



# Laramie Energy

## End of Well Cement Report

---

Nichols 0994-24-01E 05-077-10406

S:24 T:9S R:94W Mesa CO

Quote #: 04484/04485

I Execution #: 02781/02904

---



# Laramie Energy

Attention: Mr. Aaron Duncan | (303) 339-4913 | [aduncan@laramie-energy.com](mailto:aduncan@laramie-energy.com)

Laramie Energy | 1401 17th St, Suite 1400 | Denver, CO 80202

---

Dear Mr. Duncan,

Thank you for the opportunity to provide cementing services on this well. BJ Services strives to achieve complete customer satisfaction. If you have any questions regarding the services or data provided, please contact BJ Services at any time.

Sincerely,

Gage Putnam  
Field Engineer I | (307) 887-4243 | [Gage.Putnam@BJServices.com](mailto:Gage.Putnam@BJServices.com)

Field Office 28730 US-6, Rifle, CO 81650  
Phone: (970) 632-2412

Sales Office 999 18th St. Suite 1200 Denver, CO 80202  
Phone: (281) 408-2361

---

# Cementing Treatment



<b>Start Date</b>	11/18/2017	<b>Well</b>	Nichols 0994-24-01E
<b>End Date</b>	2/28/2018	<b>County</b>	MESA
<b>Client</b>	LARAMIE ENERGY	<b>State/Province</b>	CO
<b>Client Field Rep</b>		<b>API</b>	05-077-10406
<b>Service Supervisor</b>		<b>Formation</b>	
<b>Field Ticket No.</b>	Surface	<b>Rig</b>	H&P 290
<b>District</b>	Rifle, CO	<b>Type of Job</b>	Surface

## WELL GEOMETRY

---

Type	ID (in)	OD (in)	Wt. (lb/ft)	MD (ft)	Excess(%)	Grade	Thread
Previous Casing	15.25	16.00	65.00	60.00	0.00		
Open Hole	11.00			1,568.00	75.00		
Casing	8.10	8.63	24.00	1,557.00		J-55	ST&C

**Shoe Length (ft):** 40

## HARDWARE

---

<b>Bottom Plug Used?</b>	No	<b>Tool Type</b>	Float Collar
<b>Top Plug Used?</b>	Yes	<b>Tool Depth (ft)</b>	1,514.00
<b>Top Plug Provided By</b>	Non BJ	<b>Max Casing Pressure - Rated (psi)</b>	2,950.00
<b>Top Plug Size</b>	8.625	<b>Max Casing Pressure - Operated (psi)</b>	2,000.00
<b>Centralizers Used</b>	Yes	<b>Pipe Movement</b>	None
<b>Centralizers Quantity</b>	5.00	<b>Job Pumped Through</b>	No Manifold
<b>Centralizers Type</b>	Bow	<b>Top Connection Thread</b>	8 RD
<b>Landing Collar Depth (ft)</b>	1,484	<b>Top Connection Size</b>	8.625

# Cementing Treatment



## CIRCULATION PRIOR TO JOB

Well Circulated By	Rig	Solids Present at End of Circulation	No
Circulation Prior to Job	No	10 sec SGS	
Circulation Time (min)	60.00	10 min SGS	
Circulation Rate (bpm)	7.00	30 min SGS	
Circulation Volume (bbls)	144.00	Flare Prior to/during the Cement Job	No
Lost Circulation Prior to Cement Job	No	Gas Present	No
Mud Density In (ppg)	9.00	Gas Units	
Mud Density Out (ppg)	9.10		
PV Mud In			
PV Mud Out	30		
YP Mud In			
YP Mud Out			

## TEMPERATURE

Ambient Temperature (°F)	6.00	Slurry Cement Temperature (°F)	60.00
Mix Water Temperature (°F)	50.00	Flow Line Temperature (°F)	

## BJ FLUID DETAILS

Fluid Type	Fluid Name	Density (ppg)	Yield (Cu Ft/sk)	H2O Req. (gals/sk)	Vol (sk)	Vol (Cu Ft)	Vol (bbls)
Spacer / Pre Flush / Flush	Fresh Water	8.3300					40.0000
Lead Slurry	S100-12	12.0000	2.5329	14.89	191	480.0000	85.5000
Tail Slurry	S100-12	12.5000	2.2282	12.62	107	237.0000	42.1000
Displacement Final	Water	8.3300				0.0000	96.0000

# Cementing Treatment



Fluid Type	Fluid Name	Component	Concentration	UOM
Lead Slurry	S100-12	CEMENT EXTENDER, SODIUM METASILICATE, A-2	2.0000	LBS/SK
Lead Slurry	S100-12	ACCELERATOR, SALT, CHLORIDE, CALCIUM, A- 7P, PELLETS	2.0000	LBS/SK
Lead Slurry	S100-12	CEMENT, ASTM TYPE III	100.0000	PCT
Lead Slurry	S100-12	CEMENT EXTENDER, GYPSUM, A-10	5.0000	BWOB
Lead Slurry	S100-12	IntegraSeal CELLO	0.1300	LBS/SK
Lead Slurry	S100-12	Foam Preventer, FP-25	0.3000	BWOB
Tail Slurry	S100-12	CEMENT, ASTM TYPE III	100.0000	PCT
Tail Slurry	S100-12	CEMENT EXTENDER, GYPSUM, A-10	5.0000	BWOB
Tail Slurry	S100-12	IntegraSeal CELLO	0.1300	LBS/SK
Tail Slurry	S100-12	CEMENT EXTENDER, SODIUM METASILICATE, A-2	2.0000	LBS/SK
Tail Slurry	S100-12	Foam Preventer, FP-25	0.3000	BWOB
Tail Slurry	S100-12	ACCELERATOR, SALT, CHLORIDE, CALCIUM, A- 7P, PELLETS	2.0000	LBS/SK

## TREATMENT SUMMARY

Time	Fluid	Rate (bpm)	Fluid Vol. (bbls)	Pipe Pressure (psi)	Annulus Pressure (psi)	Comments
1/17/2018 8:30 AM	Fresh Water	5.60	40.00	129.00		
1/17/2018 9:00 AM	S100-12	5.60	85.50	336.00		
1/17/2018 9:18 AM	S100-12	5.60	42.10	354.00		
1/17/2018 9:38 AM	Water	8.00	94.50	710.00		

	Min	Max	Avg
Pressure (psi)	0.00	2,000.00	400.00
Rate (bpm)	0.00	8.00	6.00

# Cementing Treatment



## DISPLACEMENT AND END OF JOB SUMMARY

---

Displaced By	BJ	Amount of Cement Returned/Reversed	45.00
Calculated Displacement Volume (bbls)	96.00	Method Used to Verify Returns	Visual
Actual Displacement Volume (bbls)	95.00	Amount of Spacer to Surface	40.00
Did Float Hold?	Yes	Pressure Left on Casing (psi)	0.00
Bump Plug	Yes	Amount Bled Back After Job	1.00
Bump Plug Pressure (psi)	2,000.00	Total Volume Pumped (bbls)	264.00
Were Returns Planned at Surface	Yes	Top Out Cement Spotted	No
Cement returns During Job	Full	Lost Circulation During Cement Job	No



Customer Name  
Well Name  
Job Type

Larmie  
Nichols 0994-24-01e  
Surface

District Rifle  
Supervisor Shaun Clark  
Engineer Matt settles

Seq No.	Start Date	Start Time	Category	Event	Equipment	Event ID	Density (lb/gal)	Pump Rate (bpm)	Pump Vol (bbls)	Pipe Pressure (psi)	Comments
1	1/17/2018	5:00	Mobilization	Callout							BJ CREW CALLED OUT WITH A RTS OF 07:00 PM 1-17-18
2	1/17/2018	4:45	Mobilization								JOURNEY MANAGEMENT WITH BJ CREW
3	1/17/2018	5:00	Mobilization	Leave Location		74					LEAVE DISTRICT
4	1/17/2018	6:45	Mobilization	Arrive on Location		48					ARRIVE ON LOCATION
5	1/17/2018	7:00	Operational								STEACS BREIFING WITH BJ CREW
6	1/17/2018	7:10	Operational	Spot Units		49					SPOT TRUCKS
7	1/17/2018	7:45	Operational	Rig Up		50					RIG UP ALL EQUIPMENT
9	1/17/2018	6:45	Operational	Prime Up		52					PIPE ON BOTTOM, RIG TO CIRCULATE
10	1/17/2018	7:45	Operational	Safety Meeting		53					SAFTEY MEETING WITH BJ CREW, COMPANY, AND RIG CREW
11	1/17/2018	8:00	Operational	Rig Up		50					RIG UP CEMENT HEAD TO CASING
12	1/17/2018	8:30	Operational	Start Pumping		55	8.34	2	5	130	BREAK CIRCULATION
13	1/17/2018	8:35	Operational	Pressure Test		54					TEST LINES 2000
14	1/17/2018	8:40	Operational	Pump Spacer		56	8.33	6	10	129	FRESH WATER SPACER
15	1/17/2018	8:45	Operational	Pump Spacer		56	10	6	40	135	FRESH WATER SPACER
17	1/17/2018	8:57	Operational	Pump Lead Cement		58					BATCH UP LEAD CEMENT @ 12.0 PPG ( 191 SXS Y- 2.53 MW- 14.89) 86 bbl
18	1/17/2018	9:00	Operational	Pump Lead Cement		58	12	5.6	86	339	LEAD CEMENT @ 12.0 PPG DOWNHOLE
19	1/17/2018	9:10	Operational	Pump Lead Cement		58	12	5.6		336	50 BBLS GONE LEAD SLURRY
20	1/17/2018	9:19	Operational	Pump Lead Cement		58	12	3.2		147	80 BBLS GONE LEAD SLURRY
25	1/17/2018	9:19	Operational	Pump Tail Cement		60	12.5		42		BATCH UP TAIL SLURRY @ 12.5 PPG (162 SXS Y- 2.22 MW-12.62)

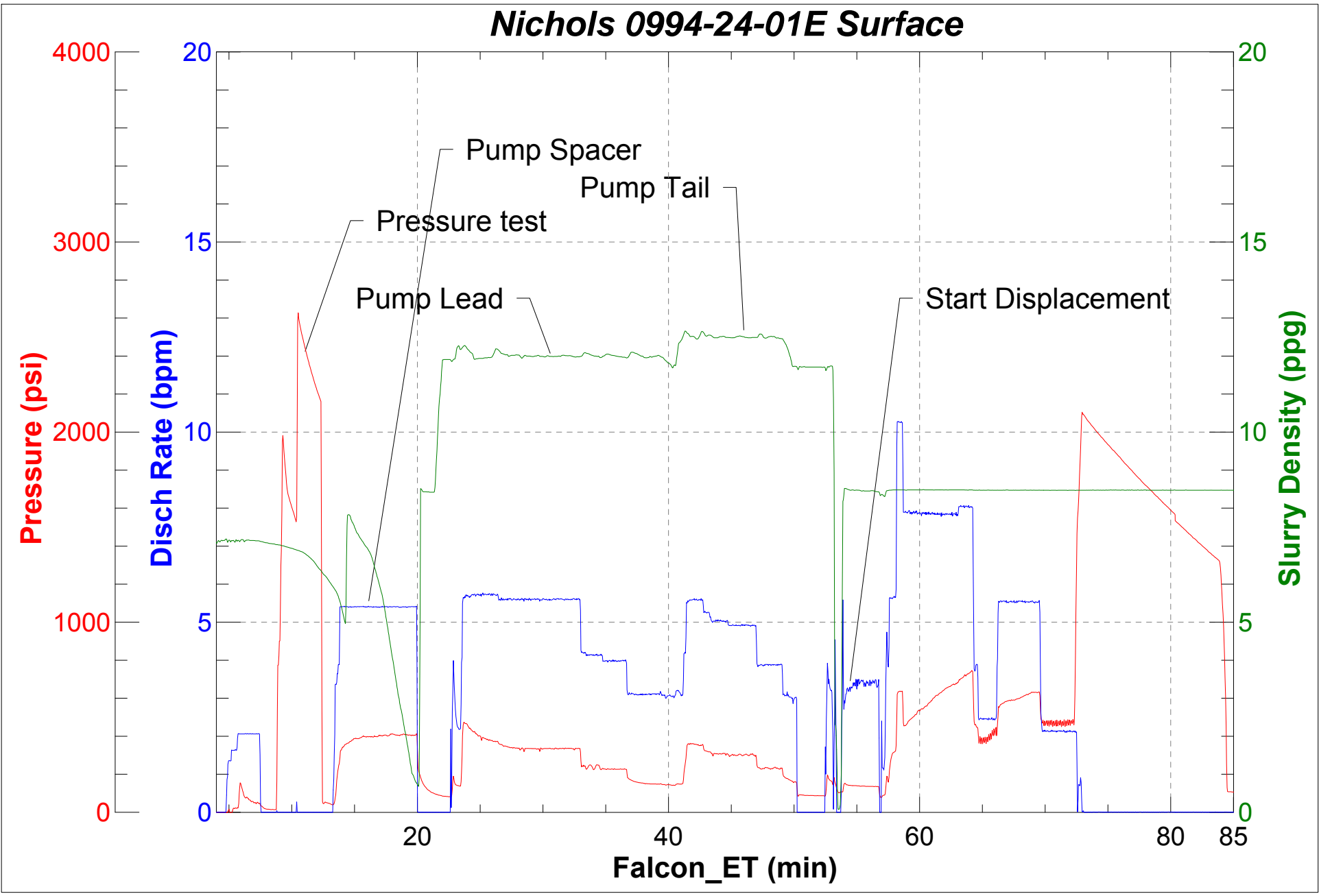


Customer Name Larmie  
 Well Name Nichols 0994-24-01e  
 Job Type Surface

District Rifle  
 Supervisor Shaun Clark  
 Engineer Matt settles

Seq No.	Start Date	Start Time	Category	Event	Equipment	Event ID	Density (lb/gal)	Pump Rate (bpm)	Pump Vol (bbls)	Pipe Pressure (psi)	Comments
26	1/17/2018	9:20	Operational	Pump Tail Cement		60	12.5	5.6		354	TAIL CEMENT @ 12.5 PPG 10 bbl
27	1/17/2018	9:27	Operational	Pump Tail Cement		60	12.5	3.9		236	DOWN HOLE
28	1/17/2018	9:31	Operational	Pump Displacement		64			96		40 BBLS GONE TAIL SLURRY
29	1/17/2018	9:32	Operational	Pump Displacement		64	12.5	6		250	DROP TOP PLUG START
30	1/17/2018	9:38	Operational	Pump Displacement		64	8.34	8		710	DISPLACEMENT
31	1/17/2018	9:45	Operational	Pump Displacement		64	8.34	5.5		576	2 BBLS @ 12.5 PPG ON TOP OF
32	1/17/2018	9:48	Operational	Pump Displacement		64	8.34	2		473	PLUG
33	1/17/2018	9:48	Operational	Pump Displacement		64	8.34	2	10	480	50 BBLS GONE DISPLACMENT
34	1/17/2018	9:50	Operational	Land Plug		67	8.34			2000	80 BBLS GONE DISPLACEMENT
35	1/17/2018	10:00	Operational	Check Floats		68					90 BBLS GONE DISPLACEMENT
54	1/17/2018	10:10	Operational	Safety Meeting		53					SLOW RATE TO BUMP PLUG
55	1/17/2018	10:30	Operational	Clean Pumps and Lines		62					95 BBL - BUMP PLUG 2000 PSI
56	1/17/2018	11:30	Operational	Safety Meeting		53					WAIT 10 MIN BLEED PRESSURE,
57	1/17/2018	11:35	Mobilization	Leave Location		74					CHECK FLOATS / 1 BBLS BACK
58	1/17/2018										RIG DOWN MEETING WITH BJ
59	1/17/2018										CREW
											START WASH UP OF PUMP AND RIG
											DOWN EQUIPMENT
											JOURNEY MANAGEMENT WITH BJ
											CREW
											LEAVE LOCATION
											FCP-480 PSI, BUMP PLUG- 2000 PSI,
											BLEED PRESSURE FLOATS HOLDING-
											1 BBLS





# Cementing Treatment



<b>Start Date</b>	1/20/2018	<b>Well</b>	Nichols 0994-24-01E
<b>End Date</b>	1/20/2018	<b>County</b>	MESA
<b>Client</b>	LARAMIE ENERGY	<b>State/Province</b>	CO
<b>Client Field Rep</b>	MATT SETTLES	<b>API</b>	05-077-10406
<b>Service Supervisor</b>	Shaun Clark	<b>Formation</b>	-
<b>Field Ticket No.</b>	Production	<b>Rig</b>	H&P 290
<b>District</b>	Rifle, CO	<b>Type of Job</b>	Long String

## WELL GEOMETRY

Type	ID (in)	OD (in)	Wt. (lb/ft)	MD (ft)	TVD (ft)	Excess(%)	Grade	Thread
Open Hole	8.88			7,928.00	7,928.00	10.00		
Casing	4.00	4.50	11.60	7,918.00	7,918.00		L-80	LT&C
Previous Casing	8.10	8.63	24.00	1,524.00	1,462.00		J-55	ST&C

**Shoe Length (ft):** 80

## HARDWARE

<b>Bottom Plug Used?</b>	Yes	<b>Tool Type</b>	Float Collar
<b>Bottom Plug Provided By</b>	Non BJ	<b>Tool Depth (ft)</b>	7,837.00
<b>Bottom Plug Size</b>	4.500	<b>Max Tubing Pressure - Rated (psi)</b>	-
<b>Top Plug Used?</b>	Yes	<b>Max Tubing Pressure - Operated (psi)</b>	-
<b>Top Plug Provided By</b>	Non BJ	<b>Max Casing Pressure - Rated (psi)</b>	6,048.00
<b>Top Plug Size</b>	4.500	<b>Max Casing Pressure - Operated (psi)</b>	5,000.00
<b>Centralizers Used</b>	No	<b>Pipe Movement</b>	None
<b>Centralizers Quantity</b>	143.00	<b>Job Pumped Through</b>	No Manifold
<b>Centralizers Type</b>	Bow	<b>Top Connection Thread</b>	8 RD
<b>Landing Collar Depth (ft)</b>	7,865	<b>Top Connection Size</b>	4.5

# Cementing Treatment



## CIRCULATION PRIOR TO JOB

Well Circulated By	Rig	Solids Present at End of Circulation	No
Circulation Prior to Job	No	10 sec SGS	
Circulation Time (min)	60.00	10 min SGS	44.00
Circulation Rate (bpm)	5.00	30 min SGS	67.00
Circulation Volume (bbls)	300.00	Flare Prior to/during the Cement Job	No
Lost Circulation Prior to Cement Job	No	Gas Present	No
Mud Density In (ppg)	9.50	Gas Units	0
Mud Density Out (ppg)	9.70		
PV Mud In	72		
PV Mud Out	72		
YP Mud In	48		
YP Mud Out	48		

## TEMPERATURE

Ambient Temperature (°F)	43.00	Slurry Cement Temperature (°F)	50.00
Mix Water Temperature (°F)	40.00	Flow Line Temperature (°F)	-

## BJ FLUID DETAILS

Fluid Type	Fluid Name	Density (ppg)	Yield (Cu Ft/sk)	H2O Req. (gals/sk)	Vol (sk)	Vol (Cu Ft)	Vol (bbls)
Spacer / Pre Flush / Flush	CD Spacer	11.0000					60.0000
Lead Slurry	P100-X2	12.7000	1.9775	11.11	841	1,659.0000	295.3000
Tail Slurry	P70-X1	13.5000	1.8511	9.33	393	727.0000	129.4000
Displacement Final	Freshwater with Clay Stabilizer	8.3300				0.0000	122.2000

# Cementing Treatment



Fluid Type	Fluid Name	Component	Concentration	UOM
Spacer / Pre Flush / Flush	CD Spacer	SAND, S-8, Silica Flour, 200 Mesh	179.9700	PPB
Spacer / Pre Flush / Flush	CD Spacer	R-6 LOW TEMP RETARDER 50 LB BAG BJS	1.4000	PPB
Spacer / Pre Flush / Flush	CD Spacer	GELLANT WATER, GW-86	0.8000	PPB
Lead Slurry	P100-X2	CEMENT, ASTM TYPE III	100.0000	PCT
Lead Slurry	P100-X2	BONDING AGENT, BA-60	0.3000	BWOB
Lead Slurry	P100-X2	GELLANT WATER, GW-86	0.1000	BWOB
Lead Slurry	P100-X2	R-6 LOW TEMP RETARDER 50 LB BAG BJS	0.5000	BWOB
Lead Slurry	P100-X2	DISPERSANT, CD-31	0.1000	BWOB
Lead Slurry	P100-X2	Foam Preventer, FP-25	0.3000	BWOB
Tail Slurry	P70-X1	CEMENT, CLASS G	70.0000	PCT
Tail Slurry	P70-X1	Flyash (Rockies)	20.0000	PCT
Tail Slurry	P70-X1	SAND, S-8, Silica Flour, 200 Mesh	25.0000	BWOB
Tail Slurry	P70-X1	EXTENDER, BENTONITE	6.0000	BWOB
Tail Slurry	P70-X1	Foam Preventer, FP-25	0.3000	BWOB
Tail Slurry	P70-X1	BONDING AGENT, BA-90	10.0000	PCT
Tail Slurry	P70-X1	FLUID LOSS, FL-24	0.4000	BWOB
Tail Slurry	P70-X1	R-6 LOW TEMP RETARDER 50 LB BAG BJS	0.2000	BWOB
Tail Slurry	P70-X1	BONDING AGENT, BA-60	0.2000	BWOB
Displacement Final	Freshwater with Clay Stabilizer	CLAY STABILIZER ResCare CS	0.0800	GPB

# Cementing Treatment



## TREATMENT SUMMARY

Time	Fluid	Rate (bpm)	Fluid Vol. (bbls)	Pipe Pressure (psi)
1/20/2018 10:00 AM	CD Spacer	5.60	60.00	280.00
1/20/2018 10:22 AM	P100-X2	5.60	295.30	318.00
1/20/2018 11:16 AM	P70-X1	5.70	129.40	447.00
1/20/2018 12:08 AM	Freshwater with Clay Stabilizer	8.00	122.20	1,800.00

	Min	Max	Avg
Pressure (psi)	0.00	5,000.00	500.00
Rate (bpm)	0.00	8.00	6.00

## DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	BJ	Amount of Cement Returned/Reversed	0.00
Calculated Displacement Volume (bbls)	121.60	Method Used to Verify Returns	Visual
Actual Displacement Volume (bbls)	122.00	Amount of Spacer to Surface	40.00
Did Float Hold?	Yes	Pressure Left on Casing (psi)	0.00
Bump Plug	Yes	Amount Bled Back After Job	1.50
Bump Plug Pressure (psi)	2,500.00	Total Volume Pumped (bbls)	606.00
Were Returns Planned at Surface	Yes	Top Out Cement Spotted	No
Cement returns During Job	None	Lost Circulation During Cement Job	No



Customer Name  
Well Name  
Job Type

LARAMIE ENERGY  
NICHOLS 0994-24-01E  
Long String

District Rifle  
Supervisor SHAUN CLARK  
Engineer GAGE PUTNAM

Seq No.	Start Date	Start Time	Category	Event	Equipment	Density (lb/gal)	Pump Rate (bpm)	Pump Vol (bbls)	Pipe Pressure (psi)	Comments
1	1/20/2018	5:00	Mobilization	Callout						BJ CREW CALLED OUT WITH A RTS OF 09:00AM
2	1/20/2018	5:50	Mobilization							JOURNEY MANAGEMENT WITH BJ CREW
3	1/20/2018	6:00	Mobilization	Leave Location						LEAVE DISTRICT
4	1/20/2018	7:45	Mobilization	Arrive on Location						ARRIVE ON LOCATION
5	1/20/2018	7:50	Operational							STEACS BRIEFING WITH BJ CREW
6	1/20/2018	8:00	Operational	Spot Units						SPOT TRUCKS
7	1/20/2018	9:00	Operational	Rig Up						RIG UP ALL EQUIPMENT
9	1/20/2018	9:00	Operational	Prime Up						PIPE ON BOTTOM, RIG TO CIRCULATE
10	1/20/2018	9:30	Operational	Safety Meeting						SAFETY MEETING WITH BJ CREW, COMPANY, AND RIG CREW
11	1/20/2018	9:40	Operational	Rig Up						RIG UP CEMENT HEAD TO CASING
12	1/20/2018	9:50	Operational	Start Pumping		8.34	2	5	52	BREAK CIRCULATION
13	1/20/2018	9:56	Operational	Pressure Test						TEST LINES 5000
14	1/20/2018	10:08	Operational	Pump Spacer		8.34		60		WEIGHTED SPACER 11PPG
		10:09	Operational	Pump Spacer			5	10	280	10 BBL SPCR AWAY
		10:20	Operational	Pump Spacer			2.6	60	52	60 BBL SPCR AWAY
17	1/20/2018	10:22	Operational	Pump Lead Cement				296		BATCH UP LEAD CEMENT @ 12.7 PPG ( 841 SXS Y- 1.97 MW- 11.11)
18	1/20/2018	10:24	Operational	Pump Lead Cement		12.7	5.7	10	280	LEAD CEMENT @ 12.7 PPG DOWNHOLE
19	1/20/2018	10:34	Operational	Pump Lead Cement		12.7	5.7	50	318	50 BBLs GONE LEAD SLURRY
20	1/20/2018	10:40	Operational	Pump Lead Cement		12.7	5.7	100	320	100 BBLs GONE LEAD SLURRY
21	1/20/2018	10:50	Operational	Pump Lead Cement		12.7	5.7	150	325	150 BBLs GONE LEAD SLURRY
22	1/20/2018	11:00	Operational	Pump Lead Cement		12.7	5.7	200	328	200 BBLs GONE LEAD SLURRY
23	1/20/2018	11:07	Operational	Pump Lead Cement		12.7	4.2	250	196	250 BBLs GONE LEAD SLURRY
24	1/20/2018	11:18	Operational	Pump Lead Cement		12.7	2.8	290	95	290 BBLs GONE LEAD SLURRY
25	1/20/2018	11:19	Operational	Pump Tail Cement		13.5		130		BATCH UP TAIL SLURRY @ 13.5 PPG ( 393 SXS Y- 1.85 MW-9.33)
26	1/20/2018	11:20	Operational	Pump Tail Cement		13.5	4.2	2	234	TAIL CEMENT @ 13.5 PPG DOWN HOLE
27	1/20/2018	11:33	Operational	Pump Tail Cement		13.5	4.2	50	274	50 BBLs GONE TAIL SLURRY
	1/20/2018	11:40	Operational	Pump Tail Cement		13.5	5.7	100	447	100 BBLs GONE TAIL SLURRY
	1/20/2018	11:47	Operational	Pump Tail Cement		13.5	5.7	130	295	130 BBL GONE TAIL SLURRY
28	1/20/2018		Operational	Pump Displacement						DROP TOP PLUG/ WASH LINES
29	1/20/2018	12:08	Operational	Pump Displacement		8.34	4	122	299	START DISPLACEMENT
30	1/20/2018	12:14	Operational	Pump Displacement		8.34	8	50	800	50 BBLs GONE DISPLACEMENT
31	1/20/2018	12:21	Operational	Pump Displacement		8.34	8	100	1259	100 BBLs GONE DISPLACEMENT
32	1/20/2018	12:23	Operational	Pump Displacement		8.34	3	120	1800	120 BBLs GONE DISPLACEMENT
33	1/20/2018	12:25	Operational	Pump Displacement		8.34	3	120	1800	SLOW RATE TO BUMP PLUG
34	1/20/2018	12:25	Operational	Land Plug		8.34	3	122	2500	BUMP PLUG 2500 PSI
35	1/20/2018	12:35	Operational	Check Floats						HOLD 10 MIN / CASING TEST
	1/20/2018		Operational	Cement Back to Surface						40 SPCR TO SURFACE
53	1/20/2018	12:36	Operational	End Pumping						BLEED PRESSURE / FLOATS HOLDING 1.5 BBL BK
54	1/20/2018	12:40	Operational	Safety Meeting						RIG DOWN MEETING WITH BJ CREW
55	1/20/2018	12:50	Operational	Clean Pumps and Lines						START WASH UP OF PUMP AND RIG DOWN EQUIPMENT
56	1/20/2018	13:40	Operational	Safety Meeting						JOURNEY MANAGEMENT WITH BJ CREW
57	1/20/2018	13:45	Mobilization	Leave Location						LEAVE LOCATION
58										



Customer Name LARAMIE ENERGY  
Well Name NICHOLS 0994-24-01E  
Job Type Long String

District Rifle  
Supervisor SHAUN CLARK  
Engineer GAGE PUTNAM

Seq No.	Start Date	Start Time	Category	Event	Equipment	Density (lb/gal)	Pump Rate (bpm)	Pump Vol (bbls)	Pipe Pressure (psi)	Comments
59										FCP-1800 PSI, BUMP PLUG-2500 PSI, hold 10 min for casing test
60										BLEED PRESSURE FLOATS HOLDING- 1.5 BBLS BK
61										40 BBL SPACER TO SURFACE
										CALCULATED CEMENT TOPS- LEAD - 0' TAIL- 2369

