

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

Well: HSR-FRIEDMAN 6-21A				Spud date: 2/26/1989					
Project: COLORADO-WELD-NAD83-UTM13			Site: HSR-FRIEDMAN 6-21A				Rig name no.: BRIGADE 3/3		
Event: CONST- CAP WELL WORK			Start date: 5/11/2018					End date:	
Active datum: RKB @4,973.99usft (above Mean Sea Level)				UWI: 0/3/N/66/W/21/0/NWSE/6/0/N/1980/W/0/-1980/0/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation	
4/27/2018	12:00 - 14:00	2.00						INSTALL STRING LINE	
5/9/2018	14:00 - 16:00	2.00	WO/REP	35	D	P		MIRU SUMMIT SLICKLINE RIH FISHED TOOLS AT SN=7452. COULD NOT TAG BECAUSE OF 1-1/4 TBG IN THE HOLE THIS TRUCK DID NOT HAVE SMALL TOOLS	
5/11/2018	6:00 - 6:30	0.50	WO/REP	30	G	P		CT TO LOCATION	
	6:30 - 6:45	0.25	WO/REP	48	B	P		JSA SAFETY MEETING (SEE SAFETY TAB)	
	6:45 - 7:00	0.25	WO/REP	52	I	P		SURFACE CSG PRESSURE: 0 PSI KEPT IT OPEN DURING DAILY OPS	
	7:00 - 9:00	2.00	WO/REP	30	A	P		MIRU SPOT IN EQUIPMENT RIG UP RIG, PUMP & TANK LINES	
	9:00 - 9:45	0.75	WO/REP	30	E	P		TP:400, CP:400 PSI. BLOW DOWN WELL AND CONTROL TBG W/15 BBLS CONTROL CSG W/35 BBLS WATER W/BIO.	
	9:45 - 10:30	0.75	WO/REP	30	F	P		FUNCTION TESTED 5KBOP ND OLD STYLE 5KWH NU 5K BOP RU WORK FLOOR AND TBG EQUIPMENT.	
	10:30 - 11:15	0.75	WO/REP	31	I	P		TOOH TALLY OUT 60 JTS 2 3/8 TBG. **WELL STARTED GASSING PRETTY HARD. STOP TO PUMP FLUID ON WELL**	
	11:15 - 11:45	0.50	WO/REP	30	E	X		PUMPED 15 BBLS DOWN TBG PUMPED 30 BBLS ON CSG WATER W/BIO	
	11:45 - 12:15	0.50	WO/REP	30	K	P		RIG CREW TOOK LUNCH	
	12:15 - 14:00	1.75	WO/REP	31	I	P		CONTINUED TOOH TALLY OUT TOTAL 236 JTS 2 3/8 TBG PUMPED 20 BBLS WATER W/BIO DOWN CSG, CHANGED TOOLS LAY DOWN 12 JTS 1-1/4" TBG ON TRAILER.	
	14:00 - 14:30	0.50	WO/REP	49	C	Z		TOOK BOP RAMS OUT TO INSPECT THEM, PIPE RAMS WERE LEAKING PUT THEM BACK TOGETHER	
	14:30 - 16:30	2.00	WO/REP	31	I	P		PICK UP THUNDERBIRD SERVICES 4.5" CSG SCRAPER TIH 2 3/8 TBG WORKED CSG SCRAPER AT 7110' TO 7145' TIH TO 7380'	
	16:30 - 17:00	0.50	WO/REP	30	I	P		DRAIN FLUID OUT FROM PUMP LINES SWI SDFN	
	17:00 - 17:30	0.50	WO/REP	30	G	P		CT TO THE YARD	
5/14/2018	6:00 - 6:30	0.50	WO/REP	30	G	P		CT TO LOCATION	
	6:30 - 6:45	0.25	WO/REP	48	B	P		JSA SAFETY MEETING (SEE SAFETY TAB)	
	6:45 - 7:00	0.25	WO/REP	52	I	P		SURFACE CSG PRESSURE: 0 PSI	
	7:00 - 7:30	0.50	WO/REP	30	E	P		STARTED EQUIPMENT	
	7:00 - 7:30	0.50	WO/REP	30	E	P		TP:400, CP: 400 PSI PUMPED 15 BBL ON TBG & 30 BBLS ON CSG	
	7:30 - 8:00	0.50	WO/REP	31	I	P		TIH 4 JTS 2 3/8 TBG TOTAL 236 JTS IN THE HOLE. RU HOLE SEEKERS EMI UNIT	
	8:00 - 10:30	2.50	WO/REP	31	I	P		TOOH EMI TBG OUT LD 6 BAD JTS STAND BACK REST OF TBG RD EMI UNIT	
	10:30 - 12:00	1.50	WO/REP	31	I	P		PICK UP THUNDERBIRD SERVICES 4.5" RBP TIH SET IT AT 7350" W/233 JTS	
	12:00 - 12:15	0.25	WO/REP	31	I	P		TOOH LD 2 JTS RU CIRCULATING EQUIPMENT	
	12:15 - 13:15	1.00	WO/REP	31	H	P		CIRCULATE GAS OUT	
	13:15 - 13:30	0.25	WO/REP	52	G	P		PRESSURE TEST CSG & RBP TO 500 PSI FOR 15 MINUTES WITH RIG PUMP GOOD TEST	

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5/15/2018	13:30 - 14:00	0.50	WO/REP	31	H	P		TOOH 700' OF TBG SPOT 2 SX OF SAND ON RBP FLUSHED IT WITH 20 BBLS OF WATER W/BIO DOWN 2 3/8 TBG
	14:00 - 15:30	1.50	WO/REP	31	I	P		TOOH SB 2 3/8 TBG
	15:30 - 17:00	1.50	WO/REP	31	I	P		TIH THUNDERBIRD SERVICES 2ND 4.5" RBP TO SET IT AT 7233' W/229 JTS 2 3/8 TBG. LD 2 JTS
	17:00 - 17:30	0.50	WO/REP	30	I	P		DRAIN FLUID FROM LINES SWI SDFN
	17:30 - 18:00	0.50	WO/REP	30	G	P		CT TO THE YARD
	6:00 - 6:30	0.50	WO/REP	30	G	P		CT TO LOCATION
	6:30 - 6:45	0.25	WO/REP	48	B	P		JSA SAFETY MEETING (SEE SAFETY TAB)
	6:45 - 7:00	0.25	WO/REP	52	I	P		SURFACE CSG PRESSURE: 0 PSI STARTED EQUIPMENT
	7:00 - 8:00	1.00	WO/REP	31	H	P		CIRCULATE GAS OUT
	8:00 - 8:30	0.50	WO/REP	31	I	P		TOOH LD 2 JTS 2 3/8 TBG SPOT 2 SX OF SAND ON RBP AT 7233' FLUSHED IT W/20 BBLS OF WATER W/BIO ** (226 JTS LEFT IN THE HOLE WITH XN NIPPLE AND RETIEVING HEAD)**
	8:30 - 9:15	0.75	WO/REP	30	J	P		RD WORK FLOOR ND 5K BOP & OLD 5KWH NU RE-CONDITIONED 4.5" 5K SEABOARD WELLHEAD (FROM APC YARD)
	9:15 - 10:30	1.25	WO/REP	52	G	P		MIRU HOLE SEEKERS TESTER TORQUE WH** (PRESSURE TEST WH AND CSG CONNECTION WITH RIG PUMP TO 500 PSI/15 MINUTES) HOLE SEEKERS PT WH TO 5000 PSI FOR 15 MINUTES
	10:30 - 11:30	1.00	WO/REP	30	C	P		RACK PUMP & TANK LINES CLEAN LOCATION RDMO BRIGADE #3