



## Well History

**Well Name: J&L Farms 13-29**

API 05123204820000		Surface Legal Location NWSW 29 6N 63W		Field Name Wattenberg		State CO	Well Configuration Type Vertical
Ground Elevation (ft) 46,660.00	Original KB Elevation (ft) 4,670.00	KB-Ground Distance (ft) -41,990.00	Spud Date 9/15/2001 00:00	Rig Release Date 9/20/2001 00:00		On Production Date 8/12/2005	

**Job**

**Drilling - original, 9/15/2001 00:00**

Job Category Drilling		Primary Job Type Drilling - original	Start Date 9/15/2001	End Date 9/20/2001	Objective Drill a Codell Well		
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**Daily Operations**

Start Date	Summary	End Date
9/15/2001	Caza Rig #1: MIRU. Spud @ 9:15PM	
9/16/2001	TD 12 1/4" hole @376. Ran 8 joints of 8 5/8" casing set @ 360. Cemented w/ 255sacks. Plug down@ 8:15AM	
9/17/2001	Drilling 7 7/8" hole @2432	
9/18/2001	Drilling 7 7/8" hole @4829	
9/19/2001	Caza Rig #1: Drilling 7 7/8" hole @6269	
9/20/2001	Caza Rig #1: TD 7 7/8" hole @6982'	
9/21/2001	Caza Rig #1: Logged and ran prod casing	
	Caza Rig #1: TD 7 7/8" hole @ 6982' KB. MIRU PSI and ran Comp Density/Comp Neutron/Dual Induction log. LTD @ 7000' KB. RU casing crew and ran 14' shoe joint, 161 joints of 10.5 #/ft, M-65, 4 1/2" casing and one joint of 11.6 #/ft, N-80 on top of string. Casing set @ 6960' KB. Latch down insert @ 6946' KB. MIRU BJ Services and pumped 10 bbl pre flush, 10 bbl mud flush, 30 bbl water spacer, 216 bbl PLC + additives (304 sx) and 45 bbl Class G + additives (166 sx). Released wiper plug and displaced with 110 bbl treated water. Plug down OK @ 6:25 pm. ECT @ 2200'. Released rig @ 7:30 pm.	

**Initial Completion, 9/25/2001 00:00**

Job Category Completion/Workover		Primary Job Type Initial Completion	Start Date 9/25/2001	End Date 9/29/2001	Objective Complete a Codell Well		
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**Daily Operations**

Start Date	Summary	End Date
9/25/2001	MIRU Nuex Wireline and ran GR/VDL/CBL. PBDT @ 6947' KB. Cement top @ 2840' KB. Perforated the Codell from 6754' to 6762' KB with 24, .34 diameter holes, 3 spf, 120 deg phasing. RDMO Nuex.	
9/27/2001	MIRU BJ Services and frac'd the Codell with 2450 bbl Vistar 20/18 and 185,000# 20/40 white sand. Break down @ 3642 psig; MTP - 5246 psig; ATP - 3631 psig; AIR - 16.3 bpm; 4 ppa sand; ISIP - 4325 psig; Treatment screened out with 339 bbl of 4# slurry left to pump. Open well to tank on 24/64 choke until bottoms up, then changed to 12/64 choke. RDMO BJ @ 12:30 pm.	
9/29/2001	Flowing well thru 12/64" choke to tank to clean up. FL Casing pressure 400#. LR 198. TLR 848. Cutting 40% oil.	

**Swab, 2/12/2002 00:00**

Job Category Completion/Workover		Primary Job Type Swab	Start Date 2/12/2002	End Date 2/15/2002	Objective pull tubing out and swab		
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**Daily Operations**

Start Date	Summary	End Date
2/12/2002	MIRU completion rig to run tubing. Kill well with 2% KCL. NU BOPs & tally in hole with 2 3/8" tubing. Ran 161 jts and SWIFN.	
2/13/2002	Finish RIH with 2 3/8" tubing, tag sand @ 6804. Circ & clean out to 6939 KB. Roll hole 45 mins. Land tubing with 217 jts @ 6752 KB. ND BOPs, flange up wellhead. RDMO comp rig.	
2/14/2002	MIRU swab rig. IFL 1600'. LR 71. FFL 3000'. Blow on casing & tubing. SDFN.	
2/15/2002	Gauge SI well pressures. ITP 1000#. ICP 650#. Flowed tubing & swab well. LR 45. Kicked off flowing. Clean up for 1/2 hr & SI. FCP 550. FTP 150.	

**Workover, 8/11/2005 00:00**

Job Category Completion/Workover		Primary Job Type Workover	Start Date 8/11/2005	End Date 8/12/2005	Objective Fishing runs, found leak in casing		
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**Daily Operations**

Start Date	Summary	End Date
8/11/2005	PDC Rig # 99: MIRU. W/H - 100/200. Blew well down. Laid in fishing Tool, made fish run. Caught plunger @ 3548'. Came out with plunger. Plunger was covered with drilling mud. S/I well. SDFN. IP - 100/200, EP - B/150	
8/12/2005	PDC Rig #99: W/H - B/150. Made fish run to pull standing valve. Could not fish. Came out of hole, fishing tool had drill mud in it. S/I well. RDMO. Well appears to have casing leak. IP B/150 EP - 0/150.	

**Mechanical Integrity Test, 3/18/2015 06:00**

Job Category Completion/Workover		Primary Job Type Mechanical Integrity Test	Start Date 3/18/2015	End Date	Objective MIT		
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			On Production Date 8/12/2005	

**Daily Operations**

Start Date	Summary	End Date
3/18/2015	STP 40 psi, SCP 100 psi, not on blow down through production equipment, SSCP 0 psi, MIRU Ensign 314, held safety meeting, RU rig and all equipment, pressure tested hard lines, blew well down to rig tank, attempted to control well w/10 bbls Claytreat/Biocide water down tubing, tubing pressured up, pumped 10 bbls down casing, surface casing started to flow, definite holes to production casing, shut surface, pumped down tubing up casing, rolled hole clean, function tested BOP's, ND WH, NU BOP, PU tag jts, TIH w/ 2 jts, tagged @ 6,787.25' (159.75' above PBTD, 25.25' of rat hole), LD tag jts, RU Pick Testers, POOH w/production tbg to derrick testing to 6000 psi, all jts tested good, RD tester, out of hole w/ 213 jts 2 3/8" J-55 EUE 8rd tbg, 2-8' subs, sn/nc, tbg was landed at 6,735.25' KB, PU STS bit and scraper dressed for 4 1/2" 10.5# casing, TIH w/ scraper and 214 jts of tubing, TOOH standing back w/ 30 jts, SI and isolate well, shut and locked pipe rams on BOP's, drained lines and pump, prepared for next day operations, SDFN	3/18/2015
3/19/2015	SCP 50 psi, STP 0 psi, SSCP 0 psi, held safety meeting, opened well to rig tank, held safety meeting, continued TOOH w/ tubing, held safety meeting, MIRU Nabors wireline. PU Baker 4 1/2" CIBP. RIH w/CIBP and collar locator getting on correct depth and setting CIBP @ 6,710'. CIBP set 44' above top Codell perf. POOH LD tools and PU dump bailor filled w/2 sacks of cement. RIH and dumped cement accross CIBP. POOH w/ bailer, PU 32A tension packer for 4 1/2" 10.5# casing from STS. TIH w/prod. tbg. and started hunting holes first tested CIBP set PKR at 3133.25' (293.25' below orginal cement top), CIBP tested good, started hunting holes, Found holes from 1941' to 2851'. POOH prod. tbg. to the derrick and LD packer. TIH to LD onto trailer provided ATP, LD total of 213 jts onto trialer provided by ATP, ND BOP's, ND WH, installed 4 1/2" collar, 4 1/2" x 2" swedge, installed 3000K 2" balon valve, SI and isolated well, racked pump and tank. RDMOL  NOTE: 213 jts of 2 3/8" tubing will be hauled to ATP yard and placed on PDC good rack. FMT will be filled out transfering 213 good jts from the well to the PDC inventory.	3/19/2015

