

## Operation Summary Report

Well: <b>MARKHAM 15-1118</b>	Event Name: WELL MAINT - RIG
Project: COLORADO-WELD-NAD83-UTM13	Prim. Reason: PACKER SET/PULL
Site: MARKHAM 15-1118	Start date: 12/8/2021
	End date: <span style="float: right;">Rig Name: SPN 711</span>

#	Date	Time Start-End	Hrs	Op Details
1	12/01/2021	08:00 - 12:00	4.00	LONE TREE SERVICES INSTALL A STRING FENCE, LEVEL FOR BASE BEAM AND MOW WHEAT SHORT FOR RIG OPS.
1	12/08/2021	06:00 - 06:30	0.50	TRAVEL TO LOCATION
		06:30 - 07:00	0.50	JSA, SAFETY MEETING
		07:00 - 07:30	0.50	WARM UP EQUIPMENT
		07:30 - 08:30	1.00	LOAD EQUIPMENT ON TRUCKS, CLEAN LOCATION
		08:30 - 09:30	1.00	RIG/MOB FROM MAYER 22-14L TO MARKHAM 15-1118
		09:30 - 11:00	1.50	SPOT IN EQUIPMENT, RU AXIS 711, RIG, PUMP, TANKS, HARD LINE
		11:00 - 11:00	0.00	CHECK SHUT IN WELL PRESSURES. SURFACE CASING: 2 (PSI). PRODUCTION CASING: 800 (PSI). TUBING: 800 (PSI). INTERMEDIATE CASING ## (PSI/NA). { APPROXIMATE WELL SHUT IN DURATION: ## (DAYS). SURFACE CASING BLOW DOWN DURATION: 5 (SECONDS). LEL: 100 %. SURFACE CASING FLUID FLOW: (NONE/WATER/WATER & OIL/OIL). PRODUCTION CASING BLOW DOWN DURATION: 0 (SECONDS) LEL: 100 %. PRODUCTION CASING FLUID FLOW: (NONE). TUBING BLOW DOWN DURATION: 0 (SECONDS). LEL: 100 %. TUBING FLUID FLOW: (NONE). INDICATE IF VISUALLY BUBBLING & ON WHICH CASING/TUBING STRING ()  COMMENTS: () }
		11:00 - 12:30	1.50	PUMP 40BBLS OF FRESH W/BIO DOWN TBG, PUMP 60BBLS OF FRESH WATER W/ BIO DOWN CSG , PUMPED TOTAL 100BBLS ,NO GAS, KICK PUMP OFF WELL REMAINED STATIC  RMOR, STUMP TEST BOP, TEST BLIND RAMS TO 250PSI LOW - HELD 10MINS & 5000PSI HIGH - HELD 10MINS, TEST ALL 2 TIW VALVES
		12:30 - 14:00	1.50	NDWH, NUBOP, TORQUE WELLHEAD BOLTS TO SPEC & TEST PIPE RAMS TO 250PSI LOW - HELD 10MINS & 5000PSI HIGH - HELD 10MINS RD RMOR TORQUE & TEST
		14:00 - 14:30	0.50	LUNCH
		14:30 - 15:15	0.75	RU FLOOR, UNLAND WELL 22K
		15:15 - 16:45	1.50	TOOH 69 STANDS ON 2-1/16", 3.25, J55 TRICKLING FRESH WATER W/BIO LEAVING 80JTS KILL STRING
		16:45 - 17:30	0.75	SWIFN, WINTERIZE PUMP & LINES, TARP WELLHEAD & PUMP
		17:30 - 18:30	1.00	TRAVEL TO YARD
2	12/09/2021	06:00 - 07:00	1.00	TRAVEL TO LOCATION
		07:00 - 07:30	0.50	JSA, SAFETY MEETING
		07:30 - 07:45	0.25	CHECK PRESSURES, TBG-0, CSG-0, SC-2 WARM UP EQUIPMENT, PUT PUMP TOGETHER
		07:45 - 08:00	0.25	PUMP 20BBLS DOWN CSG, KEEP PUMP TRICKLING DOWN CSG
		08:00 - 09:00	1.00	TOOH 40 STANDS OF 2-1/16", 3.25# TBG
		09:00 - 11:00	2.00	PU & TIH W/ 3-1/2", 7.7# BIT & SCRAPER 98 STANDS TO 6355' CLEAN CSG 2-3 TIMES TO ENSURE CSG IS CLEAN
		11:00 - 13:00	2.00	TOOH 98 STANDS, LD BIT & SCRAPER
		13:00 - 13:30	0.50	LUNCH
		13:30 - 14:00	0.50	PU 3-1/2" 7.7#, RBP, MAKE UP TO STAND, RUN IN HOLE & TAG BELL NIPPLE, BELOW BOPS. TALK TO FOREMAN
		14:00 - 16:00	2.00	WAIT ON ORDERS
		16:00 - 16:30	0.50	PUMP 110BBLS OF FRESH WATER W/ BIO, WELL KILLED, RD FLOOR
		16:30 - 17:00	0.50	NDBOP, GAUGE BELL NIPPLE BELOW BOP, 2.750
		17:00 - 17:30	0.50	NUBOP, RU FLOOR, SWIFN
		17:30 - 18:00	0.50	WINTERIZE PUMP & TANK, TARP EQUIPMENT
		18:00 - 19:00	1.00	TRAVEL TO YARD
3	12/10/2021	06:00 - 07:00	1.00	TRAVEL TO LOCATION
		07:00 - 07:30	0.50	JSA, SAFETY MEETING W/ RELIANCE WL
		07:30 - 07:45	0.25	CHECK PRESSURES, CSG-0, SC-2 WARM UP EQUIPMENT, PUT PUMP TOGETHER
		07:45 - 08:30	0.75	<b>RUWL</b> , NU WL FLANGE, TIGHTEN W/ PULL BARS. PU WL LUBE/BOP.

## Operation Summary Report

Well: MARKHAM 15-1118	Event Name: WELL MAINT - RIG	
Project: COLORADO-WELD-NAD83-UTM13	Prim. Reason: PACKER SETUPULL	
Site: MARKHAM 15-1118	Start date: 12/8/2021	
	End date:	Rig Name: SPN 711

#	Date	Time Start-End	Hrs	Op Details
		08:30 - 09:15	0.75	PU & RIH W/ 3-1/2", 7.7# GAUGE RING TO 7040', POOH
		09:15 - 10:00	0.75	PU & RIH W/ 3-1/2", 7.7# CIBP, CORRELATE TO COLLARS, SET 3-1/2" CIBP @ 7000', POOH
		10:00 - 10:45	0.75	RIH & DUMP BAIL 2SX CMT ON CIBP @ 7000', POOH
		10:45 - 11:30	0.75	PU & RIH W/ 3-1/2", 7.7# CIBP, CORRELATE TO COLLARS, SET 3-1/2" CIBP @ 6310', POOH
		11:30 - 12:15	0.75	RIH & DUMP BAIL 2SX CMT ON CIBP @ 6310', POOH
		12:15 - 13:00	0.75	RD RELIANCE WL
		13:00 - 15:00	2.00	PU & TIH W/ 2-1/16" NC, XN NIPPLE , ON 95 STANDS OF 2-1/16", 3.25 TBG, EOT@6170'
		15:00 - 15:30	0.50	CLOSE PIPE RAMS, ROLL HOLE PACKER FLUID, NO GAS IN WELL
		15:30 - 15:45	0.25	PRESSURE TEST 3-1/2", 7.7# CSG, TO 500PSI FOR 15MINS ( GOOD TEST)
		15:45 - 16:30	0.75	LD 32 JTS OF 2-1/16", 3.25 TBG TOOH 14 STANDS, EOT@ 6035', LAND WELL
		16:30 - 17:00	0.50	RD FLOOR, INSTALL TWO 5K CSG VALVES ON THE OFFSIDE & TWO 5K RATED CSG VALVES ON THE FLOWLINE SIDE FOR A TOTAL OF 4 CSG VALVES & XXH NIPPLES (8" XXH NIPPLE BETWEEN WELLHEAD & FIRST CSG VALVE & 4" XXH NIPPLE BETWEEN THE TWO CSG VALVES)
		17:00 - 18:00	1.00	NDBOP, NU 7-1/16", 5K FLANGED TBG HEAD ADAPTOR W/ TWO 2-1/16", 5K FLANGED MASTER VALVES. PUTTING NEW R46 GASKET ON TBG HEAD. INSTALL LOCKDOWN SCREW PACKING. ALL RATED TO 5K. TORQUE & TEST WH
		18:00 - 19:00	1.00	RU ANYTIME HYDROTESTER INSTALL 2-3/8" PUP JT ABOUT MASTER VALVE. PU 2-1/16" BAR TOOL LOW TEST 1500PSI FOR 15MINS (GOOD TEST) HIGH TEST 5000PSI FOR 15MINS ( GOOD TEST) RD ANYTIME SWI WINTERIZE PUMP & LINES
		19:00 - 20:00	1.00	TRAVEL TO YARD
4	12/13/2021	06:00 - 07:00	1.00	TRAVEL TO LOCATION
		07:00 - 07:30	0.50	JSA, SAFETY MEETING
		07:30 - 10:00	2.50	RD AXIS 711, RIG, PUMP, TANKS, LINES, LOAD ON TRUCKS CLEAN LOCATION

# Oxy Operations Summary

Well:	MARKHAM 15-1118			Spud Date:	3/4/1994 12:00:00 AM
Project:	COLORADO-WELD-NAD83-UTM13			Site:	MARKHAM 15-1118
Event:	ABANDONMENT			Rig Name:	RANGER 5004
Start Date:	11/8/22			End Date:	1/26/23
Datum:	RKB @ 4933			Well UWI:	0512317883
Report Date	Time From	Time To	Duration (hr)	Operation	
10/12/22	10:00	11:00	1	FORM 17 TEST NO FLUIDS, SC START 11 PSI AND SC END WHISPER. SAMPLE COLLECTED ON 11/2/22.	
11/7/22	10:00	13:00	3	LONE TREE SERVICES INSTALL A STRING FENCE, MOW AND LEVEL AS NEEDED FOR RIG OPS.	
11/8/22	8:30	9:00	0.50	ROAD RIG FROM PLATTE 2-35 TO MARKHAM 15-1118	
11/8/22	9:00	9:30	0.50	CONDUCT JSA.	
11/8/22	9:30	9:30	0	PER COA: VERIFY FORM 17 SUBMITTED WITHIN 60 DAYS OF MIRU. FORM 17 SUBMITTED 10/12/22.	
11/8/22	9:30	10:00	0.50	CHECK SHUT IN WELL PRESSURES. SURFACE CASING: 15 PSI. PRODUCTION CASING: 0 (PSI). TUBING: 0 (PSI). INTERMEDIATE CASING ## (NA).	
11/8/22	10:00	10:00	0	PER COA: SUBMIT FORM 42 WITHIN 48 HRS OF MIRU. FORM 42 SUBMITTED 11/3/22 FOR 11/8/22 @ 07:00. ACTUAL MIRU 11/8/22 @ 9:00.	
11/8/22	10:00	12:30	2.50	MIRU RANGER 5004. RIG FACING WEST. WEATHER-SUNNY & CALM. GROUND-CENTER PIVOT CORN STUBBLE. STRING FENCE AROUND LOCATION.	
11/8/22	12:30	12:45	0.25	REMOVE PINS FROM PUMP POP OFF. FUNCTION TEST POP OFF. INSTALL 1 PIN FOR 2500 PSI TOTAL. PSI TEST PUMP & LINES TO 2000 PSI. GOOD TEST. BLEED OFF PRESSURE.	
11/8/22	12:45	13:15	0.50	CIRC DOWN CSG/UP TBG FOR 60 BBL W/ CLEAN TREATED WATER	
11/8/22	13:15	13:30	0.25	TESTER ON LOCATION @ 11:30 TO BEGIN TESTING. FUNCTION TEST BOP'S.MIRU RMOR 50' FROM WELL.TEST #1TIW VALVE LOWSIDE TO 250psi FOR 5min BLEED OFF PRESSURE TEST 5000# FOR 15MIN GOOD TEST. TEST #2 TIW VALVE LOWSIDE TO 250psi FOR 5min BLEED OFF PRESSURE. TEST TO 5000# FOR 15MIN GOOD TEST. LOAD BOP'S ONTO STUMP LOAD WITH FLUID SHUT BLIND RAMS,PSI TEST LOWSIDE TO 250psi FOR 5min BLEED OFF PRESSURE. TEST TO 5000# FOR 15MIN GOOD TEST. THREAD TBG SUB INTO STUMP. CLOSE PIPE RAMS, PSI TEST LOWSIDE TO 250psi FOR 5min BLEED OFF PRESSURE. TEST TO 5000# FOR 15MIN GOOD TEST.	
11/8/22	13:30	14:15	0.75	ND WH MASTER VALVE. NU 7" BOP. INSTALL PUP JT & TIW IN LANDING DONUT. TORQUE BOP AND TBG HEAD FLANGE. RU RIG FLOOR.	
11/8/22	14:15	14:45	0.50	SI PIPE RAMS AND TEST TBG HEAD FLANGE AND BOP. LOWSIDE TO 250psi FOR 5min BLEED OFF PRESSURE. TEST TO 5000# FOR 15MIN GOOD TEST.	
11/8/22	14:45	17:00	2.25	UNLAND TBG @ 20K. TOO H TBG. STAND BACK 52 STDS TO DERRICK. LAY DOWN 82 JTS, SEAT NIPPLE, AND NOTCHED COLLAR.	
11/8/22	17:00	17:30	0.50	BLIND RAMS CLOSED AND LOCKED. SUCTION LINES DRAINED. HIGH PRESSURE LINES DISCONNECTED AND BLOWN DOWN. WINTERIZE PUMP. WH VALVES DOUBLE ISOLATED AND CAPPED.	

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Start Date:	11/8/22			End Date:	1/26/23
Datum:	RKB @ 4933			Well UWI:	0512317883
Report Date	Time From	Time To	Duration (hr)	Operation	
11/8/22	17:30	18:00	0.50	CREW TRAVEL TO YARD	
11/9/22	5:30	6:00	0.50	CREW TRAVEL FROM YARD TO LOCATION	
11/9/22	6:00	6:30	0.50	WARM UP EQUIPMENT. CONDUCT JSA.	
11/9/22	6:30	7:00	0.50	CHECK SHUT IN WELL PRESSURES. SURFACE CASING: 6 PSI. PRODUCTION CASING: 0 (PSI). TUBING: ## (NA). INTERMEDIATE CASING ## (NA).	
11/9/22	7:00	7:30	0.50	CONDUCT JSA. MIRU RANGER WL.	
11/9/22	7:30	8:15	0.75	MU 2.75" GAUGE RING & JUNK BASKET. NU LUBRICATOR. RIH TO CIBP @ 6309'. POOH.	
11/9/22	8:15	11:30	3.25	MU CCL/GR/CBL TOOLS. NU LUBRICATOR. RIH TO 6300' LOOH TO SURFACE.	
11/9/22	11:30	13:30	2	MU 1-4' x 2", 4 SPF, 0.36" EH, 12" PEN PERF GUN. MU LUBRICATOR. RIH TO 3740'. POOH. VERIFY ASF. MU 1-4' x 2", 4 SPF, 0.36" EH, 12" PEN PERF GUN. MU LUBRICATOR. RIH TO 3320'. POOH. VERIFY ASF. RDMO RANGER WL.	
11/9/22	13:30	14:30	1	MU 3.5" PKR. TIH & TALLY 104 JTS TO 3380'. SET PKR	
11/9/22	14:30	16:15	1.75	ATTEMPT CIRC DOWN TBG/THRU PERFS/UP PROD CSG. ADD MUD THINNER. 0.75-1.0 BPM. PARTIAL CIRCULATION THEN LOST CIRCULATION. ATTEMPT FORWARD AND REVERSE CIRC. UNABLE TO GAIN FULL CIRCULATION.	
11/9/22	16:15	17:00	0.75	RELEASE PKR. CIRC DOWN TBG UP CSG 2 WELLBORE VOLUMES UNTIL RETURNS CLEAN. TOOH 5 JTS TO 3220'.	
11/9/22	17:00	17:30	0.50	PIPE RAMS CLOSED AND LOCKED. SUCTION LINES DRAINED. HIGH PRESSURE LINES DISCONNECTED AND BLOWN DOWN. WINTERIZE PUMP. WH VALVES DOUBLE ISOLATED AND CAPPED.	
11/9/22	17:30	18:00	0.50	CREW TRAVEL TO YARD	
11/10/22	5:30	6:00	0.50	CREW TRAVEL FROM YARD TO LOCATION	
11/10/22	6:00	6:30	0.50	WARM UP EQUIPMENT. CONDUCT JSA.	
11/10/22	6:30	7:00	0.50	CHECK SHUT IN WELL PRESSURES. SURFACE CASING: 20 PSI. PRODUCTION CASING: 5 (PSI). TUBING: 5 (PSI). INTERMEDIATE CASING ## (NA).	
11/10/22	7:00	7:30	0.50	TIH 5 JTS TBG FROM 3220' TO 3380'. SET PKR.	

Well:	MARKHAM 15-1118			Spud Date:	3/4/1994 12:00:00 AM
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Start Date:	11/8/22			End Date:	1/26/23
Datum:	RKB @ 4933			Well UWI:	0512317883
Report Date	Time From	Time To	Duration (hr)	Operation	
11/10/22	7:30	11:00	3.50	CIRC DOWN TBG/UP PROD CSG & SURFACE CSG UTILIZING INDEPENDENT LINES AND TANKS FROM EACH CSG. ADD MUD THINNER. 0.75 BPM/700 PSI FOR 45 BBL BBL ADD MUD THINNER 1.5 BPM/700 PSI FOR 90 BBL ADD MUD THINNER 2 BPM/700 PSI FOR 180 BBL  SURF CSG RETURNS INITIALLY HEAVY MUD FOR 220 BBL THEN TURNING TO RECYCLED WATER.	
11/10/22	11:00	11:30	0.50	RELEASE PKR. CIRC 1.5 BOTTOMS UP. RETURNS CLEAN. PULL TBG OOH 60'. PULLING FREE. TBIH AND RESET PKR @ 3380'.	
11/10/22	11:30	14:00	2.50	CIRC DOWN TBG/UP PROD CSG. ADD MUD THINNER. 2.5 BPM/800 PSI FOR 150 BBL. RETURNS RELATIVELY CLEAN. ADD MUD THINNER. CIRC DOWN TBG/UP SURF CSG 2.5 BPM/800 PSI FOR 225 BBL	
11/10/22	14:00	14:30	0.50	RELEASE PKR. CIRC 1.5 BOTTOMS UP. TOOH 5 JTS.	
11/10/22	14:30	16:00	1.50	CLEAN MUD TANK. PIPE RAMS CLOSED AND LOCKED. SUCTION LINES DRAINED. HIGH PRESSURE LINES DISCONNECTED AND BLOWN DOWN. WINTERIZE PUMP. WH VALVES DOUBLE ISOLATED AND CAPPED.	
11/10/22	16:00	16:30	0.50	CREW TRAVEL TO YARD	
11/11/22	5:30	6:00	0.50	CREW TRAVEL FROM YARD TO LOCATION	
11/11/22	6:00	6:30	0.50	WARM UP EQUIPMENT. CONDUCT JSA.	
11/11/22	6:30	7:00	0.50	CHECK SHUT IN WELL PRESSURES. SURFACE CASING: 29 PSI. PRODUCTION CASING: 21 (PSI). TUBING: 15 (PSI). INTERMEDIATE CASING ## (NA).	
11/11/22	7:00	7:30	0.50	TIH 5 JTS TBG FROM 3220' TO 3380'. SET PKR.	
11/11/22	7:30	10:30	3	CIRC DOWN TBG/UP PROD CSG. ADD POLYMER 2 BPM/900 PSI FOR 60 BBL. ADD POLYMER 2.5 BPM/1500 PSI FOR 40 BBL. WELL DRINKING FLUID DECREASE RATE TO 1.75 BPM/600 PSI FOR 150 BBL.	
11/11/22	10:30	10:45	0.25	CIRC IN 35 BBL HSF DISPALCE W/ 10 BBL TREATED WATER.	
11/11/22	10:45	11:30	0.75	RELEASE PKR. TOOH 104 JTS TBG. LAY DOWN PKR.	
11/11/22	11:30	12:00	0.50	CONDUCT JSA. MIRU RANGER WL.	
11/11/22	12:00	12:45	0.75	MU 3.5" CICR. NU LUBRICATOR. RIH TO 3380'. SET CICR. POOH. RDMO RANGER WL.	

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Datum:	RKB @ 4933			Well UWI:	0512317883
Report Date	Time From	Time To	Duration (hr)	Operation	
11/11/22	12:45	13:30	0.75	TIH 104 JTS TBG TO CICR. STING INTO CICR.	
11/11/22	13:30	14:00	0.50	MIRU CEMENTERS. HOLD JSA MEETING. CMT COMPANY: (RANGER).	
11/11/22	14:00	15:00	1	PUMP 150 SX, 15.8 PPG, 1.17 CF/SX CLASS G CEMENT, (SUSX BLEND) BALANCE PLUG: (NO), TOC ##### FT, BOC ##### FT SQUEEZE: (YES), EQUIPMENT: (CICR) DEPTH: 3380 FT, BOTTOM (PERF): 3740 FT, TOP (PERF): 3320 FT, TOC IN CSG: 3120 FT	
11/11/22	15:00	16:30	1.50	TOOH 16 JTS TBG TO 2850'. REVERSE CIRC TBG CLEAN. TOOH 88 JTS. LAY DOWN CICR STINGER. 27 STANDS IN DERRICK. LAY DOWN 50 JTS.	
11/11/22	16:30	17:00	0.50	BLIND RAMS CLOSED AND LOCKED. SUCTION LINES DRAINED. HIGH PRESSURE LINES DISCONNECTED AND BLOWN DOWN. WINTERIZE PUMP. WH VALVES DOUBLE ISOLATED AND CAPPED.	
11/11/22	17:00	17:30	0.50	CREW TRAVEL TO YARD	
11/12/22	5:30	6:00	0.50	CREW TRAVEL FROM YARD TO LOCATION	
11/12/22	6:00	6:30	0.50	WARM UP EQUIPMENT. CONDUCT JSA.	
11/12/22	6:30	7:00	0.50	CHECK SHUT IN WELL PRESSURES. SURFACE CASING: 52 PSI. PRODUCTION CASING: 0 (PSI). TUBING: ## (NA). INTERMEDIATE CASING ## (NA).	
11/12/22	7:00	7:30	0.50	CONDUCT JSA. MIRU RANGER WL.	
11/12/22	7:00	7:00	0	PER COA: VERIFY NO PRESSURE OR FLUID MIGRATION AFTER PLACING SUSSEX PLUG. SUSSEX CMT PUMPED 11/11/22 @ 15:00. MORNING PRESSURE CHECK 11/12/22: 0 PSI, 0% LEL.	
11/12/22	7:30	8:00	0.50	MU 1-4' x 2", 4 SPF, 0.37", 12" PEN, PERF GUN. NU LUBRICATOR. RIH TO 2800'. SHOOT GUN. POOH. VERIFY ASF. RDMO RANGER WL.	
11/12/22	8:00	10:45	2.75	INITIATE CIRCULATION DOWN PROD CSG/UP SURF CSG. 2 BPM/50 PSI FOR 30 BBL ADD POLYMER SWEEP 3 BPM/100 PSI FOR 90 BBL ADD POLYMER SWEEP 4 BPM/500 PSI FOR 480 BBL 2 POLYMER SWEEPS ADDED WHILE @ 4 BPM.	
11/12/22	10:45	13:00	2.25	PUMP 50 BBL HSF AND DISPLACE W/ 20 BBL TREATED WATER. ALLOW TO SOAK 2 HRS.	
11/12/22	13:00	13:30	0.50	MIRU CEMENTERS. HOLD JSA MEETING. CMT COMPANY: (RANGER).	

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Datum:	RKB @ 4933			Well UWI:	0512317883
Report Date	Time From	Time To	Duration (hr)	Operation	
11/12/22	13:30	14:15	0.75	PUMP 225 SX, 15.8 PPG, 1.2 CF/SX CLASS G CEMENT, (AGM BLEND) BALANCE PLUG: (NO), TOC ##### FT, BOC ##### FT SQUEEZE: (YES), EQUIPMENT: (NONE) DEPTH: ##### FT, BOTTOM (PERF): 2800 FT, TOP (NA): ##### FT, TOC IN CSG: 2080 FT	
11/12/22	14:15	14:30	0.25	BLIND RAMS CLOSED AND LOCKED. SUCTION LINES DRAINED. HIGH PRESSURE LINES DISCONNECTED AND BLOWN DOWN. WINTERIZE PUMP. WH VALVES DOUBLE ISOLATED AND CAPPED.	
11/12/22	14:30	15:00	0.50	CREW TRAVEL TO YARD	
11/14/22	5:30	6:00	0.50	CREW TRAVEL FROM YARD TO LOCATION	
11/14/22	6:00	6:30	0.50	WARM UP EQUIPMENT. CONDUCT JSA.	
11/14/22	6:30	7:00	0.50	CHECK SHUT IN WELL PRESSURES. SURFACE CASING: 35 PSI. PRODUCTION CASING: 0 (PSI). TUBING: ## (NA). INTERMEDIATE CASING ## (NA).	
11/14/22	7:00	7:30	0.50	SWAP OUT 2.06" RAM BLOCKS W/ 3.5" RAM BLOCKS	
11/14/22	7:30	8:15	0.75	WAITING ON STATE APPROVAL TO CUT 3.5" CSG @ 1800'.	
11/14/22	8:15	8:45	0.50	CONDUCT JSA. MIRU RANGER WL.	
11/14/22	8:45	9:15	0.50	MU 2.75" GAUGE RING AND JUNK BASKET. NU LUBRICATOR. RIH TO 2080'. TAG TOC. POOH.	
11/14/22	9:15	10:00	0.75	MU JET CUTTER. NU LUBRICATOR. RIH TO 1800'. JET CUT CSG. POOH. RDMO RANGER WL.	
11/14/22	10:00	15:30	5.50	CIRC DOWN PROD CSG/UP SURF CSG 2 BPM/50 PSI FOR 30 BBL ADD GEL SWEEP 4 BPM/300 PSI FOR 1270 BBL 4 ADDITIONAL GEL SWEEPS ADDED.	
11/14/22	15:30	16:00	0.50	BLIND RAMS CLOSED AND LOCKED. SUCTION LINES DRAINED. HIGH PRESSURE LINES DISCONNECTED AND BLOWN DOWN. WINTERIZE PUMP. WH VALVES DOUBLE ISOLATED AND CAPPED.	
11/14/22	16:00	16:30	0.50	CREW TRAVEL TO YARD	
11/15/22	5:30	6:00	0.50	CREW TRAVEL FROM YARD TO LOCATION	
11/15/22	6:00	6:30	0.50	WARM UP EQUIPMENT. CONDUCT JSA.	
11/15/22	6:30	7:00	0.50	CHECK SHUT IN WELL PRESSURES. SURFACE CASING: 35 PSI. PRODUCTION CASING: 35 (PSI). TUBING: ## (NA). INTERMEDIATE CASING ## (NA).	
11/15/22	7:00	8:00	1	CIRC IN 100 BBL HSF. DISPLACE W/ 16 BBL.	
11/15/22	8:00	9:00	1	STANDBACK RIG FLOOR. ND 7" BOP, TBG HEAD, AND REMOVE W-92 RETAINING NUT.	

Well:	MARKHAM 15-1118			Spud Date:	3/4/1994 12:00:00 AM
Project:	COLORADO-WELD-NAD83-UTM13			Site:	MARKHAM 15-1118
Event:	ABANDONMENT			Rig Name:	RANGER 5004
Start Date:	11/8/22			End Date:	1/26/23
Datum:	RKB @ 4933			Well UWI:	0512317883
Report Date	Time From	Time To	Duration (hr)	Operation	
11/15/22	9:00	10:00	1	UNLAND CSG @ 14K. NU W-92 FLANGE. STRIP ON X-OVER SPOOL AND 7" BOP W/ 3.5" RAM BLOCKS INSTALLED. TORQUE BOLTS. RU RIG FLOOR.	
11/15/22	10:00	10:30	0.50	CIRC OUT HSF.	
11/15/22	10:30	12:00	1.50	CONDUCT JSA. MIRU PIPE WRANGLER. TOOHLAY DOWN XX JTS 3.5" CSG.	
11/15/22	12:00	12:15	0.25	SWAP OUT 3.5" RAM BLOCKS W/ 2.375" RAM BLOCKS	
11/15/22	12:15	13:30	1.25	MU DIVERTER SUB. TIH XX JTS TBG TO 1800'.	
11/15/22	13:30	14:00	0.50	MIRU CEMENTERS. HOLD JSA MEETING. CMT COMPANY: (RANGER).	
11/15/22	14:00	14:45	0.75	PUMP 255 SX, 15.8 PPG, 1.21 CF/SX CLASS G CEMENT, (AGM BLEND) BALANCE PLUG: (YES), TOC 1235 FT, BOC 1800 FT SQUEEZE: (NO), EQUIPMENT: (CICR/PACKER/NONE) DEPTH: ##### FT, BOTTOM (PERF/CSG CUT/OH): ##### FT, TOP (PERF/NA): ##### FT, TOC IN CSG: ##### FT	
11/15/22	14:45	15:30	0.75	TOOH 24 JTS TO 1050'. REVERSE CIRC HOLE CLEAN. TOOHLAY REMAINING 33 JTS. 17 STDS IN DERRICK. LAY DOWN 23 JTS.	
11/15/22	15:30	16:30	1	CLEAN MUD TANK. BLIND RAMS CLOSED AND LOCKED. SUCTION LINES DRAINED. HIGH PRESSURE LINES DISCONNECTED AND BLOWN DOWN. WINTERIZE PUMP. WH VALVES DOUBLE ISOLATED AND CAPPED.	
11/15/22	16:30	17:00	0.50	CREW TRAVEL TO YARD	
11/16/22	5:30	6:00	0.50	CREW TRAVEL FROM YARD TO LOCATION	
11/16/22	6:00	6:30	0.50	WARM UP EQUIPMENT. CONDUCT JSA.	
11/16/22	6:30	7:00	0.50	CHECK SHUT IN WELL PRESSURES. SURFACE CASING: 0 PSI. PRODUCTION CASING: ## (NA). TUBING: ## (NA). INTERMEDIATE CASING ## (NA).	
11/16/22	7:00	8:00	1	MU DIVERTER SUB. TIH 39 JTS TBG TO 1235'. TAG TOC.	
11/16/22	7:00	7:00	0	PER COA: WOC REQUIREMENT FOR 1800'-1100' CMT PLUG. PLUG PUMPED 11-15-22 @ 14:00. TAG TOC 11-16-22 @ 8:00. NO PRESSURE OR FLUID MIGRATION DETECTED IN MORNING PRESSURE CHECK.	
11/16/22	8:00	9:00	1	CEMENT SCHEDULED FOR 9:00 AM.	
11/16/22	9:00	9:45	0.75	MIRU CEMENTERS. HOLD JSA MEETING. CMT COMPANY: (RANGER).	
11/16/22	9:00	9:00	0	PER COA: VERIFY NO PRESSURE OR FLUID MIGRATION PRIOR TO PLACING SHOE PLUG. WELL SHUT IN +/- 14 HRS (11-15-22, WELL SI @ 16:00. 11-16- 22, PRESSURE CHECK @ 06:30= 0 PSI, 0% LEL).	

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Event:	ABANDONMENT			Rig Name:	RANGER 5004
Start Date:	11/8/22			End Date:	1/26/23
Datum:	RKB @ 4933			Well UWI:	0512317883
Report Date	Time From	Time To	Duration (hr)	Operation	
11/16/22	9:45	10:45	1	PUMP 345 SX, 15.8 PPG, 1.21 CF/SX CLASS G CEMENT, (AGM BLEND) BALANCE PLUG: (YES), TOC 330 FT, BOC 1235 FT SQUEEZE: (NO), EQUIPMENT: (CICR/PACKER/NONE) DEPTH: ##### FT, BOTTOM (PERF/CSG CUT/OH): ##### FT, TOP (PERF/NA): ##### FT, TOC IN CSG: ##### FT	
11/16/22	10:45	11:15	0.50	TOOH/LAY DOWN 14 JTS TBG. REVERSE CIRC TBG CLEAN. TOOH/LAY DOWN 9 JTS TBG. LAY DOWN DIVERTER SUB.	
11/16/22	11:15	11:45	0.50	STAND BACK RIG FLOOR. ND 7" BOP AND X-OVER SPOOL.	
11/16/22	11:45	12:15	0.50	NU X-OVER SPOOL AND 9" BOP. RIG UP RIG FLOOR.	
11/16/22	12:15	14:30	2.25	PER COA: WOC 4 HRS MINIMUM. CMT PUMPED @ 10:30	
11/16/22	14:30	15:00	0.50	MU 8 5/8" SCRAPER. TIH 10 JTS TO 330'. TAG TOC. TOOH TBG. WORK SCRAPER FROM 290'-230'. LAY DOWN SCRAPER.	
11/16/22	15:00	15:00	0	PER COA: AFTER 4 HR WAIT, TAG TOC. MINIMUM TAG: 482'. ACTUAL TAG: 330'.	
11/16/22	15:00	16:30	1.50	PER OXY: WAIT ON CMT 6 HRS PRIOR TO PRESSURE TESTING TOC/SURF CSG.	
11/16/22	16:30	16:45	0.25	PRESSURE TEST DOWN: (SURFACE CASING) TEST INTERVAL BOTTOM: (CEMENT TOP) AT 330 FT TEST INTERVAL TOP: (SURFACE) AT 0 FT PRESSURE TEST TO: 500 PSI FOR 15 MINUTES. TEST RESULTS: (PASS)	
11/16/22	16:45	17:00	0.25	MU 8 5/8" CIBP. TIH 8 JTS TBG TO 260'. SET CIBP. TOOH TBG.	
11/16/22	17:00	17:30	0.50	BLIND RAMS CLOSED AND LOCKED. SUCTION LINES DRAINED. HIGH PRESSURE LINES DISCONNECTED AND BLOWN DOWN. WINTERIZE PUMP. WH VALVES DOUBLE ISOLATED AND CAPPED.	
11/16/22	17:30	18:00	0.50	CREW TRAVEL TO YARD	
11/17/22	5:30	6:00	0.50	CREW TRAVEL FROM YARD TO LOCATION	
11/17/22	6:00	6:30	0.50	WARM UP EQUIPMENT. CONDUCT JSA.	
11/17/22	6:30	7:00	0.50	CHECK SHUT IN WELL PRESSURES. SURFACE CASING: 0 PSI. PRODUCTION CASING: ## (NA). TUBING: ## (NA). INTERMEDIATE CASING ## (NA).	
11/17/22	7:00	7:30	0.50	MU DIVERTER SUB. TIH 8 JTS TBG TO CIBP @ 260'.	
11/17/22	7:30	8:30	1	PREP NON-ESSENTIAL EQUIPMENT FOR RIG MOVE.	
11/17/22	8:30	9:00	0.50	CEMENT SCHEDULED FOR 9:00	
11/17/22	9:00	9:30	0.50	MIRU CEMENTERS. HOLD JSA MEETING. CMT COMPANY: (RANGER).	

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Start Date:	11/8/22			End Date:	1/26/23
Datum:	RKB @ 4933			Well UWI:	0512317883
Report Date	Time From	Time To	Duration (hr)	Operation	
11/17/22	9:30	10:00	0.50	PUMP 90 SX, 15.8 PPG, 1.21 CF/SX CLASS G CEMENT, (AGM BLEND) BALANCE PLUG: (YES), TOC 11 FT, BOC 260 FT SQUEEZE: (NO), EQUIPMENT: (CICR/PACKER/NONE) DEPTH: ##### FT, BOTTOM (PERF/CSG CUT/OH): ##### FT, TOP (PERF/NA): ##### FT, TOC IN CSG: ##### FT	
11/17/22	10:00	10:30	0.50	TOOH 8 JTS TBG. LAY DOWN DIVERTER SUB.	
11/17/22	10:30	11:00	0.50	RIG DOWN RIG FLOOR. ND BOP, X-OVER SPOOL, AND W-92 FLANGE. INSTALL YELLOW CAP.	
11/17/22	11:00	13:00	2	LAY DOWN DERRICK. RD HIGH PRESSURE LINES AND SUCTION HOSES. PREP FOR MOVE.	
1/26/23	8:00	9:00	1	DUG UP SURFACE CASING	
1/26/23	9:00	10:00	1	CUT CASING 6' BELOW GL, CEMENT AT SURFACE	
1/26/23	10:00	11:00	1	CAPPED CASING WITH A METAL PLATE CONTAINING WELL INFO	
1/26/23	11:00	12:00	1	BACKFILLED	
1/26/23	12:00	12:00	0	PLACED MARKER BALL	