



Daily Activity Report

Well Name: MEDSKER 01-28

API 0500506515	Surface Legal Location NE/NE S28 T5S R65W	Field Name WATTENBERG	License #	State/Province COLORADO	Well Configuration Type HORIZONTAL
Original KB Elevation (ft)	KB-Tubing Head Distance (ft)	Spud Date Production 11/30/1981 00:00	Rig Release Date 12/13/1981 00:00	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB)

Job Category WORKOVER	Primary Job Type RE-ENTRY P&A	Secondary Job Type	Status 1
AFE Number 2100057	Start Date 8/30/2021	End Date 9/27/2021	Total AFE Amount (Cost) 367,500.00

Objective
Plug and abandon well.

Summary

Contractor SWABBCO	Rig Number \ Crew 14	Rig Type Workover
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Rpt #	Start Date	End Date	Summary
1.0	8/30/2021	8/30/2021	MOBILIZE RIG & SUPPORT EQUIPMENT TO LOCATION; FINISH GRADING LOCATION TO MAKE ROOM FOR TANKS; LAY CONTAINMENT & SPOT RIG & EQUIPMENT; STAND RIG & NU 8 5/8" 3K X 11" 5K FLANGED ADAPTER SPOOL W/ DUAL OUTLETS; NU 7" 5K BOP (3.5" PIPES OVER BLINDS); PRESSURE TEST PIPES/BLINDS 250 PSI LOW/5 MIN & 3,000 PSI HIGH/15 MIN - TEST OK; SECURE WELL & SDFN.
2.0	8/31/2021	8/31/2021	PJSM; SPOT PIPE WRANGLER; RACK TALLY DRIFT DRILL COLLARS & PH6 WORKSTRING; MU BHA: 7 7/8" MILL TOOTH CONE BIT & BIT SUB; RIG WITH 3 1/2" 26# SLICK COLLAR - TAG SURFACE PLUG @ 16' - ATTEMPT TO BREAK THRU PLUG - NO SUCCESS; RU POWER SWIVEL; BREAK CIRCULATION (FORWARD) & DRILL F/ 16' T/32"; MU DC #2 & DRILL F/32' T/40" - AFTER 40' SURFACE PLUG GONE - CONTINUE SWIVEL IN W/ DC#3, #4, #5 T/ 156"; NOTE: LOST RETURNS AFTER DRILLING THRU SURFACE PLUG, CIRCULATED DRILL COLLARS IN HOLE W/ NO RETURNS; CHANGE BOP/SWIVEL/HANDLING TOOLS TO 2 7/8"; CONTINUE SWIVEL IN HOLE W/ 2 7/8" 7.9# PH6 P110 WORKSTRING; TAG SHOE PLUG @ 168'; ATTEMPT TO CATCH CIRCULATION FORWARD & REVERSE - CALL TO DISCUSS; OBSERVE WATER AROUND WELLHEAD; PU OFF SHOE PLUG & SWAP BOP BACK TO 3 1/2" IN ORDER TO SECURE WELL FOR NIGHT,
3.0	9/1/2021	9/1/2021	PJSM; MOVE TBG & RACKS; PIPE WRANGLER; RD POWER SWIVEL; LD RIG & MOVE RIG/BELM AWAY FROM WELLBORE; MOB EXCAVATION EQUIPMENT & MATERIALS TO SHORE UP AROUND WELLBORE/PREVIOUS BACKFILL.
4.0	9/2/2021	9/2/2021	PJSM; WAIT ON DIRT WORK AROUND WELLBORE TO BE COMPLETED; SPOT IN RIG/BELM; STAND RIG; SPOT IN PIPE WRANGLER/SWIVEL; RU TONGS; CHECK TBG/CSG PRESSURE 0/0; TOOH LAYING DOWN (5) 3 1/2" DC; STRIP OUT 7 7/8" TRI-CONE BIT; MU ANYTIME TOOLS 7 1/2" (NOMINAL) 32A TENSION PACKER & RIH W/ 2 JTS 2 7/8" PH6 TBG; ATTEMPT TO TEST SURFACE CASING @ 69.5' - NO TEST; MOVE PACKER T/ 52.3' - NO TEST; MOVE PACKER T/38.3' - NO TEST; MOVE PACKER T/ 23' - GOOD 500 PSI TEST; MOVE PACKER BACK DOWNHOLE - TROUBLE SETTING BETWEEN 27' - 38'; MOVE PACKER T/ 28' - GOOD 500 PSI TEST; MOVE PACKER T/ 31' GOOD 500 PSI TEST; HOLES ISOLATED BETWEEN 31' - 38'; MIRU SWABBCO CEMENTERS & PUMP 100 SKS G CEMENT W/ 2% CAL - SAW PRESSURE INCREASE 40 PSI DURING JOB; EXTEND JOB ADDITIONAL 50 SKS; COMPLETE JOB & RELEASE PACKER W/ OUT DISPLACING LINES; TOOH W/ TOOLS & WASH UP ON SURFACE; HOLE STANDING FULL; SECURE WELL & SDFN.
5.0	9/3/2021	9/3/2021	PJSM; RIH W/ 2 7/8" PH6 WORKSTRING - TAG TOC @ 18'; TOOH & MU 7 7/8" TRI CONE STEEL TOOTH/MILLTOOTH BIT & BIT SUB; MU 3.5" SLICK COLLARS & RIH MILLING CEMENT; CEMENT RETURNS ARE GREEN - ATTEMPT TO FIND HARD TAG @ PREVIOUS PACKER DEPTH/SQUEEZE DEPTH 32' - NO TAG - ABLE TO RUN TBG T/ 60' WITHOUT TAG; CALL TO DISCUSS; RIH CIRCULATING COLLARS IN; GOOD RETURNS UNTIL +/- 110' AND WELL WENT ON VAC; CALL TO DISCUSS; CONTINUE RIH T/ TOP OF SHOE PLUG @ +/- 176'; ATTEMPT TO CIRC - NO RETURNS; CALL TO DISCUSS; MOB TENSION PACKER & CEMENTERS; TOOH LAYING DOWN COLLARS; MU ANYTIME TOOLS 32A TENSION PACKER & RIH T/ 164' (+/- 10' ABOVE TOP OF SHOE PLUG); PRESSURE TEST CSG/SHOE PLUG - 400 PSI TEST OK; TOOH LAYING DOWN PACKER; RIH W/ WORKSTRING T/ 176' & HAND DUMP 1.5 SKS SAND; PU & RETAG 5' HIGH; POSITION EOT @ 166'; MIRU SWABBCO CEMENTERS & PUMP 90 SXS 15.8# G W/ FL & 2% CAL UNTIL GOOD CEMENT RETURNS AT TANK; TOOH W/ TBG AND MU CEMENTERS TO CSG VALVE; TOP OFF W/ 2.5 SKS & SI BACKSIDE AND SQUEEZE 17.5 SXS INTO HOLES; WHILE WASHING UP ACROSS CSG HEAD - RETURNS STOPPED; PU JT AND FIND FLUID LEVEL - FLUID LEVEL FELL BACK 25' - 30'; RIH W/ 2 7/8" WORKSTRING T/ 124' & PUMP ADDITIONAL 110 SXS 15.8# G W/ FL & 2% CAL (HAD GOOD RETURNS AT TANK; TOOH LAYING DOWN TBG & WASH UP CEMENTING EQUIPMENT; SECURE WELL & SDFN.
6.0	9/7/2021	9/7/2021	PJSM; RIH W/ WORKSTRING & TAG TOC @ 12'; RU POWER SWIVEL, CHANGE OVER T/ 3 1/2" & PICK UP DRILL COLLAR & 7 7/8" STEEL TOOTH/MILL TOOTH BIT; RIH DRILLING CEMENT - ROP +/- 1'/MIN - GOOD RETURNS FORWARD CIRCULATING @ 2BPM IN/OUT; EOT @ 100' - 110' RETURNS SLOWED TO 1 BPM (STILL FORWARD CIRCULATING @ 2BPM) - CALL TO DISCUSS; DECIDE TO DRILL AHEAD TO TOP OF ORIGINAL SHOE PLUG; CONTINUE RIH DRILLING T/ 176' - FOUND DRILLING BREAK & SPOTTED SAND; TOOH LAYING DOWN COLLARS/BIT; RIH W/ 2 7/8" PH6 WORKSTRING T/ 166' & WAIT ON CEMENTERS; MIRU SWABBCO CEMENTERS; BREAK CIRC (RETURNS WITHIN .5 BBL) W/ FW; PUMP 100 SX 15.8 G W/ FLUID LOSS & 3% CALCIUM UNTIL GOOD RETURNS AT TANK; TOOH W/ WORKSTRING; HESITATE FOR 15 MIN BEFORE SURFACE SQUEEZING 50 SX OF SAME BLEND CEMENT; HESITATE FOR 25 MINUTES & DISPLACE W/ 2.1 BBL FW 50'; FINAL INJECTION PRESSURE 70 PSI; SECURE WELL & SDFN.

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Original KB Elevation (ft)	KB-Tubing Head Distance (ft)	Spud Date Production 11/30/1981 00:00	Rig Release Date 12/13/1981 00:00	PBDT (All) (ftKB)	Total Depth All (TVD) (ftKB)

Rpt #	Start Date	End Date	Summary
7.0	9/8/2021	9/8/2021	PJSM; RIH & TAG TOC @ 31'; TOO H & MU 7 7/8" STEEL TOOTH/MILL TOOTH TRI CONE BIT & 3 1/2" DRILL COLLARS; RIH DRILLING CEMENT; ROP <1'/MIN; TOO H & SWAP BITS; MU 7 7/8" 3 WING DRAG BIT; RIH W/ DRILL COLLARS & CONTINUE MILLING CEMENT; FORWARD CIRCULATING FW 2 BPM IN/OUT; ROP W/ DRAG BIT 5'/MIN; DRILL CEMENT F/ 31' T/260' MAINTAINING RETURNS ENTIRE TIME; DRILLED THRU PREVIOUS SHOE PLUG @ 260'; RIH T/281' & CIRCULATE CLEAN; TOO H T/188' (52' ABOVE SHOE); SECURE WELL & SDFN.
8.0	9/9/2021	9/9/2021	PJSM; CHECK TBG/CSG PRESSURE - BOTH ON LIGHT VAC; RIH W/ 3 1/2" DRILL COLLARS (9 TOTAL); CROSS OVER TO 2 7/8" RE-RACK & RE-TALLY PH6 P110 WORKSTRING; CONTINUE RIH W/ WORKSTRING; TAG FILL/MUD @ +/- 500'; EOT @ 8 08' - UNABLE TO RIH - RU TO CIRC; PUMP ONLINE FORWARD CIRCULATING 2 BPM - AFTER +/- 24 BBLs RETURNS @ SURFACE; CIRCULATE CEMENT/MUD/FORMATION (SHALE) OUT OF HOLE; RETURNS CLEAN - CONTINUE RIH; ABLE TO SLIDE IN T/ 1,245' BEFORE TBG WON'T FALL; RU TO CIRC CLEAN AGAIN; ABLE TO SLIDE IN T/ 1,338' BUT FIGHTING TO GET DOWN; RU POWER SWIVEL AND BEGIN CIRCULATING AND ROTATING TBG IN T/ 1,712'; HEAVY SHALE/MUD/CEMENT IN RETURNS - NO ISSUES CIRCULATING; CIRCULATE CLEAN; TOO H STANDING BACK 22 STANDS & LD 1 SINGLE - EOT @ 310'; SECURE WELL & SDFN.
9.0	9/10/2021	9/10/2021	PJSM; CHECK TBG/CSG PRESSURE - BOTH SIDES 0 PSI; TIH F/310' T/1,712'; RU POWER SWIVEL AND BREAK CIRCULATION (FORWARD CIRCULATING 2 BPM) - GOOD RETURNS TO TANK; DRILL DOWN 1 JT T/1,742' & TEMPORARILY LOSE RETURNS; LD 1 JT & CIRCULATE @ 1,712' UNTIL RETURNS RE-ESTABLISHED - UNLOADING HEAVY MUD SLUGS & HEAVY CUTTINGS; SHAKER SCREENS BLINDING OFF WITH MUD - FLUID SYSTEM IS GETTING SATURATED WITH SOLIDS - CONTINUE CIRCULATING UNTIL RETURN FLUID IS SIMILAR TO INJECTION FLUID; CONTINUE DRILLING AHEAD T/2,054' - NO TAG ON FOX HILLS PLUG YET; CIRCULATE CLEAN & TOO H STANDING BACK T/ 310'; SECURE WELL & SDFN. WILL ADDRESS TANKS/FLUID SYSTEM IN MORNING.
10.0	9/11/2021	9/11/2021	PJSM; MIRU BRAND X HYRDOVAC TRUCKS TO CLEAN MUD/CUTTINGS FROM CEMENT TANK & RIG TANK; CHECK TBG/CSG PRESSURE - STATIC ON BOTH SIDES; RIH W/ WORKSTRING & TAG @ 2,050'; BREAK CIRCULATION (FORWARD CIRCULATING @ 2BPM); RETURNS BACK TO SURFACE WITHIN 20 BBLs; CONTINUE DRILLING AHEAD; CUTTINGS/FORMATION (SHALE & SAND) ARE SMALLER TODAY; FLUID LOSSES ARE NEGLIGIBLE; TAG FOX HILLS CEMENT PLUG @ 2,116'; HARD DRILLING (.5'/MIN); ROP SLOWED @ +/- 2,179'; DRILL T/2,189' & UNABLE TO MAKE HOLE PAST 2,189' (DRILLED FOR 1.5 HRS IN SAME SPOT); TOO H TO INSPECT BIT; BLADE BIT LOOKS OK - NO MAJOR DAMAGE; SWAP TO STEEL TOOTH/MILL TOOTH TRI CONE BIT; RIH T/ 310'; SECURE WELL & SDFN.
11.0	9/12/2021	9/12/2021	PJSM; CHECK TBG/CSG PRESSURE - BOTH SIDES STATIC; RIH W/ WORKSTRING & TAG HIGH @ 2,038' (151' OFF PREVIOUS DEPTH: RU POWER SWIVEL AND BEGIN WASHING DOWN - RETURNS BRINGING BACK FORMATION; ABLE TO WASH THRU FILL EASILY; TAG HARD @ 2,189' AND RESUME DRILLING FOX HILLS CEMENT PLUG - MILL TOOTH CONE BIT GETTING THROUGH HARD CEMENT FASTER THAN BLADE/DRAG BIT; CONTINUE DRILLING AHEAD F/ 2,189' T/2,366' FORWARD CIRCULATING @ 3BPM W/ MINIMAL LOSSES; WOB +/-6K W/ AVG ROP @ .5'/MIN; CIRCULATE CLEAN AND RACK SWIVEL; TOO H STANDING BACK; SECURE WELL & SDFN.
12.0	9/13/2021	9/14/2021	DAY TOWER: PJSM; RIH W/ WORKSTRING - TAG @ 2,136' (230' OF FILL); CLEAR DERRICK OF TBG & RU POWER SWIVEL; BREAK CIRCULATION (FORWARD CIRCULATING 3 BPM); RIH WASHING FILL F/2,136' T/2,366'; RESUME DRILLING FOX HILLS CEMENT PLUG - HARD DRILLING F/2,366' T/2,397' (.2'/MIN); ROP INCREASED TO +/- .5'/MIN F/2,397' T/2,491'. NIGHT TOWER: PJSM; CONTINUE DRILLING FOX HILLS PLUG - EXTREMELY DENSE CEMENT, GOOD FLUID CONDITIONS, PR @ 3.5BPM, ROP REDUCED TO 2.5HRS. AVERAGE - (ANTICIPATE APPROXIMATELY ADDITIONAL 20.00'FT REMAINING PLUG, CURRENT DEPTH @ 2,603.00'FT/JNT #75 1/2 JNT IH, OBSERVING A FEW POINTS AS IDEAL WEIGHT, CONTINUE IH W/ TRI CONE ROCK BIT.
13.0	9/14/2021	9/14/2021	DAY TOWER: PJSM; CONTINUE DRILLING FOX HILLS PLUG; ALTERNATE WEIGHT ON BIT - SPUD ON PLUG - VARY PUMP RATES - NO SUCCESS MAKING HOLE PAST 2,608'; CALL TO DISCUSS; TOO H - FOUND BIT WAS WORN; ORDER TOOLS (MUD MOTOR/BIT) FOR AM; SECURE WELL/LOCATION & SDFN.
14.0	9/15/2021	9/16/2021	DAY TOWER: PJSM; MU KLX 3 1/8" MOTOR W/ 7 7/8" TRI-CONE BIT (VAREL L2 MILL TOOTH) & HANDLING SUB; INSTALL SCREEN SUB, REMOTE GAUGE & FLOW METER; RIH W/ COLLARS & 2 7/8" PH6 WORKSTRING; TAG FILL @ 2,066' (542' HIGH); LD TBG IN DERRICK & RU POWER SWIVEL; BEGIN WASHING FILL FORWARD CIRCULATING @ 3.75 BPM (1,200 - 1,300 PSI OFF BOTTOM PRESSURE); BRINGING CHUNKS OF SHALE BACK IN RETURNS; WASH FILL AT 2.3'/MIN AVG ROP; TAG SOLID @ 2,608' (SAME PREVIOUS SPOT) AVG ROP T/2,623' = 17 MINUTES PER FOOT. NIGHT TOWER: GOT POWER SWIVEL REPAIRED, CONTINUE DRILLING FROM 2,623' TO 2,750'.
15.0	9/16/2021	9/17/2021	DAY TOWER: PJSM; CONTINUE DRILLING AHEAD F/2,750' T/2,944'; AVG ROP .25'/MIN - RETURNS CLEAN ALL DAY; CIRCULATING 4 BPM W/ MINIMAL LOSSES; CONTINUE DRILLING AHEAD. NIGHT SHIFT: CREW TRAVEL, SAFETY MEETING CONTINUE DRILLING FROM 2,944' TO 3,110', AVG ROP .25'/MIN. SHIFT CHANGE.

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Rpt #	Start Date	End Date	Summary
16.0	9/17/2021	9/18/2021	<p>DAY TOWER: PSJM; PUMP WENT DOWN; REPAIR PUMP & CIRCULATE BOTTOMS UP (EOT @ 3,110'); PUMP OFFLINE TO CHANGE WASHINGTON RUBBER; PUMP ONLINE & CONTINUE DRILLING AHEAD; PUMP ISSUES W/ PRIMARY PUMP AND BACK UP PUMP - SD TO REBUILD FLUID ENDS ON BOTH PUMPS; CONTINUE DRILLING AHEAD; NOT MAKING HOLE @ 3,156' - NO DIFFERENTIAL ON MOTOR & OFF BOTTOM PRESSURE 500 PSI LOW; CALL TO DISCUSS; ATTEMPT TO CONTINUE DRILLING - SWIVEL PACKING LEAKING - TIGHTEN MULTIPLE TIMES; BOOST PUMP HEAD WASHED OUT; DECIDE TO TOOH TO INSPECT TOOLS/FIX SURFACE EQUIPMENT.</p> <p>NIGHT TOWER: CONTINUE TOOH, FOUND THE 2 3/8" REG HAD TWISTED OFF ABOVE THE MOTOR, LEFT THE MOTOR, BIT SUB AND BIT IN THE HOLE. TIH WITH THE DRILL COLLARS AND LAY THEM DOWN, RIG DOWN POWER SWIVEL, HAUL OFF THE HEAVY MUD, AND DILUTE THE TANK WITH FRESH WATER. SWAP OUT MUD PUMP, TIH W/ NC, AND TBG TO 3,133', RU TO CIRCULATE, ESTABLISH CIRC. AND CONDITION THE HOLE. SHIFT CHANGE.</p>
17.0	9/18/2021	9/18/2021	<p>PJSM; CONTINUE CONDITIONING HOLE UNTIL CEMENTERS AOL; PUMP OFFLINE TO REPAIR MU CEMENTERS; PUMP JOB AS FOLLOWS:</p> <p>50 BBLS FW LEAD 61.4 BBLS SLURRY (15.8# G W/ 1% CaCl) 10.5 BBLS DISPLACEMENT</p> <p>ESTIMATED TOC @ 2,114'; PLUG HEIGHT 1,019'.</p> <p>TOOH W/ 36 STANDS & LD 28 JTS; TOP OFF WELL WITH FW; SECURE WELL/LOCATION & SDFN.</p>
18.0	9/19/2021	9/19/2021	<p>PJSM; CHECK WELL PRESSURE - STATIC; RIH W/ WORKSTRING AND TAG TOC @ 2,187'; LD 1 JT W/ EOT @ 2,179'; MIRU SWABBCO CEMENTERS & PUMP 64 SX 15.8# G W/ 1% CaCl (13 BBLS SLURRY VOL) & DISPLACE W/ 10 BBLS FW; TOOH STANDING BACK 31 STANDS & LD 10 JTS; WOC 4 HRS - SURFACE SAMPLE IS SUFFICIENTLY CURED FOR TAG; CHECK FLUID LEVEL & GAS MIGRATION - NO MOIGRATION OBSERVED & FLUID LEVEL MAINTAINING; RIH & TAG TOC @ 1,987'; CONFIRM WE CAN PROCEED CEMENTING FROM COGCC INSPECTOR; LD T/ 1,278'; MIRU SWABBCO CEMENTERS & PUMP 180 SX 15.8# G W/ 2% CaCl (37 BBLS SLURRY VOL) & DISPLACE W/ 3 BBLS FW; CLACUALTED TOC @ 686'; TOOH STANDING BACK 11 STANDS & LD 19 JTS; TOP OFF WELL WITH FW; SECURE WELL/LOCATION & SDFN.</p>
19.0	9/20/2021	9/20/2021	<p>PJSM; CHECK PRESSURE - 0 PSI; NO SIGN OF BUBBLES; WELL CONDITIONS STATIC; RIH W/ TBG & TAG TOC @ 758'; MIRU SWABBCO CEMENTERS; PUMP 300sx 15.8# G W/ 1% CaCl (JOB WAS 260sx, DID NOT SEE CEMENT RETURNS @ TANK SO EXTENDED JOB TO 300sx - USING ALL AVAILABLE CEMENT ON LOCATION); TOOH STANDING BACK 10 STANDS & LD 4 JTS' WOC; AFTER 4 HRS RIH TO FIND TAG; TAG TOC @ 350'; MIRU SWABBCO CEMENTERS & PUMP PLANNED 180sx 15.8# G W/2% CaCl - GOOD CEMENT TO TANK @ 120sx - SHUT DOWN PUMP @ 127sx & TOOH LAYING DOWN TBG; TOP OFF WELL W/ 7.5sx SAME CEMENT; ND BOP/SPOOL/FLANGE & SECURE WELL WITH CAP & SDFN.</p>
20.0	9/21/2021	9/21/2021	<p>PJSM; CHECK WELL CONDITIONS - CEMENT SET UP @ 4' FROM SURFACE; NOTIFY COGCC INSPECTOR & CITY OF AURORA INSPECTOR; RDMO WOR - RIG RELEASED TO YARD; RELEASE SUPPORT EQUIPMENT & NOTIFY ROUSTABOUTS FOR CUT/CAP & RECLAMATION.</p>
21.0	9/27/2021	9/27/2021	<p>MEDSKER 01-28 WAS CUT AND CAPPED ON 9/27/2021. CUT AND CAP COMPLETED WITH 5280 S SERVICES ON 9/27/2021. NO MIGRATION, NO GAS, NO PRESSURE, NO VAPOR, NO ODOR. TOP OF CEMENT ALL THE WAY TO SURFACE EXCAVATE DIRT. MEASURED 12' DOWN FOR CUT. CUT CASING. CEMENT VISIBLE. INFO PLATE, CAP, BULL PLUG, AND NEEDLE VALVE WITH 1/2" PLUG WELDED ON SURFACE CASING. HOLE BACK-FILLED. LOCATION PICKED UP. ALL EQUIPMENT REMOVED</p>