

US ROCKIES REGION  
Operation Summary Report

Well: **HSR-WILDER 15-8A**

Spud date: 4/14/1992

Project: COLORADO-WELD-NAD83-UTM13

Site: HSR-WILDER 15-8A

Rig name no.: RANGER 21/21

Event: ABANDONMENT

Start date: 3/11/2020

End date: 7/28/2020

Active datum: RKB @4,906.99usft (above Mean Sea Level)

UWI: 0/3/N/66/W/8/0/SESW/6/0/S/-659/E/0/1977/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
11/13/2019	12:00 - 13:00	1.00	ABANDP	53	B	P		FORM 17 TEST
	12:00 - 13:00	1.00	LOCPRP	53	B	P		ANCHORS PLUSS STRING FENCED LOCATION FOR UP COMING RIG OPS.
2/21/2020	12:00 - 13:00	1.00	ABANDP	53	B	P		<b>FORM 17 TEST</b>
3/6/2020	10:15 - 10:30	0.25	ABANDP	48	B	P		COMPLETE JSA.
	10:30 - 13:00	2.50	ABANDP	35	A	P		PRESSURES- TBG 650 PSI, CSG 600 PSI. MIRU, RIH W/2" JUC FISHING TOOL AND RETRIVE BOLT PLUNGER @7078', POOH. RIH AND FISH STANDING VALVE @7079', POOH. RIH W/ 1.75" BLIND BOX AND TAG @7866' POOH. NO FLUID DETECTED IN WELL BORE. SE WELL.
	13:00 - 13:15	0.25	ABANDP	35	1	P		RDMO SLICKLINE.
3/11/2020	11:30 - 12:00	0.50	ABANDP	30	A	P		ROAD RIG AND EQUIPMENT TO LOCATION.
	12:00 - 12:30	0.50	ABANDP	48	B	P		UPDATE WHITE BOARD W/HSR-WILDER 15-8A EMERGENCY INFO., JSA MEETING W/RANGER CREW AND TRUCKING. DE-ENERGIZING WELLHEAD-CHECKING PRESSURES.
	12:30 - 17:00	4.50	ABANDP	30	A	P		SPOTTERS-MOVING EQUIPMENT. RU RIG. PRESSURES- TBG 632 PSI, CSG 562 PSI, SFC 0 PSI. DE-ENERGIZE PRODUCTION TREE. SPOT IN RIG BEAM, MEASURE OUT PUMP AND TANK SAFETY SET BACKS. SET PUMP AND TANKS. RU RIG, INSTALL SFC FITTINGS, RU PUMP AND LINES. RUN GROUND CABLES FMWH TO RIG, PUMP AND TANKS. DERRICK PINS PINNED AND FLAGGED. NPT TRUCKING DELIVERED TUBING FLOAT #681. ENSIGN TRUCKING DELIVERED 2-165 BBL LOADS FRESH WATER W/BIO.
	17:00 - 17:30	0.50	ABANDP	30	G	P		CREW TRAVEL TO RANGER YARD.
3/12/2020	6:00 - 6:30	0.50	ABANDP	30	G	P		CREW TRAVEL TO LOCATION.
	6:30 - 7:30	1.00	ABANDP	48	B	P		JSA MEETING W/RANGER CREW & RMOR TORQUE AND TEST.
	7:30 - 7:45	0.25	ABANDP	30	M	P		START EQUIPMENT. PRESSRUES- TBG 632 PSI, CSG 562 PSI, SFC 0 PSI.
	7:45 - 8:00	0.25	ABANDP	31	1	P		ND PRODUCTION TREE. RU PUMP LINES TO CSG AND TBG.

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Project: COLORADO-WELD-NAD83-UTM13	Site: HSR-WILDER 15-8A		Rig name no.: RANGER 21/21
Event: ABANDONMENT	Start date: 3/11/2020		End date: 7/28/2020
Active datum: RKB @4,906.99usft (above Mean Sea Level)		UWI: 0/3/N/66/W/8/0/SESW/6/0/S/-659/E/0/1977/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	8:00 - 9:00	1.00	ABANDP	30	D	P		MIRU RMOR TORQUE AND TEST. TORQUE BOP TO TEST STUMP. LOAD STACK W/WATER. STARTING ACCUMULATOR MANIFOLD PRESURE-1800 PSI. CYCLED BOTH RAMS TWICE, ENDING MANIFOLD PRESSURE 1300 PSI-500 PSI LOSS-GOOD TEST.  BLIND RAM TEST ON STUMP. LOW TEST- 250 PSI F/5 MINUTES-GOOD TEST. HIGH TEST-5000 PSI F/15 MINUTES-50 PSI/1% LOSS.  INSTALL N-80 2 3/8" 8RD EUE SUB IN STUMP HANGER. PIPE RAM TEST ON STUMP. LOW TEST-250 PSI F/5 MINUTES-GOOD TEST. HIGH TEST-5000 PSI F/15 MINUTES-GOOD TEST. BOTH RANGER TIW VALVES TESTED TO 250 PSI AND 5000 PSI F/10 MINUTES EACH. TIW'S TESTED DURING WELL CONTROL.
	9:00 - 9:25	0.42	ABANDP	30	E	P		OPENED CASING TO WT-PRESSURE RECORDED (562 PSI) WAS TRAPPED PRESSURE-PRESSURE BLED TO 0 PSI-NO GAS RETURNED TO TANK.  CONTROL 2 3/8" TUBING, 4.5" CSG AND 2 7/8" LINER TO TOP J-SAND PERF=35.6 BBLS  INITIAL PUMP RATE 3.3 BPM @500 PSI. KILL W/FRESH WATER + BIO. LOADED W/35.6 BBLS (CAPICITY) DROP PUMP RATE TO 2 BPM @400 PSI. PUMP AN ADDITIONAL 11 BBLS OVER CAP. TOTAL PUMPED=46.5, KILL PUMP-PRESSURE 0 PSI-NO FLOW-SLIGHT VACCUME.
	9:25 - 10:15	0.83	ABANDP	30	F	P		BACK OUT HANGER PINS. BREAK NUTS LOOSE ON WH STUDS. UNFLANGE TUBING HEAD. PULL TUBING HANGER OUT CHECKING TUBING WEIGHT (28K LBS) FOR UNSETTING PACKER. NU BOP AND TORQUE. INSTALL 2 3/8" N-80 SUB INTO HANGER.
	10:15 - 11:00	0.75	ABANDP	30	D	P		LOAD STACK W/WATER. SHUT PIPE RAMS.  PIPE RAM PRESSURE TEST ON WH. LOW TEST-250 PSI F/5 MINUTES-GOOD TEST. HIGH TEST-5000 PSI F/15 MINUTES-GOOD TEST. RU RIG FLOOR & TONGS.
	11:00 - 11:15	0.25	ABANDP	31	1	P		
	11:15 - 12:00	0.75	ABANDP	31	C	P		LOAD TUBING W/18 BBLS FRESH + BIO. DOWN HOLE TOOLS RELEASED AS1 4 1/2" X 2 3/8" PRODUCTION PACKER SET @6829'-LET PACKER PACKER ELEMENTS RELAXE. PULL TUBING HANGER AND BREAK OFF, LD 1 JT AND INSTALL TIW ON JT AND TIW ON TUBING.
	12:00 - 12:15	0.25	ABANDP	48	B	P		JSA MEETING W/RANGER CREW AND HOLE SEEKERS-REVIEW JSA'S FOR RU AND RUNNING TUBING SCAN. HAZARDS ASSOCIATED AND JOB RESPONSIBILITIES.
	12:15 - 12:30	0.25	ABANDP	30	L	PT		LUNCH BREAK.

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	12:30 - 12:45	0.25	ABANDP	31	1	P		MIRU HOLE SEEKERS EMT UNIT. RU
	12:45 - 13:00	0.25	ABANDP	30	E	P		LOAD HOLE BEFORE TOO. H. CSG=31.4 BBLS (FL-3109'), TBG=10 BBLS (FL-2584') 41.4 BBLS TOTAL
	13:00 - 16:00	3.00	ABANDP	31	I	P		TOOH LOADING HOLE W/FRESH WATER + BIO AND EMI SCANNING 2 3/8" 4.7# J-55 EUE. PULLED 28 JTS TO DERRICK, LD 189 JTS, AS1 PKR, 8 MORE JTS, XN. 225 TOTAL JTS PULLED AND SCANNED (7074'). 225 YELLOW BAN. TOTAL FLUID PUMPED FOR WELL CONTROL=89 BBLS.
	16:00 - 16:30	0.50	ABANDP	31	1	P		RD HOLE SEEKERS EMI EQUIPMENT AND RELEASE.
	16:30 - 17:00	0.50	ABANDP	30	I	P		SHUT BLIND RAMS AND LOCK. SI WELL AND SECURE W/BULL PLUGS. DRAIN PUMP AND LINES.
	17:00 - 17:30	0.50	ABANDP	30	G	P		CREW TRAVEL TO RANGER YARD.
3/13/2020	6:00 - 6:30	0.50	ABANDP	30	G	P		CREW TRAVEL TO LOCATION.
	6:30 - 7:00	0.50	ABANDP	48	B	P		JSA MEETING W/RANGR CREW, RELIANCE WL & ENSIGN TRUCKING. JOB SCOPE, RESPONSIBILITIES, ASSOCIATED HAZARDS, RED ZONE & COMMUNICATION.
	7:00 - 7:15	0.25	ABANDP	30	M	P		START EQUIPMENT. PRESSURES- CSG -5 PSI, SFC 1 PSI. PRIME PUMP.
	7:15 - 7:45	0.50	ABANDP	30	E	P		LOAD PRODUCTION CASING W/88 BBLS FRESH + BIO @ 3 BPM @ 400 PSI, FLUID LEVEL 5662'. MONITOR WELL. ENSIGN DELIVERED 110 BBLS FRESH + BIO.
	7:45 - 8:00	0.25	ABANDP	34	1	P		MIRU RELIANCE WL W/PACKOFF.
	8:00 - 8:45	0.75	ABANDP	34	O	P		RIH W/3.75" GR/JB TO 7056', TAGGED FL @200', POOH.
	8:45 - 12:00	3.25	ABANDP	34	I	P		RIH W/4.5" 10K 3.56" OD CIBP (FL-1500'), CORRELATE TO CSG COLLARS PROVIDED. SET J-SAND CIBP @7440', POOH. TOP OFF CASING W/18 BBLS (FL-1801'). RIH AND DUMP BAIL 2 SKS CEMENT ON TOP. POOH, RIH W/4.5" 10K 3.56" OD CIBP, CORRELATE TO CSG COLLARS PROVIDED. SET NIOBRARA CIBP @7030', POOH. TOP OF CASING W/22 BBLS. RIH AND DUMP BAIL 2SKS CEMENT ON TOP. POOH.
	12:00 - 12:30	0.50	ABANDP	33	C	P		LOAD 4.5" CASING W/9 BBLS FRESH + BIO. PRESSURE TO 890 PSI, PRESSURE STABILIZED @853 PSI F/15 MINUTES-GOOD PRESSURE TEST.
	12:30 - 13:10	0.67	ABANDP	37	E	P		PU AND RIH W/8' 3 1/8" SELECT FIRE GUN. GET ON DEPTH AND PERFORATE 4 1/2" CASING F/1200'-04" W/4' 4 SPF 120 DEGREE PHASING .59" EH 20 GRAM CHARGE, PULL TO 800' AND GET ON DEPTH. SHOOT UPPER SQUEEZE HOLES F/800'-04" W/4' 4 SPF 120 DEGREE PHASING .59" EH 20 GRAM CHARGE, POOH, ALL SHOTS FIRED.
	13:10 - 13:40	0.50	ABANDP	34	1	P		RD AND RELEASE WL.
	13:40 - 14:15	0.58	ABANDP	31	I	P		PU DOWN HOLE TOOLS 4 1/2" 32A PKR W/UNLOADER. BHA=6.84', 27 JTS-846.72'. SET PACKER @853.69' KB, RU TUBING EQUIPMENT.

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	14:15 - 14:45	0.50	ABANDP	31	H	P		HOLE LOADED. BREAK CIRCULATION DOWN TUBING @1.7 BPM @550 PSI W/2 GALLONS MF IN A 3.4 BBL SWEEP. POOR RETURNS-ROCKED ANNULAS BOTH DIRECTIONS UNTIL CIRCULATION PICKED UP (30 MINUTES).
	14:45 - 15:45	1.00	ABANDP	31	H	P		BRING PUMP RATE TO 3 BPM @700 PSI, PUMP 1 GALLON MF IN A 3 BBL SWEEP. RETURNS HEAVY MUD & DEHYDRATED MUD FOR FIRST FULL CIRCULATION (64 BBLs) W/SOME LEL'S AT FIRST. 90 BBL CIRCULATION, PUMP PRESSURE 450 PSI.
	15:45 - 16:30	0.75	ABANDP	31	H	P		INCREASE PUMP RATE TO 4.5 BPM @ 600 PSI, PUMP 1 GALLON GEL SWEEP IN A 4.5 BBL SWEEP. FINAL CIRCULATION PRESSURE 550 PSI. 202.5 BBL CIRCULATION. RETURNS SMALL AMOUNT OF DEHYDRATED MUD, GAS IN RETURNS. 292.5 BBL TOTAL CIRCULATION, 6.3 BBL MUD LOSS/DISPLACEMENT.
	16:30 - 17:00	0.50	ABANDP	31	I	P		RD TUBING EQUIPMENT, <b>RELEASE PACKER</b> , LD 1 JT AND REMOVE WH RUBBER. CASING STARTED FLOWING. MONITOR-FLOW GOT STRONGER.
	17:00 - 18:00	1.00	ABANDP	31	H	D		CONVENTIONAL CIRCULATE @2 BPM @200 PSI. CIRCULATE GAS OUT, RD TUBING EQUIPMENT, INSTALL WH RUBBER.
	18:00 - 18:30	0.50	ABANDP	31	I	P		LD 2 MORE JTS, <b>RESET PKR @759.67'</b> W/24 JTS + BHA. CLOSE PIPE RAMS AND LOCK. SI WH AND SECURE.
	18:30 - 19:00	0.50	ABANDP	30	I	P		DRAIN PUMP AND LINES. SECURE TANKS AND LOCATION.
	19:00 - 19:30	0.50	ABANDP	30	G	P		CREW TRAVEL TO RANGER YARD.
3/16/2020	6:00 - 6:30	0.50	ABANDP	30	G	P		CREW TRAVEL TO LOCATION.
	6:30 - 6:45	0.25	ABANDP	48	B	P		JSA MEETING W/RANGER CREW. TEMP. WHITE HAT, NEW EMPLOYEE-GREEN HAT. EMPLOYEE-EXPECTATIONS-COMMUNICATION, MENTOR AND MENTORING GREEN HAT. JOB SCOPE AND HAZARDS.
	6:45 - 7:00	0.25	ABANDP	30	M	P		START AND WARM EQUIPMENT. PRESSURES- TBG 356 PSI, CSG 114 PSI (PACKER SET-TRAPPED PRESSURE) SFC 45 PSI.
	7:00 - 7:15	0.25	ABANDP	31	I	P		RU TBG EQUIPMENT TO CIRCULATE.
	7:15 - 7:30	0.25	ABANDP	33	F	P		BLOW DOWN TUBING AND CASING TO WT. PRESSURES BLED OFF IN 1 1/2 MINUTES TO 0 PSI. NO FLOW-LEL'S PRESENT.
	7:30 - 7:45	0.25	ABANDP	31	H	P		OPEN UNLOADER ON PACKER. LOAD W/ 2BBLs FRESH + BIO. CIRCULATE GAS OUT @ 3BPM @ 350 PSI-35 BBL CIRCULATION. MONITOR-WELL STATIC.
	7:45 - 8:00	0.25	ABANDP	31	I	P		<b>RELEASE 4 1/2" 32 A PACKER</b> , PU 3 JTS AND <b>RESET PACKER @853.69'</b> KB W/27 JTS. RU TUBING EQUIPMENT.

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	8:00 - 10:00	2.00	ABANDP	31	H	P		BREAK CIRCULATION @ 2 BPM @300 PSI W/FRESH WATER + BIO. INCREASE RATE TO 4 BPM @500 PSI. SOME LEL'S DURING INITIAL CIRCULATION. NO LEL'S DETECTED AFTER THAT. FINAL CIRCULATING PRESSURE 500 PSI. 480 BBL CIRCULATION (7.4 CIRCULATION VOLUME) MONITOR 5 MINUTES-WELL STATIC.
	10:00 - 11:00	1.00	ABANDP	33	G	P		SI WELL. MONITOR PRESSURES 1 HOUR.  10:00 TBG 0 PSI CSG 0 PSI SFC 260 PSI-PURGE PRESSURE TO WT 10:15 TBG 0 PSI CSG 4 PSI 10:30 TBG -.6 PSI CSG 7 PSI 10:45 TBG -.2 PSI CSG 7 PSI 11:00 TBG -.2 PSI CSG 7 PSI SFC 161 PSI-PURGE TO WT.
	11:00 - 11:15	0.25	ABANDP	46	A	P		LEL'S PRESENT ON CSG AND SFC. REPORT TO ENGINEER-DISCUSS PLAN. APPROVED TO CEMENT SQUEEZE PERFS.
	11:15 - 12:15	1.00	ABANDP	31	I	P		RELEASE PACKER, PULL WH RUBBER, LD 1 JT TOOH TO DERRICK W/13 STANDS. LD PACKER, PU DOWN HOLE TOOLS 4 1/2 " 10K 3.59" OD CICR. TIH, INSTALL WH RUBBER, SET CICR @ 860' W/ CICR, XN, 26 JTS, 1-10' SUB AND JT#27. PRESSURE TEST TUBING TO 1000 PSI F/5 MINUTES-GOOD TEST.
	12:15 - 14:00	1.75	ABANDP	31	H	P		2 BPM @ 200 PSI W/FRESH + BIO. NO LEL'S DETECTED DURING CIRCULATING OPERATIONS. MIRU BASIC CEMENT EQUIPMENT AND MUD TRUCK. 200 BBL CIRCULATION.
	14:00 - 14:15	0.25	ABANDP	33	G	P		MONITOR WELL-WELL STATIC.
	14:15 - 14:30	0.25	ABANDP	48	B	P		JSA MEETING W/RANGER CREW, BASIC CEMENT, DHT-TOOL HAND, ENSIGN TRUCKING. REVIEW PROCEDURS-RESPONIBILITIES/APPOINT PERSONNEL-ASSOCIATED HAZARDS-NEW GREEN HAT ON LOCATION.
	14:30 - 15:20	0.83	ABANDP	51	A	P		TEST WATER-PH 8.2 TEMPERATURE 65F. PRESSURE TEST TO 2500 PSI-GOOD TEST. PUMP 10 BBLs MUD FLUSH, 5 BBL SPACER, MIX 187 SKS (41 BBLs) 15.8 PPG 1.23 YLD AGM CEMENT, DISPLACED .6 BBLs LEAVING 3 BBLs CEMENT IN TUBING TO DISPLACE ON TOP OF CICR AND TOP PERFS. STING OUT OF CICR. RD BASIC FROM TUBING TO WASH UP LINE.
	15:20 - 15:30	0.17	ABANDP	31	I	P		LD 7 JT AND 10' SUB DISPLACING CEMENT ON TOP OF CICR. EOT @630'
	15:30 - 15:45	0.25	ABANDP	31	H	P		RU KELLY LINE TO TBG, REVERSE CIRCULATE TUBING CLEAN W/20 BBLs FRESH WATER W/BIO @ 2 BPM @ 350 PSI. ESTIMATED CEMENT RETURNED TO TANK 2 BBLs.
	15:45 - 16:00	0.25	ABANDP	31	I	P		RD TUBING EQUIPMENT. TOOH LD 20 JTS. SHUT BLIND RAMS AND LOCK.
	16:00 - 16:30	0.50	ABANDP	30	I	P		DRAIN PUMP AND LINES, SECURE TANKS AND LOCATION.
	16:30 - 17:00	0.50	ABANDP	30	G	P		CREW TRAVEL TO RANGER YARD.

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3/17/2020	6:00 - 6:30	0.50	ABANDP	30	G	P		CREW TRAVEL TO LOCATION.
	6:30 - 7:00	0.50	ABANDP	48	B	P		JSA MEETING W/RANGER CREW (GREEN HAT) AND RELIANCE WL. JOB SCOPE, RESPONSIBILITIES, ASSOCIATED HAZARDS. GREEN HAT MENTOR.
	7:00 - 7:30	0.50	ABANDP	30	M	P		START EQUIPMENT, PRESSURES- CSG -1 PSI, SFC 100 PSI. TIE SURFACE CASING LINE TOGETHER.
	7:30 - 8:00	0.50	ABANDP	34	1	P		MRU WL W/PACKOFF.
	8:00 - 8:30	0.50	ABANDP	37	E	P		PU AND RIH W/ 3 1/8" 4' 4SPF 120 PHASING .59" EH 20 GRAM CHARGE PERF GUN. TAG TOC @ 630', GET ON DEPTH AND SHOOT SQUEEZE HOLES F/615'-619'. POOH, ALL SHOTS FIRED.
	8:30 - 8:45	0.25	ABANDP	31	H	P		HOLE LOADED. BREAK CIRCULATION AND PUMP 1 GALLON MF IN A 4 BBL PILL. PUMP RATE 2.4 BPM @150 PSI-GOOD CIRCULATION W/SOME LEL'S. PUMPED 36 BBLS. HOLE VOLUME W/100% OH EXCESS=42.3
	8:45 - 9:00	0.25	ABANDP	31	H	P		INCREASE PUMP RATE TO 4 BPM @200 PSI. 60 BBL CIRCULATION, TOTAL 102.3 BBLS
	9:00 - 15:15	6.25	ABANDP	31	H	P		INCREASED PUMP RATE TO 5.5 BPM @ 600 PSI. LITTLE TO NO DEHYDRATED MUD BACK IN RETURNS AND NO LEL'S PRESENT AT END OF CIRCULATION. FLUSHED HOLE W/50 BBLS CLEAN FRESH WATER + BIO. 2063 BBL CIRCULATION. 2207.6 TOTAL BBL CIRCULATION FOR THE DAY. FINAL CIRCULATION PRESSURE=500 PSI. ENSIGN DELIVERED 110 BBLS FRESH + BIO. HAULED 165 BBLS MUD TO ARF.
	15:15 - 16:00	0.75	ABANDP	30	J	P		RD FLOOR AND TONGS. ND BOP AND TUBING HEAD. AFTER REMOVING TUBING HEAD NOTICED BUBBLE'S RISING TO SURFACE IN THE PRODCUTION CASING-6% LEL'S PRESENT-NOTIFIED FOREMAN. INSTALL 4.5" SWEDGE W/VALVE ON PRODUCTION CASING. SI WELL AND SECURE.
	16:00 - 16:30	0.50	ABANDP	30	I	P		DRAIN PUMP AND LINES. SECURE TANKS.
3/18/2020	16:30 - 17:00	0.50	ABANDP	30	G	P		CREW TRAVEL TO RANGER YARD.
	6:00 - 6:30	0.50	ABANDP	30	G	P		CREW TRAVEL TO LOCATION.
	6:30 - 6:45	0.25	ABANDP	48	B	P		JSA MEETING W/RANGER CREW-JOB SCOPE, GREEN HAT MENTOR.
	6:45 - 7:00	0.25	ABANDP	30	M	P		START EQUIPMENT. PRESSRUES- CSG 185 PSI, SFC 174 PSI.
	7:00 - 7:15	0.25	ABANDP	33	F	S		BLOW CSG DOWN TO WT-PRESSRUE BLED OFF IN 3 SECONDS W/LEL'S, NO FLOW OR BLOW. BLOW SURFACE CASING DOWN-JUST A PUFF OF GAS, NO FLOW OR BLOW. MONITOR WELL-NO FLOW OR BLOW AT TANK. BREAK KELLY OFF CSG-GAS BUBBLES BREAKING OUT AT SURFACE.
	7:15 - 7:30	0.25	ABANDP	31	H	S		PRIME PUMP. HOLE LOADED-BREAK CIRCULATION, PUMP RATE 3 BPM @350 PSI, PUMPED 50 BBLS CLEAN FRESH WATER + BIO.  ASSEMBLE SWAB LUBRICATOR WHILE MONITORING WELL.

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	7:30 - 7:45	0.25	ABANDP	33	G	P		MONITOR WELL-LOW FLOW AT TANK, MONITOR UNTIL FLOW STOPPED.
	7:45 - 8:45	1.00	ABANDP	30	F	P		ASSEMBLE SWAB LUBRICATOR WHILE MONITORING WELL. CLEAN TUBING HEAD, PREP ACUUMULATOR, BREAK 4 1/2" SWEDGE OFF, INSTALL 5K 4 1/2" FLANGED TBG HEAD W/NEW R46 GASKET. NU BOP, TORQUE NUTS. RU RIG FLOOR AND TONGS.
	8:45 - 9:15	0.50	ABANDP	31	I	P		TALLY 19 JTS 2 3/8" 4.7# J-55 EUE. PU 2 3/8" XN NIPPLE W/NC, TIH RABBETING TUBING. PU 19 JTS=596.38' + NC/XN=1.20 + TBG HANGER AND 8' SUB. EOT LANDED @605.58' KB (9.42' ABOVE SQUEEZE PERFS).
	9:15 - 10:00	0.75	ABANDP	31	1	P		RU TIW ON TUBING, FLOW T, PU SWAB LUBRICATOR AND ADD NEW FLAGGING TO SWAB LINE.
	10:00 - 14:30	4.50	ABANDP	42	B	P		BEGIN SWABBING: EOT=605.58 <b>PERFS=615'-19'</b>  ITBG- 0 PSI    ICSG-0 PSI    ISFC-0 PSI FTBG-0 PSI    FCSG-0 PSI    FSFC-0 PSI SWAB WITH PRODCUTION AND SURFACE CASING VALVES OPEN.  IFL-SURFACE 11:00 FL-300'    10.2 BBLS 12:00 FL-450'    3.2 BBLS    TOTAL 13.4 12:30 FL-500'    WAIT ON FLUID ENTRY 13:00 FL-300'    2.7 BBLS    TOTAL 15.7 13:30 FL-500'    WAIT ON FLUID ENTRY 14:00 FL-350'    2.1 BBLS    TOTAL 17.8 14:30 FL 550'    0.2 BBLS    TOTAL 18.0 FFL-550' NOT ENOUGH FLUID TO RECOVER/PULL.  GAS CUT FLUID AT THE END OF EACH PULL AND NO FLOW OR BLOW .  MADE 30 SWAB RUNS REPORT TO FOREMAN-ORDERS TO SHUT IN AND RECORD PRESSURES IN THE AM.
	14:30 - 15:30	1.00	ABANDP	30	I	P		RD SWAB, PULL HANGER-DRAIN FLUID IN BOP, RELAND, SHUT PIPE RAMS AND LOCK PIPE RAMS. SECURE WH, DRAIN PUMP AND LINES.
	15:30 - 16:00	0.50	ABANDP	30	G	P		CREW TRAVEL TO RANGER YARD.
3/19/2020	6:00 - 6:30	0.50	ABANDP	30	G	P		CREW TRAVEL TO LOCATION.
	6:30 - 6:45	0.25	ABANDP	48	B	P		JSA MEETING W/RANGER CREW. STOP AND THINK-STAY ON TASK AT HAND.
	6:45 - 7:15	0.50	ABANDP	30	M	P		START EQUIPMENT. PRESSURES-TBG 84 PSI, CSG 49 PSI, SFC 0 PSI. NO LEL ON SFC, TUBING AND CASING LEL's.

**US ROCKIES REGION**  
**Operation Summary Report**

Well: HSR-WILDER 15-8A

Spud date: 4/14/1992

Project: COLORADO-WELD-NAD83-UTM13

Site: HSR-WILDER 15-8A

Rig name no.: RANGER 21/21

Event: ABANDONMENT

Start date: 3/11/2020

End date: 7/28/2020

Active datum: RKB @4,906.99usft (above Mean Sea Level)

UWI: 0/3/N/66/W/8/0/SESW/6/0/SI-659/E/0/1977/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	7:15 - 10:00	2.75	ABANDP	33	F	P		BLOW TUBING AND CASING DOWN TO WT. BOTH BLEW DOWN IN 7 SECONDS, SOME LEL'S PRESENT. MONITOR/VENT WELL. DECISION MADE TO RELAESE RIG CREW. CREW TRAVEL TO RANGER YARD.
	10:00 - 10:30	0.50	ABANDP	30	G	P		
	10:30 - 13:00	2.50	ABANDP	33	F	P		WSS MONITOR AND VENT WELL. HOURLY CHECKS: TBG-6% LEL's CSG-2% LEL's SFC-0% LEL's SHUT IN WELL AND SECURE WELL.
3/23/2020	6:00 - 6:30	0.50	ABANDP	30	G	P		CREW TRAVEL TO LOCATION.
	6:30 - 7:00	0.50	ABANDP	48	B	P		JSA W/RANGER CREW-3 MAN CREW W/1 SSE. JOB SCOPE, WATCHING OUT FOR ONE ANOTHER, FOCUSED ON TASKS. MENTORING NEW SSE,.
	7:00 - 7:30	0.50	ABANDP	30	M	P		START EQUIPMENT, DAILY INSPECTION, PRESSRUES- TBG 84 PSI, CSG 49 PSI, SFC 0 PSI. LEL'S PRESENT ON ALL.
	7:30 - 7:45	0.25	ABANDP	46	A	P		REPORT PRESSURES TO ENGINEER AND FOREMAN. ORDERS TO PULL TUBING, C&C ANNULAS AND PRESSURE BUILD UP.
	7:45 - 8:15	0.50	ABANDP	31	I	P		OPEN PIPE RAMS, PULL TBG HANGER, LD 19 JTS AND XN W/3 MAN CREW W/1 SSE. SHUT BLIND RAMS AND LOCK.
	8:15 - 9:00	0.75	ABANDP	31	1	S		RU DUAL SFC OUTLET RETURN LINE. RU SUCTION HOSES, RECORD TANK GUAGES. PRIME PUMP.
	9:00 - 9:20	0.33	ABANDP	31	H	P		BREAK CIRCULATION W/21.7 BBLs FRESH + BIO @ 3.3 BPM @ 200 PSI. AFTER PUMPING 5 BBLs ADDED 1 GALLON GEL SWEEP IN A 4 BBL PILL. SWEEP BACK IN 15 MINUTES=49.5 BBL HOLE VOLUME. 6% LEL'S IN RETURNS WITH SMALL DEHYDRATED MUD SOLIDS. 66 BBL CIRCULATION.
	9:20 - 12:00	2.67	ABANDP	31	H	P		4TH HAND ARRIVED @09:00 INCREASE PUMP RATE TO 5 BPM @ 300 PSI. ADDED 1 GALLON GEL SWEEP IN 10 BBL PILL-RETURNED TO SURFACE IN 6.5 MINUTES W/1-4% LEL'S AHEAD OF SWEEP RETURNING AND DURING SWEEP. LEL'S DROPPED TO 0-1% AFTER SWEEP W/LITTLE TO NO SOLIDS IN RETURNS.  10:30 0% LEL'S AT RETURNS 11:00 0% 11:30 0% 12:00 0%  FINAL CIRCULATING PRESSURE 300 PSI. 800 BBL CIRCULATION THIS TIME FRAME + 49.5=849.5 TOTAL CIRCULATION. WELL STATIC AFTER KILLING PUMP.



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Rig name no.: RANGER 21/21

Event: ABANDONMENT

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Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	12:00 - 14:00	2.00	ABANDP	33	G	P		SHUT WELL IN-PRESSURES STARTED BUILDING IMMEDIATELY. AT 12:12 CSG 2.6 PSI, SFC 6 PSI. REPORTED TO ENGINEER AND FOREMAN. DECISION WAS MADE TO LEAVE WELL OPEN UNTIL 14:00 HRS AND SHUT IN FOR PRESSURE BUILD UP. STEADY DRIP AT GAS BUSTER FIRST HALF HOUR THEN NOTHING.
	14:00 - 15:00	1.00	ABANDP	33	G	P		ONE HOUR PRESSURE BUILD UP.  WITH LIQUID GUAGE CSG 4.5 PSI SFC 4.5 PSI OPEN WELL-NO LEL'S ON EITHER SIDE-SOLID LIQUID-NO BUBBLES. REPORT TO ENGINEER AND FOREMAN-ORDERS TO VENT 1 HOUR AND SHUT IN.
	15:00 - 16:00	1.00	ABANDP	33	G	P		PUMP LINES DRAINED DURING PRESSURE BUILD UP. OPEN WELL AND MONITOR 1 HOUR-NO LIQUIDS OR LEL'S MONITORED. SI AND SECURE WELL AND TANKS AT 16:00 HOURS.
	16:00 - 16:30	0.50	ABANDP	30	G	P		CREW TRAVEL TO RANGER YARD.
3/24/2020	6:00 - 6:30	0.50	ABANDP	30	G	P		CREW TRAVEL TO LOCATION.
	6:30 - 7:00	0.50	ABANDP	48	B	P		JSA MEETING W/RANGER CREW. SSE-MENTOR, 3RD HAND-NEW, FOCUS ON TASK AT HAND, STOP AND THINK, JOB SCOPE, SANITIZING JSA TABLET TWICE DAILY.
	7:00 - 7:15	0.25	ABANDP	30	M	P		START EQUIPMENT. PRESSURES-CSG 20 PSI, SFC 20 PSI, NO LEL'S PRESENT, SOLID FLUID-NO BUBBLES, WELL STATIC.
	7:15 - 7:30	0.25	ABANDP	31	1	P		RU PUMP LINES TO WH. PRIME RIG PUMP.
	7:30 - 8:00	0.50	ABANDP	31	H	P		HOLE LOADED. BREAK CIRCULATION, PUMP RATE 4 BPM @ 250 PSI. 1-4% LEL'S AT BOTTOMS UP-NOT CONSISTENT, NO LEL'S AFTER THAT. 120 BBL CIRCULATION W/FRESH WATER + BIO. SHUT PUMP DOWN-WELL STATIC.
	8:00 - 9:00	1.00	ABANDP	33	G	P		LEAVE WELL OPEN TO RIG TANK 1 HOUR. TINY STREAM OF FLUID DISPLACMENT AT GAS BUSTER THROUGH THE 1 HOUR SHUT IN, NO GAS OR LEL'S PRESENT AT THE TANK.
	9:00 - 10:00	1.00	ABANDP	33	G	P		ONE HOUR PRESSURE BUILD UP. 6 PSI ON CSG AND 6 PSI ON SFC, OPEN CASING VALVE, RECOVERED 2 GALLONS GASY FLUID WITH LEL'S TO BUCKET-FLOW STOPPED. OPEN SURFACE CASING VALVE-NO FLUIDS/FLOW OR LEL'S PRESENT. VERY SLIGHT STREAM OF WATER COMING OUT OF SURFACE CASING.
	10:00 - 10:30	0.50	ABANDP	46	A	P		CALLED ENGINEER WITH RESULTS. ENGINEER AND FOREMAN ORDERS TO PUMP 4 BBL CEMENT SCOUR DOWN CASING UP SURFACE CASING, SI WELL ONE HOUR FOR PRESSURE BUILD UP.

US ROCKIES REGION  
Operation Summary Report

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Site: HSR-WILDER 15-8A

Rig name no.: RANGER 21/21

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Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	10:30 - 11:30	1.00	ABANDP	46	F	D		LEASE ROAD AND LOCATION SURFACE VERY MUDDY. WAIT ON ALL TRUCKS TO CHAIN UP BEFORE COMING ONTO LOCATION. SPOT IN ALL EQUIPMENT-BASIC PUMP TRUCK WAS ASSISTED WITH BULK TRUCK. BASIC JSA TOWING/WINCHING COMPLETED BY BASIC.
	11:30 - 11:45	0.25	ABANDP	48	B	P		JSA MEETING W/RANGER CREW, BASIC CEMENT AND ENSIGN TRUCKING PERSONNEL. JOB SCOPE, RESPONSIBILITIES, FOCUS ON TASK AT HAND. STOP AND THINK.
	11:45 - 12:30	0.75	ABANDP	31	H	P		NOTE: 4 BBL CEMENT SCOUR SURFACE TO SURFACE IN ATTEMPT TO DRAW GAS OUT. RU BASIC CEMENT TO PRODUCTION CASING. PRESSURE TEST LINE TO 2433 PSI-GOOD TEST. PUMP 10 BBLs FRESH WATER + BIO, MIX AND PUMP 4 BBLs 18.3 SKS (4 BBL SCOUR) 15.8 PPG 1.23 YLD AGM CEMENT, DISPLACE CEMENT, CEMENT BACK IN 467.5 BBL DISPLACEMENT, DISPLACED A TOTAL OF 70.4 BBLs.  DISPLACEMENT NOTES: LOW LEL'S OF 1-4% DURING DISPLACEMENT @14 BBLs AND 30 BBLs DISPLACED THAT LASTED <5 SECONDS EACH, NO LEL'S AT CEMENT RETURNS OR AFTER RETURNS.
	12:30 - 13:30	1.00	ABANDP	33	G	P		ORDERS TO SHUT IN AFTER CEMENT SCOUR FOR 1 HOUR. CSG- 14 PSI, SFC 12 PSI. OPEN CSG-NO LEL'S OR GASY FLUID/BUBBLES-SOLID FLUID, SAME WITH SFC.
	13:30 - 15:00	1.50	ABANDP	33	F	P		SLIGHT STREAM OF FLUID FLOWING BACK ON CASING SIDE, LET WELL BALANCE. FLOWED BACK 4 GALLONS TO BUCKET WHILE BALANCING. SI WELL AND SECURE.
	15:00 - 15:30	0.50	ABANDP	30	I	P		JET MUD TANK TO TOP OFF MUD TRUCK. DRAIN PUMP AND LINES. SECURE TANKS.
	15:30 - 16:00	0.50	ABANDP	30	G	P		CREW TRAVEL TO RANGER YARD.
3/25/2020	6:00 - 6:30	0.50	ABANDP	30	G	P		CREW TRAVEL TO LOCATION.
	6:30 - 7:00	0.50	ABANDP	48	B	P		JSA MEETING W/RANGER CREW. FOCUS ON WORK, COMMUNICATION, SSE MENTOR, HOUSE KEEPING, POSSIBLE JOB SCOPE.
	7:00 - 7:30	0.50	ABANDP	30	M	P		START EQUIPMENT. PRESSURES-CSG 26 PSI W/LEL'S PRESENT SFC 23 PSI-NO LEL'S ONLY SOLID FLUID. REPORT TO ENGINEER AND FOREMAN. ORDERS TO MECHANICAL CUT PRODUCTION CASING.
	7:30 - 10:00	2.50	ABANDP	31	1	S		RU FLOOR AND TONGS, UNLOAD CASING FLANGE AND INSPECT, RU POWER SWIVEL STIFF ARM LINE, TALLY 2 3/8" 4.7# J-55 EUE, PREPARE TO PU MECHANICAL CASING CUTTER.
	10:00 - 10:20	0.33	ABANDP	31	I	P		MEASURE LENGTH AND OD'S, PU 4 1/2" MECHANICAL CUTTER-4.87' OVERALL, 3.15' TO KNIVES. TIH RABBETING PIPE. TIH 20 JTS-TAG 15' IN ON #20 + BHA + 10' ADJUSTED KB=627.29', LD #20.

US ROCKIES REGION  
Operation Summary Report

Well: HSR-WILDER 15-8A

Spud date: 4/14/1992

Project: COLORADO-WELD-NAD83-UTM13

Site: HSR-WILDER 15-8A

Rig name no.: RANGER 21/21

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Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	10:20 - 10:30	0.17	ABANDP	48	B	P		REVIEW DOWN HOLE TOOL JSA. RU/RD HAZARDS, EMERGENCY KILL LOCATION, WORKING AROUND TORQUE. SSE TO OBSERVE AND NOT PARTICPATE IN RU PS.
	10:30 - 11:00	0.50	ABANDP	31	1	P		PU 1-10' N-80 SUB AND RU WH RUBBER. RU DOWN HOLE TOOL POWER SWIVEL. STIFF ARM TO LONG TO WORK ON RANGER 5021-WILL BE WAITING ON DIFFERENT STIFF ARM.
	11:00 - 11:45	0.75	ABANDP	46	E	D		WAITING ON DOWN HOLE TOOLS TO DELIVER CORRECT STIFF ARM FOR RANGER 5021
	11:45 - 11:55	0.17	ABANDP	31	Z	P		TAG TOC AND PULL UP 4'. START ROTATING MECHANICAL CUTTER @623' KB. CASING CUT.
	11:55 - 12:15	0.33	ABANDP	31	1	P		RD POWER SWIVEL.
	12:15 - 12:45	0.50	ABANDP	31	I	P		LD SUB AND 1 JT, PULL WH RUBBER. TOOH TO DERRICK W/ 9 STANDS.
	12:45 - 13:15	0.50	ABANDP	31	H	P		PRIME PUMP. LOAD HOLE W/1 BBL, CIRCULATE ONE HOLE VOLUME+ 10 BBLs @3 BPM @ 200 PSI, PUMPED 60 BBL CIRCULATION.
	13:15 - 13:45	0.50	ABANDP	31	1	P		NPT DELIVERED CASING TRAILER #342-550607 CHANGE EQUIPMENT OVER TO 4 1/2". RD FLOOR AND TONGS.
	13:45 - 14:35	0.83	ABANDP	30	J	P		ND BOP AND TUBING HEAD. BREAK CASING NUT OFF. PU DOWN HOLE TOOLS CASING SPEAR W/3.974" GRAPPLE. PULL CASING SLIPS OUT @45K LBS.
	14:35 - 15:30	0.92	ABANDP	30	F	P		INSTALL 10 3/4" FLANGE W/5K CASING SPOOL. INSTALL R46 RING GASKET NU BOP.
	15:30 - 16:30	1.00	ABANDP	31	1	P		RU RIG FLOOR, TONGS, LAY DOWN LINE.
	16:30 - 17:00	0.50	ABANDP	31	I	P		TOOH LD 4.5" 11.6# I-70 LT&C PRODUCTION CASING. LD 14 1/2 JTS-623'
	17:00 - 17:30	0.50	ABANDP	31	1	P		SI BLIND RAMS AND LOCK. CHANGE HANDLING EQUIPMENT OVER TO 2 3/8" F/ 4 1/2". DRAIN PUMP AND LINES AND SECURE TANKS.
	17:30 - 18:00	0.50	ABANDP	30	G	P		CREW TRAVEL TO RANGER YARD.
3/26/2020	6:00 - 6:30	0.50	ABANDP	30	G	P		CREW TRAVEL TO LOCATION.
	6:30 - 7:00	0.50	ABANDP	48	B	P		JSA MEETING W/RANGER CREW.
	7:00 - 7:30	0.50	ABANDP	30	M	P		START EQUIPMENT. PRESSURE-SFC 0 PSI LEL'S.
	7:30 - 8:00	0.50	ABANDP	31	I	P		PU 2 3/8" MS AND TIH W/20 JTS TAGGING STUB @ 623' KB, TRIED GETTING IN STUB. PU AND RIH W/ JT#21 TO 658', PULL UP TO 629' (3' BELOW CASING STUB). ENGINEER APPROVED PUMPING CEMENT FROM 629'.
	8:00 - 8:10	0.17	ABANDP	31	1	P		RU TUBING EQUIPMENT FOR CIRCULATING.
	8:10 - 9:30	1.33	ABANDP	31	H	P		BREAK CIRCULATION W/ 1 BBL. PUMP RATE 4 BPM @450 PSI. LEL'S AT BOTTOMS UP W/49 BBLs. 320 BBL CIRCULATION.
	9:30 - 9:45	0.25	ABANDP	48	B	P		JSA MEETING W/RANGER CREW, PUSHER, BASIC CEMENT AND ENSIGN. JOB SCOPE, 2-SSE AND MENTORS, RESPONSIBILITIES.
	9:45 - 10:00	0.25	ABANDP	51	E	P		MIRU BASIC CEMENT TO TUBING. PRIME UP.

**US ROCKIES REGION**  
**Operation Summary Report**

Well: HSR-WILDER 15-8A

Spud date: 4/14/1992

Project: COLORADO-WELD-NAD83-UTM13

Site: HSR-WILDER 15-8A

Rig name no.: RANGER 21/21

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Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	10:00 - 10:25	0.42	ABANDP	51	D	P		WATER TEMP.-67 Ph 7.2 .PRESSURE TEST LINES TO 2500 PSI-GOOD TEST. PUMP 10 BBLS MUD FLUSH, 5 BBLS FRESH WATER SPACER, MIX 50 SKS (10.9 BBLS) 15.8 PPG 1.23 YLD AGM CEMENT, DISPLACED 2 BBLS TO BALANCE PLUG, ESTIMATED TOC 529'. RIG OFF TUBING.
	10:25 - 10:35	0.17	ABANDP	31	I	P		LD 4 JTS SLOW. EOT @503' W/16 JTS. RU BASIC TO TUBING.
	10:35 - 11:00	0.42	ABANDP	31	H	P		BASIC CONVENTIONAL WASHED UP DOWN HOLE AND CIRCULATE TUBING AND HOLE CLEAN F/503' W/ 46 BBLS FRESH WATER W/BIO. RD BASIC AND RELEASE.
	11:00 - 11:15	0.25	ABANDP	31	I	P		TOOH STANDING BACK 8 STANDS. SHUT BLIND RAMS AND LOCK.
	11:15 - 12:30	1.25	ABANDP	30	I	P		JET MUD TANK, DRAIN PUMP AND LINES.
	12:30 - 13:00	0.50	ABANDP	30	G	P		CREW TRAVEL TO RANGER YARD.
3/30/2020	6:00 - 6:30	0.50	ABANDP	30	G	P		CREW TRAVEL TO LOCATION.
	6:30 - 7:00	0.50	ABANDP	48	B	P		JSA MEETING W/RANGER CREW. JOB SCOPE, RESPONSIBILITIES.
	7:00 - 7:30	0.50	ABANDP	30	M	P		START EQUIPMENT, COMPLETE DAILY INSPECTION, PRESSURE-SFC -1 PSI, NO LEL'S PRESENT.
	7:30 - 8:15	0.75	ABANDP	31	I	P		TIH W/MS AND XN. TAGGED TOC @557.69' KB W/8' OUT ON JT #18. LD 1 JT AND PU 2-10' AND 1-4' SUB. EOT@557'.
	8:15 - 8:30	0.25	ABANDP	31	I	P		RU TO CIRCULATE.
	8:30 - 9:30	1.00	ABANDP	31	H	P		BREAK CIRCULATION W/1 BBL FRESH WATER W/BIO. CIRCULATE 88 BBLS @ 2.5 BPM @300 PSI, NO GAS PRESENT IN RETURNS.
	9:30 - 9:45	0.25	ABANDP	48	B	P		JSA MEETING W/RANGER CREW AND BASIC CEMENT. JOB SCOPE AND STAYING FOCUSED.
	9:45 - 10:00	0.25	ABANDP	51	E	P		MIRU BASIC CEMENT.
	10:00 - 10:30	0.50	ABANDP	51	B	P		SHOE PLUG-PT TO 2500 PSI-GOOD TEST. PUMP 10 BBLS MF, 5 BBL FRESH WATER W/BIO SPACER, MIX AND PUMP 100 SKS (21.9 BBLS) 15.8 1.23 YLD AGM CEMENT, ESTIMATED TOC @295'.
	10:30 - 10:45	0.25	ABANDP	31	I	P		LD SUBS AND 9 JTS TUBING. EOT@ 251' W/8 JTS IN THE HOLE.
	10:45 - 11:00	0.25	ABANDP	31	H	P		REVERSE CIRCULATE TUBING CLEAN W/20 BBLS FRESH WATER W/BIO.
	11:00 - 11:15	0.25	ABANDP	31	I	P		TOOH LD 8 JTS. SHUT BLIND RAMS.
	11:15 - 12:30	1.25	ABANDP	33	G	P		LEAVE WELL OPEN TO TANK.
	12:30 - 14:30	2.00	ABANDP	33	G	P		SHUT IN WELL FOR PRESSURE BUILD UP. -1 PSI WITH SLIGHT VACUUME AFTER 2 HOUR SHUT IN.
	14:30 - 14:45	0.25	ABANDP	31	I	P		TIH W/ MSXN AND 13 JTS TAGGING TOC@410' KB. RU BASIC TO TUBING.
	14:45 - 15:15	0.50	ABANDP	51	B	P		TOP OFF PLUG-BREAK CIRCULATION W/1 BBL FRESH WATER W/BIO. PUMP 10 BBLS MF AND 5 BBL SPACER. MIX AND PUMP 132 SKS (29 BBLS) 1.23 YLD AGM CEMENT, 15.8 PPG, RETURNED 2 BBLS TO TANK. RD BASIC TO WASH UP.
	15:15 - 15:30	0.25	ABANDP	31	I	P		TOOH LD 13 JTS AND BHA. TOC 6' FROM SURFACE.

US ROCKIES REGION  
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Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	15:30 - 16:00	0.50	ABANDP	30	I	P		WASH CEMENT OFF TONGS, SLIPS, FLOOR AND WASH OUT BOP.
	16:00 - 17:30	1.50	ABANDP	30	J	P		NOTE:WORK TANKS CLEANED BY LONE TREE SERVICES. RD FLOOR AND TONGS. ND BOP, BREAK STUDS OUT ON SPOOL AND CASING HEAD FLANGE. OXY FLANGE HAULED BACK TO YARD BY RANGER PUSHER.
	17:30 - 18:00	0.50	ABANDP	30	I	P		DRAIN PUMP AND LINES.
	18:00 - 18:30	0.50	ABANDP	30	C	P		RACK PUMP AND TANKS.
	18:30 - 19:00	0.50	ABANDP	30	G	P		CREW TRAVEL TO RANGER YARD.
3/31/2020	6:00 - 6:30	0.50	ABANDP	30	G	P		CREW TRAVEL TO LOCATION.
	6:30 - 6:45	0.25	ABANDP	48	B	P		JSA MEETING W/RANGER CREW.
	6:45 - 9:30	2.75	ABANDP	30	C	P		WELL STATIC, <b>TAGGED TOC @30'</b> , INSTALL GRATING ON WORK TANKS, RD RIG, CLEAN LOCATION, SET UP WH GUARD, ROAD RIG TO YARD, FINAL REPORT. CHANDLER SERVICES DELIVERED CHEMICALS BACK TO ARF YARD. FINAL REPORT.
7/28/2020	8:00 - 9:00	1.00	ABANDZ	53	B	P		DUG UP SURFACE CASING
	9:00 - 10:00	1.00	ABANDZ	53	C	P		CUT CASING 6' BELOW GL, 8 5/8 FILLED CASING <b>STUB WITH 11 BAGS</b> OF 5000 PSI CEMENT.
	10:00 - 11:00	1.00	ABANDZ	53	A	P		CAPPED CASING WITH A METAL PLATE CONTAINING WELL INFO
	11:00 - 12:00	1.00	ABANDZ	53	B	P		BACKFILLED
	12:00 - 12:00	0.00	ABANDZ	53	F	P		PLACED MARKER BALL
	13:30 - 13:30	0.00	ABANDP	50				<b>P&amp;A'd OFFLINE. NB-CD/ JSND.</b>