



Laramie Energy

End of Well Cement Report

Nichols 0994-24-13E 05-077-10396

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

Quote #: 08369/08370

I Execution #: 04921/05028



Laramie Energy

Attention: Mr. Aaron Duncan | (303) 339-4913 | 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

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



Start Date	3/21/2018	Well	Nichols 0994-24-13E
End Date	3/21/2018	County	MESA
Client	LARAMIE ENERGY	State/Province	CO
Client Field Rep	Matt Settles	API	05-077-10396
Service Supervisor	Javier Castillo	Formation	-
Field Ticket No.	Surface	Rig	H&P 290
District	Rifle, CO	Type of Job	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			1,566.00	75.00		
Casing	8.02	8.63	28.00	1,560.00		J-55	ST&C

Shoe Length (ft): 48

HARDWARE

Bottom Plug Used?	Yes	Tool Type	Float Collar
Bottom Plug Provided By	Non BJ	Tool Depth (ft)	1,512.00
Bottom Plug Size	8.625	Max Tubing Pressure - Rated (psi)	-
Top Plug Used?	Yes	Max Tubing Pressure - Operated (psi)	-
Top Plug Provided By	Non BJ	Max Casing Pressure - Rated (psi)	3,390.00
Top Plug Size	8.625	Max Casing Pressure - Operated (psi)	2,712.00
Centralizers Used	Yes	Pipe Movement	None
Centralizers Quantity	18.00	Job Pumped Through	Manifold
Centralizers Type	Bow	Top Connection Thread	8RD
Landing Collar Depth (ft)	1,512	Top Connection Size	8.625

Cementing Treatment



CIRCULATION PRIOR TO JOB

Well Circulated By	Rig	Solids Present at End of Circulation	No
Circulation Prior to Job	Yes	10 sec SGS	3.00
Circulation Time (min)	15.00	10 min SGS	5.00
Circulation Rate (bpm)	7.00	30 min SGS	8.00
Circulation Volume (bbls)	105.00	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)	-		
PV Mud In	11		
PV Mud Out	-		
YP Mud In	11		
YP Mud Out	-		

TEMPERATURE

Ambient Temperature (°F)	40.00	Slurry Cement Temperature (°F)	85.00
Mix Water Temperature (°F)	70.00	Flow Line Temperature (°F)	118.00

Cementing Treatment



BJ FLUID DETAILS

Fluid Type	Fluid Name	Density (ppg)	Yield (Cu Ft/sk)	H2O Req. (gals/sk)	Planned Top of Fluid (Ft)	Length (Ft)	Vol (sk)	Vol (Cu Ft)	Vol (bbls)
Spacer / Pre Flush / Flush	Fresh Water	8.3300			0.00				40.0000
Lead Slurry	BJCem S100.3.01D	12.0000	2.5329	14.89	0.00	1,024.00	191	481.0000	86.0000
Tail Slurry	BJCem S100.3.01D	12.5000	2.2282	12.62	1,024.00	500.00	107	237.0000	42.1000
Displacement Final	Water	8.3300			0.00			0.0000	94.0000

Fluid Type	Fluid Name	Component	Concentration	UOM
Lead Slurry	BJCem S100.3.01D	CEMENT EXTENDER, GYPSUM, A-10	5.0000	BWOB
Lead Slurry	BJCem S100.3.01D	ACCELERATOR, SALT, CHLORIDE, CALCIUM, A-7P, PELLETS	2.0000	LBS/SK
Lead Slurry	BJCem S100.3.01D	CEMENT, ASTM TYPE III	100.0000	PCT
Lead Slurry	BJCem S100.3.01D	Foam Preventer, FP-25	0.3000	BWOB
Lead Slurry	BJCem S100.3.01D	IntegraSeal CELLO	0.1300	LBS/SK
Lead Slurry	BJCem S100.3.01D	CEMENT EXTENDER, SODIUM METASILICATE A-2 ANHYDROUS	2.0000	LBS/SK
Tail Slurry	BJCem S100.3.01D	ACCELERATOR, SALT, CHLORIDE, CALCIUM, A-7P, PELLETS	2.0000	LBS/SK
Tail Slurry	BJCem S100.3.01D	CEMENT EXTENDER, GYPSUM, A-10	5.0000	BWOB
Tail Slurry	BJCem S100.3.01D	Foam Preventer, FP-25	0.3000	BWOB
Tail Slurry	BJCem S100.3.01D	CEMENT, ASTM TYPE III	100.0000	PCT
Tail Slurry	BJCem S100.3.01D	CEMENT EXTENDER, SODIUM METASILICATE A-2 ANHYDROUS	2.0000	LBS/SK
Tail Slurry	BJCem S100.3.01D	IntegraSeal CELLO	0.1300	LBS/SK

Cementing Treatment



TREATMENT SUMMARY

Time	Fluid	Rate (bpm)	Fluid Vol. (bbls)	Pipe Pressure (psi)	Comments
3/21/2018 10:12 PM	Fresh Water	0.00	40.00	251.00	SPACER
3/21/2018 10:21 PM	BJCem S100.3.01D	0.00	86.00	307.00	LEAD CMT
3/21/2018 10:36 PM	BJCem S100.3.01D	0.00	42.00	353.00	TAIL CMT
3/21/2018 10:48 PM	Water	0.00	94.00	803.00	DISPLACEMENT

	Min	Max	Avg
Pressure (psi)	90.00	3,000.00	310.00
Rate (bpm)	5.00	6.00	5.50

DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	BJ	Amount of Cement Returned/Reversed	35.00
Calculated Displacement Volume (bbls)	94.00	Method Used to Verify Returns	Visual
Actual Displacement Volume (bbls)	94.00	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	0.50
Bump Plug Pressure (psi)	308.00	Total Volume Pumped (bbls)	263.00
Were Returns Planned at Surface	Yes	Top Out Cement Spotted	No
Cement returns During Job	Full	Lost Circulation During Cement Job	No

Customer Name LARAMIE District RIFLE
 Well Name NICHOLS 24-13E Supervisor JAVIER CASTILLO
 Job Type SURFACE Engineer GAGE PUTNAM



Seq No.	Start Date	Start Time	Event	Equipment	Density (lb/gal)	Pump Rate (bpm)	Pump Vol (bbbls)	Pipe Pressure (psi)	Comments
1	3/21/2018	15:30	YARD CALL						ON LOCATION AT 19:00HRS
2	3/21/2018	15:50	MEETING						STEACS JOURNEY MANAGEMENT MEETING WITH BJ CREW
3	3/21/2018	16:00	LEAVE YARD						LEAVE YARD
4	3/21/2018	17:45	ON LOCATION						ARRIVE ON LOCATION, RIG SETTING UP TO RUN CASING
5	3/21/2018	17:50	MEETING						STEACS RIG UP SAFETY MEETING
6	3/21/2018	17:55	RIG UP						TARP AND HEAT CMT PUMP, RIG UP IRON/HOSES
7	3/21/2018	18:30	CASING						RIG STARTED RUNNING CASING
8	3/21/2018	19:00	RIG UP						RIG UP COMPLETE TILL RIG IS DONE RUNNING CASING
9	3/21/2018	21:15	LAND CASING						RIG LANDED CASING
10	3/21/2018	21:30	MEETING						PRE-JOB SAFETY MEETING WITH RIG CREW
11	3/21/2018	21:55	FILL LINES		8.34	2	5	90	DROP BOTTOM PLUG, FILL LINES
12	3/21/2018	21:57	TEST LINES					3000	PRESSURE TEST PUMPING LINES
13	3/21/2018	22:12	SPACER		8.34	5.5	35	251	FRESH WATER SPACER
14	3/21/2018	22:21	LEAD CEMENT		12	5	86	307	LEAD CEMENT, 191SKS/86BBLS AT 12.0PPG, 2.53YIELD, 14:89GAL/SK
15	3/21/2018	22:36	TAIL CEMENT		12.5	5.5	42	353	TAIL CEMENT, 107SKS/42BBLS AT 12.5PPG, 2.22YIELD, 12.62GAL/SK
16	3/21/2018	22:44	SHUTDOWN						DROP TOP PLUG
17	3/21/2018	22:48	DISPLACEMENT		8.34	6	84	803	FRESH WATER DISPLACEMENT
18	3/21/2018	23:01	SLOW RATE		8.34	2.5	10	631	SLOW RATE
19	3/21/2018	23:07	BUMP PLUG					1600	LAND TOP PLUG, BRING PSI UP TO 1600 PSI TO TEST CASING
20	3/21/2018	23:17	RELEASE PSI						RELEASE PSI, CHECK FLOATS, FLOATS HELD, 0.5BBLS FLOW BACK
21	3/21/2018	23:25	MEETING						RIG DOWN SAFETY MEETING
22	3/21/2018	23:30	RIG DOWN						PICKLE PUMP AND RIG DOWN BJ EQUIPMENT
23	3/22/2018	0:45	RIG DOWN						RIG DOWN COMPLETE
24	3/22/2018	0:50	MEETING						AAR JOURNEY MANAGEMENT MEETING
25	3/22/2018	1:00	LEAVE LOCATION						BJ CREW LEAVE LOCATION
26	3/22/2018	1:01							CALCULATED TOP OF TAIL 699 FT, 358BLS CEMENT TO SURFACE
27	3/22/2018	1:02							FULL RETURNS THROUGH OUT JOB
									THANK YOU FOR YOUR BUSINESS FROM JAVIER AND CREW



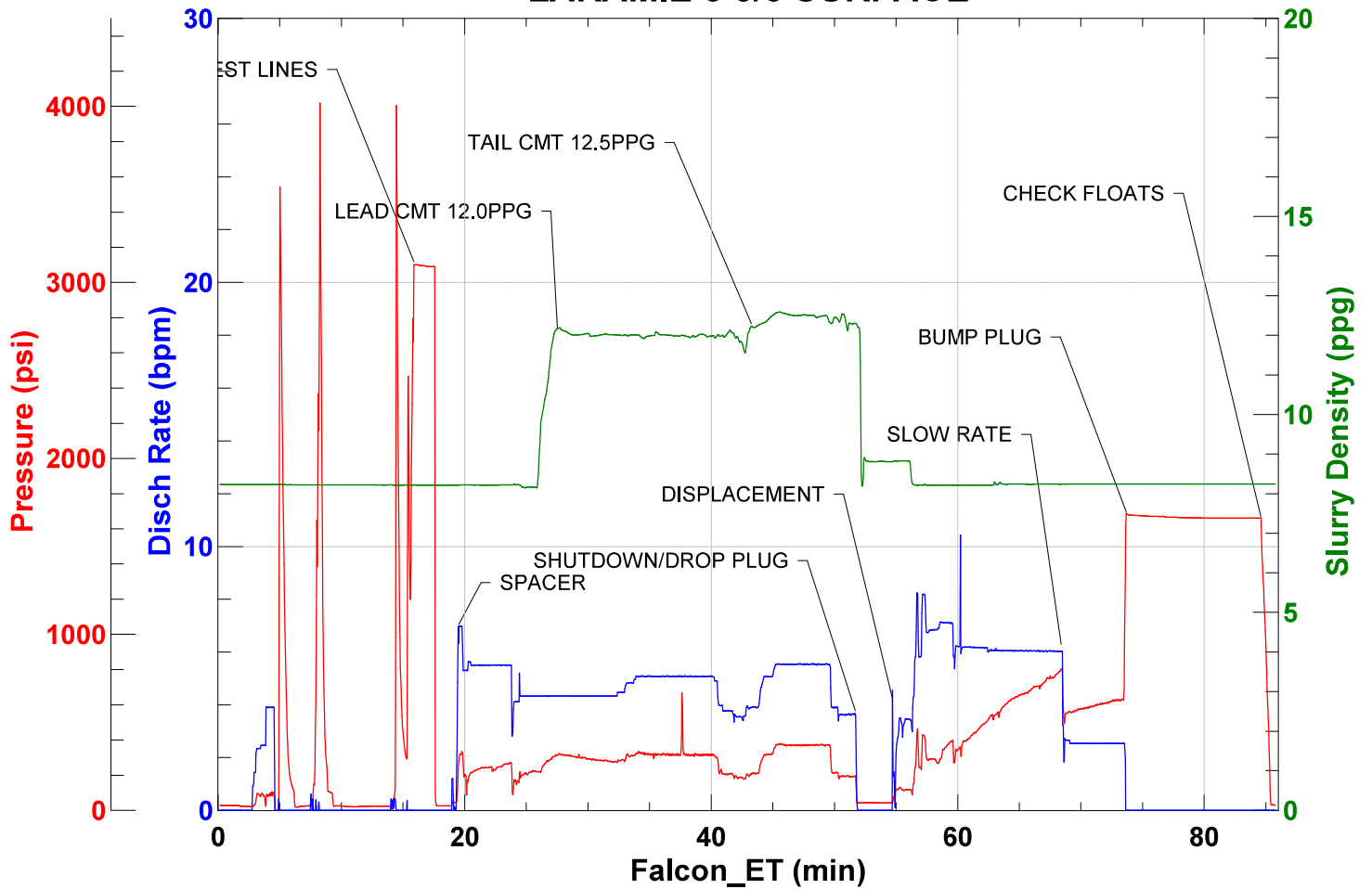
JobMaster Program Version 4.02C1

Job Number: 4053

Customer: LARAMIE

Well Name: NICHOLS 24-13E

LARAMIE 8 5/8 SURFACE



Cementing Treatment



Start Date	3/24/2018	Well	Nichols 0994-24-13E
End Date	3/24/2018	County	MESA
Client	LARAMIE ENERGY	State/Province	CO
Client Field Rep	Matt Settles	API	05-077-10396
Service Supervisor	Andrew Linn	Formation	
Field Ticket No.	Production	Rig	H&P 290
District	Rifle, CO	Type of Job	Long String

WELL GEOMETRY

Type	ID (in)	OD (in)	Wt. (lb/ft)	MD (ft)	Excess(%)	Grade	Thread
Previous Casing	8.10	8.63	24.00	1,524.00		J-55	ST&C
Open Hole	8.88			7,655.00	10.00		
Casing	4.00	4.50	11.60	7,645.00		L-80	LT&C

Shoe Length (ft): 80

HARDWARE

Bottom Plug Used?	Yes	Tool Type	Float Collar
Bottom Plug Provided By	Non BJ	Tool Depth (ft)	7,558.00
Bottom Plug Size	4.500	Pipe Movement	None
Top Plug Used?	Yes	Job Pumped Through	Manifold
Top Plug Provided By	Non BJ	Top Connection Thread	8 RND.
Top Plug Size	4.500	Top Connection Size	4.5
Centralizers Used	Yes		
Centralizers Quantity	97.00		
Centralizers Type	Bow		
Landing Collar Depth (ft)	7,622		

Cementing Treatment



CIRCULATION PRIOR TO JOB

Well Circulated By	Rig	Solids Present at End of Circulation	No
Circulation Prior to Job	Yes	10 sec SGS	3.00
Circulation Time (min)	90.00	10 min SGS	5.00
Circulation Rate (bpm)	8.00	30 min SGS	8.00
Circulation Volume (bbls)	720.00	Flare Prior to/during the Cement Job	No
Lost Circulation Prior to Cement Job	No	Gas Present	No
Mud Density In (ppg)	9.30	Gas Units	0
Mud Density Out (ppg)	9.30		
PV Mud In	11		
PV Mud Out	11		
YP Mud In	11		
YP Mud Out	11		

TEMPERATURE

Ambient Temperature (°F)	42.00	Slurry Cement Temperature (°F)	52.30
Mix Water Temperature (°F)	51.50	Flow Line Temperature (°F)	118.00

BJ FLUID DETAILS

Fluid Type	Fluid Name	Density (ppg)	Yield (Cu Ft/sk)	H2O Req. (gals/sk)	Planned Top of Fluid (Ft)	Length (Ft)	Vol (sk)	Vol (Cu Ft)	Vol (bbls)
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	11.0000			0.00				60.0000
Lead Slurry	BJCem P100.3.01R	12.7000	1.9791	11.12	1,024.00	4,628.00	860	1,573.0000	280.1000
Tail Slurry	BJCem P70.6.01R	13.5000	1.8512	9.35	5,652.00	2,050.00	393	727.0000	129.4000
Displacement Final	Water + ResCare +Biocide	8.3300			0.00			0.0000	118.4000

Cementing Treatment



Fluid Type	Fluid Name	Component	Concentration	UOM
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	SAND, S-8, Silica Flour, 200 Mesh	168.8967	PPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	RETARDER, R-3	1.4000	PPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	RETARDER, R-7C	0.3000	PPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	EXTENDER, BENTONITE	10.0000	PPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	GELLANT WATER, GW-86	0.8000	PPB
Lead Slurry	BJCem P100.3.01R	BONDING AGENT, BA-60	0.3000	BWOB
Lead Slurry	BJCem P100.3.01R	Foam Preventer, FP-25	0.3000	BWOB
Lead Slurry	BJCem P100.3.01R	RETARDER, R-3	0.5000	BWOB
Lead Slurry	BJCem P100.3.01R	CEMENT, ASTM TYPE III	100.0000	PCT
Lead Slurry	BJCem P100.3.01R	DISPERSANT, CD-31	0.1000	BWOB
Lead Slurry	BJCem P100.3.01R	GELLANT WATER, GW-86	0.1000	BWOB
Tail Slurry	BJCem P70.6.01R	FLUID LOSS, FL-24	0.4000	BWOB
Tail Slurry	BJCem P70.6.01R	BONDING AGENT, BA-60	0.2000	BWOB
Tail Slurry	BJCem P70.6.01R	CEMENT, CLASS G	70.0000	PCT
Tail Slurry	BJCem P70.6.01R	Flyash (Rockies)	20.0000	PCT
Tail Slurry	BJCem P70.6.01R	SAND, S-8, Silica Flour, 200 Mesh	25.0000	BWOB
Tail Slurry	BJCem P70.6.01R	EXTENDER, BENTONITE	6.0000	BWOB
Tail Slurry	BJCem P70.6.01R	Foam Preventer, FP-25	0.3000	BWOB
Tail Slurry	BJCem P70.6.01R	BONDING AGENT, BA-90	10.0000	PCT
Tail Slurry	BJCem P70.6.01R	RETARDER, R-3	0.2000	BWOB
Displacement Final	Water + ResCare +Biocide	CLAY STABILIZER ResCare CS	0.0800	GPB

TREATMENT SUMMARY

Time	Fluid	Rate (bpm)	Fluid Vol. (bbls)	Pipe Pressure (psi)	Annulus Pressure (psi)	Comments
3/24/2018 10:08 AM	IntegraGuard EZ Spacer	3.00	60.00	340.00		
3/24/2018 10:38 AM	BJCem P100.3.01R	5.00	303.27	462.00		
3/24/2018 11:43 AM	BJCem P70.6.01R	4.50	129.49	342.00		
3/24/2018 12:23 PM	Water + ResCare +Biocide	10.00	117.16	807.00		

Cementing Treatment



	Min	Max	Avg
Pressure (psi)	201.00	2,406.00	449.00
Rate (bpm)	2.00	10.00	5.00

DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	BJ	Amount of Cement Returned/Reversed	0.00
Calculated Displacement Volume (bbls)	117.16	Method Used to Verify Returns	Visual
Actual Displacement Volume (bbls)	117.00	Amount of Spacer to Surface	30.00
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)	2,406.00	Total Volume Pumped (bbls)	582.00
Were Returns Planned at Surface	Yes	Top Out Cement Spotted	No
Cement returns During Job	Full	Lost Circulation During Cement Job	No

Customer Name LARAMIE
Well Name NICHOLS 24-13E
Job Type Long String

District Rifle
Supervisor ANDREW LINN
Engineer ZEN KEITH



Seq No.	Start Date	Start Time	Event	Density (lb/gal)	Pump Rate (bpm)	Pump Vol (bbls)	Pipe Pressure (psi)	Comments
1	3/23/2018	21:00	CALL OUT					CALL OUT. ON LOCATION TIME OF 09:00 3/24/2018
2	3/24/2018	5:02	STEACS					PRE CONVOY SAFETY MEETING
3	3/24/2018	5:17	DEPART RIFLE YARD					DEPART FROM RIFLE YARD FOR H&P 290
4	3/24/2018	7:44	ARRIVE ON LOCATION					ARRIVE ON LOCATION. RIG WAS RUNNING CASING
5	3/24/2018	7:48	SITE ASSESSMENT					CREW DID A SITE ASSESSMENT
6	3/24/2018	7:55	SPOT EQUIPMENT					SPOTTED IN EQUIPMENT
7	3/24/2018	8:02	STEACS					PRE RIG UP SAFETY MEETING WITH ALL BJ CEMENT CREW
8	3/24/2018	8:12	RIG UP					RIG UP ALL GROUND EQUIPMENT
9	3/24/2018	9:32	SAFETY MEETING					PRE JOB SAFETY MEETING WITH RIG CREW AND ALL BJ CEMENT CREW
10	3/24/2018	9:44	RIG UP					LOAD BOTH PLUGS IN PLUG CONTAINER, STAB PLUG CONTAINER, HOOK LINES TO PLUG CONTAINER.
11	3/24/2018	10:00	FILL LINES	8.33				COLLAR ON LANDING JOINT LEAKED.
12	3/24/2018	10:05	FILL LINES	8.33				COLLAR ON LANDING JOINT LEAKED.
13	3/24/2018	10:08	FILL LINES	8.33	2	5	268	FILL LINES WITH 5 BBLS. OF FRESH WATER
14	3/24/2018	10:12	PRESSURE TEST				6321	PRESSURE TEST TO 6321 PSI.
15	3/24/2018	12:16	DROP PLUG					DROP BOTTOM PLUG
16	3/24/2018	10:18	WEIGHTED SPACER	11	3	5	340	11 PPG. WEIGHTED SPACER.
17	3/24/2018	10:32	WEIGHTED SPACER	11	5	40	512	11 PPG WEIGHTED SPACER
18	3/24/2018	10:33	WEIGHTED SPACER	11	5	50	460	11 PPG. WEIGHTED SPACER
19	3/24/2018	10:37	WEIGHTED SPACER	11	5	66.4	359	FINISHED PUMPING 11 PPG. WEIGHTED SPACER WITH 66.4 BBLS AWAY.
20	3/24/2018	10:38	LEAD CEMENT	12.7	5	5	462	LEAD CEMENT 12.7 PPG 860 SKS 1.98 CUFT/SK 11.12 GAL/SK FOR A TOTAL OF 303.27 BBLS OF LEAD CEMENT, REQUIRING 227.7 BBLS. OF WATER. WEIGHT VERIFIED WITH MUD SCALE.
21	3/24/2018	10:45	LEAD CEMENT	12.7	5	50	449	PUMPED LEAD CEMENT
22	3/24/2018	10:56	LEAD CEMENT	12.7	5	100	444	PUMPED LEAD CEMENT
23	3/24/2018	11:02	LEAD CEMENT	12.7	5	150	575	PUMPED LEAD CEMENT
24	3/24/2018	11:15	LEAD CEMENT	12.7	5	200	455	PUMPED LEAD CEMENT
25	3/24/2018	11:24	LEAD CEMENT	12.7	5	250	417	PUMPED LEAD CEMENT
26	3/24/2018	11:27	LEAD CEMENT	12.7	4.5	265	313	PUMPED LEAD CEMENT
27	3/24/2018	11:36	LEAD CEMENT	12.7	3.5	300	201	PUMPED LEAD CEMENT
28	3/24/2018	11:41	LEAD CEMENT	12.7	3.5	321.2	346	FINISHED PUMPING LEAD CEMENT WITH 321.2 BBLS. AWAY.
29	3/24/2018	11:43	TAIL CEMENT	13.5	4.5	5	342	TAIL CEMENT 13.5 PPG. 393 SKS 1.85 CUFT/SK 9.35 GAL/SK FOR A TOTAL OF 129.49 BBLS OF TAIL CEMENT, REQUIRING 87.5 BBLS. OF WATER. WEIGHT VERIFIED WITH MUD SCALE.
30	3/24/2018	11:52	TAIL CEMENT	13.5	4.5	50	437	PUMPED TAIL CEMENT
31	3/24/2018	12:04	TAIL CEMENT	13.5	4.5	100	456	PUMPED TAIL CEMENT
32	3/24/2018	12:09	TAIL CEMENT	13.5	3.5	120	262	PUMPED TAIL CEMENT
33	3/24/2018	12:14	TAIL CEMENT	13.5	3.5	138.3	247	FINISHED PUMPING TAIL CEMENT WITH 138.3 BBLS. AWAY.
34	3/24/2018	12:14	SHUT DOWN					SHUT DOWN
35	3/24/2018	12:15	WASH PUMPS AND LINES					WASH PUMPS AND LINES TO CELLAR
36	3/24/2018	12:21	DROP PLUG					DROP TOP PLUG VERIFIED BY COMPANY MAN
37	3/24/2018	12:23	DISPLACEMENT	8.33	10	10	807	FRESH WATER DISPLACEMENT WITH 10 GALS OF RESCARE AND 5 GALS OF BACTIRIACIDE
38	3/24/2018	12:27	DISPLACEMENT	8.33	9.5	50	1927	FRESH WATER DISPLACEMENT WITH 10 GALS. OF RESCARE
39	3/24/2018	12:28	DISPLACEMENT	8.33	9	60	2002	FRESH WATER DISPLACEMENT WITH 10 GALS. OF RESCARE
40	3/24/2018	12:31	DISPLACEMENT	8.33	8	80	2202	FRESH WATER DISPLACEMENT WITH 10 GALS. OF RESCARE
41	3/24/2018	17:33	SPACER TO SURFACE					30 BBLS OF WEIGHTED SPACER TO SURFACE
42	3/24/2018	12:34	DISPLACEMENT	8.33	8	100	2514	FRESH WATER DISPLACEMENT WITH 10 GALS. OF RESCARE
43	3/24/2018	12:34	DISPLACEMENT	8.33	8	107	2628	FRESH WATER DISPLACEMENT WITH 10 GALS. OF RESCARE. SLOWED TO 7 BBLS./MIN AFTER LOOSING C SIDE DECK MOTOR
44	3/24/2018	12:35	DISPLACEMENT	8.33	4	108	2034	FRESH WATER DISPLACEMENT WITH 10 GALS. OF RESCARE
45	3/24/2018	12:38	DISPLACEMENT	8.33	4	117	2406	FRESH WATER DISPLACEMENT WITH 10 GALS. OF RESCARE
46	3/24/2018	12:38	LAND PLUG				2406	LANDED THE PLUG FINAL CIRCULATING PRESSURE WAS 2406 PSI. TOOK TO 3606 PSI.
47	3/24/2018	12:38	CASING TEST					10 MIN CASING TEST AT 3606 PSI.
48	3/24/2018	12:49	CHECK FLOATS					CHECK FLOATS, FLOATS HELD 1 1/2 BBLS. BACK.
49	3/24/2018	12:52	SAFETY MEETING					PRE RIG DOWN SAFETY MEETING WITH RIG CREW
50	3/24/2018	12:58	RIG DOWN					RIG DOWN RIG FLOOR
51	3/24/2018	12:58	WASH PUMPS AND LINES					WASH PUMPS AND LINES TO CELLAR

Customer Name LARAMIE
 Well Name NICHOLS 24-13E
 Job Type Long String

District Rifle
 Supervisor ANDREW LINN
 Engineer ZEN KEITH



Seq No.	Start Date	Start Time	Event	Density (lb/gal)	Pump Rate (bpm)	Pump Vol (bbls)	Pipe Pressure (psi)	Comments
52	3/24/2018	13:22	SAFETY MEETING					PRE RIG DOWN SAFETY MEETING WITH ALL BJ SERVICES CEMENT CREW
53	3/24/2018	13:28	RIG DOWN					RIG DOWN ALL EQUIPMENT.
54	3/24/2018	13:55	AAR					AFTER ACTION REVIEW
55	3/24/2018	14:03	STEACS					PRE CONVOY SAFETY MEETING
56	3/24/2018	14:15	DEPART FROM LOCATION					DEPART FROM LOCATION FOR RIFLE YARD. THANK YOU FOR USING BJ SERVICES, ANDREW LINN AND CREW.



JobMaster Program Version 4.02C1
Job Number: 4135
Customer: LARAMIE
Well Name: NICHOLS 24-13E

