

US ROCKIES REGION
Operation Summary Report

Well: **HSR-CANNON LAND 6-3A**

Spud date: 10/21/2000

Project: COLORADO-WELD-NAD83-UTM13

Site: HSR-CANNON LAND 6-3A

Rig name no.: ENSIGN 319/319

Event: ABANDONMENT

Start date: 3/28/2018

End date: 4/23/2018

Active datum: RKB @4,985.99usft (above Mean Sea Level)

UWI: 0/2/N/66/W/3/0/NWSE/6/0/0/0/0/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
3/28/2018	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, START UP EQUIP.
	7:00 - 7:15	0.25	ABANDP	52	I	P		BRADENHEAD PRESSURE @ 100PSI. PRESSURE TESTED 4.5" P-CSG TOP SQUEEZE HOLE @ 861' TO 500PSI. PRESSURE DROPPED 30PSI IN 15MIN PERIOD.
	7:15 - 8:00	0.75	ABANDP	31	I	P		TAGGED TOC @ 890'. RU P-SWIVEL, EST CIRC.
	8:00 - 16:00	8.00	ABANDP	44	D	P		DRILLED OUT CMT FROM 890 TO 913'. DRILLED OUT CIRC SET BY WL @ 913. DRILLED OUT CMT TO 920'. CIRC WELL CLEAN. LD P-SWIVEL & 1JT 2.375" TBG.
	16:00 - 16:45	0.75	ABANDP	31	I	P		TOOH SB 20JTS 2.375" TBG. SB 4 JTS 3.125" DRILL COLLARS. CHANGED OUT DRILL BIT.
	16:45 - 17:15	0.50	ABANDP	31	I	P		TIH 3.785" ROCK BIT, 4 3.125" DC, 20JTS 2.375" TBG.
	17:15 - 17:30	0.25	ABANDP	30	K	P		SHUT IN & SECURED WELL. DRAINED EQUIP.
	17:30 - 18:00	0.50	ABANDP	30	G	P		CREW TRAVEL TO YARD.
3/29/2018	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. START UP EQUIP.
	7:00 - 7:30	0.50	ABANDP	31	I	P		RIG UP P-SWIVEL. EST CIRC.
	7:30 - 16:30	9.00	ABANDP	44	A	P		DRILLED OUT CMT , TAG @ 920'MD. DRILLED OUT TO 1039'MD. CIRC WELL CLEAN.
	16:30 - 17:00	0.50	ABANDP	31	I	P		RD P-SWIVEL. LD 10JTS 2.375" TBG.
	17:00 - 17:30	0.50	ABANDP	30	K	P		SHUT IN & SECURED WELL. DRAINED UP EQUIP.
	17:30 - 18:00	0.50	ABANDP	30	G	P		CREW TRAVEL TO YARD.
4/2/2018	6:00 - 6:30	0.50	ABANDP	30	G	P		CREW TRAVEL TO LOCATION.
	6:30 - 7:00	0.50	ABANDP	30	M	P		JSA MEETING. START UP EQUIP. CHECK WELL PRESSURES. TBG @ 0PSI. P-CSG @ 40PSI. S-CSG @ 10PSI.
	7:00 - 8:00	1.00	ABANDP	31	I	P		PU TIH 10JTS 2.375" TBG. TAG TOC @ 32JTS - 1020' MD. RU P-SWIVEL. EST. CIRCULATION.
	8:00 - 17:00	9.00	ABANDP	44	A	P		DRILLED OUT CMT FROM 1020' TO 1440'. AVG DRILL OUT TIME 1JT PER 45-60MIN. DRILLED OUT @ 2BBLs/MIN @ 300PSI.

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4/3/2018	17:00 - 17:45	0.75	ABANDP	31	H	P		CIRCULATED WELL CLEAN. PUMPED 30BBLS TOTAL VOLUME. LD P-SWIVEL.
	17:45 - 18:15	0.50	ABANDP	31	I	P		TOOH LD 20JTS 2.375" TBG. EOT @ 840'. 21' ABOVE TOP PERF.
	18:15 - 18:30	0.25	ABANDP	30	K	P		SHUT IN & SECURED WELL. DRAINED UP EQUIPMENT.
	18:30 - 19:00	0.50	ABANDP	30	G	P		CREW TRAVEL TO 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.
	6:45 - 7:00	0.25	ABANDP	30	M	P		EQUIPMENT START UP.
	7:00 - 8:00	1.00	ABANDP	31	I	P		TIH 100JTS 2.375" TBG 3148' MD.
	8:00 - 8:45	0.75	ABANDP	31	H	P		CIRCULATED WELL WITH CLEAN/CLEAR OF GAS. 50BBLS TOTAL VOLUME @ 300PSI.
	8:45 - 9:30	0.75	ABANDP	31	I	P		TOOH SB 100 JTS 2.375" TBG. TOPPED OFF, LOADED WELL.
	9:30 - 10:00	0.50	ABANDP	34	I	P		JSA MEETING, MIRU WL CBL EQUIP.
	10:00 - 11:30	1.50	ABANDP	41	A	P		PU RIH CBL TOOLS; 1ST RUN TOOLS NOT WORKING. 2ND RUN RAN CBL FROM 3000' TO SURFACE. CMT COVERAGE FROM 1600' TO 900'.
	11:30 - 12:30	1.00	ABANDP	46	C	P		WAITING ON WEATHER. HIGH WIND GUSTS, 32MPH ON WIND METER. RIG FACING STRAIGHT SOUTH, WIND BLOWING OUT OF THE NORTH, PUSHING TBG. STOP WORK AUTHORITY PERFORMED BY RIG COMPANY.
	12:30 - 13:00	0.50	ABANDP	30	G	P		CREW TRAVEL TO YARD.
4/4/2018	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.
	6:45 - 7:00	0.25	ABANDP	30	M	P		EQUIPMENT START UP.
	7:00 - 9:00	2.00	ABANDP	31	I	P		TIH 212JTS 2.375" TBG W/ 3.875" ROCK BIT & BIT SUB ON BOTTOM. TAGGED TOP OF CIBP @ 6700'. INSTALLED WASHINGTON RUBBER. RU P-SWIVEL. EST. CIRC.
	9:00 - 9:30	0.50	ABANDP	44	C	P		DRILLED OUT CIBP @ 6700'.
	9:30 - 10:00	0.50	ABANDP	31	I	P		LD P-SWIVEL. TIH CHASED CIBP TO BOTTOM . TAGGED BOTTOM FILL @ 7862' MD 249JTS.
	10:00 - 11:30	1.50	ABANDP	31	I	P		TOOH 2.375" TBG. LD 29JTS SB 220JTS
	11:30 - 12:00	0.50	ABANDP	34	I	P		JSA MEETING, MIRU PIONEER WL.
	12:00 - 13:00	1.00	ABANDP	34	I	P		PU RIH 4.5" CIBP & SET @ 7860' MD
	13:00 - 13:45	0.75	ABANDP	34	D	P		PU RIH DB 2SKS OF CMT @ 7860'
	13:45 - 14:30	0.75	ABANDP	34	I	P		PU RIH 4.5" CIBP & SET @ 6990' MD
	14:30 - 16:00	1.50	ABANDP	31	I	P		TIH 222 JTS 2.375" TBG. TAG TOP OF CIBP @ 6990' MD. LD 1 JT TBG. 221JTS IN WELL EOT @ 6984'

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4/5/2018	16:00 - 16:45	0.75	ABANDP	31	H	P		EST. CIRCULATION. PUMPED BOTTOMS UP 70BBLS VOLUME. CLEARED ALL GAS FROM WELL.
	16:45 - 17:00	0.25	ABANDP	31	I	P		TOOH LD 10JTS TBG. SHUT IN WELL.
	17:00 - 17:15	0.25	ABANDP	30	I	P		DRAINED UP EQUIPMENT.
	17:15 - 18:00	0.75	ABANDP	30	G	P		CREW TRAVEL TO 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.
	6:45 - 7:00	0.25	ABANDP	30	M	P		EQUIPMENT START UP.
	7:00 - 7:15	0.25	ABANDP	31	I	P		TIH 30JTS 2.375" TBG, EOT @ 6884' MD.
	7:15 - 7:30	0.25	ABANDP	31	H	P		EST CIRCULATION, LOADED WELL.
	7:30 - 8:00	0.50	ABANDP	51	E	P		PRE JOB ASSESMENT. MIRU CMT EQUIPMENT.
	8:00 - 8:30	0.50	ABANDP	51	D	P		LOADED PRESSURE TESTED CMT LINES TO 2500PSI, PRESSURE HELD. PUMPED NIO CMT PLUG. 5BBLS FRESH WATER. 30SKS @ 1.52YIELD. 8.1BBLS CMT @ 15.8PPG 24.8BBLS DISPLACEMENT. 6.25GPS. 6984' BOC. 6468' TOC.
	8:30 - 10:00	1.50	ABANDP	31	I	P		TOOH 2.375" TBG. SB 136JTS. LD 85JTS.
	10:00 - 10:30	0.50	ABANDP	34	I	P		PRE JOB ASSESMENT. MIRU PIONEER WL EQUIP. ARM PERF GUNS.
	10:30 - 11:00	0.50	ABANDP	34	H	P		PU RIH 3.125" PERF GUNS. PERF GUNS ARMED 3SPF/.5"EHD/120"PHASING. SHOT 2' GUN @ 4705' SHOT 4' GUN @ 4300'
	11:00 - 12:00	1.00	ABANDP	31	I	P		TIH 4.5" CIRC ON 137JTS 2.375" TBG. SET CIRC @ 4334'MD
	12:00 - 14:00	2.00	ABANDP	31	H	P		EST CIRCULATION . 20BBLS H2O/BIO TO LOAD WELL. CIRCULATED 180BBLS TOTAL VOLUME TO CLEAR ALL GAS.
	14:00 - 14:15	0.25	ABANDP	51	E	P		PRE JOB ASSESMENT. MIRU CMT EQUIPMENT.
	14:15 - 15:15	1.00	ABANDP	51	D	P		LOADED PRESSURE TESTED CMT LINES TO 2500PSI, PRESSURE HELD. PUMPED STUB CMT PLUG. 10BBLS SAPP. 5BBLS FRESH WATER. 150SKS @ 1.38YIELD. 36.8BBLS CMT @ 14.6PPG 16BBLS DISPLACEMENT. UNDER DISPLACED 3BBLS 6.61GPS. 4705' BOC. 4141' TOC.

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4/6/2018	15:15 - 15:45	0.50	ABANDP	31	I	P		TOOH 2.375" TBG. SB 46JTS.
	15:45 - 16:00	0.25	ABANDP	31	H	P		EST CIRC. CIRCULATED WELL CLEAN @ 2866'. 40BBLS TOTAL VOLUME.
	16:00 - 17:00	1.00	ABANDP	31	I	P		TOOH 2.375" TBG. LD 90JTS & CIRC.
	17:00 - 17:15	0.25	ABANDP	30	K	P		SHUT IN & SECURED WELL. PICKED UP EQUIPMENT, CLEANED LOC.
	17:15 - 17:30	0.25	ABANDP	30	I	P		DRAINED UP EQUIPMENT.
	17:30 - 18:00	0.50	ABANDP	30	G	P		CREW TRAVEL TO YARD.
	6:00 - 6:30	0.50	ABANDP	30	G	P		CREW TRAVEL TO LOCATION.
	6:30 - 7:00	0.50	ABANDP	30	M	P		START UP EQUIPMENT. JSA MEETING , RIG CREW AND WL CREW.
	7:00 - 7:30	0.50	ABANDP	34	1	P		MIRU PIONEER WL.
	7:30 - 8:30	1.00	ABANDP	46	A	P		WAITING ON WELLSITE SUP. WELLSITE SUP. ATTENDING VWP SAFETY MEETING.
	8:30 - 9:00	0.50	ABANDP	34	L	P		PU RIH 4.5" JET CUTTER. JET CUT 4.5" P-CSG UNDER 300PSI ADDED PRESSURE @ 811'MD
	9:00 - 10:00	1.00	ABANDP	31	H	P		EST. CIRCULATION. PUMPED 120BBLS FRESH WATER/BIO @ 2BBLS PER MIN @ 300PSI. FULL RETURNS THROUGH OUT CIRC.
	10:00 - 10:30	0.50	ABANDP	30	J	P		ND TBG EQUIP, BOP, REMOVED EXISTING 5K TBG HEAD. REMOVED SURFACE HEAD CAP AND ELEMENTS. RU 4.5" CSG SPEAR, UNLANDED P-CSG PULLING MAX # OF 60K.
	10:30 - 11:00	0.50	ABANDP	30	F	P		NU P&A SPOOL & BOP. RU TBG EQUIP ALL SET FOR 4.5" TBG.
	11:00 - 11:30	0.50	ABANDP	31	I	P		TOOH LD 20JTS 4.5" P-CSG.
4/9/2018	11:30 - 16:00	4.50	ABANDP	31	I	P		TIH 2.375" J55 TBG. UNABLE TO GET BACK INTO 4.5" CSG STUB. TAGGED FILL @ 860' MD. 860' CMT TOP FOR ORIGINAL BRADENHEAD SQUEEZE. TOOH SB 2.375" TBG.
	16:00 - 16:30	0.50	ABANDP	30	I	P		SHUT IN & SECURED WELL. DRAINED & WINTERIZED EQUIP.
	16:30 - 17:00	0.50	ABANDP	30	G	P		CEW TRAVEL TO LOCATION.
	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 SAFETY MEETING.
	6:45 - 7:00	0.25	ABANDP	30	M	P		EQUIPMENT START UP.

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	7:00 - 15:00	8.00	ABANDP	31	I	P		TIH 27 JTS 2.375" TBG. ATTEMPT TO GET INTO 4.5" P-CSG STUB UNSUCCESSFUL. LAST RESORT RIH WITH 6.25" IMPRESSION BLOCK, TAGGED AT 861'. NO GOOD IMPRESSION MADE, JUST SEVEARL SCRATCHES. TOOH STOOD BACK 2.375" TBG. SHUT IN & SECURED WELL. WAITING ON STATE APPROVALS.
	15:00 - 15:30	0.50	ABANDP	30	G	P		CREW TRAVEL TO YARD.
4/10/2018	8:00 - 8:30	0.50	ABANDP	30	G	P		CREW TRAVEL TO LOCATION.
	8:30 - 8:45	0.25	ABANDP	48	B	P		JSA MEETING.
	8:45 - 9:00	0.25	ABANDP	30	M	P		START UP EQUIPMENT.
	9:00 - 10:00	1.00	ABANDP	31	I	P		TIH 27JTS 2.375" TBG. UNABLE TO GET INTO 4.5" CSG STUB @ 811' MD. WAITING ON STATE APPROVALS.
	10:00 - 12:00	2.00	ABANDP	46	A	P		
	12:00 - 14:30	2.50	ABANDP	46	F	P		RECEIVED PHONE CALL FROM TREY SLOAN APC ENGINEER. APPROVAL FROM STATE TO PROCEED WITH WORK PUMP CMT FROM 861'. WAITING ON CMT ARRIVAL.
	14:30 - 15:00	0.50	ABANDP	51	E	P		MIRU C&J CMT EQUIP. JOB ASSESSMENT.
	15:00 - 16:00	1.00	ABANDP	51	D	P		LOADED & PRESSURE TESTED LINES TO 2000PSI, PRESSURE HELD. STUB PLUG CMT. C&J MIGRASEAL 10BBLS SAPP 10BBLS FRESH WATER 130SKS @ 1.38 YIELD 32BBLS @ 14.6 PPG 6.61 GPS .5BBL DISPLACEMENT 861' BOC 350' TOC
	16:00 - 16:30	0.50	ABANDP	31	I	P		TOOH LD 24JTS 2.375" TBG.
	16:30 - 17:00	0.50	ABANDP	31	H	P		RU CMT LINE ON TBG. CIRCULATED WELL & EQUIPMENT CLEAN @ 100'. TOOH LD REMAINING 3JTS.
	17:00 - 17:30	0.50	ABANDP	30	K	P		SHUT IN, SECURED WELL. DRAINED UP EQUIPMENT.
	17:30 - 18:00	0.50	ABANDP	30	G	P		CREW TRAVEL TO YARD.
4/11/2018	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.
	6:45 - 7:00	0.25	ABANDP	30	M	P		EQUIPMENT START UP.
	7:00 - 7:30	0.50	ABANDP	31	I	P		PU TIH 2.375" TBG TAG TOC @ 19JTS 598'MD.
	7:30 - 8:00	0.50	ABANDP	33	D	P		LOADED WELL. PSI TEST S-CSG TO 500PSI/15MIN. PSI HELD.
	8:00 - 8:15	0.25	ABANDP	31	I	P		TOOH LD 19JTS 2.375" TBG.
	8:15 - 8:30	0.25	ABANDP	30	I	P		DRAIN EQUIPMENT.
	8:30 - 9:00	0.50	ABANDP	30	J	P		RD TBG EQUIP, W-FLOOR, BOP & P&A SPOOL.

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	9:00 - 9:30	0.50	ABANDP	34	1	P		MIRU WL, JOB ASSESMENT.
	9:30 - 9:45	0.25	ABANDP	34	I	P		PU RIH 8.625" CIBP SET @ 80'.
	9:45 - 11:00	1.25	ABANDP	30	C	P		RACK UP PUMP & TANK. RD ENSIGN 319. CLEAN UP LOCATION. INSTALL CATTLE GUARD AROUND WELL. MOVE OUT EQUIP.
4/23/2018	8:00 - 9:00	1.00	ABANDP	52		P		PRESSURE TESTED CIBP, SURFACE CASING TO 500 PSI
	9:00 - 10:00	1.00	ABANDP	53	B	P		DUG UP SURFACE CASING
	10:00 - 11:00	1.00	ABANDP	53	C	P		CUT CASING 6' BELOW GL, TAGGED @ 70'
	11:00 - 12:00	1.00	ABANDP	53	B	P		FILLED CASING STUB WITH 38 BAGS 5000 PSI CEMENT
	12:00 - 13:00	1.00	ABANDP	53	A	P		CAPPED CASING WITH A METAL PLATE CONTAINING WELL INFO
	13:00 - 14:00	1.00	ABANDP	53	B	P		BACKFILLED
	13:00 - 13:00	0.00	ABANDP	53	F	P		DROPPED MARKER BALL
	12:30 - 12:30	0.00	ABANDP	50		P		P&A'd OFFLINE. JSND/DKTA.