

Downhole Schematic for MELBON RANCH 6-8-17



Project :DJ Basin

API # :05123345810000

Surface Location : SESW Sec 17 T2N - R65W 6th P

Area : Wattenberg

County :

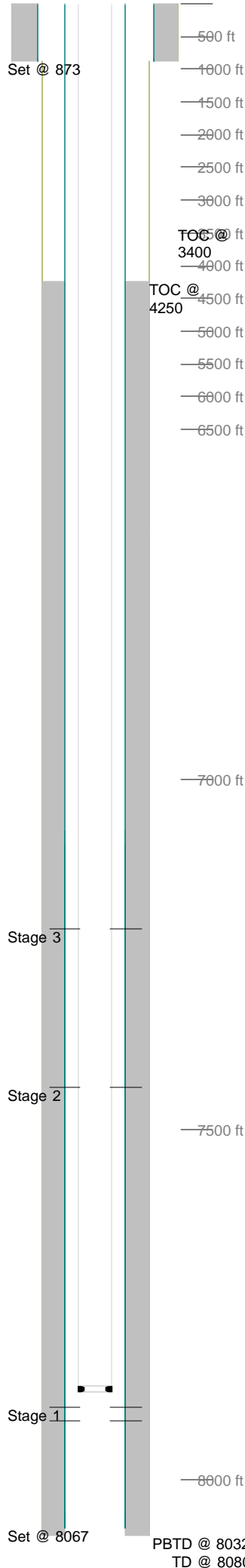
BHL :

As Of : 07/20/2012

GL : 4918.0 ft

KB to GL : 12.0 ft

KB : 4930.0 ft



Casing Details

Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description
Surface	12.250	8.625	24	873	1	ST&C	J55	GS
		8.625	24	872	41	ST&C	J55	SJ/BAFFLE
		8.625	24	831	819	ST&C	J55	CSG
		8.625	24	12	12	ST&C	J55	LJ
Production	7.875	4.5	0	8,067	1	LT&C		Guide Shoe
		4.5	11.6	8,066	21	LT&C	SB-80	Shoe Jt
		4.5	0	8,045	1	LT&C		Float Collar
		4.5	11.5	8,043	949	LT&C	SB-80	Casing
		4.5	11.5	7,095	22	LT&C	SB-80	Marker Joint
		4.5	11.5	7,073	7,061	LT&C	SB-80	Casing
		4.5	11.5	12	12	LT&C	SB-80	Landing Jt

Cement Details

Section	Sequence	Top	Density	Blend / Additives
Surface	Lead	0	14.5	TYPE III Cmt Class C / + .08 lbs/sk Static Free + 1.5% Calcium Chloride + .15 lbs/sk Cello Flake + 60.5% Fresh Water.
Production	Lead	0	0.0	/
		4,250	12.5	Premium Lite Cement / + 0.25 lbs/sack Cello Flake +0.7% FL-52 + 6% Bentonite + 0.2% CD-32 + 3 lbs/sack CSE-2 + 0.2% ASA-301 @ 12.5 PPG
	Tail	6,650	13.5	(50:50) Poz G Cement / + 0.25 lbs/sack Cello Flake + 0.6% FL-52 + 3% Bentonite + 0.1% SMS + 20% S-8 @ 13.5 PPG

Tubing and Downhole Equipment

O.D.	Length	Depth	Description
0.000	12.00	12.00	KB
0.000	0.50	12.50	Hanger
2.375	7,853.38	7,865.88	244 jts of new 2-3/8 J-55 EUE 4.7#, 8rd tbg,
2.370	1.10	7,866.98	Seat nipple
0.000	10.13	7,877.11	2-3/8 J-55 pup jt
0.000	0.83	7,877.94	Re-entry guide

Perforations

Stage	Date	From	To	Shots	Date	From	To	Shots
Stage 1	05/23/2012	7,916	7,928	24	05/31/2012	7,440	7,454	42
		7,896	7,908	24		7,213	7,225	48
Stage 2					05/31/2012	7,213	7,225	48

Frac Summary

Stage 1 : 7,896 - 7,928, 3884 bbls of Hybrid pHaserFrac, 251120 lbs of 20/40 Sand Report Date: 05/31/2012
 Stage 2 : 7,440 - 7,454, 42 - 0.420" shots, 2775 bbls of Hybrid pHaserFrac, 250140 lbs of 30/50 Sand Report Date: 05/31/2012
 Stage 3 : 7,213 - 7,225, 48 - 0.420" shots, 3397 bbls of Hybrid pHaserFrac, 250480 lbs of 30/50 Sand Report Date: 06/01/2012

Bridge Plug Details

Depth	Date Set	Plug Type	Sacks Cement
6,140.0	07/19/2012	CBP	0
7,510.0	05/31/2012	CFP	0
7,300.0	05/31/2012	CFP	0

CBP at 6,140.0 drilled out 07/02/2012
 CFP at 7,510.0 drilled out 07/20/2012
 CFP at 7,300.0 drilled out 07/20/2012