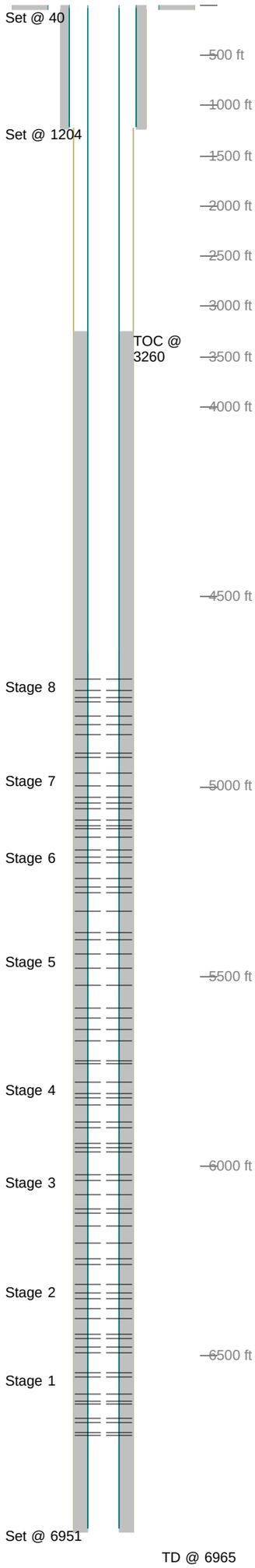
Downhole Schematic for Daybreak Federal 19-5 (PJ19)

Project : South Piceance | API # : 05045198990000 | Surface Location : NWSE Sec 19 T7S - R95W 6th P

Area : Parachute | County : | BHL : SWNW-19-7S-95 W 6th PM

As Of : | GL : 5425.0 ft | KB to GL : 22.0 ft | KB : 5447.0 ft



Casing Details

Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description
Conductor	26.000	16	42	40	40		A52A	Joint
Surface	12.250	9.625	36	1,204	1	LT&C		Float Shoe
		9.625	36	1,203	42	LT&C	J55	Casing Jt
		8.875	0	1,160	0			Baffle
		9.625	36	1,160	1,133	LT&C	J55	Casing
		9.625	36	28	3	LT&C	J55	Pup Jt
		11.00	0	25	2	LT&C		Well Head
		9.625	36	23	26	Butt	J55	Landing JT
Production	8.750	4.5	11.6	6,951	1	Butt	L80	Float Shoe
		4.5	11.6	6,950	42	Butt	M80	Casing
		4.5	11.6	6,908	1	Butt	L80	Float Collar
		4.5	11.6	6,906	1,258	Butt	M80	Casing
		4.5	11.6	5,648	23	Butt	M80	Marker jt.
		4.5	11.6	5,626	962	Butt	M80	Casing
		4.5	11.6	4,663	22	Butt	M80	Marker jt.
		4.5	11.6	4,641	4,614	Butt	M80	Casing
		4.5	11.6	27	5	Butt	P110	Pup Jt & Mandrill
		4.5	11.6	22	26	LT&C	P110	Landing Jt

Cement Details

Section	Sequence	Top	Density	Blend / Additives
Surface	Lead	0	12.5	Class G / +2.0% D079+0.2% D046+0.25 lb/sk D029
	Tail	948	15.8	Class G / + 1.25% S001 + 0.2% D046 + 0.25lb/sk D029
Production	Lead	3,250	12.0	Conventional / 0.5% D046 + 0.8% D013+ 1.0% D079 + 0.2% D029
	Tail	4,993	13.0	Conventional / 3.0% D020+ 0.2% D112+ 0.4% D013+0.2% D029 +0.5% D046
Conductor	Fill	0	0.0	4 yards redi mix /

Perforations

Stage	Date	From	To	Shots
1	10/25/2011	6,708	6,709	3
		6,700	6,701	3
		6,674	6,675	3
		6,662	6,663	3
		6,626	6,627	3
		6,620	6,621	3
		6,600	6,601	3
		6,554	6,555	3
		6,544	6,545	3
2	10/27/2011	6,492	6,493	3
		6,476	6,477	3
		6,454	6,455	3
		6,444	6,445	3
		6,400	6,401	3
		6,376	6,377	3
		6,350	6,351	3
		6,332	6,333	3
		6,310	6,311	3
3	10/28/2011	6,260	6,261	3
		6,244	6,245	3
		6,202	6,203	3
		6,158	6,159	3
		6,122	6,123	3
		6,112	6,113	3
		6,074	6,075	3
		6,038	6,039	3
		6,022	6,023	3
4	10/29/2011	5,962	5,963	3
		5,952	5,953	3
		5,938	5,939	3
		5,900	5,901	3
		5,882	5,883	3
		5,840	5,841	3
		5,820	5,821	3
		5,808	5,809	3
		5,780	5,781	3
5	10/31/2011	5,730	5,731	3
		5,722	5,723	3
		5,670	5,671	3
		5,638	5,639	3
		5,610	5,611	3
		5,582	5,583	3
		5,524	5,525	3
		5,478	5,479	3
		5,442	5,443	3
6	11/01/2011	5,404	5,405	3
		5,386	5,387	3
		5,328	5,329	3
		5,278	5,279	3
		5,264	5,265	3
		5,242	5,243	3
		5,200	5,201	3
		5,184	5,185	3
		5,168	5,169	3
7	11/02/2011	5,134	5,135	3
		5,112	5,113	3
		5,104	5,105	3
		5,088	5,089	3
		5,058	5,059	3
		5,044	5,045	3
		5,028	5,029	3
		4,998	4,999	3
		4,964	4,965	3
8	11/03/2011	4,924	4,925	3
		4,910	4,911	3
		4,862	4,863	3
		4,836	4,837	3
		4,814	4,815	3
		4,776	4,777	3
		4,764	4,765	3
		4,748	4,749	3
		4,716	4,717	3

Frac Summary

Stage 1 : 6,544 - 6,709, 27 - 0.340" shots, 6640 bbls of Slickwater Report Date: 10/25/2011
Stage 2 : 6,310 - 6,493, 27 - 0.340" shots, 4141 bbls of Slickwater Report Date: 10/27/2011
Stage 3 : 6,022 - 6,261, 27 - 0.340" shots, 8288 bbls of Slickwater Report Date: 10/28/2011
Stage 4 : 5,780 - 5,963, 27 - 0.340" shots, 8910 bbls of Slickwater Report Date: 10/29/2011
Stage 5 : 5,442 - 5,731, 27 - 0.340" shots, 8105 bbls of Slickwater Report Date: 10/31/2011
Stage 6 : 5,168 - 5,405, 27 - 0.340" shots, 12540 bbls of Slickwater Report Date: 11/01/2011
Stage 7 : 4,964 - 5,135, 27 - 0.340" shots, 7542 bbls of Slickwater Report Date: 11/02/2011
Stage 8 : 4,716 - 4,925, 27 - 0.340" shots, 15215 bbls of Slickwater Report Date: 11/03/2011