



Well History

Well Name: P J 3

API 05123161110000		Surface Legal Location NWSW 8 5N 64W		Field Name Wattenberg		State CO		Well Configuration Type Vertical					
Ground Elevation (ft) 4,593.00		Original KB Elevation (ft) 4,605.00		KB-Ground Distance (ft) 12.00		Spud Date 8/31/1992 00:00		Rig Release Date 10/26/1992 00:00		On Production Date 11/12/1992		Abandon Date	

Job						
Drilling - original, 8/31/1992 00:00						

Job Category Drilling	Primary Job Type Drilling - original	Start Date 8/31/1992	End Date 9/1/1992	Objective Drill a new Codell well
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Daily Operations						
Start Date	Summary					End Date

Initial Completion, 9/1/1992 00:00				
Job Category Completion/Workover	Primary Job Type Initial Completion	Start Date 9/1/1992	End Date 9/5/1992	Objective Complete a Codell well

Daily Operations						
Start Date	Summary					End Date

Tubing Repair, 10/12/2006 00:00				
Job Category	Primary Job Type	Start Date	End Date	Objective
Completion/Workover	Tubing Repair	10/12/2006		

Daily Operations		
Start Date	Summary	End Date
10/11/2006	MI, RUPU, pump & rig tank. WTP=150#, WCP=150#, bled down & killed well w/ 40 bbls KCL. ND the WH, NU x-over flange & the BOPs. RIH w/ 40' of tbg, tagged TOF @ 6805' MD & TOH w/ 210-jts of tbg tallying. Secured the well & SDON.	10/12/2006
10/12/2006	SIWP=0#. Made up prod equip, RU H-S Testing & TIH w/ tbg hydro testing to 7000# (found 5 holes & 2 splits). Tagged TOF @ 6805' MD, RD H-S & NU the J-U head. Loaded the hole, washed down to PBD @ 6909' MD & rolled the hole clean. Laid down the tag jts, landed the tbg as follows= 2 3/8" API SN & 211-jts 2 3/8" j-55 tbg to surface. ND the BOPs, x-over flange & NU the WH. RU the swab bottle, ran a broach to the SN & started swabbing. Recovered 70 bbls, secured the well & SDON.	10/13/2006
10/15/2006	SITP=vac, SICP=250#. Made 3 swab runs, recovered 7 bbls & csg fell off to 200#. RD SB, PU, pump, rig tank & MO equipment. Well kicked off & returned to production.	10/16/2006
FINAL REPORT		

Completion, 9/11/2008 00:00				
Job Category Completion/Workover	Primary Job Type Completion	Start Date 9/11/2008	End Date	Objective pull tubing, test and replace bad joints, clean out to plug back

Daily Operations						
Start Date	Summary					End Date
9/10/2008	STP-20#,SCP-60#; MIRU PU tank & rig pump. Blow down & kill well w/ 20 bbls 2% KCL.ND WH,unland tbg,NU x-overr flange & BOPs.PU & tag fill w/116.20' KB @ 6946'LD tag jts,TOH w/ 211 jts 2 3/8" tbg,RU H&S Testers,PU B&S TIH hydrotesting 211 jts to 7K psi,RD tester,LD 1 jt,pump 25 bbls 2% KCL.LD 9 jts.SWI.					9/11/2008
9/11/2008	STP-60#,SCP-0#; TOH w/ 202 jts, too muddy to get wireline in location,SWIFWE.					9/12/2008
9/14/2008	RU JW Wireline,Made up a Owen 4 1/2"x 10,000# CIBP & RIH. Ran a collar strip & correlated with copy of Goodwell Perforators Gamma Ray log. Tied in to the csg collars & set the top of the CIBP @ 6810' WD. Dump bailed 1sx of cmt on top of the plug (est TOC @ 6800' WD). Made up a 3 1/8" x 26' slick gun, RIH & perforated @ 6710'-36' Made up a 3 1/8" x 26' slick gun, RIH & perforated @ 6638'-64' Made up a 3 1/8" x 21' slick gun, RIH & perforated @ 6526'-47'. All shots were 6-SPF, 60 deg phasing, 23 gram, 32.54" penetration, .41" entry (423-perfs), RD JW. PU 4 1/2" RBP & Crest Pkr, TIH. SWIFN.					9/15/2008
9/15/2008	RIH w/ tbg, set the RBP 6776' MD & RU Halliburton. Spotted 500 gals 15% HCL, PUH w/ the tbg & set the PKR @ 6697' MD. Press up casing to 1000#, break the Nio C bench @ 4248# pumping 1.4 bpm. Increase rate to 3.7 bpm @ 4468#, ISIP=3663#, 5-min =2427#. Bled off the press, released the tools & PUH. Set the RBP @ 6678' MD, RU Halliburton & spotted 500 gals 15% HCL. PUH w/ the tbg, set the PKR @ 6606' MD & press casing to 1000#. Break down the Nio B bench @ 3846# pumping 1.8 bpm. Increase rate to 4.1 bpm @ 4431#, ISIP=3781#, 5-min=2962#. Bled off the press, released the tools & PUH w/ tbg. Set the RBP @ 6613' MD, RU Halliburton & spotted 500 gals 15% HCL. PUH w/ the tbg, set the PKR @ 6512' MD & press up csg to 1000#. Break down the Nio A bench @ 4035# pumping 1.5 bpm. Increase rate to 3.7 bpm @ 4398#, ISIP=3726#, 5-min=3114#, RD Halliburton. Bled off the press, released the tools & TOH, laying down,tbg, plug & pkr. SWIFN.					9/16/2008
9/16/2008	CP-60#; NU Halliburton 10K# frac valve, RDMO tank & rig pump.					9/17/2008
9/29/2008	MI & RU Halliburton Services, SIP=94#. Load csg and rolled over into the Niobrara formation at 3585# pumping @ 8.3 bpm & displace 1000 gal 15% HCL to the perforations. ISIP=3391#, 5-min=3234# (.95 IFG). Stimulate the Niobrara w/ 238 bbls FDP pre-pad, 1429.3 bbls of FR pad & 2336.7 bbls of Silverstim fluids. 238,560# of Ottawa 30/50 sand & 12,000# of SB Excel 12/20 sand. Press: max/avg 4995,4746, Rate: max/avg 58.5,56.1 Average temp=64.6 degs, Average viscosity=24.3 cp. ISIP=3659#, 5-min=3484# (.99 IFFG). Start well on flowback w/ a 20/64th choke @ 11:15 AM w/ 3950 SIP & 2900# FP. RD & MO Halliburton.					9/30/2008
9/30/2008	7 am. Casing pressure is 625#. Flowed back 1144 bbls. Will be treed up & turned down line this morning.					10/1/2008
10/19/2008	SCP-240#,MIRU PU tank & rig pump,blow down well, stand by for water,pump breaks down, hook well back up to flowline.SWIFN.					10/20/2008
10/20/2008	SCP-280#, Blow down & kill well w/ 55 bbls 2% KCL. ND frac valve,NU x-over flange & BOPs,PU tbg tallying,tag fill w/ 208 jts @ 6715' NU JUH, break circulation,to hard to C/O, RU power swivel,clean & drill to 6810', circulate clean LD 10 jts, ND BOP, land tbg @6508.84' KB w/ 201 jts 2 3/8" tbg (17' above Nio perfs) RU swab bottle & run broach to SN. RDMO PU tank & rig pump					10/21/2008



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Daily Operations

Start Date	Summary	End Date
10/21/2008	STP-0,SCP-80#,SFL-1700', RU to swab well to production tank, start to swab 90% water, well kicks off after 9 runs,flowing @ 70/130, Let well clean up & SI @ 150/160#, wait one hr, 310/260# open tbg to tank, plg up in 14 mins. drop plg & SWI Swabbed back 40 bbls, flowed back 20 bbls, made 9 runs WELL IS BACK ON LINE & HAS BEEN ENTERED IN PA FINAL REPORT	10/22/2008

Tubing Repair, 7/26/2012 11:00

Job Category Completion/Workover	Primary Job Type Tubing Repair	Start Date 7/26/2012	End Date 7/30/2012	Objective > Trip additional tubing in the well and tag fill. Clean out if necessary. Trip tubing out of the well to tally. Hydrotest tubing in the well for integrity. Land tubing and broach.
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Daily Operations

Start Date	Summary	End Date
7/26/2012	> Move in and rig in Bayou well service rig # 14. Check wellhead pressures. Casing - 200 psig. Tubing - 250 psig. Surface - 0 psig. Blow down well to rig tank. Pump 20 bbl of treated water { clay treat, bio-cide } via the tubing. Pump 20 bbl of treated water via the casing. Strip wellhead and nipple up the bope. Trip 10 joints of tubing in the well and tagged cast iron bridge plug. +310'. Lay down 10 joints. Trip tubing out of the well. Tally tubing and inspect - Tripped 201 joints out of the well. { 6,508' }. Tag at 6,805+. Shut in well, shut down for the evening.	7/26/2012
7/27/2012	> Check wellhead pressures. Casing - 75 psig. Surface - 5 psig. Pump 10 bbl of treated water via the casing. Make up bha - 3,8750" { tri-cone bit and bit sub }. Trip tubing in the well hydrotesting to 6,000 psig. Tag cast iron bridge plug at 6,819'. Rig in power swival. Break circulation with 100 bbl to load. Start rotating pipe. Rotate for 1 hr and 10 minutes to get through cast iron bridge plug. Circulate joint for 45 minutes. Trip 4 more joints in the well to 6,952'. Lay 1 joint down and rig out the power swival. Circulate for 1 hr. Trip bit out of the hole. Make up bha - { notched collar, seat nipple }. Trip tubing in the well with a total of 210 joints of 2 3/8" { 4.7 #/ft } { j-55 }. 1 - 8' sub. Nipple down the bope and nipple up the wellhead. Shut down for the evening. adlusted kb - 8' notched collar - 0.4 seat nipple - 1.1 tubing landed at 6,805'. fluid to recover - 130 bbl	7/27/2012
7/30/2012	> Rig out and move.	7/30/2012

Wellbore Integrity, 10/13/2016 06:00

Job Category Completion/Workover	Primary Job Type Wellbore Integrity	Start Date 10/13/2016	End Date 10/18/2016	Objective SET CIBP ABOVE PERFS AHEAD OF HORIZONTAL FRACS
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Daily Operations

Start Date	Summary	End Date
10/13/2016	MIRU ENSIGN 354. SPOT IN EQUIPMENT. HELD SAFETY MEETING. ITP 200-PSI. ICP 200-PSI. ISCP 0-PSI. RU. RU PUMP AND TANK. BLOW DOWN WELL TO FLAT TANK. CONTROL WELL W/ 30 BBLS CLAYTREAT ON TBG AND 40 BBLS ON CSG. ND WH. NU BOPS. NU WH. TAG FILL W/ 150'. LD TAG JTS.. TOO H STANDING BACK 210 JTS 2 3/8", LD SNNC. WELL WAS LANDED AT 6807.84'. RU HYDROTESTER AND PU 3 7/8" STS BIT/SCRAPER AND TIH HYDROTESTING 210 JTS, HAD NO BAD JTS. RD TESTER. TOO H STANDING BACK 10 JTS, SWI. SDFN. CREW TO YARD.	10/13/2016
10/14/2016	CREW ON LOCATION. HELD SAFETY MEETING. ITP 0-PSI. ICP 0-PSI. ISCP 0-PSI. OPEN WELL. CONTINUE TO TOO H STANDING BACK TOTAL 210 JTS 2 3/8", LD BIT/SCRAPER. RU WL. PU 10K LEGACY AND SET CIBP AT 6475' WICH IS 51' ABOVE TOP NIOBRARA PERFS. DUMP BAIL CEMENT OVER CIBP. PU 3 7/8" CONE BIT WITH POP OFF BIT SUB AND TIH W/ 198 JTS 2 3/8", HANG WELL AT 6422.07' KB. RU CIRCULATING EQUIPMENT. CIRCULATE GAS OUT OF WELL. PRESSURE TEST CSG TO 2500# PSI. WAS HOLDING PRESSURE FOR 3 MINUTES AND PRESSURE DROPPED TO 0 PSI. PRESSURED UP AGAIN AND WOULD NOT HOLD PRESSURE. TOO H STANDING BACK 198 JTS 2 3/8", LD SN, POP OFF BIT SUB, CONE BIT. PU STS'S 4 1/2" PACKER AND GOT ON TOP OF CIBP AND FOUND OUT CIBP FAILED. SWI. SDFN. CREW TO YARD.	10/14/2016
10/17/2016	CREW ON LOCATION. HELD SAFETY MEETING. ITP 0-PSI. ICP 0-PSI. ISCP 0-PSI. OPEN WELL. TOO H STANDING BACK LD PACKER. PU 3 7/8" CONE BIT,, AND TIH W/ 200 JTS TAGGED CIBP AT 6475' RU POWERSWIVEL. BREAK CIRCULATION. DRILL OUT CIBP AND PUSHED DOWN TO 6950' CIRCULATED WELL CLEAN. RD POWERSWIVEL. TOO H LD ABOVE PERFS. SWI, SDFN DUE TO HIGH WINDS.	10/15/2016



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Daily Operations

Start Date	Summary	End Date
10/18/2016	<p>CREW ON LOCATION. HELD SAFETY MEETING. ITP 0-PSI. ICP 0-PSI. ISCP 0-PSI. OPEN WELL. TOOH STANDING BACK 198 JTS, LD CONE BIT. RU WL RUN IN AND SET 10K OWENS CIBP FROM STS. SET CIBP AT 6470', DUMP BAIL CEMENT OVER CIBP. RD WL. PU CONE BIT, POP OFF BIT SU, SN AND TIH W/ 198 JTS, LAND WELL AT 6422.07' KB. ND BOPS. NU WH. SWI. RDMO. CLEANED UP LOCATION.</p> <p>LANDED TUBING AS FOLLOW:</p> <p>KB= 10.00' 198 JTS 2 3/8", 4.7#, J-55, 8RD TBG=6407.07' SN=1.20' POP OFF BIT SUB/ CONE BIT= 1.80' TOTAL LANDED DEPTH= 6422.07' KB</p> <p>FMTD 12 JTS 2 3/8", 4.7#, J-55, 8RD TBG FROM WELL TO PDC INVENTORY/ ATP YARD.</p>	10/18/2016