

Downhole Schematic for HMU Federal 16-16B (J16W)



Project :South Piceance

API # :05045204070000

Surface Location : NWSE Sec 16 T7S - R93W 6th P

Area : Mamm Creek

County :

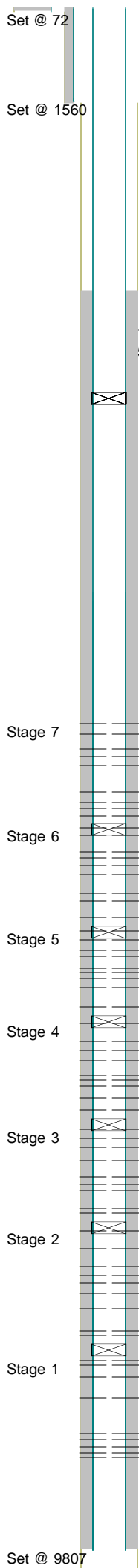
BHL : NWSE-16-7S-93 W 6th PM

As Of :

GL: 0.0 ft

KB to GL : ft

KB : 0.0 ft



	Casing Details								
-500 ft	Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description
	Conductor	26.000	16	42	72	72		A52A	Joint
-1000 ft	Surface	12.250	9.875	0	1,560	2	LT&C		Float Shoe
			9.875	36	1,559	44	LT&C	J-55	Casing
-1500 ft			9.875	0	1,515	2	LT&C		Float Collar
			9.875	36	1,513	1,485	LT&C	J-55	Casing
-2000 ft			9.875	0	28	5	LT&C		Wellhead
			9.875	36	23	27	LT&C	J-55	Landing Jt.
-2500 ft	Production	7.875	4.5	11.6	9,807	1	Butt	S 80	Float collar
			4.5	11.6	9,806	43	Butt	S 80	Shoe joint
-3000 ft			4.5	11.6	9,763	1	Butt	S 80	Float shoe
			4.5	11.6	9,762	1,307	Butt	S 80	Casing
-3500 ft			4.5	11.6	8,455	22	Butt	S80	Marker joint
			4.5	11.6	8,433	999	Butt	S 80	Casing
-4000 ft			4.5	11.6	7,434	22	Butt	S 80	Marker joint
			4.5	11.6	7,412	7,384	Butt	S 80	Casing
-4500 ft			4.5	11.6	28	6	Butt	P 110	Mandrel
			4.5	11.6	23	27	Butt	S 80	Landing joint
-5000 ft									
	Cement Details								
-5500 ft	Section	Sequence		Top	Density	Blend / Additives			
	Conductor	Fill		0	0.0	4 yards redi mix /			
-6000 ft	Surface			0	8.3	Water 20 bbl /			
		Lead		0	12.5	G Lead / G + 2.0% DO79 + 0.2% DO46 + 0.25#/sx DO29			
-6500 ft	Production	Tail		1,109	15.8	G Tail / G + 1.0% S001 + 0.2% DO46 + 0.25#/sx DO29			
		Scavenger		4,724	11.3	Mud push II 40 /			
-7000 ft		Lead		5,455	12.0	TXI / D049 75# SK, DO79 1%, D013 .9%, D046 .5%, D029 .25LB/SK			
		Tail		7,835	13.0	TXI / D049 75# SK, DO20 3%, D112 .2%, D013 .5%, D046 .5%, D029 .25LB/SK			
	Perforations								
	Stage 1							8,620	8,621 3
	Date	From	To	Shots				8,582	8,583 3
	07/05/2012	9,578	9,579	3				8,556	8,557 3
		9,566	9,567	3				8,536	8,537 3
		9,552	9,553	3				8,488	8,489 3
		9,530	9,531	3		Stage 5			
		9,516	9,517	3		Date	From	To	Shots
		9,426	9,427	3		07/20/2012	8,448	8,449	3
		9,374	9,375	3			8,400	8,401	3
		9,344	9,345	3			8,378	8,379	3
		9,332	9,333	3			8,364	8,365	3
-7500 ft	Stage 2							8,350	8,351 3
	Date	From	To	Shots				8,322	8,323 3
	07/18/2012	9,272	9,273	3				8,306	8,307 3
		9,260	9,261	3				8,282	8,283 3
		9,202	9,203	3				8,258	8,259 3
		9,166	9,167	3		Stage 6			
		9,138	9,139	3		Date	From	To	Shots
		9,122	9,123	3		07/21/2012	8,226	8,227	3
		9,100	9,101	3			8,184	8,185	3
		9,052	9,053	3			8,166	8,167	3
		9,008	9,009	3			8,116	8,117	3
	Stage 3							8,094	8,095 3
	Date	From	To	Shots				8,074	8,075 3
	07/19/2012	8,964	8,965	3				8,062	8,063 3
		8,952	8,953	3				8,018	8,019 3
-8000 ft		8,908	8,909	3				8,000	8,001 3
		8,894	8,895	3		Stage 7			

TD @ 9863