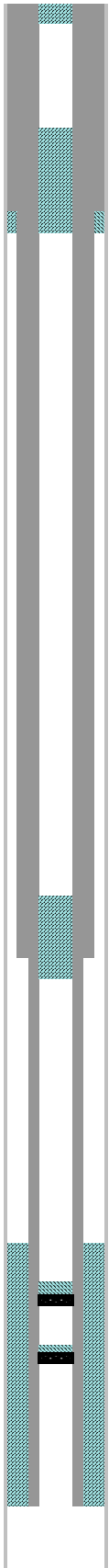


Downhole Schematic for MORGAN 12-14B (N12)

Project: South Piceance
 Area: MAMM CREEK
 As of: 09/29/2009

API #: 05-045-09210
 County GARFIELD
 GL: 6178.6 ft

Surface Location: ESW SEC 12 T7S-R92W 6TH P.M.
 BHL: SESW SEC. 12 T7S-R92W 6TH P.M.
 KB to GL 12.0 ft KB: 6190.6 ft



Casing Details

Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description
Surface	17.500	13.375	68.000	527.00				No Details
Intermediate	12.250	9.625	36.000	2,357.00		ST&C	J-55	Casing
Production	8.750	7.000	23.000	5,594.00		LT&C	9-110	Casing

Cement Details

Section	Sequence	Top	Density	Blend/Additives
Surface	Tail	0	15.8	G
Intermediate	Tail	1900	13.2	
Production	Tail	3300	13.5	35/65

Tubing and Downhole Equipment

O.D.	Length	Depth	Description
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Perforations

Stage	Date	From	To	Shots
Stage 1	8/7/03	5474	5534	64
Stage 2	8/24/03	5117	5302	18
Stage 3	8/29/03	4878	4984	16
Stage 4	9/6/03	4569	4772	20
Stage 5	9/17/03	4285	4525	18
Stage 6	9/30/03	4098	4256	20
Stage 7	10/6/03	3790	3994	20
Stage 8	9/25/09	2412	2413	4
Stage 7	9/28/09	575	576	4

Frac Summary

Stage 1: 5474'-5534', 2689 bbls slickwater, 120420 lbs 20-40 sand Report date: 3-10-04
 Stage 2-8: No frac

Bridge Plug Details

Depth	Date Set	Plug Type	Sacks Cement
4,547	4/9/04	CBP	2
3,725	1/14/07	RBP	8

Cement Squeeze

Date	Squeeze	Details
9/28/09	#1	Pumped 50 sacks Class G neat @ 15.8 ppg with 7.5 bbl fresh water to balance from 2426' - 2176'
	#2	Perf csg with 4 holes @ 575'. Pump 50 sacks Class G neat @ 15.8 ppg displace with 1.5 bbl fresh w Topped off 7" casing with cement using 1" pipe from 60' to surface

Set @ 5594'
 PBTD @ 4547'
 TD @ 5935'