

Augustus Energy Partners II, LLC
BHR Fed 023-14-397-4RH
WELL SUMMARY



Pad Loc: 23-3N-97W COUNTY: Rio Blanco WELL: BHR Fed 023-14-397-4RH Surf/Minerals: FEE / FED			SURF LOC: Sec 23 T3N-R97W SHL (NAD83 CO N. 501):Lat: N40°12'31.01954" Long: W108°14'25.91595" BHL: Sec 14 T3N-R97W 600' FNL & 2310' FEL BHL (NAD83 CO N. 501): Lat: 40.234524 Long: -108.24434				ENG: Ren Gardner RIG: TBD GLE: 6,077.5' <u>Date</u> KB: 24.5 5/29/2018		
MWD LWD	OPEN HOLE LOGGING	FORM	DEPTH (KB)		CASING PROFILE	HOLE SIZE	CASING SPECS	MW MUD TYPE	DEVIATION INFORMATION
		Wasatch	80'	80'		26"	20" 0.5" wall 104#		
MWD Surveys every 90'	None	Mesaverde Loss Zone 1	1,847' 3,137' 3,300'	1,847' 3,300'	BHT: 110°	17 1/2"	13 3/8" 68# J55 BTC Collapse: 1,950 psi / Burst: 3,450 psi Tension: 1,069 klbs Lead-12.0ppg, yld 2.5, w/ 50% excess Cement from 2,800' to surface Tail-12.5ppg,Class G yld 2.22, 0% xs Cement from TD to 2,800'	Gel Mud (WBM) < 9.0 ppg Vis: 60-80 WL: 6-8cc	Vertical <1°
MWD Gamma Surveys every 90'	None Cased hole Temp log required 6 hrs after cement	Rollins Loss Zone 2 Sego-Lower Castlegate Mancos -Mrkr 6 NIOBRARA Buck Peak	5,346' 5,737' 6,626' 7,047' 8,404' 9,733' 10,037'	5,370' 6,669' 7,096' 8,473' 9,822' 10,130'	BHT: 250°	12 1/4" HAL VF LH TOL 200' > Shoe	9 5/8" 43.5# HCP110 BTC Collapse: 5,940 psi / Burst: 9,850 psi Tension: 1,388 klbs Lead- 12.5 ppg, yld 2.07 Cmt: Top of Mancos to TOC (200' above SC Shoe) - 8,273'-3,100' Tail-13.5 ppg, yld 1.90 Cement - TD to 200'>Top of Mancos (10,130'-8,273')	WBM LSND MW < 9.0 ppg WL < 6.0cc Vis: - 45-60 YP: 16-22 Air Blown Ground Asphalt, X ppb	Directional KOP 3400' 2 deg/100' Hold 9.78 deg to csg point
MWD AZI Gamma Surveys every 90'	None	Kick-off Tow Creek Wolf Mtn Hot Wolf Mtn - Rangely Bench TOP TARGET TARGET BASE TARGET	10,090' 10,193' 10,570' 10,903' 10,936' 10,961' 10,986'	10,184' 10,288' 10,698'		8 1/2" 8 1/2"	5 1/2" 20# P110 HTQ BTC Liner Collapse: 11,100 psi Burst: 12,650 psi Tension: 641 klbs Top of Liner & 9,900' Cement 13.5 ppg, yld 1.85 Cement TD to Liner Top (20,707'-9,930') 10% xs 9,407' Lateral	OBM 12.0 - 13.0 ppg 12.0 ppg - 13.0 ppg	KOP 10,184' 8 deg/100' TD = 20,707' 11,798' TVD
			LP: 10,858' TVD / 11,300'MD			BHT: 260°-265°			

NOTES: