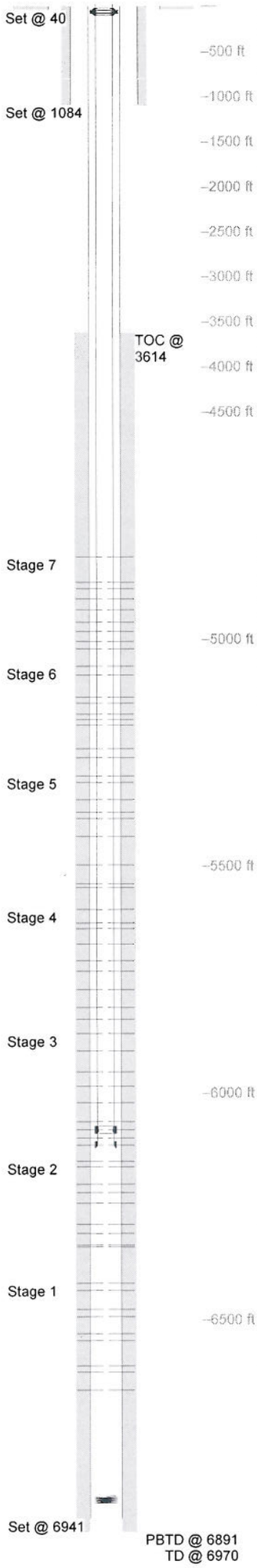
Downhole Schematic for Federal Smith 19-15 (PA30)

ENCANA

Project : South Piceance | API # : 05045207820000 | Surface Location : NENE Sec 30 T7S - R95W 6th PM

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

As Of : 01/08/2012 | GL : 5806.0 ft | KB to GL : 22.0 ft | KB : 5828.0 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		0	1,084	2	LT&C		Guide shoe
		9.625	36	1,083	44	LT&C	J55	Csg
			0	1,039	3	LT&C		Float collar
		9.625	36	1,036	1,011	LT&C	J55	Csg
		9.625	36	25	3	LT&C	J55	Csg pup
		9.625	36	22	3	LT&C	J55	Well head
		9.625	36	20	24	LT&C	J55	Landing jnt
Production	8.750		0	6,941	1	Butt		Guide Shoe
		4.5	11.6	6,940	44	Butt	S-80	Csng.
			0	6,895	2	Butt		Float Collar
		4.5	11.6	6,894	1,234	Butt	S-80	Csng.
		4.5	11.6	5,660	21	Butt	S-80	Marker #1,Csng.
		4.5	11.6	5,639	1,011	Butt	S-80	Csng.
		4.5	11.6	4,628	22	Butt	S-80	Marker #2,Csng.
		4.5	11.6	4,606	4,575	Butt	S-80	Csng.
		4.5	11.6	31	5	Butt	S-80	Mandril
		4.5	11.6	26	27	Butt	S-80	Landing Joint

Cement Details

Section	Sequence	Top	Density	Blend / Additives
Conductor	Fill	0	0.0	4 yards redi-mix /
Surface	Tail	0	15.8	15.8 Class G (31bbls) / 14100lbD907+ 0.75%S001+0.2%D046+0.25ppsD29
	Lead	0	12.5	12.5 G Lead (79bbls) / 21056 lbD907+2%D79+0.2%D46+0.25ppsD29
Production	Scavenger	0	0.0	CW100 20bbls /
	Lead	3,614	12.0	12 TXI Lead (116bbls) / D049Cement,75.lb/skWBWOB,D079Extender,1.0%;BWOB,D013Retarde,0.75%BWOB,D046Antifoam,0.5%BWOB,D029Lost Circ.. Control Agent,0.25lb/skWBWOB
	Tail	4,855	13.0	13 TXI (150bbls) / D049,Cement,75lb/sk WBWOB,D020,Extender,3.0%BWOB,D112,Fluid Loss, 0.2%BWOB,D013,Retearder,0.4%BWOB,D046,Anti Foam,0.5%BWOB,D029,Lost Circ. Control Agent,0.25lb/sk WBWOB.

Tubing and Downhole Equipment

O.D.	Length	Depth	Description
0.000	20.00	20.00	KB - 2.00
4.063	0.82	20.82	4 1/16" 5 K Wood Group HGR
2.628	0.67	21.49	Saver Sub
2.375	6,050.41	6,071.90	189 jts 2 3/8" J-55 4.7# Eue Tbg
3.063	0.97	6,072.87	F- Nipple 1.81
2.375	32.62	6,105.49	1 jt 2 3/8" J-55 4.7# Eue Tbg
3.063	0.92	6,106.41	POBS top 1/2
3.250	1.23	6,891.00	POBS btm 1/2, 3 3/4 bit

Perforations

Stage 1

Date	From	To	Shots
12/05/2011	6,656	6,657	3
	6,616	6,617	3
	6,602	6,603	3
	6,546	6,547	3
	6,530	6,531	3
	6,492	6,493	3
	6,476	6,477	3
	6,434	6,435	3
	6,418	6,419	3

Stage 2

Date	From	To	Shots
12/18/2011	6,338	6,339	3
	6,334	6,335	3
	6,308	6,309	3
	6,288	6,289	3
	6,242	6,243	3
	6,218	6,219	3
	6,200	6,201	3
	6,162	6,163	3
	6,150	6,151	3

Stage 3

Date	From	To	Shots
12/20/2011	6,114	6,115	3
	6,098	6,099	3
	6,080	6,081	3
	6,062	6,063	3
	6,020	6,021	3
	5,984	5,985	3
	5,952	5,953	3
	5,906	5,907	3
	5,868	5,869	3

Stage 4

Date	From	To	Shots
12/20/2011	5,836	5,837	3
	5,810	5,811	3
	5,770	5,771	3
	5,730	5,731	3
	5,706	5,707	3
	5,670	5,671	3
	5,636	5,637	3
	5,624	5,625	3
	5,594	5,595	3

Stage 5

Date	From	To	Shots
12/22/2011	5,546	5,547	3
	5,538	5,539	3
	5,496	5,497	3
	5,434	5,435	3
	5,394	5,395	3
	5,380	5,381	3
	5,352	5,353	3
	5,314	5,315	3
	5,300	5,301	3

Stage 6

Date	From	To	Shots
12/23/2011	5,260	5,261	3
	5,240	5,241	3
	5,188	5,189	3
	5,176	5,177	3
	5,164	5,165	3
	5,140	5,141	3
	5,126	5,127	3
	5,078	5,079	3
	5,058	5,059	3

Stage 7

Date	From	To	Shots
12/27/2011	5,020	5,021	3
	5,004	5,005	3
	4,982	4,983	3
	4,962	4,963	3
	4,934	4,935	3
	4,910	4,911	3
	4,888	4,889	3
	4,874	4,875	3
	4,818	4,819	3

Frac Summary

Stage 1 : 6,418 - 6,657, 9287 bbls of Slickwater Report Date: 12/18/2011
Stage 2 : 6,150 - 6,339, 27 - 0.340" shots, 6952 bbls of Slickwater Report Date: 12/19/2011
Stage 3 : 5,868 - 6,115, 27 - 0.340" shots, 7620 bbls of Slickwater Report Date: 12/20/2011
Stage 4 : 5,594 - 5,837, 27 - 0.340" shots, 9190 bbls of Slickwater Report Date: 12/21/2011
Stage 5 : 5,300 - 5,547, 27 - 0.340" shots, 7740 bbls of Slickwater Report Date: 12/23/2011
Stage 6 : 5,058 - 5,261, 27 - 0.340" shots, 10999 bbls of Slickwater Report Date: 12/26/2011
Stage 7 : 4,818 - 5,021, 27 - 0.340" shots, 18475 bbls of Slickwater Report Date: 12/27/2011

Comments

SIBHP 0, 01/08/2012