

Downhole Schematic for Federal 25-9 (PH25)



Project : South Piceance API # : 05045191230000 Surface Location : SENE Sec 25 T7S - R96W 6th PM
 Area : Parachute County : GARFIELD BHL : NESE-25-7S-95 W 6th PM
 As Of : 06/11/2011 GL : 6064.0 ft KB to GL : 22.0 ft KB : 6086.0 ft

Set @	Casing Details Section	Hole Conductor	Casing 26.000	Mass 42	Set At 40	Length 40	Thread	Grade A52A	Description Joint	
Set @ 40	Surface	12.250	9.625	0	1,157	1			Cement Shoe	
			9.625	36	1,156	43	LT&C	J55	Shoe Track	
			9.625	36	1,112	1,084	LT&C	J55	Casing	
			9.625	36	28	5	ST&C		Casing Head	
Set @ 1157	Production	8.750	4.5	0	6,740	1	LT&C		Float Shoe	
			4.5	11.6	6,740	41	LT&C	E-80	Casing	
			4.5	0	6,740	1	LT&C		Float Collar	
			4.5	11.6	6,740	1,064	LT&C	E-80	Casing	
-2000 ft	Production	8.750	4.5	11.6	6,740	23	LT&C	E-80	Marker Jt.	
			4.5	11.6	6,740	985	LT&C	E-80	Casing	
			4.5	11.6	6,740	23	LT&C	E-80	Marker Jt.	
			4.5	11.6	6,740	4,548	LT&C	E-80	Casing	
-2500 ft	Production	8.750	4.5	11.6	6,740	6	LT&C	E-80	Mandel w/ pup jt	
			4.5	11.6	6,740	28	LT&C	P110	Land jt.	
-3000 ft	Cement Details Section	Sequence	Top	Density	Blend / Additives					
			0	8.3	20 bbls. water spacer /					
-3500 ft	Production	Lead Tail	857	15.8	12.5 #/gal. -Class G / G+2%D79+0.2%D46+0.25 pps D29					
			0	0.0	15.8 #/gal - Class G / D907+1.25%SOO1+0.2%D046+0.25ppsD29					
-4000 ft	Production	Lead Tail	2,882	12.0	40 bbls. Spacer /					
			4,200	13.0	TXI / D49 + .5% D046 + .8% D013 + 1% D079 + .25 D029 lb/sk D029					
-4000 ft	Conductor	Fill	0	0.0	.5% D046					
			0	0.0	4 Yds Class G /					
Tubing and Downhole Equipment										
	O.D.	Length	Depth	Description						
	0.000	20.00	20.00	KBTH -2.00						
	3.990	0.83	20.83	4 1/6 5K Wood Group						
	2.594	0.68	21.51	2 3/8 N80 saver sub						
	2.375	5,718.81	5,740.32	174 jts 2 3/8 J55 4.7# Eue Tbg						
	3.063	0.98	5,741.30	1.81 F-Nipple						
	2.375	32.88	5,774.18	1 jt 2 3/8 J55 4.7# Eue Tbg						
	3.063	0.92	5,775.10	Top 1/2 pump off bit sub						
	3.250	1.21	6,564.00	btm 1/2 POBS & 3 3/4" Mill						
Perforations										
Stage 7	Stage 1	Date	From	To	Shots					
			05/06/2011	6,390	6,391	3	5,490	5,491	3	
				6,370	6,371	3	5,468	5,469	3	
				6,352	6,353	3	5,452	5,453	3	
Stage 6	Stage 2	Date	From	To	Shots					
			05/09/2011	6,126	6,127	3	5,408	5,409	3	
				6,118	6,119	3				
				6,084	6,085	3	Stage 5	Date	From	To
Stage 5	Stage 3	Date	From	To	Shots					
			05/09/2011	5,852	5,853	3	06/02/2011	5,348	5,349	3
				5,840	5,841	3		5,334	5,335	3
				5,814	5,815	3		5,322	5,323	3
Stage 4	Stage 4	Date	From	To	Shots					
			05/09/2011	5,594	5,595	3	06/06/2011	5,302	5,303	3
				5,574	5,575	3		5,284	5,285	3
				5,552	5,553	3		5,258	5,259	3
Stage 3	Stage 6	Date	From	To	Shots					
			05/09/2011	5,528	5,529	3		5,240	5,241	3
				5,528	5,529	3		5,220	5,221	3
				5,508	5,509	3		5,180	5,181	3
Stage 2	Stage 7	Date	From	To	Shots					
			05/10/2011	5,150	5,151	4				
				5,150	5,151	4				
				5,150	5,151	4				
Stage 1	Stage Sqz holes	Date	From	To	Shots					
			05/10/2011	5,150	5,151	4				
				5,150	5,151	4				
				5,150	5,151	4				
Frac Summary										
	Stage 1	6,172 - 6,391, 27 - 0.340" shots, 14475 bbls of Slickwater Report Date: 05/07/2011								
	Stage 2	5,900 - 6,127, 27 - 0.340" shots, 12286 bbls of Slickwater Report Date: 05/09/2011								
	Stage 3	5,640 - 5,853, 27 - 0.340" shots, 10484 bbls of Slickwater Report Date: 05/09/2011								
	Stage 4	5,408 - 5,595, 27 - 0.340" shots, 8964 bbls of Slickwater Report Date: 05/09/2011								
	Stage 5	5,180 - 5,349, 27 - 0.340" shots, 8011 bbls of Slickwater Report Date: 06/03/2011								
	Stage Sqz holes	No Frac								
	Stage 6	4,920 - 5,149, 27 - 0.340" shots, 10095 bbls of Slickwater Report Date: 06/06/2011								
	Stage 7	4,602 - 4,849, 27 - 0.340" shots, 12881 bbls of Slickwater Report Date: 06/07/2011								
Bridge Plug Details										
	Depth	Date Set	Plug Type	Sacks Cement						
	5,390.0	05/10/2011	CBP	0						
	5,200.0	05/10/2011	CBP	0						
CBP at 5,390.0 drilled out 06/11/2011										
CBP at 5,200.0 drilled out 05/17/2011										
Cement Squeeze										
	Squeeze #	Date	From	To	Holes					
	# 1	05/14/2011	5,150	5,151	4					
	# Sacks	400								
Comments										
	06/12/11 SIBHP 0,									

Set @ 6740 PBTD @ 6564
 TD @ 6740