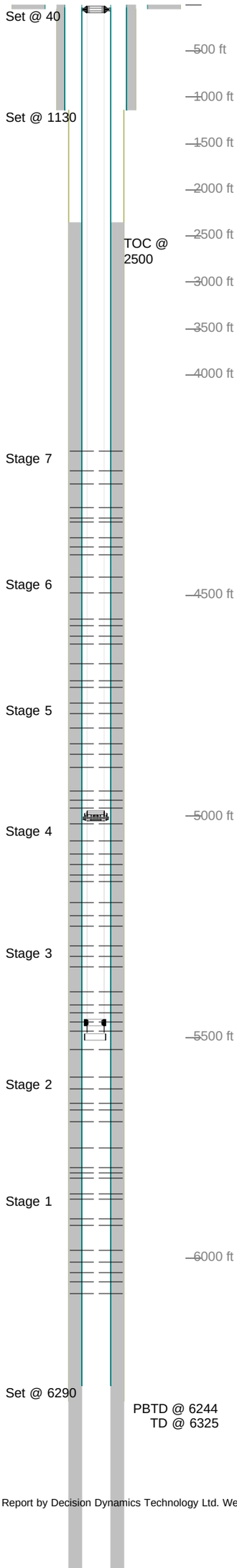
Downhole Schematic for Federal 25-4A (PE25)

Project : South Piceance | API # : 05045206540000 | Surface Location : SWNW Sec 25 T7S - R96W 6th F

Area : Parachute | County : GARFIELD | BHL : NWNW-25-7S-96 W 6th PM

As Of : 05/04/2012 | GL : 5396.2 ft | KB to GL : 22.0 ft | KB : 5418.2 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	1,130	2	LT&C	J-55	Float shoe
		9.625	36	1,128	44	LT&C	J-55	Casing joint
			0	1,084	0			Baffle plate insert
		9.625	36	1,084	1,049	LT&C	J-55	Casing joint
		9.625	36	35	2	LT&C	J-55	Casing pup
		11	0	33	3			Wellhead
		9.625	36	30	31	LT&C	J-55	Landing joint
Production	8.750	4.5	11.6	6,290	1	Butt		Float Shoe
		4.5	11.6	6,289	43	Butt	S-80	Prod. csg
		4.5	11.6	6,246	1	Butt		Float Collar
		4.5	11.6	6,244	785	Butt	S-80	Prod. csg
		4.5	11.6	5,460	22	Butt	S-80	Marker Joint
		4.5	11.6	5,438	877	Butt	S-80	Prod. csg
		4.5	11.6	4,560	22	Butt	S-80	Marker Joint
		4.5	11.6	4,538	4,502	Butt	S-80	Prod. csg
		4.5	11.6	36	4	Butt	P-110	Pup Joint
		11.0	0	33	1	LT&C		Mandrel hangar
		4.5	11.6	32	35	Butt	S-80	Landing Joint

Cement Details

Section	Sequence	Top	Density	Blend / Additives
Production	Tail	2,358	9.6	LiteCRETE / 41.0 lb/sx D907 + 46.0 lb/sx D124 + 13.0 lb/sx D154 + 0.2% D065 + 0.3% D013 + 0.2% D046 + 0.25 lb/sx D029
	Scavenger	2,500	9.4	MudPush II / 75.0 lb/bbl D042 + 5.0 lb/bbl D182 + 34.94 lb/bbl D031.
Surface	Lead	0	12.5	G - cement / D079; 2.0% BWOB, D046; 0.2% BWOB, D029; 0.25 LB/SX
	Tail	0	15.8	G - cement / S001; 1.0% BWOB, D046; 0.2% BWOB, D029; 0.25 LB/SX
Conductor	Fill	0	0.0	4 yards redi mix /

Tubing and Downhole Equipment

O.D.	Length	Depth	Description
0.000	20.00	20.00	below KB
4.063	0.84	20.84	4 1/16 W.G hanger
2.594	0.67	21.51	2 3/8 saver sub
2.375	4,965.28	4,986.79	151 jts 2 3/8 L80 4.7# eue
2.375	2.00	4,988.79	2 3/8 pup jt L80
2.375	4.00	4,992.79	2 3/8 pup jt L80
3.188	3.72	4,996.51	sliding sleeve
0.000	-4.00	4,999.51	stack out for packer
3.750	7.00	5,003.51	Baker Model R packer
2.375	459.66	5,459.17	14 jts 2 3/8 L80 4.7# eue
3.063	0.97	5,460.14	F nipple
2.375	32.81	5,492.95	1 jt 2 3/8 L80 4.7# eue
3.063	0.40	5,493.35	Notched collar

Perforations

Stage	Date	From	To	Shots
1	04/07/2012	6,080	6,081	3
		6,054	6,055	3
		6,032	6,033	3
		6,008	6,009	3
		5,984	5,985	3
		5,926	5,927	3
		5,910	5,911	3
		5,868	5,869	3
		5,854	5,855	3
2	04/15/2012	5,818	5,819	3
		5,806	5,807	3
		5,796	5,797	3
		5,752	5,753	3
		5,692	5,693	3
		5,666	5,667	3
		5,650	5,651	3
		5,618	5,619	3
		5,590	5,591	3
3	04/15/2012	5,528	5,529	3
		5,486	5,487	3
		5,464	5,465	3
		5,444	5,445	3
		5,428	5,429	3
		5,396	5,397	3
		5,342	5,343	3
		5,318	5,319	3
		5,294	5,295	3
4	04/17/2012	5,248	5,249	3
		5,224	5,225	3
		5,196	5,197	3
		5,146	5,147	3
		5,134	5,135	3
		5,110	5,111	3
		5,084	5,085	3
		5,054	5,055	3
		5,016	5,017	3
5	04/18/2012	4,982	4,983	3
		4,964	4,965	3
		4,942	4,943	3
		4,890	4,891	3
		4,858	4,859	3
		4,836	4,837	3
		4,800	4,801	3
		4,768	4,769	3
		4,744	4,745	3
6	04/19/2012	4,706	4,707	3
		4,694	4,695	3
		4,654	4,655	3
		4,610	4,611	3
		4,592	4,593	3
		4,568	4,569	3
		4,554	4,555	3
		4,494	4,495	3
		4,458	4,459	3
7	04/20/2012	4,406	4,407	3
		4,390	4,391	3
		4,368	4,369	3
		4,334	4,335	3
		4,324	4,325	3
		4,300	4,301	3
		4,246	4,247	3
		4,218	4,219	3
		4,172	4,173	3

Frac Summary

Stage 1 : 5,854 - 6,081, 27 - 0.340" shots, 7242 bbls of Slickwater Report Date: 04/15/2012
Stage 2 : 5,590 - 5,819, 27 - 0.340" shots, 5960 bbls of Slickwater Report Date: 12/30/1899
Stage 3 : 5,294 - 5,529, 27 - 0.340" shots, 8916 bbls of Slickwater Report Date: 04/17/2012
Stage 4 : 5,016 - 5,249, 27 - 0.340" shots, 11540 bbls of Slickwater Report Date: 04/18/2012
Stage 5 : 4,744 - 4,983, 27 - 0.340" shots, 11974 bbls of Slickwater Report Date: 04/19/2012
Stage 6 : 4,458 - 4,707, 27 - 0.340" shots, 9407 bbls of Slickwater Report Date: 04/20/2012
Stage 7 : 4,172 - 4,407, 27 - 0.340" shots, 11649 bbls of Slickwater Report Date: 04/21/2012

Comments

SIBH 10 psi, 5/4/12