

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

Well: UPRR PAN AM 1 #49				Spud date: 1/23/1971					
Project: COLORADO-WELD-NAD83-UTM13				Site: UPRR PAN AM 1 #49				Rig name no.: ENSIGN 122/122	
Event: RE ENTER				Start date: 11/21/2018				End date: 12/5/2018	
Active datum: RKB @4,875.00usft (above Mean Sea Level)				UWI: SW/SW/0/4/N/67/W/15/0/0/6/PRIIME/S/660.00/W/0/0/0/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation	
10/2/2018	7:00 - 16:00	9.00	SURFPR	53		P		MILLER HFI USED HYDROVAC TO LOCATE OLD WELL. USED BACKHOE TO EXCAVATE AND EXPOSE OLD WELL. HAUL IN 8 BARRICADES, BUILD STRING FENCE, MAKE ENTRANCE. DROVO BRING 2 SIDE DUMPS OF SCREENED TOPSOIL FOR ENTRANCE. WELDER WELD ON COLLAR FOR HOT TAP.	
10/3/2018	7:00 - 13:00	6.00	SURFPR	53		P		WELDER CUT OFF CAP, FLUID ENERGY LOAD WELL, MILLER HFI USED BACK HOE TO SET WELLHEAD, WELDER WELD ON COLLAR AND WELLHEAD WITH SUB. SET CELLAR, BACK FILL, SET GRATES AND INSTALL SNOW FENCE AROUND WELL.	
11/15/2018	8:00 - 11:00	3.00	SURFPR	53		P		MILLER HFI EXTENDED ENTRANCE FURTHER WEST FOR ENSIGN 122 RIG AND TRUCKS USING TWO SIDE DUMPS OF SCREENED TOPSOIL.	
11/21/2018	0:00 - 6:00	6.00	ABANDP	21	C	P		WAIT ON DAYLIGHT TO MOVE THE RIG	
	6:00 - 10:30	4.50	ABANDP	01	A	P		HELD SAFTEY MEETING WITH TRUCKS, MOVE RIG TO LOC. SPOT & SET RIG	
	10:30 - 14:00	3.50	ABANDP	01	B	P		RIG UP	
	14:00 - 18:00	4.00	ABANDP	14	A	P		NIPPLE UP BOP, FUNCTION TEST RAMS	
	18:00 - 20:30	2.50	ABANDP	14	A	P		TEST BOP RAMS, ANNULAR, HCR,CHOKE,FOSV TO 250 LOW, 1500 HIGH	
	20:30 - 21:30	1.00	ABANDP	06	C	P		STRAP PIPE, LOAD RACKS, M/U BIT, RIH TAG CEMENT @ 40'	
	21:30 - 0:00	2.50	ABANDP	03	E	P		DRILL SURFACE PLUG, TAG 1ST PLUG @ 165' DRILL CMT TO 205' WASH & REAM	
11/22/2018	0:00 - 5:00	5.00	REE	03	E	P		WASHING DOWN GOT TO 1349' STARTED TO GAS.	
								PERAMETRS= CONVENTIONAL CIRCULATION 9bbl's/min ROP 300ft/hr 30rpm 9.5ppg W/ 30visc	
	5:00 - 6:30	1.50	REE	05	D	P		TOOK GAS KICK CIRULATE GAS OUT OF WELL.CHECK FLOW NO FLOW CONTINUE WASHINGDOWN.	
	6:30 - 0:00	17.50	REE	03	E	P		CONTINUE WASHING DOWN CIRCULATING BOTTOMS UP EVERY 500' RECORD SPRS THROUGH 4166' PERAMETERS ALL SAME.	
11/23/2018	0:00 - 6:30	6.50	REE	03	E	P		CONINUE WASHING DOWN TO 5520' GET READY TO DO BOTTOMS UP	
								PERAMETRS= CONVENTIONAL CIRCULATION 9bbl's/min ROP 300ft/hr 30rpm 9.5ppg W/ 30visc	

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Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	6:30 - 8:00	1.50	REE	22	N	P		WHILE CIRCULATING BOTTOMS UP WELL. STARTED TAKING GAS KICK PUH SWI. SHUT IN PRESSURE 200PSI. GET BACKSIDE THROUGH CHOKE FLARE GAS BRING PUMP BACK ON LINE CIRCULATE GAS OUT OF WELL GET PERAMTERS BACK SLOWELY OPENING CHOKE & KEEPING STAND PIPE PRESSURE. GET BACKSIDE PRSSURE DOWN & KICK OUT OF WELL BORE.PERFORM 5min FLOW CHECK NO FLOW, DOUBLE CHECK & WATCH FLOW FOR 5 MORE MIN. NO FLOW. DECIDE TO CUT BACK FROM 500' SECTIONS TO 200+/- FOR CIRCULATING BOTTOMS UP,TO GET LESS GAS.( RIG CREW PERFORMED VERY WELL LIVE BOP DRILL 10sec HORN BLAST EVERY ONE TO POST GOT WELL SHUT IN & RE DIRECTED GOOD JOB).
	8:00 - 21:45	13.75	REE	03	E	P		CONTINUE WASHING DOWN TO 7504' STARTED SEEING WEIGHT ON BIT @ 7500'
								PERAMETERS= CONVENTIONAL CIRCULATION 9 bbl's/min ROP 300 ft/hr 30 rpm 9.5 ppg W/ 30 visc
	21:45 - 23:15	1.50	REE	05	F	P		CIRC. 2 BOTTOMS UP, FLARE DIED DOWN TO NOTHING AFTER FIRST CIRC. FLOW CHECK NO FLOW
	23:15 - 23:30	0.25	REE	06	C	P		TRIP OUT OF THE HOLE
	23:30 - 0:00	0.50	REE	22	M	X		WORK TIGHT HOLE F/ 7130' TO 7079' HAD TO PUMP OUT, WANTING TO PACK OFF
11/24/2018	0:00 - 0:15	0.25	REE	22	M	X		FINISH WORKING PIPE FREE TO 7079' PUMPING OUT, WANTING TO PACK OFF
	0:15 - 5:00	4.75	REE	06	C	P		CONTINUE TRIPPING OUT WET PIPE LD BHA & BIT
	5:00 - 7:00	2.00	REE	06	A	P		TIH HOLE OPEN ENDED TO 2147'.
	7:00 - 7:30	0.50	REE	05	C	P		PUMP LOAD HOLE ESTABLISH CIRCULATION RETURNS BACK AT SHAKER.
	7:30 - 11:00	3.50	REE	06	A	P		CONTINUE TIH W/ 4" DRILL PIPE EOT@7497'
	11:00 - 13:00	2.00	REE	05	C	P		RU PUMP ESTABLISH CIRCULATION CIRCULATE 2 670BBL'S BOTTOMS UP
	13:00 - 16:00	3.00	REE	10	C	P		MIRU CORE-TECH RIH MAKING STOPS EVERY 100' DOWN TO 7350'.POOH RDMO CORE-TECH EMAIL GYRO TO APC.
	16:00 - 17:30	1.50	REE	12	G	P		MIRU C&J SERVICES, PUMP 5bbl's FRESH,10bbl's SAPP,5bbl's FRESH 440sx(119bbl's) CLASS G CEMENT 15.8ppg 1.52ft3/sx 4bbl's/min @ 100psi DISPLACE 56bbl's FRESH,RDMO C&J SERVICES.RETURNS DURING JOB GOOD.
	17:30 - 19:00	1.50	REE	06	A	P		PUH LD 69jnt's 4" DRILL PIPE EOT@ 5522'
	19:00 - 22:00	3.00	REE	13	B	P		CIRCULATE HOLE WAIT ON CEMENT TO TAG W/ SLICKLINE.
	22:00 - 23:45	1.75	REE	11	E	P		HELD SAFETY MEETING, R/U CORE TECH, RIH TAG CMT @ 5338' RIG DOWN
	23:45 - 0:00	0.25	REE	12	G	P		HELD SAFETY MEETING WITH C&J RIG UP TO PUMP SUSSEX PLUG

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11/25/2018	0:00 - 1:00	1.00	REE	12	G	P		EOT@4523, PUMP 5bbl's FRESH,10bbl's SAPP,5bbl's FRESH 180sx(77.25bbl's) TYPE III CEMENT 12ppg 2.41 ft3/sx 4 bbl's/min @100psi DISPLACE 34bbl's FRESH,RDMO C&J SERVICES.RETURNS DURING JOB GOOD. 3237' ETOC
	1:00 - 3:30	2.50	REE	06	C	P		PUH L/D 85 JTS. @ 45 FT. PER/MIN TO 3100' TOH TO 859'
	3:30 - 5:00	1.50	REE	13	B	P		CIRC. HOLE CLEAR PIPE, WAIT ON CEMENT
	5:00 - 7:30	2.50	REE	11	E	P		HELD SAFETY MEETING, R/U CORE TECH, RIH, TAG CEMENT @3216' RDMO CORE-TECH WL HAD HARD TIME GETTING DOWN DO TO MUD BEING THICK.
	7:30 - 8:30	1.00	REE	21	D	P		WAIT FOR MORE WATER.
	8:30 - 10:00	1.50	REE	12	G	P		PUMP 5bbl's FRESH,10bbl's SAPP,5bbl's FRESH 340sx(85bbl's) CLASS III CEMENT 14.6ppg 1.37ft3/sx 2bbl's/min @30psi DISPLACE 1bbl's FRESH,RDMO C&J SERVICES.RETURNS DURING JOB GOOD.
	10:00 - 11:00	1.00	REE	06	C	P		PUH LD 17JNT'S EOT@113' CIRCULATE HOLE CLEAN UP SCSG.TOOH 3JNT'S
	11:00 - 13:00	2.00	REE	13	B	P		WAIT ON CEMENT FOR TAG.
	13:00 - 14:00	1.00	REE	11	A	P		HELD SAFETY MEETING RIH TAG TOC @130'gl .RU 8 5/8" CIBP @80' PUH STACK BACK DOWN ON TO VERIFY SET,POOH RDMO PIONEER WL.
	14:00 - 0:00	10.00	REE	01	E	P		RDMO ENSIGN 122 HAUL OFF ALL MUD TO ARF GET TANKS CLEAN.
11/26/2018	0:00 - 7:00	7.00	ABANDP	01	E	P		RDMO ENSIGN 122.
12/5/2018	14:30 - 14:30	0.00	ABANDP	50		P		P&A'd OFFLINE. CODL.
	10:00 - 11:00	1.00	ABANDZ	52		P		PRESSURE TESTED CIBP, SURFACE CASING TO 500 PSI
	11:00 - 12:00	1.00	ABANDZ	53	B	P		DUG UP SURFACE CASING
	12:00 - 13:00	1.00	ABANDZ	53	C	P		CUT CASING 6' BELOW GL, TAGGED @ 82'
	13:00 - 14:00	1.00	ABANDZ	53	B	P		FILLED CASING STUB WITH 52 BAGS 5000 PSI CEMENT
	14:00 - 15:00	1.00	ABANDZ	53	A	P		CAPPED CASING WITH A METAL PLATE CONTAINING WELL INFO
	15:00 - 16:00	1.00	ABANDZ	53	B	P		BACKFILLED
	16:00 - 16:00	0.00	ABANDZ	53	F	P		PLACED MARKER BALL
12/6/2018	9:00 - 11:00	2.00	SURFPR	53		P		MILLER HFI USED SKID STEER TO PICK UP CELLAR AND GRATES, REMOVE T-POST STRING FENCE.