



Well History

Well Name: Richter 24-27

API 05123229910000		Surface Legal Location SESW 27 7N 64W		Field Name Wattenberg		State CO		Well Configuration Type Vertical			
Ground Elevation (ft) 4,870.00		Original KB Elevation (ft) 4,880.00		KB-Ground Distance (ft) 10.00		Spud Date 6/2/2005 00:00		Rig Release Date 6/5/2005 00:00		On Production Date 7/27/2005	

Job

Drilling - original, 6/2/2005 00:00

Job Category Drilling	Primary Job Type Drilling - original	Start Date 6/2/2005	End Date 6/5/2005	Objective
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Daily Operations

Start Date	Summary	End Date
6/2/2005	Caza Rig #31: MIRU. Drill rat and mouse holes and spud 11" hole at 7:15 PM. TD 11" surface hole at 596' at 11:15 PM. Cond & circ 15 minutes and survey (0.47 deg at 596').	
6/3/2005	Caza Rig #31: Nipple up BOP and trip in hole with 7 7/8" bit. Test BOP and began drilling 7 7/8" hole at 12:45 PM.	
6/3/2005	Caza Rig #31: Cond & circ until 12:15 AM. TOOH at 1:30 AM and ran 13 joints of new, 24#, J-55, 8 5/8" casing to 576'. Set at 586'. Cond & circ 1/2 hour through casing and rig up Cementer's Well Service and pump 325 sacks of Class G cement + 3% CaCl2 + 1/4# flake per sack. Plug down at 4:45 AM with 5 bbls cement circulated to surface. Wait on cement at 6 AM.	
6/4/2005	Caza Rig #31: At 4048' and drilling 7 7/8" hole. Last survey: 0.14 deg at 3509'.	
6/5/2005	Caza Rig #31: TD 7 7/8" hole at 7320' at 9:30 AM. Last survey: 0.79 deg at 7225'. Short trip 10 stands and back on bottom at 10:30 AM. Cond & circ until noon and began LDDS. OOH at 5:30 PM and MIRU PSI. Ran GR/Caliper/Resistivity/SP logs finding a loggers TD of 7319'. Drillers TD of 7320'. RD release PSI. MIRU Kimsey Casing crew and ran Weatherford Auto Fill Guide Shoe, 13.98' shoe joint, 171 joints of 10.5 #/ft, 8RD, M-65, 1 joint of 4 1/2" 11.6# N-80 at surface (173 joints total). Centralizers on every other joint starting with the shoe joint. 10 centralizers ran total. Casing set @ 7307.64'. PBTD @ 7293.66'. Circulated hole for 50 minutes. RU HES and pumped 20 bbls of Clayfix Water, 24 bbls mud push, 20 bbls of Clayfix water, 8.8 bbls of 50:50 POZ:G Cement as a marker slurry @ 14.6 ppg, 163.1 bbls (280 sacks) of Hali-Lite Cement @ 11.0 ppg, & 150 sacks of 50:50 POZ:G (43.8 bbls) as a tail slurry @ 14.6 ppg. Shut-down, wash up cement pump & lines to the pit through HES iron, released Weatherford latch down wiper plug and displaced with 116.3 bbls of drilling mud with rig pump due to transfer pump on rig not working and allowing water to the inventory tank. Plug down OK @ 2:30 a.m. Bumped plug with 2100 psi @ 3.5 bpm, shut down - watched psi stabilize at 2100 psi, released psi to settling pit from hose on rig floor and tested plug, lowered casing & slips. Released rig @ 3:30 a.m. Calculated TOC approx. 400' above top of Parkman fm. Top of tail slurry approx. 400' above top of Niobrara fm. Operationally everything went good.	
6/5/2005	Caza Rig #31: At 7035' and drilling 7 7/8" hole. Last survey: 0.89 deg at 5918'.	
6/13/2005	MIRU Key Energy Rig 329. Spot rig over well. Hooked up pump to 500 barrel tank, spotted in the tubing trailer waited for wind to die down. It didn't. SDFD	
6/14/2005	TIH with open ended tubing to circulate drilling mud from well. TIH with 243 joints of 2 3/8 J-55 4.7# tubing. Tagged PBTD @ 7300' KB. Circulated for 2 hour until we had the hole cleaned up. TOH with 100 joints. SDFN.	
6/15/2005	Finished laying down tubing on sills. RD MO. Moving to the State 5519 13-8. MIRU Nuex Wireline. Ran GR/VDL/CBL log finding PBTD @ 7297' and Cement Top @ 3018'. OK cement bond on tail slurry, marker slurry not recognizable, filler slurry acceptable bond. Perforated the Codell formation from 7116-7124' (3 spf, 11 gram charges, 0.34" entry holes, and 13.59" penetration), 24 holes total. Prepare well for Codell stimulation.	
6/17/2005	MIRU BJ Services to frac the Codell formation with Vistar system. We broke the formation down with 3290psi. @4.9 bpm. Max treating pressure was 3502psi. average was 3343psi @ 16.19bpm. We pumped a total of 217,200# 20/40 white sand and 8000# resin coat. ISIP was 3648psi. Total fluid to recover is 2694 barrels	
8/30/2005	DJR Well Service Rig # 3: MIRU. W/H - 200#. Opened well to flow back tank. Killed well - 65 bbls. Stripped off frac valve. NUBOP. TIH, tallied, drifted with mini "L", 200 jts. 2 3/8" tbg. S/I well. SDFN. 200 jts. + SN + NC in hole.	
8/31/2005	DJR Well Service Rig # 3: W/H - 200/250. Opened well to flow back tank, well died. TIH, tallied, drifted with mini"L", 28 jts. Tagged fill with 228 jts. @ 7141'. Laid in JU head. Cleaned & circulated to 7297' with 233 jts. Stripped off JU head. Laid down 7 jts. Dropped standing valve. Made long broach run to SN. Good run. Seated S/V. NDBOP. Flanged up well head. Landed: 226 jts. 2 3/8" J-55 tbg. + 20' subs + SN + NC = 7098.74"KB. S/I well. RDMO. Total fluid to recover - 146 bbls. Cleaned out 156' of fill.	
9/1/2005	PDC Rig # 099: MIRU. W/H - V/V. Hooked up hard line to flow back tank. Made 7 swab runs, well would not run. S/I well. SDFN. IP - V/V, IFL - 1680', EP - B/V, EFL - 4000'. Recovered - 37 bbls. Total fluid left to recover - 109 bbls. 0 % oil cut.	
9/2/2005	PDC Rig # 099: W/H - 340/120. opened well to flow back tank, well kicked off. Flow tested for 1/2 hr. Well died. Made 16 swab runs, well would not flow. S/I well. SDFWE. IP - 340/120, IFL - 1913', EP - 40/200, EFL - 5500'. Recovered - 63 bbls. Total recovered - 100 bbls. Total left to recover - 46 bbls. Oil cut - 0 % .	
9/6/2005	PDC Rig # 099: W/H - 780/ 620. Opened well to flow back tank, well kicked off. Flow tested well for 1 hr., well died. Made 3 swab runs, well kicked off. Flow tested well for 8 hrs. Well went to gas. S/I well. SDFN. IP - 780/620, IFL - 1810', EP - 150/400, EFL - Flowing. Recovered - 118 bbls. Total recovered - 218 bbls. Total left to recover - 0. 100 % oil cut.	
9/7/2005	PDC Rig # 099: W/H - 1040/950. Opened well to flow back tank, well kicked off. Flow tested well for 3 1/2 hrs. Well went to gas. S/I well. RDMO. IP - 1040/950, IFL - Flowing, EP - 420/480, EFL - Flowing. Recovered - 50 bbls. Total recovered - 268 bbls. 100 % oil cut.	

Initial Completion, 6/13/2005 00:00

Job Category Completion/Workover	Primary Job Type Initial Completion	Start Date 6/13/2005	End Date 6/17/2005	Objective Tubing and Codell Perf/Stim
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Daily Operations

Start Date	Summary	End Date
6/13/2005	MIRU Key Energy Rig 329. Spot rig over well. Hooked up pump to 500 barrel tank, spotted in the tubing trailer waited for wind to die down. It didn't. SDFD	
6/14/2005	TIH with open ended tubing to circulate drilling mud from well. TIH with 243 joints of 2 3/8 J-55 4.7# tubing. Tagged PBTD @ 7300' KB. Circulated for 2 hour until we had the hole cleaned up. TOH with 100 joints. SDFN.	



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9/1/2005	PDC Rig # 099: MIRU. W/H - V/V. Hooked up hard line to flow back tank. Made 7 swab runs, well would not run. S/I well. SDFN. IP - V/V, IFL - 1680', EP - B/V, EFL - 4000'. Recovered - 37 bbls. Total fluid left to recover - 109 bbls. 0 % oil cut.	
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9/7/2005	PDC Rig # 099: W/H - 1040/950. Opened well to flow back tank, well kicked off. Flow tested well for 3 1/2 hrs. Well went to gas. S/I well. RDMO. IP - 1040/950, IFL - Flowing, EP - 420/480, EFL - Flowing. Recovered - 50 bbls. Total recovered - 268 bbls. 100 % oil cut.	

Workover, 8/30/2005 00:00

Job Category Completion/Workover	Primary Job Type Workover	Start Date 8/30/2005	End Date 9/7/2005	Objective Tubing
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Daily Operations

Start Date	Summary	End Date
8/30/2005	DJR Well Service Rig # 3: MIRU. W/H - 200#. Opened well to flow back tank. Killed well - 65 bbls. Stripped off frac valve. NUBOP. TIH, tallied, drifted with mini "L", 200 jts. 2 3/8" tbg. S/I well. SDFN. 200 jts. + SN + NC in hole.	
8/31/2005	DJR Well Service Rig # 3: W/H - 200/250. Opened well to flow back tank, well died. TIH, tallied, drifted with mini "L", 28 jts. Tagged fill with 228 jts. @ 7141'. Laid in JU head. Cleaned & circulated to 7297' with 233 jts. Stripped off JU head. Laid down 7 jts. Dropped standing valve. Made long broach run to SN. Good run. Seated S/V. NDBOP. Flanged up well head. Landed: 226 jts. 2 3/8" J-55 tbg. + 20' subs + SN + NC = 7098.74"KB. S/I well. RDMO. Total fluid to recover - 146 bbls. Cleaned out 156' of fill.	
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9/6/2005	PDC Rig # 099: W/H - 780/ 620. Opened well to flow back tank, well kicked off. Flow tested well for 1 hr., well died. Made 3 swab runs, well kicked off. Flow tested well for 8 hrs. Well went to gas. S/I well. SDFN. IP - 780/620, IFL - 1810', EP - 150/400, EFL - Flowing. Recovered - 118 bbls. Total recovered - 218 bbls. Total left to recover - 0. 100 % oil cut.	
9/7/2005	PDC Rig # 099: W/H - 1040/950. Opened well to flow back tank, well kicked off. Flow tested well for 3 1/2 hrs. Well went to gas. S/I well. RDMO. IP - 1040/950, IFL - Flowing, EP - 420/480, EFL - Flowing. Recovered - 50 bbls. Total recovered - 268 bbls. 100 % oil cut.	

Wellbore Integrity, 12/2/2013 11:00

Job Category Completion/Workover	Primary Job Type Wellbore Integrity	Start Date 12/2/2013	End Date 12/4/2013	Objective Set CIBP, RBP, and swap out 3K well head with 5K well head for well bore integrity during the Richter 34R horizontal wells pad frac.
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Daily Operations

Start Date	Summary	End Date
12/2/2013	ITP-400, ICP-350, ISCP-0. Held safety meeting. MIRU Ensign Rig 314. RU pump lines to well head. Blew down well to RT and controlled w/40 bbls. of 2% claytreat/biocide water. Function tested BOPE. Rig down pump lines and production equipment. ND well head and NU BOP. PU tag jts. and did not tag w/126'. LD tag jts.. Drain lines, shut in and secured the well for the night.	12/2/2013



Well History

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Daily Operations

Start Date	Summary	End Date
12/3/2013	ITP-120, ICP-200, ISCP-0. Held safety meeting. MIRU Pick Testers. POOH tallying and testing to 6,000 psi. 226 jts.-7,078.36', and 1-10' sub of 2 3/8" 4.7# J-55 EUE production tbg.. All tested good. RD tester. Tubing was landed 18.04' above Codell perfs @ 7,097.96' w/226 jts., 1-10' sub, NC/SN-1.6', and 8' adj. KB. LD notch collar and PU 3 7/8" blade bit, casing scraper for 4 1/2" 10.5# casing, and cross over. TIH w/226 jts., EOT @ 7,085'. LD 2 jts. and POOH to the derrick w/224 jts.. LD tools and PU WLTC RBP for 4 1/2" 10.5# casing. TIH w/224 jts. and 1 jt. from the ground and set RBP @ 7,054.57'. LD 1 jt. and RU circulation equipment. Broke circulation and rolled the hole clean of oil and gas. Pressured up to 2,000 psi. for 15 min.. Good test. Release pressure and RD circulation equipment. LD 4 jts. and dropped 2 sacks of sand and chased w/10 bbls. of 2% KCL. LD 5 more jts.. Leaving 215 jts. in the well and 11 jts. on the ground. Drain lines, shut in and secured the well for the night.	12/3/2013
12/4/2013	No pressures @ the well head. Held safety meeting. ND BOP and stripped off 3K well head. Stripped on a new 5K well head from WB Supply (includes new 5K casing valves and master valve). RDMOL.	12/4/2013
4/3/2014	No pressures @ the well head. Held safety meeting. MIRU Ensign Rig 325. ND top flange of 5K well head and NU BOPE (BOPE was function tested prior to installation). RU pump lines and return lines. Pressure tested lines to 2,500 psi., good test. PU 10 jts. from the ground and tagged sand @ 7,044.57'. RU tubing swivel, TIW valve, and circulation equipment. Broke circulation and wash down and latched on to RBP @ 7,054.57' w/same jt.. Rolled the hole clean of sand. RD circulation equipment. Released RBP and POOH tallying to the derrick w/225 jts. and 1 jt. on the ground-7,078.36'. LD tools and picked up new NC/SN (ID=1.780") from WB Supply. TIH from the derrick 226 jts. and landed tubing @ 7,097.96' w/226 jts.-7,078.36' and 1-10' sub of 2 3/8" 4.7# J-55 EUE, NC/SN-1.6', and 8' adj. KB. Nipple down BOP and NU well head. RU sand line, lubricator and pack off to master valve. RIH w/1.901" broach and broached to seat nipple. POOH and RD sand line, lubricator and pack off. RDMOL.	4/3/2014
6/25/2015	Core-Tech, RU,RI hole w/2" JUC, fish barsock @ 7115', fish seated SV @7116', dropped SV and bypass plnger, RIH w/ 2" JDC w/ 2 stage, set @ 4259', dropped spring and plnger, RDMO	6/25/2015

Wireline, 4/23/2018 12:00

Job Category Other	Primary Job Type Wireline	Start Date 4/23/2018	End Date 4/23/2018	Objective FISH ALL TOOLS
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Daily Operations

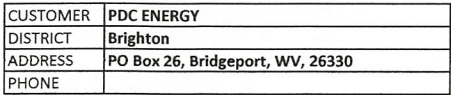
Start Date	Summary	End Date
4/23/2018	RIHW 2" JDC TO FISH PLUNGER @ 4223, FISH SPRING @ 4224, FISH STAGE TOOL @ 4225, FISH SLIDING SLEEVE @ 7068, FISH STANDING VALVE @ 7069.	4/24/2018

Abandon Well EHS, 10/10/2018 06:00

Job Category Abandon	Primary Job Type Abandon Well EHS	Start Date 10/10/2018	End Date 10/12/2018	Objective PLUG AND ABANDON WELL.
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Daily Operations

Start Date	Summary	End Date
10/10/2018	ITP 400 PSI, ICP 400 PSI, ISCP 0 PSI, MIRU ENSIGN RIG 354, BLEW DOWN WELL TO RIG TANK, FUNCTION TESTED BOP, CIRCULATED OIL AND GAS OUT, ND PRODUCTION TREE, NU BOP, PULLED 64 JTS OF 2 3/8 J-55 TO DERRICK, LD 162 JTS COME OUT LOADING THE HOLE, MIRU C&J WIRE LINE, MADE A GAUGE RING RUN DOWN TO 7100', PU 4 1/2 10K CIBP, SET CIBP AT 7066" CORRELATED WITH LOGS, SPOTTED 2 SACKS OF CEMENT ON TOP OF THE PLUG, SET SECOND CIBP AT 6771" CORRELATED WITH LOGS, SPOTTED 2 SACKS OF CEMENT ON TOP OF THE PLUG, RD WIRE LINE, LOADED THE HOLE, PRESSURE TESTED CASING AND PLUG UP TO 1000 PSI, HELD GOOD FOR 15 MINUTES, BLEED OFF PRESSURE, SHUT IN AND SECURE WELL FOR THE NIGHT, SD.	10/10/2018
10/11/2018	NO PRESSURES, OPENED WELL, ND BOP AND 5K WELL HEAD, REMOVED SURFACE CAP AND PACKING, UNLANDED CASING WITH STS'S SPEAR PULLING 60K, NU BOP, WORKED CASING UP TO 70K AND GOT FREE CASING DOWN TO 2300', MIRU C&J WIRE LINE, RIH WITH JET CUTTER, CUT CASING AT 1900', RD WIRE LINE, LD LIFTING SUB, RU CIRCULATING EQUIPMENT, PUMPED DOWN CASING AND COULDN'T GET CIRCULATION, LD 3 JTS, TRIED CIRCULATING AT 1780', COULDN'T GET CIRCULATION, PULLED UP TO 1488', BROKE CIRCULATION WITH MUD, PUMPED 2 SACKS OF SAPP DOWN CASING, CONDITIONED THE HOLE WITH MUD FOR 1.5 HOURS, GOT HEAVY MUD AND GAS ON RETURNS, LD 45 JTS OF 4 1/2 CASING ON ATP'S TRAILER, CHANGED EQUIPMENT FROM 4 1/2 TO 2 3/8, PU 2 3/8, RAN 65 JTS OF 2 3/8 DOWN TO 2038', CONDITIONED THE HOLE WITH MUD FOR 1.5 HOURS, PULLED PIPE TO DERRICK, SI AND SECURE WELL FOR THE NIGHT, SD.	10/11/2018
10/12/2018	NO PRESSURES, OPENED WELL, RAN 65 JTS OF 2 3/8 DOWN TO 2038', CIRCULATED THE HOLE WITH MUD FOR 30 MINUTES, MIRU C&J CEMENT TRUCKS, HELD SAFETY MEETING, PRESSURE TESTED LINES UP TO 2000 PSI, NO LEAKS, ESTABLISHED CIRCULATION WITH WATER, PUMPED 255 SACKS OF 14.8 CLASS G CEMENT DOWN TUBING, BALANCED CEMENT WITH 5 BBL OF WATER, EST TOC AT 1303', LD 39 JTS ON ATP'S TRAILER, EOT AT 817' WITH 26 JTS, ESTABLISHED CIRCULATION WITH WATER, OPENED WELL FOR 5 MINUTES, NO FLOW OR GAS MIGRATION, PUMPED 304 SACKS (72 BBL) OF 14.8 TYPE III CEMENT AND GOT CEMENT ON RETURNS, LD THE 26 JTS, TOP OFF WITH 13 SACKS, CLEANED UP EQUIPMENT FROM CEMENT, ND BOP, CLOSE WELL, RACK PUMP AND TANK, RDMOL. PUMPED TOTAL OF 572 SACKS OF 14.8 TYPE III CEMENT. MOVE IN ATP'S CUT AND CAP CREW, DUG DOWN 6' CUT OFF WELL HEAD, WELDED CAP ONTO SURFACE, INSTALLED MARKER PLATE ON CAP, BACKFILLED, SHUT DOWN. FINAL REPORT. 226 JTS OF 2 3/8 J-55 4.7 AND 45 JTS OF 4 1/2 10.5# CASING SOLD TO KARST.	10/12/2018



TICKET	BCO-1810-0067
DATE	10/12/2018
CREW INFORMATION	
SUPERVISOR	Brian Douglass
PUMP UNIT	445046
NUMBERS	
ARRIVAL (D&T)	10/12/18 7:00 AM
DEPARTURE (D&T)	10/12/18 11:15 AM

[illegible][illegible]

Customer Name Printed _____

Customer Signature _____

Date Signed _____



Job Summary

Ticket Number	Ticket Date
TN# BCO-1810-0067	10/12/2018

COUNTY	COMPANY	API Number
Weld	PDC ENERGY	05-123-22991
WELL NAME	RIG	JOB TYPE
Richter 24-27	Ensign 354	Plug to Abandon
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
40.53933 -104.53925	Brian Douglass	Eduardo Chavez

EMPLOYEES
<i>James Bell</i>
<i>Ben Brewer</i>

WELL PROFILE			
Max Treating Pressure (psi):		Bottom Hole Static Temperature (°F):	
Bottom Hole Circulating Temperature (°F):		Well Type:	

Open Hole

1	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	10	586	1900		
2	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

Casing/Tubing/Drill Pipe

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Surface	8.625	24	P110	0	586		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	4.5	10.5		1900	2038		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Tubing	2.375	4.7	J55	0	2038	0	817

CEMENT DATA

Stage 1:	From Depth (ft):	1301	To Depth (ft):	2038
Type: Balance Plug	Volume (sacks):	255	Volume (bbls):	60.4
Cement & Additives:				
		100% Type III	Density (ppg)	Yield (ft³/sk)
			14.8	1.33
				6.32

Stage 2:	From Depth (ft):	47	To Depth (ft):	817
Type: Surface Plug	Volume (sacks):	304	Volume (bbls):	72
Cement & Additives:				
		100% Type III	Density (ppg)	Yield (ft³/sk)
			14.8	1.33
				6.32

Stage 3:	From Depth (ft):	0	To Depth (ft):	47
Type: Top Off	Volume (sacks):	13	Volume (bbls):	3
Cement & Additives:				
		100% Type III	Density (ppg)	Yield (ft³/sk)
			14.8	1.33
				6.32

Stage 4:	From Depth (ft):		To Depth (ft):	
Type:	Volume (sacks):		Volume (bbls):	
Cement & Additives:				
			Density (ppg)	Yield (ft³/sk)

SUMMARY

Preflushes:	10 bbls of	Fresh Water	Calculated Displacement (bbl):	5	Stage 1	Stage 2
	bbls of		Actual Displacement (bbl):	4.5		
	bbls of					
Total Preflush/Spacer Volume (bbl):	10		Plug Bump (Y/N):	n/a	Bump Pressure (psi):	n/a
Total Slurry Volume (bbl):	135.4		Lost Returns (Y/N):	n	(if Y, when)	
Total Fluid Pumped	149.9					
Returns to Surface:	Cement	2 bbls				

Job Notes (fluids pumped / procedures / tools / etc.):

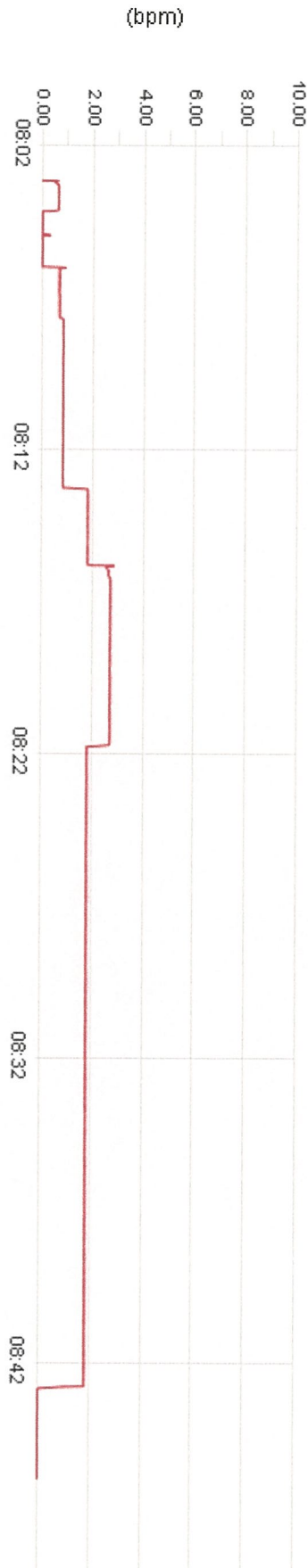
Pumped Job Per Program and customers request.

Customer Representative Signature: _____

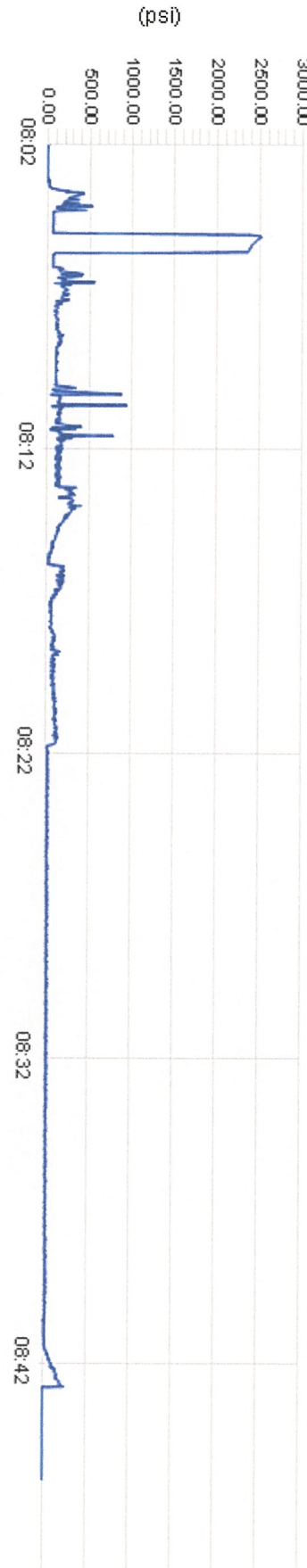
Thank You For Using
CJES O-TEX Cementing

Client	PDC ENERGY INC	Client Rep	MR. EDUARDO CHAVEZ	Supervisor	BRIAN DOUGLASS
Ticket No.	67	Well Name	RICHTER 24-27	Unit No.	445046
Location	SESW SEC.27-T7N-R64W	Job Type	Abandonment Plugs	Service District	BRIGHTON.CO
Comments	PLUG 1			Job Date	10/12/2018

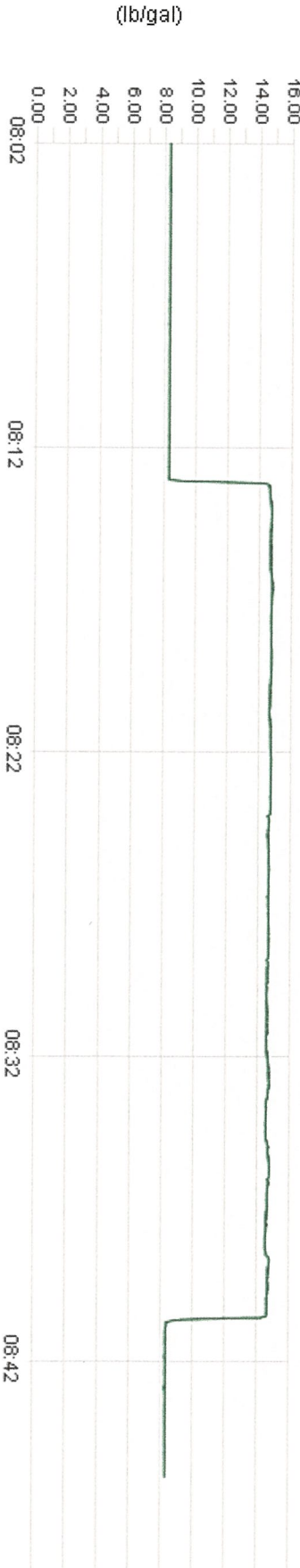
Unit 445046 Rate Total



Unit 445046 Pump Pressure

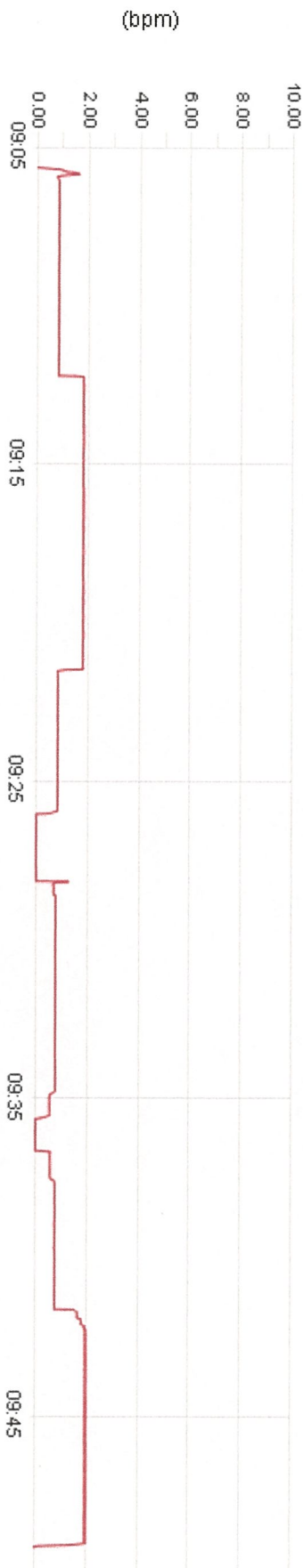


Unit 445046 Density

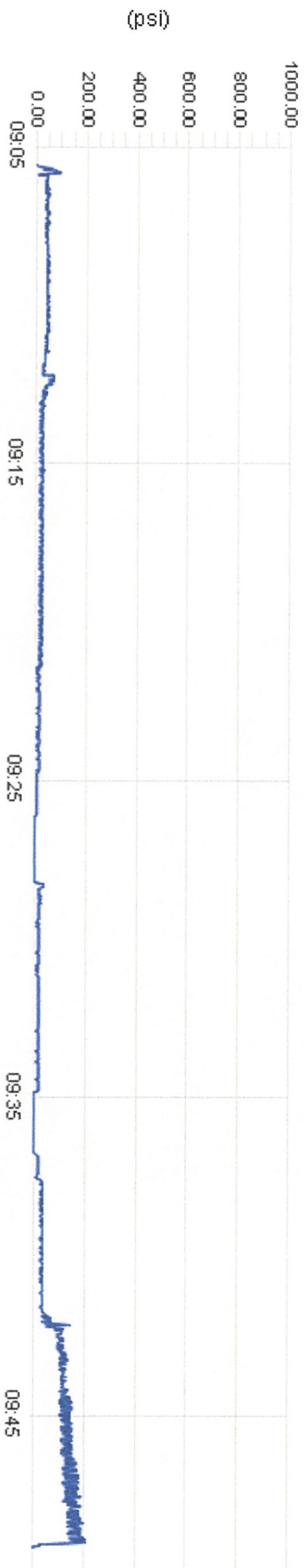


Client	PDC ENERGY INC	Client Rep	MR. EDUARDO CHAVEZ	Supervisor	BRIAN DOUGLASS
Ticket No.	67	Well Name	RICHTER 24-27	Unit No.	445046
Location	SESW SEC.27-T7N-R64W	Job Type	Abandonment Plugs	Service District	BRIGHTON, CO
Comments	PLUG 2			Job Date	10/12/2018

Unit 445046 Rate Total



Unit 445046 Pump Pressure



Unit 445046 Density





Field Ticket #
22991
Date
10/11/2018

No 22991

Sater Tools and Services LLC, 2424 6th Ave, Greeley Co 80631 Office 970-356-4644 Fax 970-356-0185

Bill To Customer:		P D C		PO#		Lease Name:		Richter		Well #:		24-27	
Address:		3801 Carson Ave				County:		CO		Invoice Ref. #:			
City:		Evans				Job Type:				OCSG #:			
State:		CO		Zip: 80620		Legal Description:		4-1/2 11.6#					
Ordered By:		Eduardo Chavez				Casing Sz & Wt:		MERCED TERRAZAS					
						Service Man:							
NO.		RENTALS/SALES		QTY		PRICE		DSC		TOTAL			
1													
2													
3													
4		Rental of 4-1/2 TIW valve		1									
5		Rental of 2-3/8 TIW valve		1									
6													
7													
8		Rental of 9487 casing spear		1									
9		Rental of 9487 3.941 spear grapple		1									
10		Rental of 2-3/8 reg pin x 2-3/8 IF spear extension and lifting sub		3									
11		Rental of 8-5/8 adaptor BOP flange		1									
12		Rental of 4-1/2 elevators		1									
13		Rental of 4-1/2 air slips		1									
14		Rental of 4-1/2 sub		1									
						Subtotal Taxable Charges							
		SERVICE MANS TIME											
		Service mans time		1									
		Inspection charges		9									
						Subtotal Non-Taxable Charges							
		MILEAGE											
		Mileage		35									
						Subtotal Non-Taxable Charges							
						Terms: Net 30 Days							

Authorized Agent: \$ EL 10-2 Date:

10/11/2018

Date: _____