



Well History

Well Name: Miller-Deppe 1

API 05123130570000		Surface Legal Location NENW 13 5N 64W		Field Name Kersey		State CO		Well Configuration Type Vertical	
Ground Elevation (ft) 4,590.00	Original KB Elevation (ft) 4,601.00	KB-Ground Distance (ft) 11.00	Spud Date 5/2/1986 00:00	Rig Release Date 5/15/1986 00:00	On Production Date 5/31/1986	Abandon Date			

Job

Drilling - original, 5/2/1986 00:00

Job Category Drilling	Primary Job Type Drilling - original	Start Date 5/2/1986	End Date 5/3/1986	Objective Drill a Codell Well
--------------------------	---	------------------------	----------------------	----------------------------------

Daily Operations

Start Date	Summary	End Date

Initial Completion, 5/17/1986 00:00

Job Category Completion/Workover	Primary Job Type Initial Completion	Start Date 5/17/1986	End Date 7/14/1986	Objective Complete a Codell Well
-------------------------------------	--	-------------------------	-----------------------	-------------------------------------

Daily Operations

Start Date	Summary	End Date

Tubing Repair, 12/1/2006 00:00

Job Category Completion/Workover	Primary Job Type Tubing Repair	Start Date 12/1/2006	End Date 12/13/2006	Objective Revisit Well and do repairs.
-------------------------------------	-----------------------------------	-------------------------	------------------------	---

Daily Operations

Start Date	Summary	End Date
12/1/2006	ND BOP's, PU casing pulled slips, NU annular fill flanges. PU 162 joints of 1 1/4 IJ tubing to 5205'KB. Circulated the hole with drilling mud for 3 hours. SDFW Daily Cost \$3400.00 Cost to Date \$24305.00 AFE Est. Cost \$	
12/4/2006	160#s tbg/csg opened & flowing to sales, MIRU SOS Well Service rig #13, blew well down, controll well w/30 bbls 2% KCL, ND WH, NU BOPs, RU Pick Testing, POOH testing to 6000 psi, (layed down 6 crimped jts testing out), RD tester, (POOH w/223 jts, sn/nc, landed @ 6699.47' KB), PU Nabors Oil Tools 4 3/4" blade bit & 5 1/2" csg scraper dressed for 17# pipe, TIH w/production tbg, tagged up @ 6783.13' KB w/226 jts, POOH laying down production tbg & tools, SI well, SDFN. Daily Cost \$7940.00 Cost to Date \$8460.00 AFE Est. Cost \$227,199.00 160#s tbg/csg opened & flowing to sales, MIRU SOS Well Service rig #13, blew well down, controll well w/30 bbls 2% KCL, ND WH, NU BOPs, RU Pick Testing, POOH testing to 6000 psi, (layed down 6 crimped jts testing out), RD tester, (POOH w/223 jts, sn/nc, landed @ 6699.47' KB), PU Nabors Oil Tools 4 3/4" blade bit & 5 1/2" csg scraper dressed for 17# pipe, TIH w/production tbg, tagged up @ 6783.13' KB w/226 jts, POOH laying down production tbg & tools, SI well, SDFN. Daily Cost \$7940.00 Cost to Date \$8460.00 AFE Est. Cost \$227,199.00	
12/5/2006	Light blow on csg, blew well down, RU Nue X Wireline, RIH w/Baker 10K CIBP, plug stacked out @ 5230' + or - & stuck, worked wireline to free plug, no results, packed off wireline and pumped 175 bbls 2% KCL down csg, had no pressure and well was on a vacuum when pump shut down, worked wireline eventually pulling out of rope socket, POOH w/wireline, wireline pulled clean from rope socket, PU Nabors Oil Tools overshot (configured to catch collar locator) & hydraulic jars, TIH picking up tallying 2 7/8" 6.5# N-80 EUE workstring, tagged fish @ 5235.52' KB w/start of jt 166, latched onto fish, POOH w/tbg & tools, had fish, RBP was missing one top slip & had very little scaring on it, not sure what could of had it hung up, SI well, SDFN. Daily Cost \$10,920.00 Cost to Date \$19,380.00 AFE Est. Cost \$227,199.00	
12/7/2006	RU Nue X Wireline, RIH w/junk basket & 4.531" gauge ring, RIH tagging bttm @ 6769' (did not feel anything going in hole), POOH w/tools, basket had some rubber pieces & part of the missing RBP slip die, RIH w/Baker 10K CIBP & set @ 6680', spotted 2 sks cmt across CIBP, RIH w/3 1/8" slickgun & perforated Niobrara "B" 6538-6552' 3 spf & Niobrara "A" 6442-6446' 1 spf (46 holes total), 120 deg phasing, 23 gram charges, .42" entry holes w/20.45" penetration, RD e-line, RU H-S Testing, PU Nabor Oil Tools 5 1/2" Crest compression PKR, TIH w/2 7/8" workstring testing to 8000 psi (all jts tested good), set PKR @ 6650' KB w/210 jts, pressure tested CIBP to 5000 psi, test good, released PKR, POOH laying down 20 jts, re-set PKR @ 6016' KB w/190 jts, loaded backside & pressure tested csg & PKR to 1150 psi, test good, NU for frac, SI well, SDFN. Daily Cost \$15,910.00 Cost to Date \$35,290.00 AFE Est. Cost \$227,199.00	
12/8/2006	Well has flowed back a total of 18 hours, tbg pressure 360 psi, well still flowing back 24 bbls an hour, left well flowing to FBT, RDMO. Daily Cost \$910.00 Cost to Date \$158,983.00 AFE Est. Cost \$227,199.00	



Well History

Well Name: Miller-Deppe 1

API 05123130570000		Surface Legal Location NENW 13 5N 64W		Field Name Kersey		State CO		Well Configuration Type Vertical	
Ground Elevation (ft) 4,590.00	Original KB Elevation (ft) 4,601.00	KB-Ground Distance (ft) 11.00	Spud Date 5/2/1986 00:00	Rig Release Date 5/15/1986 00:00	On Production Date 5/31/1986	Abandon Date			

Daily Operations

Start Date	Summary	End Date
12/8/2006	<p>Niobrara Hybrid Recomplete: MIRU Halliburton Energy Services. Performed a Niobrara stimulation using 500 gallons of 15% HCL, 1826 bbls Slickwater pad, 144 bbls of SilverStim 24# pad, 2211 bbls of SilverStim 24# fluid system, 238660 lbs of 30/50 white sand and 12000 lbs of SB Excel 12/20 resin coated proppant. Niobrara "A" perfs @ 6442-6446' (1 spf) - Niobrara "B" perfs 6538-6552' (3 spf, 46 holes total), Pumped 01-4 ppg stages 30/50 mesh white sand and 4 ppg SB Excel proppant, flush well to 1 bbl short of top Niobrara perforation (44 bbls), shut down, record ISDP = 3077 psi. RD HES, turn well on to flowback. MTP = 7523 psi, ATP = 7005 psi, AIR = 31.2 bpm. Pressure response was flat to slightly positive during 24# SilverStim stages.. Pumped treatment 2 7/8" tbg. Turn well on to flowback on a 20/64" choke. Treatment went well.</p> <p>Daily Cost:\$ Cost to Date:\$ AFE Est. Cost:\$227,199.00</p>	
12/11/2006	<p>Blow/tbg, MIRU SOS Well Service rig #13, blew well down, ND frac valve, unflange WH, NU BOPs, release PKR, POOH laying down workstring & tools, PU sn/nc, TIH picking up tallying 2 3/8" production tbg, tagged fill @ 6615' KB w/225 jts, RU to clean out, circulated clean to 6675' KB w/227 jts, rolled hole clean, LD 5 jts, ND BOPs, land tbg @ 6524' KB w/222 jts 2 3/8" 4.7# J-55 EUE 8rd - sn/nc, dropped FB full port standing vave & chased to bttm w/1.901" broach seating in seatnipple, SI well, SDFN.</p> <p>Daily Cost \$5435.00 Cost to Date \$164,418.00 AFE Est. Cost \$227,199.00</p>	
12/13/2006	<p>100#s tbg/0#s csg, open tbg to FBT, tbg blew down, RIH w/swab, IFL 1800', recovered 45 bbls, well kicked off flowing, let well unload, SI well, RDMO.</p> <p>Daily Cost \$2840.00 Cost to Date \$167,258.00 AFE Est. Cost \$227,199.00</p> <p>100#s tbg/0#s csg, open tbg to FBT, tbg blew down, RIH w/swab, IFL 1800', recovered 45 bbls, well kicked off flowing, let well unload, SI well, RDMO.</p> <p>Daily Cost \$2840.00 Cost to Date \$167,258.00 AFE Est. Cost \$227,199.00</p>	

Wellbore Integrity, 6/12/2013 06:00

Job Category Completion/Workover	Primary Job Type Wellbore Integrity	Start Date 6/12/2013	End Date 6/12/2013	Objective Swap out 3K well head with 5K well head.
-------------------------------------	--	-------------------------	-----------------------	---

Daily Operations

Start Date	Summary	End Date
6/12/2013	<p>ITP-250 psi, ICP-250 psi, ISCP-0 psi. MI&RU Bayou Rig #004, ND production equipment off WH, blow well down to RT and controlled w/60 bbls.. Unland tubing and strip off 3000 psi tubing head and strip on new 5000 psi tubing head from WB Supply with all new 5K valves and nipples. Land tubing with tubing hanger, flange up tubing head, Shut in and secured the well, RDMOL.</p>	6/12/2013

WBI - Plug Set Other Operator, 2/24/2020 06:00

Job Category Completion/Workover	Primary Job Type WBI - Plug Set Other Operator	Start Date 2/24/2020	End Date 2/25/2020	Objective
-------------------------------------	---	-------------------------	-----------------------	-----------

Daily Operations

Start Date	Summary	End Date
2/24/2020	<p>DIRECTIONS CR 388 & CR 59 N 4/10, E 4/10, N INTO LOCATION</p> <p>MIRU ENSIGN RIG 312HELD SAFETY MEETING IWP TBG-650 PSI, CSG 650PSI, SURF CSG 20 PSI OPENED WELL TO WORK TANK TO BLOW DOWN. R/U PUMP CONTROLLED WELL W/ 40BBL FRESH WATER DOWN CSG 30BBL FRESH WATER DOWN TBG FUNCTION TEST BOP N/D WELL HEAD TREE, N/U BOP. UNLAND TBG FROM WELL HEAD, P/U 5 TAG JNTS TAGGED 148' BELOW EOT @ 6672' LEAVING 44' RAT HOLE NO C/O NECESSARY. L/D TAG JNTS R/U KELLY HOSE CIRCULATE WELL CLEAN TALLY OUT TO DERRICK 204JNTS L/D 13 JNTS 2 3/8" 4.7# J-55 TBG L/D S/N N/C MIRU SUREFIRE WIRELINE RIH GAUGE RING TO 6400' NO TAG P/U RIH STS 5 1/2" 10K CIBP CORRELATE WITH LOG AND SET @ 6392' (50' ABOVE TOP OF NIO PERFS) DUMP BAILED 2 SACKS CEMENT ON TOP OF CIBP. POOH R/D WIRELINE R/U PUMP LOAD CSG PRESS TEST TO 2000PSI AGAINST BLIND RAMS HELD FOR 15MIN GOOD TEST RELEASED PRESSURE, SWI CREW TRAVELED HOME</p>	2/24/2020



Well History

Well Name: Miller-Deppe 1

API 05123130570000		Surface Legal Location NENW 13 5N 64W		Field Name Kersey		State CO		Well Configuration Type Vertical	
Ground Elevation (ft) 4,590.00	Original KB Elevation (ft) 4,601.00	KB-Ground Distance (ft) 11.00	Spud Date 5/2/1986 00:00	Rig Release Date 5/15/1986 00:00	On Production Date 5/31/1986	Abandon Date			

Daily Operations

Start Date	Summary	End Date
2/25/2020	<p>CREW HELD SAFETY MEETING IWP TBG-0PSI, CSG-0PSI, SURF CSG-0PSI, OPENED WELL TO FRAC TANK FUNCTION TESTED BOP MIRU PICK TESTERS TO CASING PERFORMED MIT AGAINST BLIND RAMS TO 516PSI HELD FOR 15MIN LOST 0PSI TEST WAS CHARTED AND SENT TO STATE GOOD TEST. RELEASED PRESSURE R/D TESTER P/U S/N N/C TIH OUT OF DERRICK 204JNTS P/U 4JNTS FROM TRAILER R/U PUMP, LOADED TUBING AND CASING ESTABLISHED CIRCULATION AND ROLLED HOLE CLEAN L/D 10JNTS TO TRAILER TO DISPLACE FLUID N/D BOP AND LANDED WELL AS FOLLOWS:</p> <p>KB-11' 198JNTS 2 3/8" 4.7# J-55 TBG- 6045.80' S/N N/C - 1.60' TOTAL LANDED DEPTH - 6058.40' KB (333.60' ABOVE CIBP) N/U 5K TOP FLANGE AND MASTER VALVE. CHANGED 5K BACKSIDE VALVE PLUMBED SURFACE CASING VALVE IN ABOVE GROUND. R/U PICK TESTING TO TORQUE/TEST WELLHEAD TO 5000PSI GOOD TEST. R/D TESTERS RIGGED DOWN RIG PUMP AND TANK SWI LEAVE PLUG IN HOLE FOR HORIZONTAL FRAC.</p> <p>***NO P/O BIT SUB RAN AS THIS WELL IS A POST FRAC P&A*** NOTE: 19 JOINTS NEED TO BE FMTD FROM WELL TO PDC INVENTORY</p>	2/25/2020