

Augustus Energy Partners II, LLC
BHR Fed J22-15-397-2RH (Pilot Hole)
WELL SUMMARY



Pad Loc: 22-3N-97W COUNTY: Rio Blanco BHR Fed J22-15-397-2RH WELL: (Pilot Hole) Surf/Minerals: FEE / FEE			SURF LOC: Sec 22 T3N-R97W SHL (NAD83 CO N. 501): Lat: 40.211953 Long: -108.25961 BHL: Sec 22 T3N-R97W BHL LOC (NAD83 CO N 501): Lat: 40.207474 / Lon: -108.258522			ENG: Steven Henning RIG: TBD GLE: 5,889' RKBE: TBD Date: 5/9/2017		
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MWD LWD	OPEN HOLE LOGGING	FORM	DEPTH		CASING PROFILE	HOLE SIZE	CASING SPECS	MW MUD TYPE	DEVIATION INFORMATION
			TVD	MD					
		Wasatch	80'	80'		26	20" 0.5" wall 104#		
MWD Surveys every 90'	None	Mesaverde Loss Zone 1	1,181' 2,471'	1,181'	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 2.53, 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'	None Cased hole Temp log required 6 hrs after cement	Rollins Loss Zone 2 Sego-Lower Castlegate Mancos -Mrkr 6 NIOBRARA Buck Peak	4,680' 5,071' 5,960' 6,382' 7,739' 9,068'	4,717' 6,067' 6,511' 7,942' 9,344'	BHT: 250'	12-1/4"	9-5/8" 43.5# HCP110 Collapse: 5,440 psi / Burst: 8,710 psi Tension: 1,381 klbs Lead- 12.5 ppg, yld 2.07 Cmt: Top of Mancos to TOC Tail-13.5 ppg, yld 1.90 Cement - TD to 200'>Top of Mancos TOC = 200' > Shoe	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 and begin drop at 8,622' at 2 deg/100' Vertical by 9,547'
MWD Gamma Surveys every 90'	Log #1: Quad combo tool (spectral GR / Induction / Neutron- Density / Dipole Sonic Log#2: FMI resistivity imaging log	Tow Creek Wolf Mtn Rangely Bench Horizontal Target Fort Hayes Carlile Juana Lopez Frontier Mowry Dakota TD	9,527' 9,758' 10,237' 10,271' 10,733' 10,747' 10,847' 10,907' 11,170' 11,245' 11,374'	9,781' 10,015' 10,491' 10,987' 11,010' 11,101' 11,161' 11,424' 11,499' 11,628'	CORE POINT 10,182' to 10,382' TVD (200') BHT: 270'	8-1/2"	Cemented in Whip Set at 9747'-9762' MD Sidetrack 9,812' Cement Plug #3 10,388' - 9,768' 15.8 lb/gal 1.52ft ³ /SK 162 sx Cement Plug #2 11,008' - 10,388' 15.8 lb/gal 1.52ft ³ /sk 162 sx Cement Plug #1 11,628' - 11,008' 15.8 lb/gal 1.52ft ³ /SK 162 sx	OBM 9.5-10.5ppg MASP: (0.6-.22)*11,349' = 4,313psi 5M BOPE System will be used	Vertical <10°

NOTES: