



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

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

Name: BUTTERBALL D19-22D
API:05-123-34171
Rig #12

Well Plugging Report

Work Detail

Start	Stop	PUX	Activity
05:30 AM	06:30 AM	P	Load supplies and equipment, travel to location.
06:30 AM	07:30 AM	P	HSM, JSA, Start and warm up equipment, pre-trip equipment.
07:30 AM	09:00 AM	P	Move rig and equipment to new location.
09:00 AM	09:30 AM	P	Spot in rig and equipment.
09:30 AM	10:30 AM	P	Rig up service unit.
10:30 AM	11:30 AM	P	RU pump truck and all hard line.
11:30 AM	12:00 PM	P	Check pressure on well, SICP=0#, SITP=0#, SIBHP=59#, Check and test ground cables with OHM meter.
12:00 PM	12:30 PM	P	Pressure test BOP. Tested blind rams low side, attempted to test high side, would not hold.
12:30 PM	02:00 PM	U	Replaced blind ram rubbers. Attempted to test again and it would not hold.
02:00 PM	03:00 PM	U	Wait on BOP.
03:00 PM	04:30 PM	U	Swapped out BOP.
04:30 PM	05:00 PM	P	Drain and winterize equipment.
05:00 PM	05:30 PM	P	Secure well and rig, clean location.
05:30 PM	06:30 PM	P	Crew travel.

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

Comments

Job **Comment**

Crew:

Title	Name	Hours	Vehicle
Supervisor:	Graciano, Jose	13	20 - Crew PU
Operator:	Munoz-Salas, Aron	13	28 - Crew PU
Derrick:	Barraza, Luis	13	
Floor Hand:	Archuleta, Philip	13	93 - Crew PU
Floor Hand:	Wyrum, Russell	13	
Floor Hand:	Castellon, Romeo	13	

On Site Reps:

Name	Association	Notes
Pete Burns	Co. Rep.	on location

Equipment:

Gas Buster #
Dalbo500 bbl tank #
base beam V 097
Heater H-261
pump truck # 365
G- PAD 12
Doghouse # DH-E
Pusher Trailer # P-182
Hard Line Trailer # P-116

Tubing Float #



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06:30 AM	07:30 AM	P	HSM, JSA, Start and warm up equipment.
07:30 AM	08:00 AM	P	Check pressures on well, SICP=0#, SITB=0#, SIBHP=29#, Check and test ground cables with OHM meter.
08:00 AM	09:30 AM	P	Pressure test BOP.
09:30 AM	10:30 AM	P	ND WH, NU BOP, RU work floor and tubing equipment.
10:30 AM	11:00 AM	P	Pressure test hanger against pipe rams.
11:00 AM	02:00 PM	P	P.O.O.H, Stand back 27 stands of 2 3/8" tbg and LD 136 jts of 2 3/8" tbg on float.
02:00 PM	04:30 PM	P	HSM, JSA, Spot in and RU A-PLUS wire line, RIH w/ 4 1/2" CIBP and set @ 4115', P.O.O.H, LD setting tool, RIH w/ bailer, Dump 2 sxs class G cement 15.8 ppg, 1.15 yield 2.3 cu/ft, 0.4 bbl slurry, 7.8 PH, From 4115' – 4089' ETOC. Load hole w/ 12 bbls fresh water, RIH w/ perf gun and shoot holes @ 1780', P.O.O.H, LD perf gun, Stablish injection rate, RIH w/perf gun and shoot holes @ 1550', P.O.O.H, LD gun, RD wire line.
04:30 PM	05:00 PM	P	Drain and winterize equipment.
05:00 PM	05:30 PM	P	Secure well and rig, clean location.
05:30 PM	06:30 PM	P	Crew travel.

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Comments

Job Comment

Plug # 1. (Sussex) RIH w/ 4 ½" CIBP and set @ 4115', P.O.O.H, LD setting tool, RIH w/ bailer, Dump 2 sxs class G cement 15.8 ppg, 1.15 yield 2.3 cu/ft, 0.4 bbl slurry, 7.8 PH, From 4115' – 4089' ETOC.

Crew:

Title	Name	Hours	Vehicle
Supervisor:	Graciano, Jose	13	20 - Crew PU
Operator:	Munoz-Salas, Aron	13	28 - Crew PU
Derrick:	Barraza, Luis	13	
Floor Hand:	Archuleta, Philip	13	93 - Crew PU
Floor Hand:	Wyrum, Russell		
Floor Hand:	Castellon, Romeo	13	

On Site Reps:

Name	Association	Notes
Pete Burns	Co. Rep.	on location

Equipment:

- Gas Buster # 423
- Dalbo500 bbl tank # 421
- base beam V 097
- Heater H-261
- pump truck # 365
- G- PAD 12
- Doghouse # DH-E
- Pusher Trailer # P-182
- Hard Line Trailer # P-116

Tubing Float # 140

Waste pit # 675



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06:30 AM	07:30 AM	P	HSM, JSA, Start and warm up equipment.
07:30 AM	08:00 AM	P	Check pressures on well, SICP=0#, SITB=0#, SIBHP=83#, Check and test ground cables with OHM meter.
08:00 AM	08:30 AM	P	RIH w/ tubing set CICR, 27 stands of 2 3/8" tbg and a 4 ft sub and set @ 1680', establish circulation, pumped 10 bbls chem wash.
08:30 AM	09:30 AM	P	Plug # 2. (courtesy) Mixed and pumped 90 sxs class G cement, (70 sxs inside 9" x 4 1/2"), (10 sxs below CR inside 4 1/2"), (10 sxs above CR inside 4 1/2"), 10.71 bbl mixed, 18.43 bbl slurry, 5.99 bbl displaced, 103.5 cu/ft, 15.8 ppg, 1.15 yield, 7.8 PH, From 1680' – 1548' ETOC.
09:30 AM	10:00 AM	P	P.O.O.H, LD 6 jts of 2 3/8" tbg on float, reverse circulate w/ 15 bbls fresh water, LD 8 more jts of 2 3/8" and stood back 20 stands of 2 3/8" tbg on derrick.
10:00 AM	11:00 PM	P	HSM, JSA, RU A-PLUS wire line RIH w/ 4 1/2" jet cutter and cut production casing @ 1284', P.O.O.H, LD Tool and RD wire line.
11 :00 PM	12:00 PM	P	Circulate and condition hole w/ 130 bbls fresh water.
12:00 PM	01:30 PM	p	RD work floor and tubing equipment, ND BOP, ND WH, Unland 4 1/2" production casing , NU casing well head, NU BOP, RU work floor and casing equipment.
01:30 PM	03:00 PM	p	P.O.O.H, LD 30 jts of 4 1/2" casing on float, RD casing equipment and RU tubing equipment.
03:00 PM	03:30 PM	P	RIH w/20 stands of 2 3/8" tbg.
03:30 PM	04:00 PM	P	Drain and winterize equipment.
04:00 PM	04:30 PM	P	Secure well and rig, clean location.
04:30 PM	05:30 PM	P	Crew travel.

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Comments

Job Comment

Plug # 2. (courtesy) Mixed and pumped 90 sxs class G cement, (70 sxs inside 9" x 4 1/2"), (10 sxs below CR inside 4 1/2"), (10 sxs above CR inside 4 1/2"), 10.71 bbl mixed, 18.43 bbl slurry, 5.99 bbl displaced, 103.5 cu/ft, 15.8 ppg, 1.15 yield, 7.8 PH, From 1680' – 1548' ETOC.

Crew:

Title	Name	Hours	Vehicle
Supervisor:	Graciano, Jose	12	20 - Crew PU
Operator:	Munoz-Salas, Aron	12	28 - Crew PU
Derrick:	Barraza, Luis	12	
Floor Hand:	Archuleta, Philip	12	93 - Crew PU
Floor Hand:	Wyrum, Russell	12	
Floor Hand:	Castellon, Romeo	12	

On Site Reps:

Name	Association	Notes
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06:30 AM	07:30 AM	P	HSM, JSA, Start and warm up equipment.
07:30 AM	08:00 AM	P	Check pressures on well, SICP=0#, SITB=0#, SIBHP=0#, Check and test ground cables with OHM meter.
08:00 AM	08:30 AM	P	Load hole and perform flow check, PU 1 jts and a 10 ft sub of 2 3/8" tbg, to 1284', Stablish circulation, pumped 10 bbls chem wash.
08:30 AM	09:00 AM	P	Plug #3. (Balanced plug) Mixed and pumped 120 sxs class G cement w/2% CC,(120 sxs inside 9" OH), 14.29 bbls mixed, 24.57 bbls slurry, 3.76 bbls displaced, 138 cu/ft, 15.8 ppg, 1.15 yield, 7.8 PH, From 1284' – 972' ETOC.
09:00 AM	10:00 AM	P	P.O.O.H, LD 11 jts of 2 3/8" tbg, reverse circulate w/ 10 bbls fresh water, stood back 15 stands on derrick.
10:00 AM	10:30 AM	P	Drain and winterize equipment.
10:30 AM	11:00 AM	P	Secure well and rig, clean location.
11:00 AM	01:30 PM	P	Work on A-PLUS equipment.
01:30 PM	02:30 PM	P	Crew travel.

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Plug #3. (Balanced plug) Mixed and pumped 120 sxs class G cement, w/2% CC (120 sxs inside 9" OH), 14.29 bbls mixed, 24.57 bbls slurry, 3.76 bbls displaced, 138 cu/ft, 15.8 ppg, 1.15 yield, 7.8 PH, From 1284' – 972' ETOC.

Crew:

Title	Name	Hours	Vehicle
Supervisor:	Graciano, Jose	9	20 - Crew PU
Operator:	Munoz-Salas, Aron	9	28 - Crew PU
Derrick:	Barraza, Luis	9	
Floor Hand:	Archuleta, Philip	9	93 - Crew PU
Floor Hand:	Wyrum, Russell	9	
Floor Hand:	Castellon, Romeo	9	

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06:30 AM	07:30 AM	P	HSM, JSA, Start and warm up equipment.
07:30 AM	08:00 AM	P	Check pressures on well, SICP=0#, SITB=0#, SIBHP=0#, Check and test ground cables with OHM meter.
08:00 AM	08:30 AM	P	Load hole and perform flow check
08:30 AM	09:00 AM	P	RIH w/ 15 stands and picked up 1 jt of 2 3/8" tbg from float tagged TOC @ 960', LD 1 jt and PU 2 12ft subs of 2 3/8" tbg, Stablish circulation and pump 10 bbls chem wash.
09:00 AM	10:30 AM	P	Plug # 4. (surface plug) Mixed and pump 370 sxs class G cement, 44 bbls mixed, 75.78 bbls slurry, 425.5 cu/ft, 15.8 ppg, 1.15 yield, 7.8 PH, From 960' – surface.
10:30 AM	11:00 AM	P	P.O.O.H, LD 30 jts of 2 3/8" tbg and 24 ft of subs, topped off well.
11:00 AM	12:00 PM	P	RD work floor and tubing equipment, ND BOP, ND WH.
12:00 PM	01:00 PM	P	RD service unit.
01:00 PM	02:00 PM	P	Rack out pump, tanks and all hard line, get equipment road ready.
02:00 PM	02:30 PM	P	Drain and winterize equipment.
02:30 PM	03:00 PM	P	Secure well and rig, clean location.
03:00 PM	04:00 PM	P	Crew travel.

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Plug # 4. (surface plug) Mixed and pump 370 sxs class G cement, 44 bbls mixed, 75.78 bbls slurry, 425.5 cu/ft, 15.8 ppg, 1.15 yield, 7.8 PH, From 960' – surface.

Crew:

Title	Name	Hours	Vehicle
Supervisor:	Graciano, Jose	10.5	20 - Crew PU
Operator:	Munoz-Salas, Aron	10.5	28 - Crew PU
Derrick:	Barraza, Luis	10.5	
Floor Hand:	Archuleta, Philip	10.5	93 - Crew PU
Floor Hand:	Wyrum, Russell	10.5	
Floor Hand:	Castellon, Romeo	10.5	

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