



Well Services

Superior Energy

TREATMENT
REPORT

P.O. BOX 329

FORT LUPTON, CO 80621

303-654-9202

DATE 5-30-19

FIELD TICKET # _____

WELL NAME & NO. <u>Guttorson State 014-23</u>		LOC. <u>Behler 5</u>		SERIAL # <u>05-123-28199</u>		LIFT PRESSURE & POP OFF LIFT: <u>2325 / 506</u> POP OFF: <u>1500 / 500</u>		
PUMP: <u>2900</u>	BULK: <u>2883</u>	JOB PUMPED THRU: TUBING CASING ANNULUS		WATER PH: <u>7.4</u>		TYPE OF CEMENT: <u>GNEAT</u>		
COUNTY: <u>Weld</u>	STATE: <u>CO</u>	WELL TYPE: OIL GAS WATER INJ.		CASING SIZE: <u>4 1/2" 11.6"</u>		CASING DEPTH: <u>N.A. / 913'</u>		
CUSTOMER NAME: <u>NOBLE - Jess Jacobs</u>		AGE OF WELL: NEW REWORK		TUBING SIZE: <u>2 3/8" 4.7"</u>		TUBING DEPTH: <u>2519'</u>		
JOB SUPERVISOR: <u>Mark Schilling, Dan Flaygare, Josh Noble, Matt Bulinski</u>		JOB TYPE: <u>Balance Plug / Shoe Plug</u>		OPEN HOLE: <u>9"</u>		CSG OR ANRI VOL:		
SERVICE RATED: POOR FAIR EXCELLENT				TBG VOLUME:				
REMARKS: <u>SKS - 309 + 40 = 349</u> <u>BAL - 63.3 + 8.2 = 71.5</u> <u>Sugar - 180 lbs</u> <u>Mud Flush - 10 bbls</u>				WELL INFORMATION				
CUSTOMER SIGNATURE: <u>Arrive time 9am</u> <u>Had to wait 2 hrs for</u> <u>Pressure testing of TBG</u>				DESCRIPTION		DEPTH		
				Tbg Depth		2519'		
				TO CTS		1990'		
				Prodc. Csg. Dist.		913		
				Surf Csg.		713		
				Pumped thru Csg. to Surface				
TIME	INJECTION		PRESSURE		CEMENT SLURRY		REMARKS	
	RATE	BBLS IN	CSG	TBG	WEIGHT	YIELD		
800							Arrive on Site	
1020							JSA CMT Crew	
1024							Rig Up	
1051							JSA Rig Crew	
1100			2000				Test Lines	
1107	1.4	3.0	800		8.3		Break Circulation	
1113	2.0	8.2	1000		15.8	1.15	Pump CMT, GNEAT, 40 SKS @ 15.8"	
							Verify by Scale	
1116	2.2	7.5	1000		8.3		Pumps Displacement	
1120							Shut Down, Wash up	
1130							Wait for wireline to cut CSG and	
							Rig to Circulate thru cuts	
230	1.3	10.0	400		8.5		Pump Mud Flush	
237	1.3	5.0	400		8.3		Pump H ₂ O Spacer	
242	1.4	63.3	150		15.8	1.15	Pump CMT, GNEAT, 309 SKS @ 15.8"	
							Verify by Scale	
329							Shut down & wait for top off	
350							CMT did not fall, No top off needed	
356							Wash up & Rig down	
500							Leave Location	
TIME & EQUIPMENT CHARGES					PRICE PER UNIT		MATERIALS CHARGES	
2 Man Crew & Pump							Class G Cement (50SK Min)	
2 Man Crew, Pump Plus Bulk Truck							Class G + Gas Check Blend	
Additional Bulk Truck							Sugar	
Additional Time On Location After 4 HRS					HR		Mud Flush	
Job Cancellation							Calcium Chloride	