

Piceance Energy, LLC
Gunderson 29-14E
Slot B-8
Patterson 306 (22-ft KB)

API # : 05-077-10230-00
SE/4 NE/4 S29/T9S/R93W/6th PM
Mesa County, CO
Date of diagram : 5/4/2015

Vertical datum ----- 7553' RKB Elevation

7531' Pad Elevation

16" OD Conductor 82 -ft MD RKB
(in 26" hole, grouted to ground level)

8-5/8" Shoe 1538 -ft MD RKB
11" Hole 1548 -ft MD RKB

Formation	Prognosis
'G' Sand	2751 -ft MD RKB
Williams Fork	4641 -ft MD RKB
Top of Gas	5858 -ft MD RKB
Cameo	6958 -ft MD RKB
Base Cameo Coal	7616 -ft MD RKB
Rollins	7658 -ft MD RKB

Top of 20'
Marker Joint 5948 -ft MD RKB

Top of 20'
Marker Joint 6854 -ft MD RKB

4-1/2" Float Collar (PBSD)
4-1/2" Float Shoe 7715 -ft MD RKB
7-7/8" Hole TD 7805 -ft MD RKB
7815 -ft MD RKB

Cementing details

8-5/8" 24# J55 STC Surface Csg			
Density (ppg)	Lead	Tail	
Volume (sx)	12.3	12.8	
Yield (cf/sx)	192	114	
Top (ft RKB)	2.45	2.17	
Bottom (ft RKB)	Surface	1000	
Returns (full or partial)	1000	1537.96	
	Full	Full	

4-1/2" 11.6# I80 LTC Production Csg			
Density (ppg)	Lead	Tail	Displacement
Volume (sx)	12.8	13.3	8.4 ppg
Yield (cf/sx)	898	413	121 bbls
Est Top (ft RKB)	1.75	1.89	N/A
Est Bottom (ft RKB)	1022	5658	N/A
Returns (full or partial)	5593	7805	N/A
	Full	Full	Full

Other Remarks : (Surface Cmt 35 Bbls) 10 bbls of spacer back to surface