599
Returns (full or partial)	Full

4-1/2" 11.6# I80 LTC Production Csg

Lead	Tail	Displacement
Density (ppg)	13.3	8.3 ppg
Volume (sx)	413	124 bbls
Yield (cf/sx)	1.89	N/A
Est Top (ft RKB)	5821	N/A
Est Bottom (ft RKB)	8081	N/A
Returns (full or partial)	Full	Full

Other Remarks :

Surface = 17 bbls of cmt to surface full returns
= 30 bbls cement to surface

Production