



Cement Report

Customer	Mid Western Exploration	Lease No.		Date	4-4-13
Lease	Booch	Well #	1-8	Service Receipt	04089
Casing	5 1/2	Depth	6200	County	Stevens
State	KS		Legal Description	8-35-35	
Job Type	242 Long Strig	Formation			

Pipe Data		Perforating Data		Cement Data
Casing size	5 1/2 15.5#	Tubing Size		Lead 75 SKS A-con 2% Calcium Chloride, 1/4# Polyflake Tail in 175 SKS AA2 Cement 5% W-60, 10% SAIT, PIC-15, 1/4# De foamer, 5# Gilsonite
Depth	6725'	Depth	53.41'	
Volume	159 bbls	Volume		
Max Press	2000	Max Press		
Well Connection	5 1/2	Annulus Vol.		
Plug Depth	6683'	Packer Depth		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1700					Arrived On Location
1710					Safety Meeting, Rig up
1700					Rig running Casing
1925					Circulate with rig
1930					Hook up to BE3
2000	2000		1.5	1.5	Pressure Test
2010	420		5	4bpm	Pump Water Spacer
2015	400		12	4	Pump Super flush
2020	350		5	4	Pump Water Spacer
2025	300		13	5	Pump Cement 75 SKS at A-con @ 11.4
2030	200		47	5	Pump Cement 175 SKS of AA2 Cement @ 14.8
2100					Drop Plug Wash up
2105	300		149	6	Displace
2125	850		10	2	Slow Down
2130	1400		11	11	Land Plug- Float Held
					Plug float + Moore Valve
					Job Complete
					THANKS FOR USING BASIC Energy Services

Service Units	78936	70897-19570	143521-19578		
Driver Names	I-Chavez	Ruben	Hecker-R		

Billy _____ Customer Representative
 Jerry Bennett _____ Station Manager
 Ismael Chavez/Ruben _____ Cementer
 Taylor Printing, Inc.

SouthWest Acid Services, LLC

TREATMENT REPORT

Customer MIDWESTERN EXPLORATION		Lease Name GOOCH	
Date 4-16-13		Well # 1-8	
Ticket # 3227		Formation CHESTER SAND	
Casing 5 1/2		Tubing 2 3/8	
Job Type Acid Ball Out		County & State STEVENS KANSAS	
5/2 Pipe Date Casing Size Tubing Size 2 3/8		Perforating Date Shots/Ft	
Customer Billy Daugherty		Acid 7 1/2%	
Treater D Molleris		Fluids Type NEFE Volume 1500g	
Driver J DAY		Flush Type Ka Volume 5000g	
Truck 3-3T		Treatment Resume	
Depth 6564'		Rate	
Volume		Pressure	
Max PSI		ISIP	
Well Connection		5 Min	
Annulus Volume		10 Min	
Plug Depth		15 Min	
Packer Depth 6520'		Total Load	
		700	
		190	
		VAC	
		1	
		62.2 GAL	

Time	Casing Pressure	Tubing Pressure	Bbl Pumped	Rate	Jog Log
					ON LOCATION
					SAFETY MEETING
845	0		0 GAL	3.8	LOAD ANNULUS
907	500		81.8	.5	LOADSD
915		50	0 GAL	3.7	START ACID ↓ TRNG
		50	5	2.8	START BALLS
925		2323	24.4	1.7	HOLE LOADSD
		1380	25	1.5	FORMATION BOOKS
930		1400	36	2.8	START FLUSH
		1500	38	3	RATE ESTABLISHED
939		1920	62.2	3.5	SHUT DOWN - JOB COMPLETE
		500			ISIP
					THANK YOU FOR CALLING
					SOUTHWEST ACID SERVICES
					DICK & JACOBS

Liberal Office Machines



BASICSM
ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer <i>Midwestern Exploration</i>		Lease No.		Date <i>3/29/13</i>	
Lease <i>Gooch</i>		Well # <i>1-8</i>		Service Receipt	
Casing <i>4 5/8</i>	Depth <i>1660'</i>	County <i>Stevens</i>		State <i>Ks</i>	
Job Type <i>Surface</i>		Formation		Legal Description <i>8-35-35</i>	
Pipe Data			Perforating Data		Cement Data
Casing size <i>4 5/8</i>	Tubing Size	Shots/Ft		Lead <i>400 SK A-Com</i>	
Depth <i>1659'</i>	Depth	From	To	<i>@ 11.4#</i>	
Volume <i>102.8</i>	Volume	From	To	<i>2.95 18.10</i>	
Max Press <i>1500</i>	Max Press	From	To	Tail in <i>150 SK</i>	
Well Connection <i>P.C.</i>	Annulus Vol.	From	To	<i>P.P. @ 14.8#</i>	
Plug Depth	Packer Depth	From	To	<i>1.34 6.33</i>	
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>12:30</i>					<i>on loc, spot & R.V., surface mfg</i>
<i>14:05</i>	<i>2200</i>				<i>Test Lines</i>
<i>14:06</i>	<i>180</i>		<i>10</i>	<i>4</i>	<i>Pump stop loss</i>
<i>14:10</i>	<i>210</i>		<i>0</i>	<i>5</i>	<i>Start mixing @ 11.4#</i>
<i>14:31</i>	<i>180</i>		<i>20</i>	<i>4</i>	<i>on tail @ 14.8#</i>
<i>14:53</i>	<i>0</i>		<i>36</i>	<i>0</i>	<i>Finished mixing, Drop Plug</i>
<i>14:56</i>	<i>0</i>		<i>0</i>	<i>5</i>	<i>Start disp, washup</i>
<i>15:04</i>	<i>420</i>		<i>82</i>	<i>2</i>	<i>Slow Rate</i>
<i>15:18</i>	<i>580-1200</i>		<i>102</i>	<i>0</i>	<i>Plug Down</i>
<i>15:20</i>	<i>0</i>				<i>Release Ps., float held</i>
Service Units	<i>748939</i>	<i>3921339726</i>	<i>1962719566</i>	<i>3202114284</i>	
Driver Names	<i>Chavez</i>	<i>R. Ochs</i>	<i>S. Chavez</i>	<i>H. Rutiaga</i>	

Billy Daugherty
Customer Representative

Derry Bennett
Station Manager

Chavez
Cementer

Customer Midwestern Exploration	Lease No.	Date 4-19-13
Lease Gooch	Well # 1-8	
Field Order # 21411	Station 1717	Casing 5 1/2
		Depth 6576
Type Job Z-BZ	Formation Chester Sand	County Stevens
		State KS
		Legal Description Sec 8-35S-35W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size	Shots/Ft 6		Acid		RATE	PRESS	ISIP 3131
Depth 6576	Depth	From 6564	To 6576	Pre Pad		Max 15	3431	5 Min. 2356
Volume 136.51	Volume	From	To	Pad 10,000 gal (60# F₉₀)		Min 6.0	340	10 Min. 2156
Max Press 3500	Max Press	From	To	Frac 17,000 gal (60# ANZ Form)		Avg 15	2900	15 Min. 2024
Well Connection Stringer	Annulus Vol.	From	To			HHP Used		Annulus Pressure 0
Plug Depth	Packer Depth	From	To	Flush 4578 gal 30# ANZ Form		Gas Volume		Total Load 381

Customer Representative B. J. Deherly	Station Manager Jerry Bennett	Treater Stortz
Service Units 70230 70192 12945 30325 20394 12979 70330 39878		
Driver Names Hector JuanaG Evar Greg Carlos JuanaG		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:00					On location
7:10					Safety Meeting & Rigup
10:10	3500				Prime up PSI Test
10:17	340			3.0	Start 10,000 gal Pad
10:19	833		19	6.0	Loaded
10:21	1415		26	15	Established Rate
10:32	3041		95	15	Start 3,000 gal 1# 20/40
10:37	3105		125	15	Start 5,000 gal 1 1/2# 20/40
10:42	2958		157	15	1# 20/40 OIB
10:45	2904		176	15	Start 4,000 gal 2# 20/40
10:47	2899		187	15	1 1/2# 20/40 OIB
10:51	2969		218	15	Start 3,000 gal 2 1/2# 20/40
10:53	3116		238	15	2# 20/40 OIB
10:55	3172		250	15	Start 2,000 gal 3# 16/30 Resin
10:58	2955		272	15	Start Flush
10:59	2955		280	15	2 1/2 20/40 OIB
11:02	2955		312	15	3# 16/30 Resin OIB
11:09	3431		381		Shut Down
11:09	3131				ISIP
11:14	2356				5
11:19	2156				10