



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

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

Name: Spike State DD 36-4  
API:5-123-16129,  
Rig #14

## 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	07:00 AM	P	HSM and JSA. Service and start equipment.
07:00 AM	07:30 AM	P	Check wellhead pressure. SICP 0#, SIBHP 0#.
07:30 AM	09:00 AM	P	Rig up A Plus wireline. Pick up 1" perf gun. RIH and shoot holes for retainer job @ 4520' and 3850'. POOH, lay down perf gun.
09:00 AM	10:30 AM	P	Pick up 2-7/8" cement retainer. RIH and set @ 4420'. POOH, lay down setting tool. Rig down wireline.
10:30 AM	12:30 PM	P	Pick up stinger, tally and RIH with 134 joints off tubing float.
12:30 PM	02:30 PM	P	Rig up pump to tubing and pump 30 bbls. Rate @ 1/2 bbl a minute.
02:30 PM	04:30 PM	P	Plug 3- Mixed and pump 250 total sxs (231 sxs between 2-7/8" and 9" OH. 3 sxs inside 2-7/8" below CR. 16 sxs inside 2-7/8" on top of CR.), 15.8 ppg, 1.15 yield = 287.5 cuft (51.20 bbls slurry). 3854' TOC.
04:30 PM	06:00 PM	P	Trip out of the hole, lay down 62 joints. Stand back 36 stands, remove stinger.
06:00 PM	06:30 PM	P	SIW. Clean and secure location. SDFD.
06:30 PM	07:30 PM	P	Travel from location to Greeley, CO.

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

### Comments

Job	Comment
Plug 3	Mixed and pump 250 total sxs (231 sxs between 2-7/8" and 9" OH. 3 sxs inside 2-7/8" below CR. 16 sxs inside 2-7/8" on top of CR.), 15.8 ppg, 1.15 yield = 287.5 cuft (51.20 bbls slurry). 3854' TOC.

### Crew:

Title	Name	Hours	Vehicle
Supervisor:	Pineda, Leonel	14.00	85 - Crew PU
Operator:	Martinez, Fernando	14.00	18 - Crew PU
Derrick:	Paez-Artejo, Ramiro	14.00	
Floor Hand:	Archuleta, Philip	14.00	
Floor Hand:	Fitzpatrick, Phillip	14.00	
Floor Hand:	Santiago, Darryl	14.00	
Floor Hand:	Taulli, Estevan	14.00	



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05:30 AM	06:30 AM	P	Load supplies and equipment. Travel to location.
06:30 AM	07:00 AM	P	HSM and JSA. Service and start equipment.
07:00 AM	07:30 AM	P	Check wellhead pressure. SICP 0#, SIBHP 0#.
07:30 AM	08:30 AM	P	Rig up A Plus wireline. Pick up 1" perf gun. RIH and shoot holes for retainer job @ 2500' and 2000'. POOH, lay down perf gun.
08:30 AM	09:30 AM	P	Pick up 2-7/8" cement retainer. RIH and attempt to set @ 2400' (wireline could not get to depth). POOH, lay down cement retainer. Rig down wireline.
09:30 AM	10:00 AM	P	Trip in hole with 36 stands and 1 joint. EOT @ 2400'.
10:00 AM	10:30 AM	P	Rig up pump to tubing, pump 1 bbl to establish circulation. Pump 20 bbls for clean returns.
10:30 AM	11:00 AM	P	Trip out of hole with 36 stands, lay down 1 joint.
11:00 AM	12:00 PM	P	Rig up A Plus wireline. Pick up 2-7/8" cement retainer. RIH and set @ 2308'. POOH, lay down setting tool. Rig down wireline.
12:00 PM	12:30 PM	P	Pick up stinger, trip in hole with 35 stands. EOT @ 2308'.
12:30 PM	01:00 PM	P	Rig up pump to the tubing, pump 2 bbls to establish circulation. Pump 30 bbls for clean returns.
01:00 PM	02:00 PM	P	Plug 4- Mixed and pump 208 total sxs (199 sxs between 2-7/8" and 9" OH. 3 sxs inside 2-7/8" below CR. 6 sxs inside 2-7/8" on top of CR.), 15.8 ppg, 1.15 yield = 239.2 cuft (42.60 bbls slurry). 2188' TOC.
02:00 PM	03:00 PM	P	Trip out of the hole, lay down 72 1-1/4" joints. 209 total joints on float.
03:00 PM	04:00 PM	P	Rig up A Plus wireline. Pick up 2-7/8" jet cutter, RIH cut casing @ 945'. POOH, lay down cutter. Rig down wireline.
04:00 PM	04:30 PM	P	SIW. Prep to lay down 2-7/8" casing.
04:30 PM	05:00 PM	P	Rig down work floor and tubing equipment.
05:00 PM	05:30 PM	P	Clean and secure location. SDFD.
05:30 PM	06:30 PM	P	Travel from location to Greeley, CO.

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

### Comments

Job	Comment
Plug 4	Mixed and pump 208 total sxs (199 sxs between 2-7/8" and 9" OH. 3 sxs inside 2-7/8" below CR. 6 sxs inside 2-7/8" on top of CR.), 15.8 ppg, 1.15 yield = 239.2 cuft (42.60 bbls slurry). 2188' TOC.



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Start	Stop	PUX	Activity
05:30 AM	06:30 AM	P	Load supplies and equipment. Travel to location.
06:30 AM	07:00 AM	P	HSM and JSA. Service and start equipment.
07:00 AM	07:30 AM	P	Check wellhead pressure. SICP 0#, SIBHP 0#.
07:30 AM	08:30 AM	P	Rig up pump to casing, circulate 70 bbls.
08:30 AM	09:00 AM	P	ND BOP, ND casing cap.
09:00 AM	09:30 AM	P	NU casing flange, strip over BOP.
09:30 AM	10:00 AM	P	Rig up work floor and tubing equipment. Rig up pump to casing.
10:00 AM	11:00 AM	P	Plug 5- (surface) Mixed and pump 344 total sxs (166 sxs in 9" OH, 178 sxs inside 8-5/8".) 15.8 ppg, 1.15 yield = 395.6 cuft (70.4 slurry) from 945' to surface.
11:00 AM	11:30 AM	P	Lay down 30 joints of 2-7/8" casing.
11:30 AM	12:00 PM	P	Rig down work floor and tubing equipment.
12:00 PM	12:30 PM	P	ND BOP and flange. NU casing cap. SIW.
12:30 PM	01:30 PM	P	Rig down pulling and pumping units.
01:30 PM	02:00 PM	P	Rig down blow down line. Load and secure equipment for rig move.
02:00 PM	02:30 PM	P	Clean and secure location. MOL.

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### Comments

Job	Comment
Plug 5	(surface) Mixed and pump 344 total sxs (166 sxs in 9" OH, 178 sxs inside 8-5/8".) 15.8 ppg, 1.15 yield = 395.6 cuft (70.4 slurry) from 945' to surface.

### Crew:

Title	Name	Hours	Vehicle
Supervisor:	Pineda, Leonel	9.00	85 - Crew PU
Operator:	Martinez, Fernando	9.00	18 - Crew PU
Derrick:	Paez-Artejo, Ramiro	9.00	
Floor Hand:	Archuleta, Philip	9.00	
Floor Hand:	Bizardi, Harley	9.00	
Floor Hand:	Santiago, Darryl	9.00	
Floor Hand:	Taulli, Estevan	9.00	

### On Site Reps:

Name	Association	Notes
Mark Abbott	Co. Rep.	on location