

Downhole Schematic for Federal 29-4BB (PA30)



Project : South Piceance

API #: 05045207830000

Surface Location : NENE Sec 30 T7S - R95W 6th PM

Area : Parachute

County :

BHL : NENW-29-7S-95 W 6th PM

As Of : 01/12/2012

GL : 5806.0 ft

KB to GL : 22.0 ft

KB : 5828.0 ft

Stage 7₁₀

Set @ 1082

TOC @ 2300

Stage 8

Stage 6

Stage 5

Stage 4

Stage 3

Stage 2

Stage 1

Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description
Casing Details	26.000	16	42	40	40		A52A	Joint
Surface	12.250	9.625	0	1,082	2	LT&C	J55	Guide shoe
		9.625	36	1,081	44	LT&C	J55	Csg
		9.625	0	1,037	1	LT&C	J55	Float collar
		9.625	36	1,035	1,010	LT&C	J55	Csg
		9.625	36	26	3	LT&C	J55	Csg pup
		9.625	36	23	3	LT&C	J55	Well head
		9.625	36	20	24	LT&C	J55	Landing jnt
Production	8.750	4.5	0	6,969	1	Butt	S-80	Guide Shoe
		4.5	11.6	6,968	43	Butt	S-80	Csng.
		4.5	0	6,924	2	Butt	S-80	Float Collar
		4.5	11.6	6,923	1,180	Butt	S-80	Csng.
		4.5	11.6	5,743	22	Butt	S-80	Marker #1,Csng.
		4.5	11.6	5,721	1,001	Butt	S-80	Csng.
		4.5	11.6	4,720	23	Butt	S-80	Marker #2,Csng.
		4.5	11.6	4,698	4,670	Butt	S-80	Csng.
		4.5	11.6	27	5	Butt	S-80	Mandril
		4.5	11.6	22	26	Butt	S-80	Landing Joint
Cement Details								
Surface	Sequence	Top	Density	Blend / Additives				
	Lead	0	12.5	12.5 ClassG (80 bbbls) / 20022				
				1bD907+2%D79+0.2%D46+0.25ppsD29				
	Tail	799	15.8	15.8 Class G (31bbbls) / 141001bD907+				
				0.75%S001+0.2%D046+0.25ppsD29				
Production	Scavenger	0	0.0	CW100 20bbbls /				
	Lead	2,300	12.0	12 TXI Lead (133bbbls) /				
				D049Cement,75.lb/skWBWOB,D079Extender,1.0%;WBWOB,D013Re				
				tarde,0.75%BWOB,D046Antifoam,0.5%BWOB,D029Lost Circ..				
				Control Agent,0.25lb/skWBWOB				
	Tail	5,564	13.0	13 TXI (146bbbls) / D049,Cement,75lb/sk				
				WBWOB,D020,Extender,3.0%BWOB,D112,Fluid Loss,				
				0.2%BWOB,D013,Retarder,0.4%BWOB,D046,Anti				
				Foam,0.5%BWOB,D029,Lost Circ. Control Agent,0.25lb/sk				
				WBWOB.				
Conductor	Fill	0	0.0	4 yards redi mix /				
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	2 3/8 N80 Saver Sub					
2.375	6,127.05	6,148.54	188 jts 2 3/8" L80 4.7# Eue Tbg					
3.063	0.97	6,149.51	F- Nipple 1.81					
2.375	32.78	6,182.29	1 jt 2 3/8" L80 4.7# Eue Tbg					
3.063	0.92	6,183.21	POBS top 1/2					
3.250	1.23	6,923.00	POBS btm 1/2, 3 3/4 bit					
Perforations								
Stage 1	Date	From	To	Shots	Date	From	To	Shots
	12/03/2011	6,748	6,749	3	12/11/2011	5,698	5,699	3
		6,726	6,727	3		5,666	5,667	3
		6,712	6,713	3		5,650	5,651	3
		6,686	6,687	3		5,634	5,635	3
		6,676	6,677	3		5,602	5,603	3
		6,626	6,627	3		5,576	5,577	3
		6,600	6,601	3		5,564	5,565	3
		6,572	6,573	3		5,522	5,523	3
		6,538	6,539	3		5,506	5,507	3
Stage 2	Date	From	To	Shots	Date	From	To	Shots
	12/08/2011	6,488	6,489	3	12/12/2011	5,476	5,477	3
		6,484	6,485	3		5,470	5,471	3
		6,456	6,457	3		5,462	5,463	3
		6,434	6,435	3		5,422	5,423	3
		6,406	6,407	3		5,408	5,409	3
		6,380	6,381	3		5,392	5,393	3
		6,338	6,339	3		5,364	5,365	3
		6,318	6,319	3		5,344	5,345	3
		6,294	6,295	3		5,308	5,309	3
Stage 3	Date	From	To	Shots	Date	From	To	Shots
	12/09/2011	6,256	6,257	3	12/14/2011	5,238	5,239	3
		6,230	6,231	3		5,196	5,197	3
		6,206	6,207	3		5,182	5,183	3
		6,162	6,163	3		5,154	5,155	3
		6,124	6,125	3		5,134	5,135	3
		6,098	6,099	3		5,078	5,079	3
		6,084	6,085	3		5,056	5,057	3
		6,050	6,051	3		5,044	5,045	3
		6,028	6,029	3		5,030	5,031	3
Stage 4	Date	From	To	Shots	Date	From	To	Shots
	12/10/2011	5,952	5,953	3	12/15/2011	4,998	4,999	3
		5,932	5,933	3		4,964	4,965	3
		5,910	5,911	3		4,946	4,947	3
		5,868	5,869	3		4,920	4,921	3
		5,838	5,839	3		4,892	4,893	3
		5,820	5,821	3		4,868	4,869	3
		5,796	5,797	3		4,836	4,837	3
		5,776	5,777	3		4,820	4,821	3
		5,742	5,743	3		4,798	4,799	3
Stage 5								
Frac Summary								
Stage 1 :	6,538 - 6,749, 27 - 0.340" shots,	8810	bbbls of Slickwater	Report Date:	12/08/2011			
Stage 2 :	6,294 - 6,489, 27 - 0.340" shots,	8095	bbbls of Slickwater	Report Date:	12/09/2011			
Stage 3 :	6,294 - 6,489, 27 - 0.340" shots,	8095	bbbls of Slickwater	Report Date:	12/09/2011			
Stage 4 :	6,028 - 6,257, 27 - 0.340" shots,	7810	bbbls of Slickwater	Report Date:	12/10/2011			
Stage 5 :	5,742 - 5,953, 27 - 0.340" shots,	10857	bbbls of Slickwater	Report Date:	12/11/2011			
Stage 6 :	5,506 - 5,699, 27 - 0.340" shots,	10501	bbbls of Slickwater	Report Date:	12/12/2011			
Stage 7 :	5,308 - 5,477, 27 - 0.340" shots,	10500	bbbls of Slickwater	Report Date:	12/13/2011			
Stage 8 :	5,030 - 5,239, 27 - 0.340" shots,	12619	bbbls of Slickwater	Report Date:	12/14/2011			
	4,798 - 4,999, 27 - 0.340" shots,	14667	bbbls of Slickwater	Report Date:	12/15/2011			
Comments	SIBHP 0, 01/12/2012							

Set @ 6969

PBTD @ 6923
TD @ 7000