



Noble Energy, Inc.  
1600 Broadway St.  
Denver, CO 80202

P.O. Box 1979, Farmington, NM 87499  
(505) 325-2627

Name: BOULTER 11-01  
API:05-123-11460,  
Rig #10

## Well Plugging Report

### Work Detail

Start	Stop	PUX	Activity
05:30 AM	06:30 AM	P	Load equipment and supplies, drove to location.
06:30 AM	08:00 AM	P	Prep all equipment for rig move, waited on approval.
08:00 AM	08:30 AM	P	Moved dog house and pusher trailer. HSM and JSA.
08:30 AM	09:00 AM	P	Moved rig 10 and pump truck 214.
09:00 AM	10:00 AM	P	Moved and spotted Base Beam and water tank. Spotted and level out rig 10. Check well head pressures SITP 1150#, SICP 1150#, SIBHP 0#.
10:00 AM	11:00 AM	P	Rig up pulling and pump units. Perform Start Well form.
11:00 AM	12:00 PM	P	Unload and rig up hard lines and pump hoses. Rig up ground cable and test with ohm meter.
12:00 PM	12:30 PM	P	Function test BOP and pressure test blinds, good test.
12:30 PM	01:30 PM	P	Spot in waste pit and dirty tank, finish rigging up hard lines.
01:30 PM	02:30 PM	P	Rig up Return line to well, control well with choke. BOP began to leak attempted to fix. SIW.
02:30 PM	05:00 PM	U	Hinge seal on BOP washed out. Nipple down stripping head and spacer spool. Remove all bolts and fittings on BOP. Waited on new BOP. Install bolts and fittings on new BOP. Nipple up BOP and stripping head on stump.
05:00 PM	05:30 PM	P	Function test new BOP, pressure test blinds, good test.
05:30 PM	06:00 PM	P	Clean and secure location, SDFD.
06:00 PM	07:00 PM	P	Travel from location to A plus yard (Eaton, CO.)

\* P - Procedure Planned; U - Unplanned A+ issue; X - COA, Well Conditions

### Crew:

Title	Name	Hours	Vehicle
Supervisor:	Chavira JR, Pedro	13.50	
Operator:	Lucatorto, Michael	13.50	
Derrick:	Lara, Aldo	13.50	
Floor Hand:	Gallegos, Matt	13.50	
Floor Hand:	Gonzalez, Juan	13.50	

### On Site Reps:

Name	Association	Notes
Rick Sheets	Co. Rep.	on location



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Rig #10

## Well Plugging Report

### Cement Summary

Plug #1 - (Above CIBP) Pick up dump bail 2 sxs 2.3 cuft 0.04 slurry 15.8 ppg class "G" cement from 6666'Kb to 6640'KB TOC.

### Work Detail

Start	Stop	PUX	Activity
05:30 AM	06:30 AM	P	Load equipment and supplies, travel to location.
06:30 AM	07:00 AM	P	HSM and JSA, perform daily check list, check ground cables with ohm meter.
07:00 AM	07:30 AM	P	Check well head pressures, SITP 1150#, SICP 1150#, SIBHP 0#.
07:30 AM	08:00 PM	P	Control well with choke. Rig up pump unit to tubing and bleed off hose to casing.
08:00 AM	09:00 AM	P	Bullhead 30 BBLs down tubing and 140 BBLs down casing.
09:00 AM	10:00 AM	P	Nipple down well head, strip on flange and BOP.
10:00 AM	11:00 AM	P	Rig up work floor and tubing equipment and prep for pressure test.
11:00 AM	11:30 AM	P	Pressure test piperams , good test.
11:30 AM	01:30 PM	P	Trip out of hole, tally out with 69 stands lay down 83 joints on trailer. Nipple down stripping head and studs.
01:30 PM	02:00 PM	P	Install x/o studs, pickup and nipple up lubricator flange.
02:00 PM	03:00 PM	P	Rig up KLX wire line. Pick up and RIH with CIBP and set from 6666' KB to 6667'KB. Pull out of hole and lay down setting tool.
03:00 PM	04:00 PM	P	Plug #1 (Above CIBP) Pick up dump bail 2 sxs 2.3 cuft 0.04 slurry 15.8 ppg class "G" cement from 6666'Kb to 6640'KB TOC. Pull out of hole lay down dump bailer.
04:00 PM	04:30 PM	P	Rig up pump unit to casing top load well with 80 BBLs, pressure test to 500#, good test.
04:30 PM	05:30 PM	P	Pick up perf guns and shoot 2 set of 6 (0.72") squeeze holes from 4504'Kb to 4505'KB and from 3859'KB to 3960'KB. Pull out of hole rig down KLX wire line. Nipple down lubricator flange and x/o studs. Nipple up stripping head.
05:30 PM	06:00 PM	P	SIW, clean and secure location, SDFD.
06:00 PM	07:00 PM	P	Travel from location to A plus yard (Eaton, CO.)

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Rig #10

## Well Plugging Report

### Cement Summary

Pump Truck 214 - Pedro Chavira stayed to make sure Murphy switch the mechanics installed worked.

### Work Detail

Start	Stop	PUX	Activity
05:30 AM	06:30 AM	P	Load equipment and supplies, travel to location.
06:30 AM	07:00 AM	P	HSM and JSA, perform daily check list, check ground cables with ohm meter.
07:00 AM	07:30 AM	P	Check well head pressures, SICP, 520#, SIBHP 0#.
07:30 AM	08:00 AM	P	Rig up pump unit to casing, control well.
08:00 AM	09:00 AM	P	Pick up 4-1/2" CICR and trip in 69 stands, pick up 1 joint. Set CICR @ 4404' KB.
09:00 AM	11:30 AM	P	Rig up pump unit to tubing, attempt to pressure test, no test. Rig down pump hose SIW, wait on hydro tester.
11:30 AM	03:00 PM	X	Rig up hydro tester and equipment. Hydro test work string while pulling stands out if hole. Stand back 41 stands, rest of work string no good. Rig down hydro tester. Lay down 57 joints on trailer.
03:00 PM	04:00 PM	P	Trip in hole with 41 stands and lay down 82 joints on trailer.
04:00 PM	04:30 PM	P	SIW, clean and secure location, SDFD.
04:30 PM	05:00 PM	P	Swap out tubing trailers.
05:00 PM	06:00 PM	P	Travel from location to A plus yard (Eaton, CO.)

\* P - Procedure Planned; U - Unplanned A+ issue; X - COA, Well Conditions

### Crew:

Title	Name	Hours	Vehicle
Supervisor:	Chavira JR, Pedro	13.50	
Operator:	Lucatorto, Michael	13.00	
Derrick:	Lara, Aldo	13.00	
Floor Hand:	Gallegos, Matt	13.00	
Floor Hand:	Gonzalez, Juan	13.00	
Floor Hand:	Olivas, Alexander	13.00	

### On Site Reps:

Name	Association	Notes
Rick Sheets	Co. Rep.	on location



Worked on Thursday, 10/03/2019



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P.O. Box 1979, Farmington, NM 87499  
(505) 325-2627

Name: BOULTER 11-01  
API:05-123-11460, Rig #10

## Well Plugging Report

### Work Detail

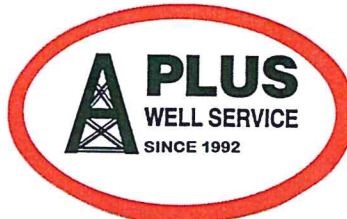
Start	Stop	PUX	Activity
05:30 AM	06:30 AM	P	Load equipment and supplies, travel to location.
06:30 AM	07:00 AM	P	HSM and JSA, perform daily check list, check ground cables with ohm meter.
07:00 AM	07:30 AM	P	Check well head pressures, SICP 0#, SIBHP 0#. Rig up bleed off line open well.
07:30 AM	09:30 AM	P	Trip in hole, screw on stinger and tally and pick up 134 joints off trailer.
09:30 AM	10:00 AM	P	Rig up pump unit tubing and return line to casing, pressure test tubing, good test.
10:00 AM	10:30 AM	P	Establish circulation, pump 40 BBLs ahead of cement plug.
10:30 AM	11:30 AM	P	Mix and pump 210 sxs 241.5 cuft 43.01 slurry 15.8 ppg class "G" cement from 4504'KB to 4275' TOC. 190 sxs outside 4-1/2" casing (estimated TOC @ 3859'KB), 10 sxs below CICR, 10 sxs above CICR. 15.1 BBLs before sting out, 2 BBLs after sting out. (7.3ph)
11:30 AM	01:00 PM	P	Trip out of hole with 36 stands, lay down 62 joints on trailer, remove stinger. Top load well with 7 BBLs.
01:00 PM	01:30 PM	P	Nipple down stripping head and remove studs, screw on x/o studs nipple up lubricator flange.
01:30 PM	02:30 PM	P	Rig up KLX wire line, pick up and RIH with perf guns. Shoot 2 sets of 6 (0.72") squeeze holes from 2500'KB to 2501'KB and from 2000'KB to 2001'KB. Pull out of hole, lay down perf guns and rig down KLX wire line.
02:30 PM	04:00 PM	X	Pick up 4-1/2" CICR and trip in hole with 9 stands well kicked, install TIW, closed BOP, and boomer and chain on work string to control well. Let it unload, pump 10 BBLs until free of gas, remove all well controlling equipment used, open BOP. Trip in hole with 2 stands well kicked control well with TIW, closed BOP, and boomer and chain on work string. Let well unload into gas buster tank.
04:00 PM	05:00 PM	P	Remove all controlling equipment, open BOP. Trip in hole with 25 stands and pick up 1 single. Set CICR @ 2400'KB. Rig up pump unit to tubing return line to casing, pressure test tubing, good test.
05:00 PM	05:30 PM	P	Pump and establish circulation, pump 30 BBLs ahead of plug.
05:30 PM	06:00 PM	P	SIW, clean and secure location, SDFD.
06:00 PM	07:00 PM	P	Travel from location to A plus yard (Eaton, CO.)

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### Comments

Job	Comment
Plug #2	Mix and pump 210 sxs 241.5 cuft 43.01 slurry 15.8 ppg class "G" cement from 4504'KB to 4275' TOC. 190 sxs outside 4-1/2" casing (estimated TOC

Worked on Friday, 10/04/2019



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Rig #10

## Well Plugging Report

### Cement Summary

Plug #3 - Mix and pump 165 sxs 189.75 cuft 33.79 slurry 15.8 ppg class "G" cement from 2500'KB to 2271' TOC. 145 sxs outside 4-1/2" casing (estimated TOC @ 2000'KB), 10 sxs below CICR, 10 sxs above CICR. 7.3 BBLs before sting out, 2 BBLs after sting out. (7.3ph)

### Work Detail

Start	Stop	PUX	Activity
05:30 AM	06:30 AM	P	Load equipment and supplies, travel to location.
06:30 AM	07:00 AM	P	HSM and JSA, perform daily check list, check ground cables with ohm meter.
07:00 AM	07:30 AM	P	Check well head pressures, SICP 0#, SIBHP 0#. Rig up bleed off line open well. Pump 10 BBLs ahead of cement plug.
07:30 AM	08:30 AM	P	Plug #3 Mix and pump 165 sxs 189.75 cuft 33.79 slurry 15.8 ppg class "G" cement from 2500'KB to 2271' TOC. 145 sxs outside 4-1/2" casing (estimated TOC @ 2000'KB), 10 sxs below CICR, 10 sxs above CICR. 7.3 BBLs before sting out, 2 BBLs after sting out. (7.3ph)
08:30 AM	09:30 AM	P	Trip out of hole, stand back 15 stands, lay down 47 joints on trailer.
09:30 AM	10:00 AM	P	SIW, monitor for pressure build up, wait on orders. Top load hole with 6 BBLs.
10:00 AM	11:00 AM	P	Nipple down stripping head and remove studs. Install x/o studs and nipple up lubricator flange. Rig up KLX wire line. Pick up and RIH with jet cutter, jet cut casing @ 860'KB. Pull out of hole lay down jet cutter. Rig down KLX wire line.
11:00 AM	12:00 PM	P	Rig up pump unit to casing and return line to surface. Pump and circulate 100 BBLs until clean returns.
12:00 PM	01:00 PM	P	Rig down all tubing equipment and work floor. Change out pipe rams.
01:00 PM	02:00 PM	P	Nipple down well head, unland 4-1/2" casing, strip on casing head and BOP. Nipple up BOP.
02:00 PM	03:00 PM	P	Rig up Work floor and pick up casing tongs, rig up lay down line to winch truck.
03:00 PM	04:00 PM	P	Lay down 21 joints of 4-1/2" casing on trailer. Rig down lay down line. Rig down and rack back tongs and casing equipment.
04:00 PM	05:00 PM	P	Change out pipe rams and rig up tubing equipment. Top load hole. SIW, clean and secure location, SDFD.
05:00 PM	06:00 PM	P	Travel from location to A plus yard and unload all casing equipment.

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Worked on Monday, 10/07/2019



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Name: BOULTER 11-01  
API:05-123-11460,  
Rig #10

## Well Plugging Report

### Cement Summary

Plug #4 - (Base Plug #1) Mix and pump 120 sxs 138 cuft 24.57 slurry 15.8 ppg class "G" cement from 860'KB to 560' TOC. (7.3ph)

### Work Detail

Start	Stop	PUX	Activity
05:30 AM	06:30 AM	P	Load equipment and supplies, travel to location.
06:30 AM	07:00 AM	P	HSM and JSA, perform daily check list, check ground cables with ohm meter.
07:00 AM	07:30 AM	P	Check well head pressures. SICP 000, SIBHP 000. Rig up bleed off line to casing, open well.
07:30 AM	08:30 AM	P	Load hole with 6 BBLs, monitor for pressure or bubbles. Bubbles present. Wait on engineer for orders.
08:30 AM	09:00 AM	P	Trip in hole with 13 stands, rig up pump unit to tubing and return line to casing. Pump 20 BBLs ahead of cement plug.
09:00 AM	10:00 AM	P	Plug #4 (Base Plug #1) Mix and pump 120 sxs 138 cuft 24.57 slurry 15.8 ppg class "G" cement from 860'KB to 560' TOC. (7.3ph)
10:00 AM	11:00 AM	P	Stand back 5 stands in derrick. Rig up pump unit to casing and return line to tubing, reverse circulate 20 BBLs until clean returns.
11:00 AM	11:30 AM	P	Rig down pump hoses. Lay down 16 joints on trailer, top load well 1 BBL. Monitor well for pressure build up.
11:30 AM	12:30 PM	P	Built up 30# in one hour. Bled off pressure.
12:30 PM	01:30 PM	P	SIW, Clean and secure location, winterize hoses and equipment.
01:30 PM	03:30 PM	P	Worked on pump truck, tore apart pump end. Cleaned and inspected all parts. Replaced faulty valves, put pump back together.
03:30 PM	04:00 PM	P	SDFD, Put away all hand tools and equipment used to work on pump truck.
04:00 PM	05:00 PM	P	Travel from location to A plus yard (Eaton, CO.)

\* P - Procedure Planned; U - Unplanned A+ issue; X - COA, Well Conditions

### Crew:

Title	Name	Hours	Vehicle
Supervisor:	Chavira JR, Pedro	11.50	
Operator:	Lucatorto, Michael	11.50	
Derrick:	Lara, Aldo	11.50	
Floor Hand:	Espino Paez, Juan	11.50	
Floor Hand:	Gonzalez, Juan	11.50	
Floor Hand:	Meza, Juan	11.50	
Floor Hand:	Olivas, Alexander	11.50	



Worked on Tuesday, 10/08/2019



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Name: BOULTER 11-01  
API:05-123-11460,  
Rig #10

## Well Plugging Report

### Cement Summary

Plug #5 - (Base Plug #2) Mix and pump 105 sxs 130.2 cuft 23.18 slurry 1.24 yield 4.77 lbs/gal 15.8 ppg class "SPECIAL NOBLE BLEND" (Schlumberger) from 647'KB to 352'KB TOC. (7.3 ph)

### Work Detail

Start	Stop	PUX	Activity
05:30 AM	06:30 AM	P	Load equipment and supplies, travel to location.
06:30 AM	07:00 AM	P	HSM and JSA, perform daily check list, check ground cables with ohm meter.
07:00 AM	07:30 AM	P	Check well head pressures. SICP 3#, SIBHP 0#. Rig up bleed off line to casing, open well.
07:30 AM	08:00 AM	P	Top load well 2 BBLs. monitor for bubbles, wait on orders.
08:00 AM	09:00 AM	P	Trip in hole with 7 stands, tag up @ 450'KB, lay down 1 joint. Pick up 2 subs (8' and 10'), Rig up pump unit to tubing and return hose to casing.
09:00 AM	10:30 AM	P	Pump 45 BBLs, until clean returns, SIW monitor for pressure build up. Bubbles present.
10:30 AM	11:30 AM	P	Worked string up down broke through bridge. Pick up 6 joints off trailer, tag TOC 647'KB.
11:30 AM	12:30 PM	P	Rig up pump unit to tubing and return line to casing. Pump 50 BBLs ahead of cement plug.
12:30 PM	01:30 PM	P	Monitor for pressure build up and bubbles, wait on approval from state.
01:30 PM	02:00 PM	P	Pump 5 BBLs to ensure circulation and prep equipment to pump cement.
02:00 PM	03:00 PM	P	Plug #5 (Base Plug #2) Mix and pump 105 sxs 130.2 cuft 23.18 slurry 1.24 yield 4.77 lbs/gal 15.8 ppg class "SPECIAL NOBLE BLEND" (Schlumberger) from 647'KB to 352'KB TOC. (7.3 ph)
03:00 PM	04:00 PM	P	Lay down 6 joints, 2 subs and 1 joint on trailer. Rig up pump unit and reverse circulate 8 BBLs, until clean returns. Stand back remaining stands in derrick.
04:00 PM	05:00 PM	P	Load well, SIW, winterize equipment. Clean and secure location, SDFD.
05:00 PM	06:00 PM		Travel from location to A plus yard (Eaton, CO.)

\* P - Procedure Planned; U - Unplanned A+ issue; X - COA, Well Conditions

### Crew:

Title	Name	Hours	Vehicle
Supervisor:	Chavira JR, Pedro	12.50	
Operator:	Espino Paez, Juan	12.50	
Derrick:	Lara, Aldo	12.50	
Floor Hand:	Gonzalez, Juan	12.50	
Floor Hand:	Meza, Juan	12.50	
Floor Hand:	Olivas, Alexander	12.50	

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**Well Plugging Report****Work Detail**

Start	Stop	PUX	Activity
05:30 AM	06:30 AM	P	Load equipment and supplies, travel to location.
06:30 AM	07:00 AM	P	HSM and JSA, perform daily check list, check ground cables with ohm meter.
07:00 AM	08:00 AM	P	Check well head pressures SIBHP 0#. Rig up bleed off line to casing, open well. Check and monitor for Bubbles, non-present.
08:00 AM	08:30 AM	P	Trip in hole, pick up 13 joints, tag TOC @ 407'KB. Rig up pump unit to tubing and return hose to casing. Pump 1 BBL to establish circulation. Pump 5 BBLs ahead of cement.
08:30 AM	09:30 AM	P	Plug #6 (Surface) Mix and pump 227 sxs 261.05 cuft 46.49 slurry 1.15 yield 5.0 lbs/gal 15.8 ppg class "G" from 407'KB to 0'KB TOC. (7.3 ph) W/ 2% Calcium Chloride.
09:30 AM	10:00 AM	P	Trip out the hole with tubing.
10:00 AM	10:30 AM	P	Wash and rig down work floor/ tubing equipment.
10:30 AM	11:00 AM	P	Wash and ND BOP/Flange. Screw on cap and SIW.
11:00 AM	12:00 PM	P	RD Pulling and Pumping units.
12:00 PM	01:00 PM	P	Break down, load and secured bleed off line. Pre-trip and secured equipment for rig move.

\* P - Procedure Planned; U - Unplanned A+ issue; X - COA, Well Conditions

**Comments**

Job	Comment
Plug #6	(Surface) Mix and pump 227 sxs 261.05 cuft 46.49 slurry 1.15 yield 5.0 lbs/gal 15.8 ppg class "G" from 407'KB to 0'KB TOC. (7.3 ph) W/ 2% Calcium Chloride.

**Crew:**

Title	Name	Hours	Vehicle
Supervisor:	Lozano, Alvaro	7.50	38 - Crew PU
Operator:	Espino Paez, Juan	7.50	35 - Crew PU
Derrick:	Lara, Aldo	7.50	
Floor Hand:	Gonzalez, Juan	7.50	
Floor Hand:	Lucatorto, Michael	7.50	
Floor Hand:	Olivas, Alexander	7.50	
Floor Hand:	Meza, Juan	7.50	43 - Crew PU