

US ROCKIES REGION
Operation Summary Report

Well: MEGUIRE #2 Spud date: 10/15/2017

Project: COLORADO-WELD-NAD83-UTM13 Site: MEGUIRE 5-21HZ PAD Rig name no.: PRECISION 461/461

Event: DRILLING Start date: 10/1/2017 End date: 11/5/2017

Active datum: RKB @4,916.00usft (above Mean Sea Level) UWI: SW/NW/0/2/N/65/W/21/0/0/6/PM/0/0/0/0/0/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
9/22/2017	0:00 - 0:00	0.00	DRLCON			P	20	PRESET CONDUCTOR
10/15/2017	16:00 - 17:30	1.50	MIRU	01	B	P	100	WALK RIG TO MEGUIRE #1 AND SPOT UP OVER WELL.
	17:30 - 18:00	0.50	MIRU	01	B	P	100	SET IN CELLAR PUMPS, MIX MUD, CHANGE SHAKER SCREENS, RIG UP CATWALK, TIE DOWN BOPS IN SUB, DROPS INSPECTION OF DERRICK, CHANGE SAVER SUB OUT ON TD. INSTALL SCREENS ON SHAKERS.
	18:00 - 20:00	2.00	MIRU	01	B	P	100	REVIEW PRE-SPUD CHECKLIST. PREPARE RIG FLOOR FOR DRILLING OPERATIONS. RIG UP TRANSFER PUMP. PICK UP CELLAR AREA UP OF MISC. TOOLS AND DEBRIS. MOVE SURFACE DRILLING TOOLS TO RIG FLOOR
	20:00 - 21:30	1.50	MIRU	01	B	P	100	PICK RR, REED 13.5 TFHI 519M, BIT WITH 1.75 TITAN MOTOR, 7/8 4 STG 1.75 BENT HOUSING.
	21:30 - 23:30	2.00	DRLSUR	02	B	P	100	DRILL 13.5 SURFACE HOLE FROM 100 TO 357
								WOB - 10K RPM - 10 MOTOR RPM - 121 GPM - 710 ON/OFF PSI - 900/800 DIFF 100 PSI HOOKLOAD UP/DOWN/ROT - 55/ 55/ 55 TORQUE 8.5 OFF BOTTOM - 3.5K
	23:30 - 0:00	0.50	DRLSUR	06	A	P	357	MUD WT 8.5 VIS 38 TOH WITH 3 STAND OF HWDP TO PICK UP COLLARS
10/16/2017	0:00 - 5:00	5.00	DRLSUR	02	B	P	357	DRILL 13.5 SURFACE HOLE FROM 357 TO 1,044'
								WOB - 10K RPM - 10 MOTOR RPM - 121 GPM - 710 ON/OFF PSI - 900/800 DIFF 100 PSI HOOKLOAD UP/DOWN/ROT - 55/ 55/ 55 TORQUE 8.5 OFF BOTTOM - 3.5K
	5:00 - 5:30	0.50	DRLSUR	07	A	P	1044	MUD WT 8.5 VIS 38 SERVICE TOP DRIVE

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	5:30 - 12:45	7.25	DRLSUR	02	C	P	1044	DRILL 13.5 SURFACE HOLE FROM 1,044' TO 2,207' WOB - 10K RPM - 10 MOTOR RPM - 121 GPM - 710 ON/OFF PSI - 900/800 DIFF 100 PSI HOOKLOAD UP/DOWN/ROT - 112/ 90/ 101 TORQUE 8.5 OFF BOTTOM - 3.5K MUD WT 8.5 VIS 38
	12:45 - 13:30	0.75	CSGSUR	05	C	P	2207	CIRCULATE HOLE CLEAN AND SLUG PIPE.
	13:30 - 17:30	4.00	CSGSUR	06	D	P	2207	TOOH L/D 5" DRILL PIPE AND 8" BHA.
	17:30 - 18:30	1.00	CSGSUR	06	D	P	2207	CLEAR AND CLEAN FLOOR OF ALL EXCESS EQUIPMENT AND TOOLS.
	18:30 - 19:45	1.25	CSGSUR	12	A	P	2207	PJSM WITH RIG CREW AND NOBLE CASING CREW. RIG UP SURFACE CASING EQUIPMENT INCLUDING CRT.
	19:45 - 0:00	4.25	CSGSUR	06	D	P	2207	RUN 9 5/8" 36# J55 LTC CASING TO 1,960 AT MIDNIGHT JOB SUMMARY: TOP FILLING ON EVERY JT. SHOE DEPTH@2,195'. FLOAT COLLAR TOP@ 2,148' RAN 31 SCEPTOR SUPPLY, 9.625"x 12.25" BOWSPRING CENTRALIZERS, ONE ON EVERY JT FOR 7 JOINTS THEN EVERY OTHER ALL THE WAY TO SURFACE.
10/17/2017	0:00 - 0:45	0.75	CSGSUR	12	C	P	2207	RUN 9 5/8" 36# J55 LTC CASING FROM 1,960 TO 2,195 JOB SUMMARY: TOP FILLING ON EVERY JT. SHOE DEPTH@2,195'. FLOAT COLLAR TOP@ 2,148' RAN 31 SCEPTOR SUPPLY, 9.625"x 12.25" BOWSPRING CENTRALIZERS, ONE ON EVERY JT FOR 7 JOINTS THEN EVERY OTHER ALL THE WAY TO SURFACE LAND CASING @ 2,195.'
	0:45 - 1:15	0.50	CSGSUR	05	D	P	2207	BREAK DOWN AND LAY DOWN CRT (CASING RUNNING TOOL) AND PICK UP CEMENT HEAD.
	1:15 - 2:00	0.75	CSGSUR	05	D	P	2207	CIRC. BOTTOMS UP WITH CASING LANDED @ 2,195
	2:00 - 2:45	0.75	CSGSUR	12	B	P	2207	PJSM WITH BISON CEMENTERS. RIG UP CEMENT LINES.
	2:45 - 4:30	1.75	CSGSUR	12	E	P	2207	CEMENT 9 5/8 SURFACE CASING AT 2,195 TEST LINES TO 2,000 PSI, PUMP 30 BBL SPACER WITH RED DYE IN SECOND 10 BBLs. PUMP 235.7 BBLs OF 14.2 PPG CEMENT DROP TOP PLUG AND DISPLACE 169 BBLs FRESH WATER. BUMP 500 PSI OVER FINAL LIFT PRESSURE. HOLD FOR 5 MINUTES AND BLEED OFF AND CHECK FLOATS. FLOATS GOOD.

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Event: DRILLING		Start date: 10/1/2017	End date: 11/5/2017
Active datum: RKB @4,916.00usft (above Mean Sea Level)		UWI: SW/NW/0/2/N/65/W/21/0/0/6/PM/0/0/0/0/0/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	4:30 - 5:15	0.75	CSGSUR	12	B	P	2207	RIG DOWN CEMENTERS, AND LAY DOWN LANDING JOINT. FLUSH ALL EQUIPMENT WITH SUGAR WATER AND DRAIN CELLAR TRANSFER PUMP.
	5:15 - 6:45	1.50	CSGSUR	12	B	P	2207	RIG DOWN CELLAR PUMPS, HOSES, GUN LINES, PULL MOUSE HOLE AND PREP FOR N/U BOPE. INSTALL AND TEST WELLHEAD VALVE TO 5,000 PER GE REP.
	6:45 - 11:00	4.25	CSGSUR	14	A	P	2207	PICK AND NIPPLE UP BOP, CHOKE AND KILL LINES VALVES, FLOW LINE, AND ACCUMULATOR LINES. TORQUE ALL BOLTS. CHANGE SAVER SUB TO XT 39.
	11:00 - 21:00	10.00	CSGSUR	15	A	P	2207	TEST BOPS PRE JOB SAFETY MEETING WITH RIG AND TESTING CREW. R/U TEST JOINT. TEST SUPER CHOKE TO 1,000 FOR 2 MINUTES. TEST KILL SIDE, CHOKE LINES, HCR, ALL FLOOR VALVES, UPPER AND LOWER PIPE RAMS, BLIND RAMS, AND ALL TOPDRIVE VALVES TO 250 / 5000 FOR 10 MIN. TEST ANNULAR PREVENTER TO 250 / 2500 PSI FOR 10 MIN. TEST MUD LINES TO 5,000 PSI. TEST 9 5/8 SURFACE CASING TO 2,000 FOR 15 MINUTES. LOWER PIPE RAMS FAILED TO TEST---CHANGE 3 1/2 X 5 1/2 VARIABLES TO 4". REPLACE DOOR SEALS AND RE TEST. PASSED. BLIND RAMS FAILED TO TEST. CHANGE RUBBERS OUT AND REPEAT PRESSURE TEST.
	21:00 - 21:30	0.50	CSGSUR	06	A	P	2207	PREP RIG FLOOR FOR P/U BHA AND 4" DP.
	21:30 - 23:00	1.50	CSGSUR	06	A	P	2207	P/U BIT, MOTOR, MONELS AND MWD AND SCRIBE
	23:00 - 0:00	1.00	CSGSUR	06	A	P	2207	TIH PICKING UP DP 1 X 1.
10/18/2017	0:00 - 2:30	2.50	CSGSUR	06	A	P	2207	RIH PICKING UP 4" DP 1 X 1.
	2:30 - 3:00	0.50	DRLIN1	02	B	P	2207	DISPLACE WATER WITH 9.5 OBM AND CLEAN OUT SHOE TRACK, FLOAT COLLAR @ 2,149', FLOAT SHOE @ 2,195' AND OLD HOLE TO 2,207.
	3:00 - 3:15	0.25	DRLIN1	02	B	P	2207	DRILL 20' NEW FORMATION F/ 2,207 TO 2,227.
	3:15 - 3:45	0.50	DRLIN1	05	A	P	2227	CIRC. HOLE PRIOR TO FIT.

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	3:45 - 4:15	0.50	DRLIN1	16	B	P	2227	RIG UP AND PERFORM FIT WITH RIG PUMPS: MD==2,227 TVD==2062 TEST MW==9.5 CASING PRESSURE==911 EMW==18 PPG PUMP RATE==29 GPM BBLs PUMPED .847 10 MINUTE PRESSURES: INITIAL PRESSURE APPLIED===911 PSI 887 882 880 879 878 878 877 877 876 876
	4:15 - 4:45	0.50	DRLIN1	02	B	P	2227	DRILL 8 1/2 PRODUCTION VERTICAL HOLE SECTION FROM 2,227 TO 2,280' WOB - 10-22K RPM - 60 - 70 MOTOR RPM - 175 GPM - 600 ON/OFF PSI - 3,500/ 3,050 PSI DIFF - 450 PSI HOOKLOAD UP/DOWN/ROT - 80 / 70 / 75 TORQUE 7000K OFF BOTTOM - 4K MUD WT 9.3 PPG VIS 71
	4:45 - 5:30	0.75	DRLIN1	08	B	Z	2280	GO THRU #2 PUMP
	5:30 - 13:30	8.00	DRLIN1	02	B	P	2280	DRILL 8 1/2" PRODUCTION VERTICAL HOLE SECTION FROM 2,280' TO 4,030" WOB - 10-22K RPM - 60 - 70 MOTOR RPM - 175 GPM - 600 ON/OFF PSI - 3,500/ 3,050 PSI DIFF - 450 PSI HOOKLOAD UP/DOWN/ROT - 95 / 78 / 90 TORQUE 8.5K OFF BOTTOM - 4K MUD WT 9.2 PPG VIS 58
	13:30 - 13:45	0.25	DRLIN1	07	A	P	4030	RIG SERVICE

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	13:45 - 15:00	1.25	DRLIN1	02	B	P	4030	DRILL 8 1/2" PRODUCTION VERTICAL HOLE SECTION FROM 4,030" TO 4,126' WOB - 10-25K RPM - 60 - 70 MOTOR RPM - 175 GPM - 600 ON/OFF PSI - 3,500/ 3,050 PSI DIFF - 450 PSI HOOKLOAD UP/DOWN/ROT - 95 / 78 / 90 TORQUE 8.5K OFF BOTTOM - 4K MUD WT 9.2 PPG VIS 58
	15:00 - 15:45	0.75	DRLIN1	05	C	P	4126	CIRCULATE AROUND SWEEP, 2 BOTTOMS UP TOTAL
	15:45 - 17:45	2.00	DRLIN1	06	B	P	4126	TRIP OUT, LAY DOWN MOTOR AND BIT
	17:45 - 18:15	0.50	DRLIN1	06	B	P	4126	CLEAN RIG FLOOR
	18:15 - 19:00	0.75	DRLIN1	11	C	P	4126	PJSM WITH RIG CREW, SCHLUMBERGER AND HALLIBURTON , RIG UP SAME
	19:00 - 23:00	4.00	DRLIN1	11	C	P	4126	RUN RANGING TOOL WIRE LINE RUN #1
	23:00 - 23:30	0.50	DRLIN1	11	C	P	4126	RIG DOWN RANGING TOOLS
	23:30 - 0:00	0.50	DRLIN1	06	A	P	4126	PJSM, PICK UP BHA AND SCRIBE SAME
10/19/2017	0:00 - 2:30	2.50	DRLIN1	06	A	P	4126	TRIP IN
	2:30 - 3:00	0.50	DRLIN1	02	B	P	4126	DRILL 8 1/2" PRODUCTION VERTICAL HOLE SECTION FROM 4,126' TO 4,159' WOB - 10-25K RPM - 60 - 70 MOTOR RPM - 175 GPM - 600 ON/OFF PSI - 3,500/ 3,050 PSI DIFF - 450 PSI HOOKLOAD UP/DOWN/ROT - 95 / 78 / 90 TORQUE 8.5K OFF BOTTOM - 4K MUD WT 9.2 PPG VIS 58
	3:00 - 4:00	1.00	DRLIN1	10	D	P	4159	OBTAIN MWD/GYRO SURVEYS AT 6' INTERVALS FROM 4135' TO 4159'
	4:00 - 4:30	0.50	DRLIN1	02	B	P	4159	DRILL 8 1/2" PRODUCTION VERTICAL HOLE SECTION FROM 4,159' TO 4,222'
	4:30 - 4:45	0.25	DRLIN1	07	A	P	4222	SERVICE RIG
	4:45 - 7:30	2.75	DRLIN1	02	B	P	4222	DRILL 8 1/2" PRODUCTION VERTICAL HOLE SECTION FROM 4,222' TO 4,410' SURVEY EVERY 30' WOB - 10-25K RPM - 60 - 70 MOTOR RPM - 175 GPM - 600 ON/OFF PSI - 3,500/ 3,050 PSI DIFF - 450 PSI HOOKLOAD UP/DOWN/ROT - 99 / 81 / 89 TORQUE 9K OFF BOTTOM - 4K MUD WT 9.9 PPG VIS 85
	7:30 - 8:15	0.75	DRLIN1	05	C	P	4410	CIRCULATE AROUND SWEEP, FLOW CHECK, PUMP SLUG
	8:15 - 10:45	2.50	DRLIN1	06	B	P	4410	TRIP OUT, LAY DOWN MOTOR, BREAK BIT
	10:45 - 11:30	0.75	DRLIN1	11	C	P	4410	PJSM, RIG UP SCHLUMBERGER

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	11:30 - 15:00	3.50	DRLIN1	11	C	P	4410	RANGING TOOL RUN #2
	15:00 - 15:30	0.50	DRLIN1	11	C	P	4410	RIG DOWN WIRELINE
	15:30 - 15:45	0.25	DRLIN1	07	A	P	4410	RIG SERVICE
	15:45 - 16:30	0.75	DRLIN1	06	B	P	4410	PJSM, PICK UP MOTOR, MAKE UP BIT AND SCRIBE
	16:30 - 18:45	2.25	DRLIN1	06	B	P	4410	TRIP IN
	18:45 - 22:30	3.75	DRLIN1	02	B	P	4410	DRILL 8 1/2" PRODUCTION VERTICAL HOLE SECTION FROM 4,410' TO 4,695' SURVEY EVERY 30'
								WOB - 10-25K RPM - 60 - 70 MOTOR RPM - 175 GPM - 600 ON/OFF PSI - 3,500/ 3,050 PSI DIFF - 450 PSI HOOKLOAD UP/DOWN/ROT - 99 / 81 / 89 TORQUE 9K OFF BOTTOM - 4K MUD WT 10.0 PPG VIS 66
	22:30 - 23:15	0.75	DRLIN1	05	C	P	4695	CIRCULATE BOTTOMS UP, FLOW CHECK, PUMP SLUG
	23:15 - 0:00	0.75	DRLIN1	06	B	P	4695	TRIP OUT FOR RANGE RUN #3
10/20/2017	0:00 - 2:15	2.25	DRLIN1	06	B	P	4695	TRIP OUT
	2:15 - 2:30	0.25	DRLIN1	06	B	P	4695	CLEAN OFF FLOOR
	2:30 - 3:15	0.75	DRLIN1	11	C	P	4695	PJSM, RIG UP SCHLUMBERGER
	3:15 - 5:45	2.50	DRLIN1	11	C	P	4695	RUN RANGE RUN #3
	5:45 - 6:15	0.50	DRLIN1	11	C	P	4695	RIG DOWN WIRELINE
	6:15 - 6:30	0.25	DRLIN1	07	A	P	4695	RIG SERVICE , BOP DRILL HELD
	6:30 - 7:15	0.75	DRLIN1	06	B	P	4695	PJSM, PICK UP MOTOR, MAKE UP BIT AND SCRIBE
	7:15 - 9:30	2.25	DRLIN1	06	B	P	4695	TRIP IN
	9:30 - 12:30	3.00	DRLIN1	02	B	P	4695	DRILL 8 1/2" PRODUCTION VERTICAL HOLE SECTION FROM 4,695' TO 4,980' SURVEY EVERY 30'
								WOB - 10-25K RPM - 60 - 70 MOTOR RPM - 175 GPM - 600 ON/OFF PSI - 3,500/ 3,050 PSI DIFF - 450 PSI HOOKLOAD UP/DOWN/ROT - 100 / 85 / 92 TORQUE 9K OFF BOTTOM - 4K MUD WT 10.0 PPG VIS 66
	12:30 - 13:45	1.25	DRLIN1	05	C	P	4980	CIRCULATE, FLOW CHECK, PUMP SLUG
	13:45 - 16:15	2.50	DRLIN1	06	B	P	4980	TRIP OUT
	16:15 - 17:00	0.75	DRLIN1	11	C	P	4980	PJSM, RIG UP SCHLUMBERGER
	17:00 - 20:30	3.50	DRLIN1	11	C	P	4980	RUN RANGE RUN #4
	20:30 - 21:00	0.50	DRLIN1	06	B	P	4980	PICK UP MOTOR, MAKE UP BIT AND SCRIBE
	21:00 - 0:00	3.00	DRLIN1	06	B	P	4980	TRIP IN

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10/21/2017	0:00 - 4:00	4.00	DRLIN1	02	B	P	4980	DRILL 8 1/2" PRODUCTION VERTICAL HOLE SECTION FROM 4,980' TO 5,265' SURVEY EVERY 30' WOB - 10-25K RPM - 60 - 70 MOTOR RPM - 175 GPM - 600 ON/OFF PSI - 3,500/ 3,050 PSI DIFF - 450 PSI HOOKLOAD UP/DOWN/ROT - 100 / 85 / 92 TORQUE 9K OFF BOTTOM - 4K MUD WT 10.0 PPG VIS 66
	4:00 - 5:00	1.00	DRLIN1	05	C	P	5265	CIRCULATE 2X BOTTOMS UP, FLOW CHECK, PUMP DRY JOB
	5:00 - 8:15	3.25	DRLIN1	06	B	P	5265	TRIP OUT, RACK BACK BHA
	8:15 - 9:00	0.75	DRLIN1	11	C	P	5265	PJSM, RIG UP SCHLUMBERGER
	9:00 - 13:00	4.00	DRLIN1	11	C	P	5265	RUN RANGING RUN #5
	13:00 - 14:00	1.00	DRLIN1	06	B	P	5265	PICK UP MOTOR, MAKE UP BIT AND SCRIBE
	14:00 - 16:30	2.50	DRLIN1	06	B	P	5265	TRIP IN HOLE TO 5265'
	16:30 - 22:00	5.50	DRLIN1	02	C	P	5265	DRILL 8 1/2" PRODUCTION VERTICAL HOLE SECTION FROM 5,265' TO 5,647' SURVEY EVERY 30' WOB - 10-25K RPM - 60 - 70 MOTOR RPM - 175 GPM - 600 ON/OFF PSI - 3,500/ 3,050 PSI DIFF - 450 PSI HOOKLOAD UP/DOWN/ROT - 100 / 85 / 92 TORQUE 9K OFF BOTTOM - 4K MUD WT 10.0 PPG VIS 66
	22:00 - 22:45	0.75	DRLIN1	05	C	P	5647	PUMP SWEEP, CIRCULATE 2 BOTTOMS UP, FLOW CHECK, PUMP SLUG
	22:45 - 0:00	1.25	DRLIN1	06	B	P	5647	TRIP OUT
10/22/2017	0:00 - 2:00	2.00	DRLIN1	06	B	P	5647	TRIP OUT, BREAK AND LAY DOWN BIT AND MOTOR
	2:00 - 2:30	0.50	DRLIN1	11	C	P	5647	PJSM, BOP DRILL HELD WITH RIG CREW AND WIRELINE HANDS, RIG UP SCHLUMBERGER WIRELINE
	2:30 - 7:00	4.50	DRLIN1	11	C	P	5647	RUN RANGING RUN #6
	7:00 - 8:00	1.00	DRLIN1	06	B	P	5647	PJSM, PICK UP MOTOR, MAKE UP BIT, SCRIBE
	8:00 - 9:00	1.00	DRLIN1	06	B	P	5647	TRIP IN TO 2,126'
	9:00 - 9:45	0.75	DRLIN1	09	A	P	5647	CUT AND SLIP DRILLING LINE
	9:45 - 11:00	1.25	DRLIN1	06	B	P	5647	TRIP IN
	11:00 - 11:30	0.50	DRLIN1	03	D	P	5647	FILL PIPE, WASH 95' TO BOTTOM, GET SPR'S

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	11:30 - 11:45	0.25	DRLIN1	02	B	P	5647	DRILL 8 1/2" PRODUCTION VERTICAL HOLE SECTION FROM 5,647' TO 5,714' SURVEY EVERY 30' WOB - 10-28K RPM - 60 - 70 MOTOR RPM - 175 GPM - 600 ON/OFF PSI - 4,000/ 3,500 PSI DIFF - 450 PSI HOOKLOAD UP/DOWN/ROT - 100 / 85 / 92 TORQUE 9K OFF BOTTOM - 4K MUD WT 10.0 PPG VIS 66
	11:45 - 14:00	2.25	DRLIN1	22	L	Z	5714	CHANGE OUT MWD SURFACE EQUIPMENT, TROUBLESHOOT MWD
	14:00 - 14:15	0.25	DRLIN1	05	J	Z	5714	FLOW CHECK, PUMP SLUG
	14:15 - 16:45	2.50	DRLIN1	06	H	Z	5714	TRIP OUT TO CHANGE OUT MWD
	16:45 - 18:15	1.50	DRLIN1	06	H	Z	5714	LAY DOWN PONY COLLAR, CHANGE OUT MWD TOOLS, CHECK BIT, RESCRIBE, PICK UP PONY COLLAR
	18:15 - 21:00	2.75	DRLIN1	06	H	Z	5714	TRIP IN
	21:00 - 21:30	0.50	DRLIN1	03	D	Z	5714	FILL PIPE, WASH 68' TO BOTTOM
	21:30 - 0:00	2.50	DRLIN1	02	B	P	5714	DRILL 8 1/2" PRODUCTION VERTICAL HOLE SECTION FROM 5,713' TO 5,932' SURVEY EVERY 30' WOB - 10-28K RPM - 60 - 70 MOTOR RPM - 175 GPM - 600 ON/OFF PSI - 4,600/ 4,200 PSI DIFF - 450 PSI HOOKLOAD UP/DOWN/ROT - 100 / 85 / 92 TORQUE 9K OFF BOTTOM - 4K MUD WT 10.1 PPG VIS 70
10/23/2017	0:00 - 1:00	1.00	DRLIN1	02	B	P	5932	DRILL 8 1/2" PRODUCTION VERTICAL HOLE SECTION FROM 5,932' TO 6,030' SURVEY EVERY 30' WOB - 10-28K RPM - 60 - 70 MOTOR RPM - 175 GPM - 600 ON/OFF PSI - 4,900/ 4,400 PSI DIFF - 450 PSI HOOKLOAD UP/DOWN/ROT - 100 / 85 / 92 TORQUE 9K OFF BOTTOM - 4K MUD WT 10.1 PPG VIS 70
	1:00 - 2:00	1.00	DRLIN1	05	C	P	6030	CIRCULATE, FLOW CHECK, PUMP SLUG
	2:00 - 5:00	3.00	DRLIN1	06	B	P	6030	TRIP OUT, BREAK BIT, LAY DOWN MOTOR
	5:00 - 5:30	0.50	DRLIN1	11	C	P	6030	PJSM, RIG UP SCHLUMBERGER WIRELINE, HELD BOP DRILL
	5:30 - 11:15	5.75	DRLIN1	11	C	P	6030	RUN RANGING RUN #7
	11:15 - 12:00	0.75	DRLIN1	06	A	P	6030	MAKE UP DRILLING BHA SCRIBE MOTOR
	12:00 - 15:00	3.00	DRLIN1	06	A	P	6030	TRIP IN HOLE TO 6030'

US ROCKIES REGION
Operation Summary Report

Well: MEGUIRE #2

Spud date: 10/15/2017

Project: COLORADO-WELD-NAD83-UTM13

Site: MEGUIRE 5-21HZ PAD

Rig name no.: PRECISION 461/461

Event: DRILLING

Start date: 10/1/2017

End date: 11/5/2017

Active datum: RKB @4,916.00usft (above Mean Sea Level)

UWI: SW/NW/0/2/N/65/W/21/0/0/6/PM/0/0/0/0/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	15:00 - 18:45	3.75	DRLIN1	02	C	P	6030	DRILL 8 1/2" PRODUCTION VERTICAL HOLE SECTION FROM 6030' TO 6315' SURVEY EVERY 30' WOB - 15-35K RPM - 55-65 MOTOR RPM - 175 GPM - 600 ON/OFF PSI - 5,000/ 4,500 PSI DIFF - 450 PSI HOOKLOAD UP/DOWN/ROT - 125 / 115 / 115 TORQUE 9.5K OFF BOTTOM - 4.5K MUD WT 10.1 PPG VIS 73
	18:45 - 19:45	1.00	DRLIN1	05	C	P	6315	CIRCULATE 2 BOTTOMS UP, CHECK FLOW, PUMP SLUG
	19:45 - 23:15	3.50	DRLIN1	06	B	P	6315	TRIP OUT, BREAK BIT, LAY DOWN MOTOR
	23:15 - 23:45	0.50	DRLIN1	11	C	P	6315	PJSM, RIG UP SCHLUMBERGER WIRELINE
	23:45 - 0:00	0.25	DRLIN1	11	C	P	6315	RUN RANGING RUN #8
10/24/2017	0:00 - 3:45	3.75	DRLIN1	11	C	P	6315	RUN RANGE RUN #8
	3:45 - 4:00	0.25	DRLIN1	07	A	P	6315	RIG SERVICE
	4:00 - 4:45	0.75	DRLIN1	06	B	P	6315	PICK UP MOTOR, MAKE UP BIT, SCRIBE
	4:45 - 7:30	2.75	DRLIN1	06	B	P	6315	TRIP IN
	7:30 - 8:00	0.50	DRLIN1	03	D	P	6315	FILL PIPE, WASH TO BOTTOM
	8:00 - 9:15	1.25	DRLIN1	02	B	P	6315	DRILL 8 1/2" PRODUCTION VERTICAL HOLE SECTION FROM 6,315' TO 6,410' SURVEY EVERY 30' WOB - 15-35K RPM - 55-65 MOTOR RPM - 175 GPM - 600 ON/OFF PSI - 5,000/ 4,500 PSI DIFF - 450 PSI HOOKLOAD UP/DOWN/ROT - 125 / 115 / 115 TORQUE 9.5K OFF BOTTOM - 4.5K MUD WT 10.1 PPG VIS 71
	9:15 - 10:45	1.50	DRLIN1	05	C	P	6410	CIRCULATE 2 BOTTOMS UP, FLOW CHECK, PUMP SLUG
	10:45 - 13:00	2.25	DRLIN1	06	B	P	6410	TRIP OUT
	13:00 - 14:00	1.00	DRLIN1	06	B	P	6410	LAY DOWN DRILLING BHA, MAKE UP SURVY BHA
	14:00 - 14:15	0.25	DRLIN1	07	A	P	6410	RIG SERVICE
	14:15 - 16:30	2.25	DRLIN1	06	B	P	6410	TRIP IN
	16:30 - 17:00	0.50	DRLIN1	03	D	P	6410	FILL PIPE, WASH TO BOTTOM
	17:00 - 17:45	0.75	DRLIN1	10	C	P	6410	TAKE 4 SURVEYS FROM 6,377' TO 6,409'
	17:45 - 18:15	0.50	DRLIN1	05	C	P	6410	FLOW CHECK, PUMP SLUG
	18:15 - 20:30	2.25	DRLIN1	06	B	P	6410	TRIP OUT FOR RANGE RUN #9
	20:30 - 21:00	0.50	DRLIN1	11	C	P	6410	PJSM, RIG UP SCHLUMBERGER WIRELINE, BOP DRILL HELD
	21:00 - 0:00	3.00	DRLIN1	11	C	P	6410	RUN RANGE RUN #9
10/25/2017	0:00 - 1:15	1.25	DRLIN1	11	C	P	6410	RANGE RUN #9
	1:15 - 1:45	0.50	DRLIN1	06	B	P	6410	MAKE UP DRILLING BHA, SCRIBE
	1:45 - 5:00	3.25	DRLIN1	05	B	P	6410	TRIP IN
	5:00 - 5:15	0.25	DRLIN1	03	D	P	6410	FILL PIPE, WASH 95' TO BOTTOM

US ROCKIES REGION
Operation Summary Report

Well: MEGUIRE #2		Spud date: 10/15/2017	
Project: COLORADO-WELD-NAD83-UTM13		Site: MEGUIRE 5-21HZ PAD	Rig name no.: PRECISION 461/461
Event: DRILLING		Start date: 10/1/2017	End date: 11/5/2017
Active datum: RKB @4,916.00usft (above Mean Sea Level)		UWI: SW/NW/0/2/N/65/W/21/0/0/6/PM/0/0/0/0/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	5:15 - 6:00	0.75	DRLIN1	02	B	P	6410	DRILL 8 1/2" PRODUCTION VERTICAL HOLE SECTION FROM 6,410' TO 6,455' SURVEY EVERY 30' WOB - 15-35K RPM - 55-65 MOTOR RPM - 175 GPM - 600 ON/OFF PSI - 5,150/ 4,650 PSI DIFF - 450 PSI HOOKLOAD UP/DOWN/ROT - 130 / 105 / 110 TORQUE 10K OFF BOTTOM - 4.5K MUD WT 10.1 PPG VIS 72
	6:00 - 7:15	1.25	DRLIN1	05	C	P	6455	CIRCULATE 2 BOTTOMS UP, FLOW CHECK, PUMP SLUG
	7:15 - 10:15	3.00	DRLIN1	06	B	P	6455	TRIP OUT
	10:15 - 11:30	1.25	DRLIN1	06	B	P	6455	LAY DOWN DRILLING BHA, MAKE UP SURVY BHA
	11:30 - 11:45	0.25	DRLIN1	07	A	P	6455	RIG SERVICE
	11:45 - 14:45	3.00	DRLIN1	06	B	P	6455	TRIP IN
	14:45 - 15:00	0.25	DRLIN1	03	D	P	6455	FILL PIPE, WASH TO BOTTOM
	15:00 - 16:00	1.00	DRLIN1	10	C	P	6455	TAKE 4 SURVEYS FROM 6,415' TO 6,447'
	16:00 - 16:15	0.25	DRLIN1	05	C	P	6455	FLOW CHECK, PUMP SLUG
	16:15 - 19:30	3.25	DRLIN1	06	B	P	6455	TRIP OUT FOR RANGE RUN #10
	19:30 - 19:45	0.25	DRLIN1	11	C	P	6455	PJSM, RIG UP SCHLUMBERGER WIRELINE, BOP DRILL HELD
	19:45 - 23:30	3.75	DRLIN1	11	C	P	6455	RUN RANGE RUN #10
	23:30 - 0:00	0.50	DRLIN1	06	B	P	6455	MAKE UP DRILLING BHA
10/26/2017	0:00 - 3:00	3.00	DRLIN1	02	B	P	6455	TRIP IN
	3:00 - 3:15	0.25	DRLIN1	03	D	P	6455	FILL PIPE, WASH TO BOTTOM
	3:15 - 3:45	0.50	DRLIN1	02	B	P	6455	DRILL 8 1/2" PRODUCTION VERTICAL HOLE SECTION FROM 6,455' TO 6,490' SURVEY EVERY 30' WOB - 15-35K RPM - 55-65 MOTOR RPM - 175 GPM - 600 ON/OFF PSI - 5,150/ 4,650 PSI DIFF - 450 PSI HOOKLOAD UP/DOWN/ROT - 130 / 105 / 110 TORQUE 10K OFF BOTTOM - 4.5K MUD WT 10.1 PPG VIS 72
	3:45 - 4:45	1.00	DRLIN1	05	C	P	6490	CIRCULATE, FLOW CHECK, PUMP SLUG
	4:45 - 8:45	4.00	DRLIN1	06	B	P	6490	TRIP OUT, LAY DOWN MOTOR
	8:45 - 9:00	0.25	DRLIN1	06	A	P	6490	MAKE UP SURVEY BHA
	9:00 - 9:30	0.50	DRLIN1	06	B	P	6490	TRIP IN HOLE TO 1750
	9:30 - 10:30	1.00	DRLIN1	09	A	P	6490	SLIP AND CUT DRILLING LINE, SERVICE TOP DRIVE
	10:30 - 13:00	2.50	DRLIN1	06	B	P	6490	TRIP IN HOLE TO 6490'
	13:00 - 14:00	1.00	DRLIN1	05	A	P	6490	TAKE SURVEYS 6482, 6472, 6462, 6455
	14:00 - 14:30	0.50	DRLIN1	05	A	P	6490	FLOW CHECK, PUMP DRY JOB
	14:30 - 17:15	2.75	DRLIN1	06	B	P	6490	TRIP OUT OF HOLE, RACK BACK BHA
	17:15 - 17:45	0.50	DRLIN1	11	C	P	6490	PJSM, RIG UP SCHLUMBERGER WIRELINE
	17:45 - 22:00	4.25	DRLIN1	11	C	P	6490	RUN RANGE RUN #11
	22:00 - 22:30	0.50	DRLIN1	06	B	P	6490	MAKE UP DRILLING BHA, SCRIBE

US ROCKIES REGION
Operation Summary Report

Well: MEGUIRE #2		Spud date: 10/15/2017	
Project: COLORADO-WELD-NAD83-UTM13		Site: MEGUIRE 5-21HZ PAD	Rig name no.: PRECISION 461/461
Event: DRILLING		Start date: 10/11/2017	End date: 11/5/2017
Active datum: RKB @4,916.00usft (above Mean Sea Level)		UWI: SW/NW/0/2/N/65/W/21/0/0/6/PM/0/0/0/0/0/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
10/27/2017	22:30 - 0:00	1.50	DRLIN1	06	B	P	6490	TRIP IN
	0:00 - 2:15	2.25	DRLIN1	06	B	P	6490	TRIP IN
	2:15 - 2:45	0.50	DRLIN1	03	D	P	6490	FILL PIPE, WASH 60' TO BOTTOM
	2:45 - 3:15	0.50	DRLIN1	02	B	P	6490	DRILL 8 1/2" PRODUCTION VERTICAL HOLE SECTION FROM 6,490' TO 6,520' WOB - 15-35K RPM - 55-65 MOTOR RPM - 175 GPM - 600 ON/OFF PSI - 5,150/ 4,650 PSI DIFF - 450 PSI HOOKLOAD UP/DOWN/ROT - 130 / 105 / 110 TORQUE 10K OFF BOTTOM - 4.5K MUD WT 10.0 PPG VIS 781
	3:15 - 4:15	1.00	CSGIN1	05	C	P	6520	CIRCULATE , FLOW CHECK, PUMP SLUG
	4:15 - 8:30	4.25	CSGIN1	06	B	P	6520	TRIP OUT FOR SURVEY BHA, LAY DOWN MOTOR, AND BIT
	8:30 - 11:30	3.00	CSGIN1	06	B	P	6520	MAKE UP SURVEY BHA TRIP IN HOLE TO 6520'
	11:30 - 12:30	1.00	CSGIN1	10	C	P	6520	TAKE SURVEY AT 6512', 6502', 6490', 6482'
	12:30 - 14:00	1.50	CSGIN1	05	A	P	6520	CIRCULATE SWEEPS AROUND
	14:00 - 14:30	0.50	CSGIN1	05	A	P	6520	FLOW CHECK PUMP DRY JOB
	14:30 - 18:00	3.50	CSGIN1	06	A	P	6520	TRIP OUT OF HOLE LAY DOWN BHA
	18:00 - 18:30	0.50	CSGIN1	11	C	P	6520	PJSM, RIG UP SCHLUMBERGER WIRELINE
	18:30 - 22:00	3.50	CSGIN1	11	C	P	6520	RUN RANGE RUN #12
	22:00 - 22:30	0.50	CSGIN1	14	B	P	6520	PULL WEAR BUSHING
	22:30 - 23:00	0.50	CSGIN1	12	A	P	6520	PJSM, RIG UP NOBLE CASERS
	23:00 - 0:00	1.00	CSGIN1	12	C	P	6520	RUN 7", 26#, HCP-110, LTC CASING
10/28/2017	0:00 - 8:00	8.00	CSGIN1	12	C	P	6520	RUN 7" 26# P-110 LTC CASING TO 6515' JOB SUMMARY: TOP FILLING ON EVERY JT. SHOE DEPTH@6515' FLOAT COLLAR TOP@ 6,470' RAN 107 SCEPTOR SUPPLY, 7"x 8.25" OMD CENTRALIZERS, ONE ON EVERY JT TO 250' INSIDE SURFACE CASING. LAND AND CONFIRM THAT HANGER IS PROPERLY SEATED IN BOWL.
	8:00 - 8:30	0.50	CSGIN1	12	A	P	6520	RIG DOWN NOBLE CASERS
	8:30 - 10:30	2.00	CSGIN1	05	A	P	6520	CIRCULATE , PRE JOB SAFETY MEETING WITH RIG CREW AND SCHLUMBERGER CEMENTERS
	10:30 - 14:00	3.50	CSGIN1	12	E	P	6520	CEMENT 7" INTERMEDIATE CASING AT 6,515". PRESSURE TEST LINES TO 4600 PSI. PUMP 45.7 BBLS OF 10.9# MUDPUSH II SPACER. DROP BOTTOM PLUG AND PUMP 128.8 BBLS (396 SKS) OF 12# - 1.83 CUFT/SK - 7.47 GAL/SK - LEAD CEMENT FOLLOWED BY 18.5 BBLS (68 SKS) OF 15.8# - 1.58 CUFT/SK - 6.37 GAL/SK - TAIL. DROP TOP PLUG AND DISPLACE WITH 247 BBLS. OF 9.3# WBM BUMP PLUG AND PRESSURE TEST CASING TO 3,000 FOR 30 MINUTES. BLEED OFF PRESSURE AND CHECK FLOATS.
	14:00 - 14:30	0.50	CSGIN1	12	B	P	6520	RIG DOWN CEMENTERS

US ROCKIES REGION
Operation Summary Report

Well: MEGUIRE #2

Spud date: 10/15/2017

Project: COLORADO-WELD-NAD83-UTM13

Site: MEGUIRE 5-21HZ PAD

Rig name no.: PRECISION 461/461

Event: DRILLING

Start date: 10/1/2017

End date: 11/5/2017

Active datum: RKB @4,916.00usft (above Mean Sea Level)

UWI: SW/NW/0/2/N/65/W/21/0/0/6/PM/0/0/0/0/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	14:30 - 15:45	1.25	CSGIN1	24	A	P	6520	INSTALL PACKOFF AND TEST TO 5,000 PSI FOR 15 MINS., LAY DOWN LANDING JOINT
	15:45 - 22:15	6.50	CSGIN1	15	A	P	6520	PRE JOB SAFETY MEETING WITH RIG CREW AND HIGH TECH TESTERS. R/U TEST JOINT. TEST SUPER CHOKE TO 1,000 FOR 2 MINUTES. TEST KILL SIDE, CHOKE LINES, HCR, ALL FLOOR VALVES, UPPER AND LOWER PIPE RAMS, BLIND RAMS, AND ALL TOPDRIVE VALVES TO 250 / 5000 FOR 10 MIN. TEST ANNULAR PREVENTER TO 250 / 2500 PSI FOR 10 MIN. TEST MUD LINES TO 5,000 PSI.
	22:15 - 0:00	1.75	CSGIN1	08	B	P	6520	CHANGE OUT SAVER SUB
10/29/2017	0:00 - 0:30	0.50	CSGIN1	23		P	6520	CLEAN AND PREP RIG FLOOR TO MAKE UP BHA
	0:30 - 1:15	0.75	DRLPRV	06	A	P	6520	MAKE UP 6.125" BIT, DIRECTIONAL BHA AND SCRIBE
	1:15 - 4:15	3.00	DRLPRV	06	A	P	6520	TRIP IN
	4:15 - 9:15	5.00	DRLPRV	05	A	P	6520	CIRCULATE AND CONDITION MUD, RAISE MUD WT TO 12.5 PPG
	9:15 - 10:30	1.25	DRLPRV	02	B	P	6520	DRILL FLOAT, CEMENT AND SHOE
	10:30 - 12:30	2.00	DRLPRV	05	A	P	6520	CIRCULATE AND CONDITION MUD, PUMPS WERE TOO ERRATIC. EVEN OUT AND AIR OUT MUD
	12:30 - 13:30	1.00	DRLPRV	02	B	P	6520	DRILL 6 1/8" PRODUCTION VERTICAL HOLE SECTION FROM 6,520' TO 6,530' WOB - 15-35K RPM - 20 MOTOR RPM - 76 GPM - 290 ON/OFF PSI - 2,020/ 1,700 PSI DIFF - 400 PSI HOOKLOAD UP/DOWN/ROT - 142 / 85 / 102 TORQUE 5.5K OFF BOTTOM - 3.8K MUD WT 12.2 PPG VIS 43
	13:30 - 14:00	0.50	DRLPRV	05	A	P	6530	CIRCULATE FOR FIT
	14:00 - 14:45	0.75	DRLPRV	16	B	P	6530	PERFORM FIT TO 17.5# EMW, 1,667 SURFACE PRESSURE, 12.2# MUD WT, 6,062 TVD
	14:45 - 15:15	0.50	DRLPRV	02	B	P	6530	DRILL 6 1/8" PRODUCTION VERTICAL HOLE SECTION FROM 6,530' TO 6,540' WOB - 15-35K RPM - 20 MOTOR RPM - 76 GPM - 290 ON/OFF PSI - 2,020/ 1,700 PSI DIFF - 400 PSI HOOKLOAD UP/DOWN/ROT - 142 / 85 / 102 TORQUE 5.5K OFF BOTTOM - 3.8K MUD WT 12.2 PPG VIS 43
	15:15 - 16:00	0.75	DRLPRV	05	C	P	6540	CIRCULATE, FLOW CHECK, PUMP SLUG
	16:00 - 18:45	2.75	DRLPRV	06	B	P	6540	TRIP OUT
	18:45 - 19:45	1.00	DRLPRV	06	B	P	6540	BREAK BIT, LAY DOWN MOTOR, PICK UP BIT, BIT SUB
	19:45 - 23:00	3.25	DRLPRV	06	B	P	6540	TRIP IN WITH SURVEY BHA
	23:00 - 23:45	0.75	DRLPRV	10	C	P	6540	SURVEYS AT 6,529', 6,520', 6,512'
	23:45 - 0:00	0.25	DRLPRV	05	C	P	6540	CIRCULATE AND CONDITION HOLE

US ROCKIES REGION
Operation Summary Report

Well: MEGUIRE #2

Spud date: 10/15/2017

Project: COLORADO-WELD-NAD83-UTM13

Site: MEGUIRE 5-21HZ PAD

Rig name no.: PRECISION 461/461

Event: DRILLING

Start date: 10/11/2017

End date: 11/5/2017

Active datum: RKB @4,916.00usft (above Mean Sea Level)

UWI: SW/NW/0/2/N/65/W/21/0/0/6/PM/0/0/0/0/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
10/30/2017	0:00 - 1:00	1.00	DRLPRV	05	C	P	6540	CIRCULATE, FLOW CHECK, PUMP SLUG
	1:00 - 3:30	2.50	DRLPRV	06	B	P	6540	TRIP OUT
	3:30 - 4:00	0.50	DRLPRV	11	C	P	6540	PJSM, RIG UP SCHLUMBERGER WIRELINE
	4:00 - 6:45	2.75	DRLPRV	11	C	P	6540	RUN RANGE RUN #13
	6:45 - 7:45	1.00	DRLPRV	06	B	P	6540	MAKE UP DRILLING BHA, SCRIBE
	7:45 - 10:45	3.00	DRLPRV	06	B	P	6540	TRIP IN
	10:45 - 11:15	0.50	DRLPRV	03	D	P	6540	FILL PIPE, WASH TO BOTTOM
	11:15 - 12:45	1.50	DRLPRV	02	C	P	6540	DRILL 6 1/8" PRODUCTION VERTICAL HOLE SECTION FROM 6,540' TO 6,555' WOB - 15-35K RPM - 20 MOTOR RPM - 76 GPM - 290 ON/OFF PSI - 2,020/ 1,700 PSI DIFF - 400 PSI HOOKLOAD UP/DOWN/ROT - 146 / 88 / 94 TORQUE 5.5K OFF BOTTOM - 3.8K MUD WT 12.8 PPG VIS 46
	12:45 - 14:30	1.75	DRLPRV	05	C	P	6555	PUMP SWEEP, CIRCULATE, FLOW CHECK, PUMP SLUG
	14:30 - 16:45	2.25	DRLPRV	06	B	P	6555	TRIP OUT
	16:45 - 17:45	1.00	DRLPRV	06	B	P	6555	LAY DOWN MOTOR BIT, PICK UP BIT, BIT SUB
	17:45 - 18:00	0.25	DRLPRV	07	A	P	6555	RIG SERVICE
	18:00 - 21:00	3.00	DRLPRV	06	B	P	6555	TRIP IN WITH SURVEY BHA
	21:00 - 21:30	0.50	DRLPRV	03	D	P	6555	FILL PIPE, WASH TO BOTTOM
21:30 - 22:00	0.50	DRLPRV	10	C	P	6555	SURVEYS @ 6,544', 6,529'	
22:00 - 0:00	2.00	DRLPRV	05	B	P	6555	CIRCULATE AND CONDITION MUD, RAISE MUD WT. FROM 13.1 PPG TO 14.0 PPG	
10/31/2017	0:00 - 3:00	3.00	DRLPRV	05	B	P	6555	CIRCULATE AND CONDITION MUD, RAISE MUD WT. FROM 13.1 PPG TO 14.0 PPG
	3:00 - 3:30	0.50	DRLPRV	05	J	P	6555	GET SPR'S, FLOW CHECK, PUMP SLUG
	3:30 - 6:15	2.75	DRLPRV	06	B	P	6555	TRIP OUT FOR RANGE RUN #14, CLEAN FLOOR
	6:15 - 6:45	0.50	DRLPRV	11	C	P	6555	PJSM, RIG UP SCHLUMBERGER WIRELINE
	6:45 - 9:15	2.50	DRLPRV	11	C	P	6555	RANGE RUN #14
	9:15 - 10:30	1.25	DRLPRV	06	B	P	6555	PJSM, MAKE UP DRILL/SOFT TAG BHA
	10:30 - 12:00	1.50	DRLPRV	06	B	P	6555	TRIP IN TO 3,267'
	12:00 - 12:30	0.50	DRLPRV	09	A	P	6555	CUT AND SLIP DRILLING LINE
	12:30 - 14:00	1.50	DRLPRV	06	B	P	6555	TRIP IN
	14:00 - 14:15	0.25	DRLPRV	07	A	P	6555	RIG SERVICE
	14:15 - 14:45	0.50	DRLPRV	03	D	P	6555	FILL PIPE, WASH TO BOTTOM
	14:45 - 16:30	1.75	DRLPRV	02	B	P	6555	ROTATE DRILL FROM 6,555' TO 6,559'. SLIDE FROM 6,559' TO 6,566' LOSS OF FLOW AFTER DIFFERENTIAL OF 130-180 PSI, MOTOR NEVER STALLED.
	16:30 - 18:00	1.50	DRLPRV	05	B	P	6566	REGAINED PARTIAL (80-90%) CIRCULATION AFTER PUMPING AWAY 158 BBLs. LOST 238 BBLs TO ADAMSON 28N.
18:00 - 18:30	0.50	DRLPRV	05	J	P	6566	LINE UP HOLE ON TRIP TANK, CIRCULATE ACROSS TOP AND MONITOR FOR LOSS/GAIN. LOST 6.1 BBLs IN 30 MINS.	
18:30 - 18:45	0.25	DRLPRV	05	J	P	6566	LINE UP HOLE ON FLOW LINE AND FLOW CHECK, NO FLOW	

US ROCKIES REGION
Operation Summary Report

Well: MEGUIRE #2		Spud date: 10/15/2017	
Project: COLORADO-WELD-NAD83-UTM13		Site: MEGUIRE 5-21HZ PAD	Rig name no.: PRECISION 461/461
Event: DRILLING		Start date: 10/1/2017	End date: 11/5/2017
Active datum: RKB @4,916.00usft (above Mean Sea Level)		UWI: SW/NW/0/2/N/65/W/21/0/0/6/PM/0/0/0/0/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	18:45 - 19:45	1.00	DRLPRV	05	C	P	6566	CIRCULATE BOTTOMS UP AT 150 GPM, PUMP SLUG
	19:45 - 23:30	3.75	DRLPRV	06	A	P	6566	TRIP OUT FOR MILL RUN (MAX SPEED 100'/MIN.) CALCULATED FILL 36 BBL, HOLE TOOK 60 BBL
	23:30 - 0:00	0.50	DRLPRV	06	B	P	6566	MAKE UP MILL AND MAGNET AND SCRIBE.
11/1/2017	0:00 - 0:30	0.50	DRLPRV	06	B	P	6566	MAKE UP MILL, MAGNET, SCRIBE
	0:30 - 4:30	4.00	DRLPRV	06	B	P	6566	TRIP IN, (100'/MIN. MAX)
	4:30 - 8:00	3.50	DRLPRV	06	A	P	6566	MILL WINDOW IN ADAMSON 28N-28HZ FROM 6,565' TO 6,570'
	8:00 - 9:30	1.50	DRLPRV	05	C	P	6566	PUMP SWEEP. SLUG PIPE AND FLOW CHECK WELL.
	9:30 - 15:00	5.50	DRLPRV	06	A	P	6566	POH LAYING DOWN ALL BHA IN PREPARATION FOR ABANDONMENT CEMENT PLUGS. CALCULATED HOLE FILL 36 BBLS, ACTUAL HOLE FILL 46 BBLS.
	15:00 - 15:15	0.25	DRLPRV	06	A	P	6566	CLEAN FLOOR AFTER TRIP
	15:15 - 15:30	0.25	DRLPRV	07	A	P	6566	SERVICE RIG
	15:30 - 15:45	0.25	DRLPRV	06	A	P	6566	R/U NOBLE CASING CREW
	15:45 - 16:00	0.25	DRLPRV	06	A	P	6566	P/U MULE SHOE, 2 JOINTS 2 7/8 DP, WINDOW WATERMELON MILL, 2 7/8 DP, XO, 4" DP TO SURFACE.
	16:00 - 21:30	5.50	DRLPRV	06	A	P	6566	TIH WITH 4" DP. F/ 120' TO 6,565'. ROTATE STRING PRIOR TO GOING INTO OPEN HOLE @ 5 TO 45 RPM AND RECORD. GET STRING WTS. 5 RPM--4,100 UP / DOWN===122 / 88 10 RPM--4,100 15 RPM--4,200 20 RPM--4,400 25--RPM 4,400 30 RPM--4,500
	21:30 - 0:00	2.50	DRLPRV	03	D	P	6566	RIH WITH MULE SHOE AND WATERMELON WINDOW MILL TAGGING UP @ 6,566. WORK 1/4 TURNS OF PIPE ROTATION DOWN HOLE IN ATTEMPT TO ENTER WINDOW----TO NO AVAIL. PICK UP AND ROTATE DOWN AT 5 RPM AND ENTER WINDOW AREA. WORK MILL FROM 6,565 TO 6,645 AT 5 RPMS. STAGE ROTARY UP IN 5 RPM INCEMENTS UNTIL WINDOW AREA IS WORKED WITH 40 RPM. THE MAXIMUM TORQUE WHILE WORKING WINDOW WAS 7,000 WITH AN AVERAGE OF 6,400. 5K WHILE ROTATING DOWN ONCE INSIDE 5.5. ROTATE MULE SHOE TO 6,675 PUTTING WATERMELON MILL AT 6,606.
11/2/2017	0:00 - 0:30	0.50	DRLPRV	03	D	P	6566	WORK WATERMELON MILL AT 40 RPM THROUGH WINDOW AREA. WINDOW CLEAN. ROTATE MULE SHOE 6,675. WORK WATERMELON MILL IN WINDOW AT 40 RPM WHILE CIRCULATING HI-VIS. SWEEP WITH BARALIFT FIBER. MINIMAL METAL SEEN BACK WITH SWEEP.
	0:30 - 1:30	1.00	DRLPRV	05	F	P	6566	WORK WATERMELON MILL IN WINDOW AT 40 RPM WHILE CIRCULATING HI-VIS. SWEEP WITH BARALIFT FIBER. MINIMAL METAL SEEN BACK WITH SWEEP. FLOW CHECK WELL. WELL BREATHING. CONFIRM REDUCTION IN FLOW. PUMP DRY JOB.

US ROCKIES REGION
Operation Summary Report

Well: MEGUIRE #2

Spud date: 10/15/2017

Project: COLORADO-WELD-NAD83-UTM13

Site: MEGUIRE 5-21HZ PAD

Rig name no.: PRECISION 461/461

Event: DRILLING

Start date: 10/1/2017

End date: 11/5/2017

Active datum: RKB @4,916.00usft (above Mean Sea Level)

UWI: SW/NW/0/2/N/65/W/21/0/0/6/PM/0/0/0/0/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	1:30 - 5:00	3.50	DRLPRV	06	C	P	6566	POH WITH WATERMELON MILL. BREAK AND LAY OUT MILL AND CROSSOVERS WITH NOBLE CASING CREW.
	5:00 - 12:00	7.00	DRLPRV	06	C	P	6566	PU AND MU WEATHERFORD CEMENT RETAINER AND RIH AT CONTROL TRIP SPEEDS, SET RETAINER @ 6,630'.
	12:00 - 16:15	4.25	DRLPRV	06	C	P	6566	POH TO PICK UP RETAINER CEMENT STINGER. LAY DOWN RETAINER RUNNING TOOL.
	16:15 - 0:00	7.75	DRLPRV	06	C	P	6566	PICK UP CEMENT STINGER AND 813 FT OF 2 7/8 PH6 TUBING. RIH. MUD OUT OF BALANCE. PIPE FLOWING OVER WHILE RIH. SPOT DRY JOB IN PIPE. SCREW INTO EACH STAND TO PREVENT FLOW OVER WHILE LOWERING PIPE.
11/3/2017	0:00 - 4:00	4.00	DRLPRV	06	C	P	6566	RIH TO 6,400 AND GET DRILLING PARAMETERS AND PUMP RATES. RIH ATTEMPTING TO STING INTO RETAINER AND CONFIRM THE ABILITY TO INJECT INTO THE PERFORATIONS BELOW. ABLE TO STING INTO THE RETAINER AND PRESSUE UP INSIDE THE DP BUT UNABLE TO PUMP THROUGH THE RETAINER. INTEGRITY OF THE STINGER SEALS CONFIRMED BY NO FLOW BACK. WORK STINGER IN AND OUT WHILE ATTEMPTING VARIOUS PUMP RATES TO WASH POSSIBLE DEBRIS FROM RETAINER THROAT. THE STINGER SEALS FAILED AND WERE UNABLE TO ESTABLISH CIRCULATION THROUGH RETAINER. CONFER WITH MANAGEMENT ON PROBLEM.
	4:00 - 8:45	4.75	DRLPRV	22	L	X	6566	CIRCULATE AND CONDITION MUD WHILE PUMPING HI-VIS SWEEPS WITH BARALIFT TO CLEAN POSSIBLE DEBRIS FROM RETAINER TOP. SLUG PIPE AND FLOWCHECK WELL.
	8:45 - 12:45	4.00	DRLPRV	22	L	X	6566	TRIP OUT OF THE HOLE TO CHECK CEMENT STINGER FOR PROBLEMS. STINGER NOSE BROKEN BELOW SEALS. NO INTEGRITY OF STINGER SEALS. BROKEN SLIP DEBRIS AND TORN, PALM SIZED, PIECE OF 5.5 CASING RIDING INSIDE CENTRALIZER. CENTRALIZER BLADES BENT BUT ALL INTACT. BREAK DOWN AND LAY DOWN WEATHERFORD CEMENT STINGER.
	12:45 - 18:00	5.25	DRLPRV	22	L	X	6566	PICK UP WEATHERFORD CEMENT RETAINER AND RIH AT 90 FT. PER MINUTE SETTING AT 6,625. STAND ON RETAINER WITH 5K TO CONFIRM SET.
	18:00 - 18:30	0.50	DRLPRV	22	L	X	6566	FLOW CHECK WELL AND SLUG PIPE.
	18:30 - 0:00	5.50	DRLPRV	22	L	X	6566	POH PUMPING A SECOND DRY JOB AFTER PULLING 1000 FT. DUE TO U-TUBING. POH TO 2 7/8 AND RIG UP NOBLE TO BREAK OUT AND RACK BACK 2 7/8. LAY OUT RETAINER RUNNING TOOL.
11/4/2017	0:00 - 3:00	3.00	DRLPRV	22	L	X	6566	PICK UP 2 7/8 MULE SHOE AND 3 MORE JOINTS OF 2 7/8. RIH TO PUMP BALANCE ABANDONMENT PLUGS.
	3:00 - 4:30	1.50	DRLPRV	05	A	P	6566	CIRCULATE AND CONDITON MUD FOR BALANCE PLUG OPERATIONS.
	4:30 - 7:15	2.75	DRLPRV	17	A	P	6566	SPOT # 1 ABANDONMENT PLUG WITH 31 BBLs. OF 15.8 CEMENT, FROM 6,625 TO 5,792.

US ROCKIES REGION
Operation Summary Report

Well: MEGUIRE #2		Spud date: 10/15/2017	
Project: COLORADO-WELD-NAD83-UTM13		Site: MEGUIRE 5-21HZ PAD	Rig name no.: PRECISION 461/461
Event: DRILLING		Start date: 10/1/2017	End date: 11/5/2017
Active datum: RKB @4,916.00usft (above Mean Sea Level)		UWI: SW/NW/0/2/N/65/W/21/0/0/6/PM/0/0/0/0/0/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	7:15 - 7:45	0.50	DRLPRV	17	A	P	6566	POH TO 5,500 GETTING ABOVE CALCULATED TOP OF CEMENT PLUG.
	7:45 - 8:30	0.75	DRLPRV	05	A	P	6566	CBU ABOVE BALANCE PLUG. DROP FOAM BALL TO REMOVE CEMENT RESIDUE FROM DP.
	8:30 - 16:30	8.00	DRLPRV	13	A	P	6566	WAIT ON CEMENT TO GET TO 500 PSI UCA, WHILE SHUT IN AND HOLDING 800 PSI - 900 PSI. TOOK 6 BBLs TO PRESSURE UP AND WE GOT 5 BBLs BACK WHEN WE BLED OFF.
	16:30 - 17:30	1.00	DRLPRV	06	C	P	6566	TIH AND TAG CEMENT TOP WITH 10K @ 5,814. POH TO 5,000 AND PREPARE FOR ABANDONMENT PLUG #2.
	17:30 - 18:30	1.00	DRLPRV	05	A	P	6566	CBU TO GET MUD BALANCED FOR ABANDONMENT PLUG #2.
	18:30 - 19:15	0.75	DRLPRV	17	A	P	6566	PUMP BALANCED PLUG # 2 WITH 27 BBLs. 15.8 CEMENT FROM 5,000 TO 4,300.
	19:15 - 20:00	0.75	DRLPRV	06	C	P	6566	PULL 10 STANDS PLACING MULE SHOE APP. 300 FT. ABOVE CALCULATED TOP OF PLUG #2.
	20:00 - 20:30	0.50	DRLPRV	05	F	P	6566	PLACE FOAM BALL IN DP AND CBU DUMPING RETURNS.
	20:30 - 0:00	3.50	DRLPRV	17	E	P	6566	WAIT FOR CEMENT TO BUILD 500 PSI UCA. SUCK OFF ALL EXCESS FLUIDS IN PITS, READY RIG FOR DERRICK OVER MOVE TO BURGE PAD.
11/5/2017	0:00 - 4:00	4.00	DRLPRV	17	E	P	6566	WAIT FOR CEMENT TO BUILD 500 PSI COMPRESSION STRENGTH.
	4:00 - 4:30	0.50	DRLPRV	17	B	P	6566	RIH SLOWLY LOOKING FOR CEMENT TOP. WORK DOWN THROUGH STRINGERS FROM 4,086 TO 4,110. SET DOWN 10K SEVERAL TIMES at 4,110.
	4:00 - 5:00	1.00	DRLPRV	23		P	6566	DAYLIGHT SAVINGS TIME
	4:30 - 5:00	0.50	DRLPRV	05	G	P	6566	DISPLACE WELL OVER TO FRESH WATER.
	5:00 - 15:00	10.00	DRLPRV	17	B	P	6566	POH 1X1 WITH 4 INCH DP. RIG UP NOBLE CASING CREW AND POH 1X1 WITH 2 7/8 PH6 TUBING. RUN EXCESS DP OUT OF THE DERRICK AND LAY DOWN 1 X 1.
	15:00 - 17:00	2.00	RDMO	01	E	P	6566	NIPPLE DOWN BOPS AND PREPARE RIG FOR DERRICK DOWN PAD MOVE.
	17:00 - 18:00	1.00	RDMO	01	E	P	6566	INSTALL AND TEST NIGHT CAP. RELEASE RIG TO BURGE 26N-2HZ @ 18:00 HRS.