



RIVAL SERVICES
BISON OIL & GAS II, LLC



Well Name & No.: BENNER E		Report #: 1		Report Date: 9/19/2019	
County: WELD	State: CO	Rig: BRIGADE #94		API Number: 05-123-14241	
DIRECTIONS				AFE Amount:	
Perforations:				Horizontal Well: NO	
Production Casing 8-5/8" CSG AT 220'				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 6935'	
Bit Information				Date of Last Fluid Level:	
Daily Activity:				Supervisor: Olmstead / Donoho	
<p>12:00 Hold Safety Meeting and Perform JSA. MIRU Brigade Rig #94 and support equipment. Set pumps & tanks. Fill 2 frac tanks with fresh water. Make up drilling flange on wellhead. NU 9" spool, 9" mud cross & 9" X 5K BOP's. 18:00 RU pump and lines. 18:00 Crew change. PU 7-7/8" ROCK BIT, BIT SUB AND 1 3-1/2" DRILL COLLAR. TAGGED CEMENT @ 5', ESTABLISHED CIRCULATION AND DRILLED OUT 25' CEMENT PLUG, PU 3 3-1/2" DRILL COLLARS, AND TIH TO 480'. SHUT WILL IN AND ATTEMPT TO PRESSURE TEST THE SURFACE CASING, PRESSURE CLIMED TO 200 PSI AND STARTED PUMPING AWAY. OPENED WELL, TIH WITH 2-7/8" TUBING AND WASHED DOWN 656' (MIGHT HAVE DRILLED THROUGH WEAK CEMENT @ 515', COULDN'T TELL IF IF WAS A TIGHT SPOT OR WEAK CEMENT. IT WAS OLNLY FOR 5'). OIL AND A SMALL GAS KICK WAS CIRCULATED BACK TO SURFACE. CIRCULATE CLEAN. TOOH AND LD DRILL COLLARS, BIT SUB AND 7-7/8" BIT. PU NOTCHED COLLAR AND TIH WITH 23 JOINTS OF 2-7/8" TUBING DOWN TO 761' AND TAGGED UP. RU POWER SWIVEL. Shift change.</p>					
Tubing Detail:		Rod Detail:		Daily Costs:	
		Pump:			
Total: 0.00		Total: 0.00			



RIVAL SERVICES
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Well Name & No.: BENNER E		Report #: 2		Report Date: 9/20/2019	
County: WELD	State: CO	Rig: BRIGADE #94		API Number: 05-123-14241	
DIRECTIONS				AFE Amount:	
Perforations:				Horizontal Well: NO	
Production Casing 8-5/8" CSG AT 220'				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	PBTB 6935'	
Bit Information				Date of Last Fluid Level:	
Daily Activity:				Supervisor: Olmstead / Donoho	
<p>06:00 Hold Safety Meeting and Perform JSA. Finish rigging up power swivel. Establish circulation and swivel and circulate in hole 29 jts 2-7/8" J-55 tbg. TIH 5 jts swiveling in hole with 34 jts 2-7/8" J-55 tbg to 1124'. Circulate bottoms up. Swivel in hole 5 jts. Circulate bottoms up. Swivel in hole 5 jts. Circulate bottoms up. Swivel in hole 14 jts. Circulate bottoms up with 58 jts at 1917'. Lost about 1-1/2" in shaker tank 12:30 Adding fresh water to mud system and circulating. Swivel in hole 10 jts. Circulate bottoms up. Swivel in hole 10 jts. Circulate bottoms up. Swivel in hole 10 jts. Circulate bottoms up. Swivel in hole 7 jts. Tagged up with 95 jts at Circulate bottoms up at 3137'. 18:00 Crew change. REAM AND CIRCULATE DOWN EACH JOINT DOWN TO 4094', STOP AND CIRCULATE THE HOLE FOR ONE HOUR, GOT HEAVY MUD AND CUTTINGS BACK IN THE RETURNS, CIRCULATE CLEAN. START WASHING AND REAMING DOWN TO 4291' AND HIT A TIGHT SPOT, WORK PIPE THROUGH TIGHT SPOT AND CONTINUE TO CIRCULATE DOWN TL 4489'. STOPPED AND CIRCULATE THE HOLE FOR 1 HOUR. WASHED DOWN TO 4983' CIRCULATE THE HOLE FOR 1 HOUR (GETTING HEAVY MUD AND CUTTINGS BACK TO SURFACE) WASHED DOWN AND TAGGED THE CASING STUB AT 5741'. TRIED TO GET INTO CASING WITH NO SUCCESS, VERY STICKY AT STUB TOP. PULLED UP 3' AND CIRCULATE.</p>					
Tubing Detail:		Rod Detail:		Daily Costs:	
		Pump:			
Total: 0.00		Total: 0.00			



RIVAL SERVICES
BISON OIL & GAS II, LLC



Well Name & No.: BENNER E		Report #: 3		Report Date: 9/21/2019	
County: WELD	State: CO	Rig: BRIGADE #94		API Number: 05-123-14241	
DIRECTIONS				AFE Amount:	
Perforations:				Horizontal Well: NO	
Production Casing 8-5/8" CSG AT 220'				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	PBTB 6935'	
Bit Information			Date of Last Fluid Level:		
Daily Activity:				Supervisor: Olmstead / Donoho	
<p>06:00 Hold Safety Meeting and Perform JSA. Continue to rotate and circulate hole clean at 5741'. 8:00 MIRU Cementers Well Service pump truck. Pump 10 bbls of fresh water and 140 sacks (28.6 bbls) of Class G cement with 1% Calcium Chloride, mixed at 15.8 ppg. The cement was displaced with 28.6 bbls of 9.6# drilling mud, plug down at 9:45 AM on 9/21/19. TOO H and LD 17 joints pulling 30 seconds per joint, tubing pulled dry. TOO H and LD 17 more joints of tubing (34 total out of the hole). Establish circulation and circulate the hole for 3:30. 13:00 TIH and tag cement at 5563' at 13:45. TOO H to 1719'. 16:00 Pump 10 bbls of fresh water and 75 sacks (15.3 bbls) of Class G cement with 1% Calcium Chloride, mixed at 15.8 ppg. The cement was displaced with 9.8 bbls of 9.6# drilling mud, plug down at 16:15 PM on 9/21/19. TOO H and LD 36 joints of tubing to 530' (16 jts in the hole.). 17:00 Pump 10 bbls of fresh water and 280 sacks (57.2 bbls) of Class G cement with 1% Calcium Chloride, mixed at 15.8 ppg with returns to surface and plug down at 17:30 PM on 9/21/19. Start rigged down and moving to the Carlson location. Shut down due to rain.</p>					
Tubing Detail:		Rod Detail:		Daily Costs:	
		Pump:			
Total: 0.00		Total: 0.00			