



## Well History

Well Name: Groves 41-2

API 05123109460000	Surface Legal Location NENE 2 6N 66W		Field Name Eaton	State CO	Well Configuration Type Vertical
Ground Elevation (ft)	Original KB Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date	On Production Date 1/7/1983
Daily Operations					
Start Date	Summary				End Date
1/24/2013	ITP-10, ITP-50, ISCP-0. MIRU Basic rig 1548. RU pump lines to WH. Open up well to RT and blew down. When removing master valve the tubing parted at the bottom of the threads. Had to use 2 3/8" over shot from RMOR to unland tubing. ND WH and NU BOP. LD bad jt.. RU circ. equip.. Broke circ. and rolled hole to verify that no tools were left in tubing. RD circ. equip. PU 5 tag jts.. Tagged fill @ 7,388.29' w/5' in on jt. #230. LD tag jts.. POOH tallying to the derrick 226 jts.-7,277.87'. Tubing was landed @ 7,287.47' w/226 jts., NC/SN-1.6', and 8' adj. KB. PU 3 7/8" blade bit, 4 1/2" casing scraper, and cross over from RMOR. MIRU Pick Tester. TIH testing to 6,000 psi. 226 jts. from the derrick. Found 4 bad jts.. Bad jts. were laid down. RD tester. POOH to the derrick 222 jts. and LD tools. Drain lines, shut in and secured the well for the night.				1/24/2013
1/25/2013	No press. @ WH. PU WLTC 4 1/2" RBP. TIH w/224 jts. setting RBP @ 7,227.32' w/224 jts., tools and KB. LD 1 jt. and RU circ. equip. Broke circ. and rolled hole clean. Well started communicating w/surface. RD circ. equip.. POOH to the derrick 222 jts. and LD 1 jt. w/retrieving head. MIRU Nabors completion services. RIH w/collar locator, and CBL tool. Run CBL from 7,200' to surface. Found cement top to be @ 6,550'. RD wireline. PU 32A tension packer for 4 1/2" 11.6# casing. TIH from the derrick and started hunting holes @ 3,291'. Found holes from 4,505' to 5,164'. POOH to the derrick and LD packer. Drain lines, shut in and secured the well for the weekend.				1/25/2013
1/28/2013	No press. @ WH. PU jt. w/retrieving head. TIH from the derrick w/224 jts. Tagging sand @ 7,218'. RU circ. equip. and wash down latching onto RBP @ 7,227.32' w/224 jts., tools and KB. RD circ. equip.. Released RBP and POOH to the float provided by Potdurger Dairy. Tubing was visibly in bad shape. Tubing to be sold to dairy. LD tools. MIRU Nabors completion services. RIH w/Wyoming Completions 4 1/2" CIBP, and collar locator getting on correct depth. Set CIBP @ 7,250'. POOH and LD tools. PU dump bailer filled w/2 sacks of cement. RIH and dumped cement on top of CIBP. POOH and RD wireline. ND BOP and WH. NU swedge and master valve to casing. RDMOL.				1/28/2013
11/6/2013	SCP 0 psi, SSCP 0 psi, MIRU Bayou #008, opened well to rig tank, ND WH, NU BOP's, PU mule shoe, PU TIH w/ 2 3/8" J-55 4.7# cement work string delivered out by ATP, in hol to 6,795.24' w/211 jts, RU circulation equipment, broke circulation, rolled hole clean, LD circulation equipment, TOOHL 11 jts onto trailer, stood back 200 jts (6440') for cement job, SI and isolated well, drained lines, prepared for next day operations. SDFN.				11/6/2013
11/7/2013	SCP 0 psi, RU Superior Wireline, ran GR/CCL/CBL/VDL log from 6800' to 0', original cmt top to 6545' w/ signs of stringers up to 6450'. LD logging tool, MI Multi-Shot Surveyors, PU gyro tools, TIH w/ gyro, gyro'd well bore from surface to 6800, LD gyro tool, RDMO Multi-Shot, ND BOP's, ND WH, PU landing sub, unland casing, PU to 90K, removed slips, stacked casing out, NU BOP's, PU worked casing for 0-100K getting 68" of stretch, estimated free pipe to 5,797.68', pulled casing to 85k, set in rig slips, RU Wireline, TIH w/jet cutter set up for 4 1/2" casing, correlated logs, got on depth, cut casing at 6,400' TOOHL w/ tools, RD wireline, PU on casing, casing was free, pulled to next connection, LD sub, RU lay down equipment, TOOHL laying down w/74 jts 4.1/2" 11.6# production casing onto trailer provided by Todd Elston from PDC Denver office, leaving 77 jts of casing in hole, installed stabbing vavle, shut in and isoated well, drained lines, prepared for next day operations. SDFN				11/7/2013
11/8/2013	0 psi @ Wh, RD lay down equipment, removed casing trailer, spotted in second casing trailer, RU lay down equipment, TOOHL laying down w/78 jts 4.1/2" 11.6# production casing onto trailer provided by Todd Eston in PDC Denver office, laid down a total of 152 jts plus 10' cut piece, changed equipment over to run 2 3/8" J-55 4.7# cement WS, picked up 2 3/8" mule shoe, TIH w/ mule shoe and 2 3/8" cement work string, TIH in hole w/ 110 jts of tubing EOT @ 3,542.54, RU circulating equipment, broke circulation, rolled hole for 3 hours, installed TIW valve provided by STS, shut in and isoated well, drained lines, prepared for next day operations. SDFWE.				11/8/2013
11/11/2013	0 psi @ Wh, PU TIH w/ 2 3/8" cement work string, tagged casing stub at 6,400' w/ 199 jts of tubing, TIH w/ 1 more jt 2 3/8" tubing putting EOT @ 6,420.65 w/ 200 jts ( 20.65' inside of 4 1/2" production casing stub). RU circulating equipomnt, establish circulation, rolled for 5 1/2 hours bringing bottoms up 2 times, circulated all gas out of well bore, TOOHL standing back w/ 30 jts, leaving EOT @ 5,450.37' w/ 170 jts, installed TIW valve provided by STS, shut in and isoated well, drained lines, prepared for next day operations. SDFN.				11/11/2013
11/12/2013	0 psi @ WH, PU TIH w/ 30 jts 2 3/8" 4.7# J-55 tubing, putting EOT at 6,420.65' w/ 200 jts, RU circulating equipment, broke circualtion, rolled hole for 2 hours bringing back light mud no oil, RD circulating equipment, MI&RU Baker Hughes Cement Services to 2 3/8" 4.7# J-55 tubing, hold JSA and procedure meeting.  Pressure test lines to 3,500 psi  Preflush: Pumped 10 bbl fresh water to establish circulation  1st stage:EOT set @ 6,420.65' w/200 jts,mix, batch, and pump 50 sk G&E 15.8 ppg1.15 yield (10.24 bbls) Displace 24.4 Bbls balancing the plug, Est. TOC @ 6,315.24', lay down 20 jts, RU rig circulation equipment, borke circulation, EOT @ 5778.58 w/ 180 jts, circulated tubing volume, TOOHL LD w/ 55 jts.  2nd stage:EOT set @ 3,997.16' w/125 jts,mix, batch, and pump 160 sks Econocem 13.5 ppg 1.71 yield (48.27 bbls) Displace 13 bbls balancing the plug, Est. TOC @ 3,495.55', lay down 20 jts, RU rig circulation equipment, borke circulation, pumped tubing volume to flush tubing, TOOHL LD w/ 76 jts.  3rd stage:EOT set @ 893.44' w/29 jts, mix,batch and pump 550 sks of G&E 15.8 ppg 1.15 yield (112.64 bbls), returned 0 bbls cement to tank, 2 bbls of 7 bbls dyed fresh water pill returned to tank, Displace 1.0 Bbls, RD and release Baker Hughes, TOOHL laying down remaining 29 jts 2 3/8" 4.7# J-55, SI and isolated well, drained lines, prepared for next day operations, SDFN.				11/12/2013



## Well History

Well Name: Groves 41-2

API 05123109460000	Surface Legal Location NENE 2 6N 66W			Field Name Eaton	State CO	Well Configuration Type Vertical
Ground Elevation (ft)	Original KB Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date	On Production Date 1/7/1983	

### Daily Operations

Start Date	Summary	End Date
11/13/2013	<p>SCP 0 psi, TIH PU from trailer tagging cement w/ 10 jts EOT @ 315.14', RU rig pump, pumped establishing circulation, circulated for 4 hours waiting for Baker Hughes Cement crew to arrive.</p> <p>MI&amp;RU Baker Hughes Cement Services to 2 3/8" 4.7# J-55, hold JSA and procedure meeting.</p> <p>Pressure test lines to 3,500 psi</p> <p>Preflush: Pumped 5 bbl fresh water to establish circulation</p> <p>1st stag mix, batch and pump 200 sks of G&amp;E Neat 15.8 ppg 1.15 yield (40 bbls), returned 12 bbls cement to tank, Displace .5 bbl, RD and release Baker, ND BOP's, isolated well, drained lines, racked pump and tank, RDMOL.</p>	11/13/2013
11/14/2013	<p>0 psi @ WH, Ran plumb bob and 300' tape tagging cement top at 32', MIRU roustabouts, dug around well head, MIRU welder, cut off 9 5/8" surface casing 6' below ground level, welded cap onto surface casing, RD welder, backfilled burying capped casing. RD roustabouts. FINAL REPORT</p>	11/14/2013

Field—Pink



# CEMENT JOB REPORT



CUSTOMER PETROLEUM DEVELOPMENT		DATE 12-NOV-13	F.R. # 10011026477		SERV. SUPV. REESE A ANDERSON									
LEASE & WELL NAME GROVES #41-2 - API 05123109460000		LOCATION 2-6N-66W		COUNTY-PARISH-BLOCK Weld Colorado										
DISTRICT Brighton		DRILLING CONTRACTOR RIG # W/O		TYPE OF JOB Plug & Abandon										
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD TVD HANGER TYPES MD TVD								
		NA-P&A												
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES										
				SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER				
Fresh Water		0		0	8.34	0	0	03:30	20					
Treated Water		0		0	8.3	0	0	00:00	10					
Plug 1				50	15.8	1.15	4.99	04:00	10.23	5.94				
Treated Water		0		0	8.3	0	0	00:00	10					
Plug 2				160	13.5	1.71	8.29		48.81	31.59				
Fresh Water		0		0	8.3	0	0	00:00	19					
Treated Water		0		0	8.3	0	0	00:00	10					
Plug 3				550	15.8	1.15	5.00		112.45	65.45				
Fresh Water		0		0	8.3	0	0	00:00	1					
Available Mix Water		300 Bbl.		Available Displ. Fluid		300 Bbl.		TOTAL		241.49 102.98				
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS								
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
10	0	6500	4	4.5	11.6	CSG	6420	6420	N-80					
LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH			TOP CONN		WELL FLUID			
ID	OD	WGT.	TYPE	MD	TVD	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
8.1	8.63	24	CSG	415	415	NO PACKER		0	0	0	2.375	8 RD	FRESH WATER	8.4
DISPL. VOLUME		DISPL. FLUID		CAL. PSI		CAL. MAX PSI		OP. MAX		MAX TBG PSI		MAX CSG PSI		MIX WATER
VOLUME	UOM	TYPE		WGT.		BUMP PLUG		TO REV.		SQ. PSI		RATED		
36	BBLS	Fresh Water		8.34		0		0		7700		2000		0
		Fresh Water		8.3										TRANSPORT
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 1				Circulation Rate: BPM				
Mud Density In: 8.4 LBS/GAL Mud Density Out: 8.4 LBS/GAL						PV & YP Mud In: 0				PV & YP Mud Out: 0				
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> Units:						Solids Present at End of Circulation: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>								
Displacement And Mud Removal														
Displaced By: Rig <input type="checkbox"/> BJ <input type="checkbox"/>						Amount Bled Back After Job: 0 BBLS								
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL						Method Used to Verify Returns: VISUAL								
Cement Returns at Surface: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO						Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES								
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE														
Centralizers: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES						Quantity:				Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID				
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input type="checkbox"/> MANIFOLD <input checked="" type="checkbox"/> NO MANIFOLD														
Plugs														
Number of Attempts by BJ: 3						Competition: 3		Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Quantity:				
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES								Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES						
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES								Top of Plug: 0 FT		Bottom of Plug: 6420 FT				
Squeezes (Update Original Treatment Report for Primary Job)														
BLOCK SQUEEZE <input type="checkbox"/>		SHOE SQUEEZE <input type="checkbox"/>		TOP OF LINER SQUEEZE <input type="checkbox"/>		PLANNED <input type="checkbox"/>		UNPLANNED <input type="checkbox"/>						
Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		PSI Applied: 0		Fluid Weight: 0 LBS/GAL						
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE														

# CEMENT JOB REPORT



## Casing Test (Update Original Treatment Report for Primary Job)

Casing Test Pressure: 0 PSI With 0 LBS/GAL Mud Time Held: 00 Hours 00 Minutes

## Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: 0 FT Target EMW: 0 LBS/GAL Actual EMW: 0 LBS/GAL

Number of Times Tests Conducted: 0 Mud Weight When Test was Conducted: 0 LBS/GAL

Problems Before Job (I.E. Running Casing, Circulating Well, ETC)  
NONE

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)  
NONE

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)  
NONE

### PRESSURE/RATE DETAIL

### EXPLANATION

TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>			
	PIPE	ANNULUS				TEST LINES 3624 PSI			
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			
03:00	0	0	0	0	NA	YARD CALL			
05:34	0	0	0	0	NA	LEAVE YARD			
06:46	0	0	0	0	NA	ARRIVE ON LOCATION			
07:03	0	0	0	0	NA	SPOT TRUCKS/PRE RIG UP MEETING/RIG UP			
08:18	0	0	0	0	NA	SAFETY MEETING			
08:27	3624	0	0	0	H2O	PRESSURE TEST			
08:33	520	0	1.5	13	H2O	PRE FLUSH			
08:48	146	0	1.4	10	CMT	50 SACKS 15.8 PPG CEMENT			
08:58	190	0	2.2	21.5	H2O	DISPLACE			
09:12	0	0	0	0	NA	PULL TUBING			
10:06	238	0	1.8	13	H2O	PRE FLUSH			
10:16	282	0	2.4	47	CMT	160 SACKS 13.5 PPG CEMENT			
10:37	383	0	2.4	13	H2O	DISPLACE			
10:48	0	0	0	0	NA	PULL TUBING/WASH PUMPS AND LINES			
11:52	61	0	1.5	12	H2O	PRE FLUSH			
12:03	124	0	2.4	110	CMT	SX 15.8 PPG CEMENT			
12:45	133	0	2.4	1	H2O	DISPLACE			
12:55	0	0	0	0	NA	PRE RIG DOWN MEETING/RIG DOWN			

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	Service Supervisor Signature:
Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	0	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	0	231	0	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

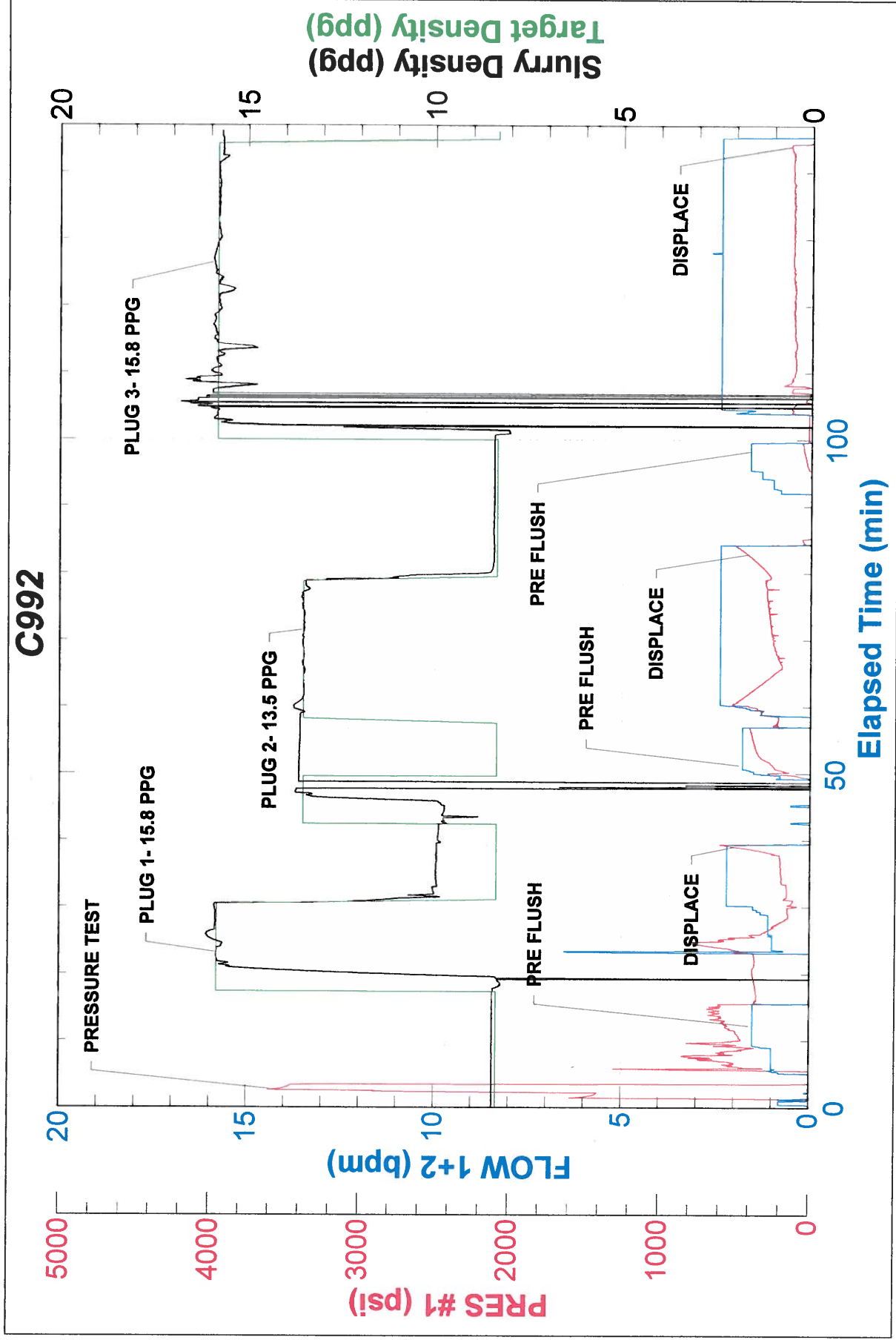


Baker Hughes JobMaster Program Version 3.60

Job Number: 10011026477

Customer: PDC

Well Name: GROVES 2





# CEMENT JOB REPORT



CUSTOMER PETROLEUM DEVELOPMENT		DATE 13-NOV-13	F.R. # 10011026822	SERV. SUPV. BARLEN M JOYNER			
LEASE & WELL NAME GROVES #2 - API 05123109460000		LOCATION 2-6N-66W		COUNTY-PARISH-BLOCK Weld Colorado			
DISTRICT Brighton		DRILLING CONTRACTOR RIG # W/O		TYPE OF JOB Plug & Abandon			
SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES MD TVD		
NO PLUG	No Shoe	NONE	0	0	NONE 0 0		
PHYSICAL SLURRY PROPERTIES							
MATERIALS FURNISHED BY BJ	LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS		
Fresh Water	0	0	8.34	0	0 00:00		
Treated Water	0	0	8.3	0	0 00:00		
Plug 1	0	200	15.8	1.15	4.99 04:00		
Treated Water	0	0	8.3	0	0 00:00		
Plug 2	0	0	13.5	1.71	8.29 00:00		
Fresh Water	0	0	8.3	0	0 00:00		
Treated Water	0	0	8.3	0	0 00:00		
Plug 3	0	0	15.8	1.15	5.00 00:00		
Fresh Water	0	0	8.3	0	0 00:00		
Available Mix Water 100 Bbl.		Available Displ. Fluid 50 Bbl.		TOTAL 51.46 23.81			
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD
4.5	0	6420	4	4.5	11.6	CSG	6420
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN	
ID	OD	WGT.	TYPE	MD	TVD	BRAND & TYPE	DEPTH
8.1	8.63	24	CSG	415	415	NO LINER	0
DISPL. VOLUME		DISPL. FLUID		CAL. PSI		CAL. MAX PSI	
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED
0.5	BBLS	Fresh Water	8.34	0	0	0	4780
		Fresh Water	8.3				1000
Circulation Prior to Job		Circulation Time: 2		Circulation Rate: 2 BPM			
Mud Density In: 8.4 LBS/GAL		Mud Density Out: 8.4 LBS/GAL		PV & YP Mud In: 0		PV & YP Mud Out: 0	
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>		Units:		Solids Present at End of Circulation: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>			
Displacement And Mud Removal							
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>		Amount Bled Back After Job: 0 BBLS					
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL		Method Used to Verify Returns: VISUAL					
Cement Returns at Surface: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES					
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE		Quantity:		Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID			
Centralizers: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input type="checkbox"/> MANIFOLD <input checked="" type="checkbox"/> NO MANIFOLD					
Plugs							
Number of Attempts by BJ: 3		Competition: 0		Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Quantity:	
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES					
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Top of Plug: 0 FT		Bottom of Plug: 300 FT			
Squeezes (Update Original Treatment Report for Primary Job)							
BLOCK SQUEEZE <input type="checkbox"/>		SHOE SQUEEZE <input type="checkbox"/>		TOP OF LINER SQUEEZE <input type="checkbox"/>		PLANNED <input type="checkbox"/> UNPLANNED <input checked="" type="checkbox"/>	
Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		PSI Applied: 0		Fluid Weight: 0 LBS/GAL	
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE							

# CEMENT JOB REPORT



## Casing Test (Update Original Treatment Report for Primary Job)

Casing Test Pressure: 0 PSI With 0 LBS/GAL Mud Time Held: 00 Hours 00 Minutes

## Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: 0 FT Target EMW: 0 LBS/GAL Actual EMW: 0 LBS/GAL  
 Number of Times Tests Conducted: 0 Mud Weight When Test was Conducted: 0 LBS/GAL

Problems Before Job (I.E. Running Casing, Circulating Well, ETC)  
 NONE

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)  
 NONE

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)  
 NONE

### PRESSURE/RATE DETAIL

### EXPLANATION

TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>			
	PIPE	ANNULUS				TEST LINES 3191 PSI			
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			
09:00	0	0	0	0	N/A	YARD CALL			
11:10	0	0	0	0	N/A	ARRIVE ON LOCATION (41 MILES) CIRCULATING WELL			
11:15	0	0	0	0	N/A	SPOT TRUCKS			
11:20	0	0	0	0	N/A	PRE-RIG UP SAFETY MEETING			
11:40	0	0	0	0	N/A	SAFETY MEETING			
11:50	3191	0	0	0	WATER	PRESSURE TEST			
11:51	25	0	1.7	5	WATER	CLAYCARE SPACER			
11:54	75	0	2.3	39	CMT	BATCH UP, WEIGH AND PUMP 200 SX OF G @ 15.8			
12:24	72	0	1.2	.5	WATER	START DISPLACEMENT			
12:25	0	0	0	0	N/A	JOB DONE			
12:25	0	0	0	0	N/A	PRE-RIG DOWN SAFETY MEETING			
13:00	0	0	0	0	N/A	TIME OFF LOCATION			

BUMPED  
PLUG  
Y ☒ N

PSI TO  
BUMP  
PLUG  
0

TEST  
FLOAT  
EQUIP.  
Y ☒ N

BBL.CMT  
RETURNS/  
REVERSED  
18

TOTAL  
BBL.  
PUMPED  
45

PSI  
LEFT ON  
CSG  
0

SPOT  
TOP OUT  
CEMENT  
Y ☒ N

Service Supervisor Signature:





## Groves 41-2 (C973) P&A

