

**Augustus Energy Partners II, LLC
BHR Fed J22-15-397-4RH
WELL SUMMARY**



Pad Loc: 22-3N-97W COUNTY: Rio Blanco WELL: BHR Fed J22-15-397-4RH Surf/Minerals:FEE / FED			SURF LOC: Sec 22 T3N-R97W SHL (NAD83 CO N. 501): Lat: 40.212032 Long:-108.259757 BHL: Sec 15 T3N-R97W 600' FNL & 2310' FEL BHL (NAD83 CO N. 501): Lat: 40.234551 Long: -108.263274			ENG: Ren Gardner RIG: TBD GLE: 5938 RKBE: 25			Date 11/27/2017	
MWD LWD	OPEN HOLE LOGGING	FORM	DEPTH		CASING PROFILE	HOLE SIZE	CASING SPECS	MW MUD TYPE	DEVIATION INFORMATION	
		Wasatch	80'	80'		20"	16" 0.438" wall 75#			
MWD Surveys every 90'	None	Mesaverde Loss Zone 1	1,659' 2,520' 3,300'	1,659' 3,300'	BHT: 110'	13-1/4"	9 5/8" 36# J-55 STC Collapse: 2,020 psi / Burst: 3,520 psi Tension: 394 klbs Lead-12.0ppg, yld 2.53, 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'	OH Logging Waived due to BHR Fed J22-397-15-2RH Well on same pad Cased hole CBL required 6 hrs after cement	Kickoff Tangent Rollins Loss Zone 2 Sego-Lower Castlegate Mancos -Mrkr 6 NIOBRARA Buck Peak	3,400' 4,623' 5120' 5,961' 6,386' 7,664' 8,997'	4,660' 5,183' 6,065' 6,516' 7,861' 9,253'	BHT: 250'	8-3/4"	7" 29# HCE P110 BTC Collapse: 9,760 psi / Burst: 12,750 psi Tension: 955 klbs Lead- 12.5 ppg, yld 2.07 Cmt: 7464' (200' < Mancos) to TOC 3100' Use Thix Mix for loss zone Tail-13.5 ppg, yld 1.90 Cement - TD to 7464' (200' < Mancos) TOC = 3100'	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 18.5 deg to tangent Bring back to 0 deg	
MWD AZI Gamma Surveys every 90'	None	Tow Creek Kick-off Wolf Mtn Hot Wolf Mtn - Rangely Bench TOP TARGET TARGET BASE TARGET	9,440' 9,640' 9,808' 10,135' 10,166' 10,191' 10,216'	9,698' 9,900' 10,100' 10,135' 10,166' 10,191' 10,216'		6"	4-1/2" 13.5# P110 BTC Liner Collapse: 10,690psi / Burst: 12,310psi Tension: 422 Klbs Cement 13.5 ppg, yld 1.85 Cement TD to 200' above Liner Hanger @ 9100' 15% xs	OBM 12.0-12.5 ppg	KOP 9640' 8 deg/100' TD = 19,658' TVD = 10,900'	
Landing Point: 10,096' TVD / 10,700'MD BHT: 260°										

NOTES: