



**SCHNEIDER ENERGY CONSULTING
BISON OIL & GAS II, LLC**



Well Name & No.:		Butler Federal 1-20		Report #:	1	Report Date:	11/9/2018
County:	Weld	State:	CO	Rig:	ENSIGN 318	AFE Number:	
DIRECTIONS						AFE Amount:	
Perforations:						Horizontal Well:	YES
Production Casing						Vertical Well:	NO
MUD INFO						Kick Off Point (Feet):	
Vis		Weight		Water Loss		Liner Top	
Pumping Type:				SPM:		Measured Depth:	
Liners		Stroke Length (in.):		GPM		PBTD	
Bit Information						Date of Last Fluid Level:	
Daily Activity:						Supervisor: Olmstead / Donoho	
<p>10:00 a.m., MIRU Ensign Rig #318 and support equipment. Set pumps & tanks. Fill 2 frac tanks with fresh water and heat to 165 deg. Make up drilling flange on wellhead. NU 11"x 7" spool, 7" mud cross & 5K BOP. Run 3" hard line, run 2" hard line. PU & TIH w/ 6.5" rock bit, BS, Float valve, 10 3.5" DC, 2 7/8" TBG. Drilled out plug at 150' (6'). At 301' still had not tagged. Tried to Pressure test surface CSG but could not get any pressure. Continued TIH. 6:00 a.m.</p>							



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Well Name & No.:		Butler Federal 1-20		Report #:	2	Report Date:	11/10/2018
County:	Weld	State:	CO	Rig:	ENSIGN 318	AFE Number:	
DIRECTIONS						AFE Amount:	
Perforations:						Horizontal Well:	YES
Production Casing						Vertical Well:	NO
MUD INFO						Kick Off Point (Feet):	
Vis		Weight		Water Loss		Liner Top	
Pumping Type:				SPM:		Measured Depth:	
Liners		Stroke Length (in.):		GPM		PBTD	
Bit Information						Date of Last Fluid Level:	
Daily Activity:						Supervisor: Olmstead / Donoho	
<p>6:00 a.m., This morning at 962' circulate well clean. Continue TIH to 1300', circulate well clean. TIH to 1800' still no issues getting down. Circulate hole clean at 4 bpm. Mud light to medium. TIH to 2130', break circ again, circulate 50 bbls and lost circulation. Pull back up hole to 1300', attempt to break circulation with no success. Pumped 900 bbls water while working pipe. No returns. TOO H to derick. LD drill collars. SWI. Break out tanks and pumps in order to set Fluid Pro mud tank.</p>							



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Well Name & No.:		Butler Federal 1-20		Report #:	3	Report Date:	11/11/2018
County:	Weld	State:	CO	Rig:	ENSIGN 318	AFE Number:	
DIRECTIONS						AFE Amount:	
Perforations:						Horizontal Well:	
Production Casing						Vertical Well	Yes
MUD INFO						Kick Off Point (Feet):	
Vis		Weight		Water Loss		Liner Top	
Pumping Type:				SPM:		Measured Depth:	
Liners		Stroke Length (in.):		GPM		PBTD	
Bit Information						Date of Last Fluid Level:	
Daily Activity:						Supervisor: Olmstead / Donoho	
<p>Fluid Pro Mud system arrive to location. Set mud tank. Re-set pumps. Run hard lines. Pull water on mud tank. Mix up gell and LCM. Mixed up 28 bags gell, 5 sks cotton, 10 sks sawdust, 5 bags cedar fiber. TIH w/ 589' TBG. Started stacking out. Broke circ and got good returns. Continued TIH to 3786'. At 5:50 this morning lost all returns. At 6:00 a.m. shift change, start mixing up LCM and pumping. No returns at shift change.</p>							



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Well Name & No.:		Butler Federal 1-20		Report #:	4	Report Date:	11/12/2018
County:	Weld	State:	CO	Rig:	ENSIGN 318	AFE Number:	
DIRECTIONS						AFE Amount:	
Perforations:						Horizontal Well:	
Production Casing						Vertical Well	Yes
MUD INFO						Kick Off Point (Feet):	
Vis		Weight		Water Loss		Liner Top	
Pumping Type:				SPM:		Measured Depth:	
Liners		Stroke Length (in.):		GPM		PBTD	
Bit Information						Date of Last Fluid Level:	
Daily Activity:						Supervisor:	Bryan Olmstead
<p>Not able to get fluid returns back at 3786'. Pull up hole to 2780'. Continue mixing LCM, was able to regain partial returns. Circulate to clean up wellbore. Trip back in hole to 3786'. Circulate wellbore here, still partial returns. Returns cleaned up, did lose 800 total bbls water. Decision was made to set cement plug at 3750'. TOO H with 57 stands and 2 singles, LD bit. SWI. Drain up all lines. Set up to pump cement in the morning.</p>							



**SCHNEIDER ENERGY CONSULTING
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Well Name & No.: Butler Federal 1-20		Report #: 5		Report Date: 11/13/2018	
County: Weld	State: CO	Rig: ENSIGN 318		AFE Number:	
DIRECTIONS				AFE Amount:	
Perforations:				Horizontal Well:	
Production Casing				Vertical Well Yes	
MUD INFO				Kick Off Point (Feet):	
Vis	Weight	Water Loss		Liner Top	
Pumping Type:			SPM:	Measured Depth:	
Liners	Stroke Length (in.):	GPM		PBSD	
Bit Information				Date of Last Fluid Level:	
Daily Activity:				Supervisor: Dave Donoho	
<p>TIH w/ 115 jt 2 7/8" TBG (3753.71'). Broke CIRC. Pumped 135 sacks 15.8# G cement w/ 2% CaCl. TOOH w/ 70 jt. Wait 4 hours. TIH tag cement at 3297'. TOOH & LD 98 jt. 17 jt in hole (556.68'). Pumped 315 sacks 15.8# G cement. Did not get cement to surface. Will tag in the morning.</p>					



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Well Name & No.:		Butler Federal 1-20		Report #:	6	Report Date:	11/14/2018
County:	Weld	State:	CO	Rig:	ENSIGN 318	AFE Number:	
DIRECTIONS						AFE Amount:	
Perforations:						Horizontal Well:	
Production Casing						Vertical Well	Yes
MUD INFO						Kick Off Point (Feet):	
Vis		Weight		Water Loss		Liner Top	
Pumping Type:				SPM:		Measured Depth:	
Liners		Stroke Length (in.):		GPM		PBTD	
Bit Information						Date of Last Fluid Level:	
Daily Activity:						Supervisor:	Gary Chandler
06:00 Hold Safety Meeting and Perform JSA. Csg=0#. 06:30 TIH open ended with 13 jts + 5' 2 7/8" tbg and tag at 432'. 07:30 MIRU Basic Cementers. 08:15 Pressure test pump and lines to 2000#. Brake circulation with 9 bbls pumping at 2 bpm at 100#. Mix and pump 170 sacks 35 bbls 15.8# Class"G" cement with 2% CaCl. to surface. Shut down. 09:00 TOOHH laying down 13 jts 2-7/8" 6.5# tbg. Top csg off. RDMO Basic. 11:00 RDMO Ensign #318 and support equipment. 13:00 Move to next location.							



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Well Name & No.:		Butler Federal 1-20		Report #:	7	Report Date:	11/15/2018
County:	Weld	State:	CO	Rig:	ENSIGN 318	AFE Number:	
DIRECTIONS						AFE Amount:	
Perforations:						Horizontal Well:	
Production Casing						Vertical Well	Yes
MUD INFO						Kick Off Point (Feet):	
Vis		Weight		Water Loss		Liner Top	
Pumping Type:				SPM:		Measured Depth:	
Liners		Stroke Length (in.):		GPM		PBTD	
Bit Information						Date of Last Fluid Level:	
Daily Activity:						Supervisor:	Gary Chandler
Miru Champion Oilfield Services. Dig out around well head with backhoe. Cut 8-5/8" Surface Casing of at 5' below greound level.							
Install dry hole marker plate. Back fill and level out to location grade.							