



Well Services

Date: 6/11/18 -6/14/18

Operator: Noble Energy Inc.

Well Name: Carpio 22-1

Legal Location: SESE Sec. 22 T6N R64W

API # 05-123-11786-00

Job Log

Weld County

6/11/18: MI RU, check psi: 500/500/0 psi, pressure test pump lines and BOPs, SWI.

6/12/18: Check psi: 400/500/0 psi, blow pressure down, circulate well with 160 BBLs of water, ND WH, NU BOP's, TOOH, tally and stand back 212 JTS, SWI.

6/13/18: Check psi: 0/0 psi, RU WL to go in and set CIBP @6836', RD WL, TIH with 210 JTS and 1-10'sub (EOT@6824'), load well with 65 BBLs of water, pressure test plug to 1000 psi for 15 minutes, held good, RU CMT equipment to pump 35sxs balance plug (6824'-6212'), RD CMT equipment, TOOH, stand back 124 JTS and lay down the rest on float, load well with 10 BBLs of water, SWI.

6/14/18: Check psi: 0/0 psi, RU WL to go in and log well from 6334' to surface, RD WL, TIH with 124 JTS (EOT@4024'), RU CMT equipment to pump 55sxs balance plug (4024'-3297'), lay down 47 JTS (EOT@2507'), RU CMT equipment to pump 25sxs balance plug (2507'-2176'), lay down 46 JTS (EOT@1014'), RU CMT equipment to pump CMT up to surface, lay down TBG, ND BOPs, top off well with CMT (92sxs top plug), SWI, RD MO.

All cement is 15.8 # Class "G" neat cement

Cementing Contractor: SPN Well Services

Cementing Contractor Supervisor: Matt Bulinski

Operator Supervisor: Dallas Russell/Jorge Nava/Jeremie Schneider

State Representative: Shaun O'Donnell

Wireline Contractor: SPN Well Services – E - Line

DAILY WORK REPORT

LEED ENERGY SERVICES, INC.
303-854-9202
P.O. BOX 329 • 1352 FACTORY DRIVE
FORT LUTPON, CO 80621

40. 466 406
-104929186

2272



NO. 49669

49669

1002157

Date 06-11-18

Customer Noble Energy

State CO

Well / Lease CARPIO 22-01

County Weld ✓

Company Rep Dallas Russell

Time 6:00

To 6:00

Area

Rig No. 715

DESCRIPTION

Crew WORK on The Shop Switching Equipment To The New Base Beam, Crew Drove To Location, Safety Meeting, Start Equipment, Check Pressures 500/500/0, Spot in! Equipment, Bul. Rig, Hook up Pump and Tank, Pressure Test B.O.P. Fail due To hole on Base Beam, Pull Mandrel set Bull Plug on Bottom of the Mandrel, Pressure Test Blinds and hard lines, Good, Test Pipe Rams Good, Blow Down Well, Call a day

406 @

TOOL BOX SAFETY MEETING

Bul. Rig

ATTENDEES OTHER THAN LISTED BELOW

P&A Day 1

TOPIC Pressure Test - High Pressure Lineal

CHARGE RECORD

715	Rig Time	Hrs. @	Per Hr.	\$	Fishing Tools x	\$
5035	Crew Travel x			\$	Light Plant x	\$
8311	Mud Pump x Tank			\$	Swab Cups # @ \$	\$
406-20	Base Beam			\$	Swab Cups # @ \$	\$
	Power Swivel x			\$	Oil Svr. Rbr.	# @ \$
	Washington Head			\$	TBG Wiper Rubber	# @ \$
390	Blow-out Preventer x			\$	Rod Wiper Rubber	# @ \$
	Flanges x			\$	Sub Pay (#) @ \$	\$
	Tool Pusher			\$	4th Hand	\$
8344	Mud Tank x			\$	5th Hand	\$
	Power Rod Tongs x			\$	Other	\$
	Fuel Gals. @	Per Gal	\$		Other	\$
	Pipe Dope @ \$	Per Trip	\$		Other	\$
	Washington/Stripper Rubber	# @ \$	\$		Sales Tax x %	\$
				Total Charges	\$	0

CHARGE RECORD

Type Well Head	Mud Anchor	No. & Size Rods
Packer Settings	Size Tubing	No. & Size Subs
Type Packer	Subs	Pump Description (out)
No. Jts. Tubing	Perf. Nppl.	(in)

SIGNATURE - CUSTOMER REPRESENTATIVE

SIGNATURE - SUPERVISOR

	RIG	TRAVEL	TOTAL
OPERATOR Antelmo Cardenas	10	1	11
DERRICKMAN Abel Pachado	5	5	10
FLOOR HAND Samuel Nava	5	5	10
FLOOR HAND Emilio Torres	5	5	10

DAILY WORK REPORT

LEED ENERGY SERVICES, INC.
303-654-9202
P.O. BOX 329 • 1352 FACTORY DRIVE
FORT LUTON, CO 80621



NO. 49670
49670
1002157

40.466406
-104529186

Date 06-12-18

Customer Noble Energy

State CO

Well / Lease Carpio 22-01

County Weld ✓

Company Rep Dallas Russell Time 6:00 To 5:30 Area

Rig No. 715

DESCRIPTION

Crew Drove To location, Safety Meeting, Start Equipment, Check Pressures rods and
Bleed off well, Circulating a well, Plunger Get stuck Pressuring Pump 3 times Re-
verse Circulation each Time, Finally Plunger Come out, Circulate well w/ 160 Bbbs
N/A Well head, N/A B.O.P, Pressure Test Ring Low 348-335, High 2220-2187, R.U. WORK
Flare, R.U. Hydrotester, struggle To Rigging up Due To Tie Location, Tally and
Hydrotest Tag out Total 106 stands, R.U. Hydrotester, shut well in.

TOOL BOX SAFETY MEETING

Bleed off well

ATTENDEES OTHER THAN LISTED BELOW

PxA Day 2

TOPIC Always Check wind direction

CHARGE RECORD

715 3035 8311 40-6-22	Rig Time	Hrs. @	Per Hr.	\$	Fishing Tools x	\$
	Crew Travel x			\$	Light Plant x	\$
	Mud Pump x Tank			\$	Swab Cups # @ \$	\$
	Base Beam			\$	Swab Cups # @ \$	\$
	Power Swivel x			\$	Oil Svr. Rbr.	# @ \$
	Washington Head			\$	TBG Wiper Rubber	# @ \$
390	Blow-out Preventer x			\$	Rod Wiper Rubber	# @ \$
	Flanges x			\$	Sub Pay (#) @ \$	\$
	Tool Pusher			\$	4th Hand	\$
8344	Mud Tank x			\$	6th Hand	\$
	Power Rod Tongs x			\$	Other	\$
	Fuel Gals. @	Per Gal	\$		Other	\$
	Pipe Dope @ \$	Per Trip	\$		Other	\$
	Washington/Stripper Rubber	# @ \$	\$		Sales Tax x %	\$
					Total Charges	\$

CHARGE RECORD

Type Well Head	Mud Anchor	No. & Size Rods
Packer Settings	Size Tubing	No. & Size Subs
Type Packer	Subs	Pump Description (out)
No. Jts. Tubing	Perf. Nppl.	(in)

SIGNATURE - CUSTOMER REPRESENTATIVE

SIGNATURE - SUPERVISOR

	RIG	TRAVEL	TOTAL
OPERATOR Antelmo Condor	10.5	1	11.5
DERRICKMAN Abel Colchaco			
FLOOR HAND Samuel Nolas			
FLOOR HAND Joaquin Castillo			

DAILY WORK REPORT

LEED ENERGY SERVICES, INC.
303-854-9202
P.O. BOX 329 • 1352 FACTORY DRIVE
FORT LUPTON, CO 80621



NO. 49671
49671
1002157

40.466406
-104529186

Date 06-13-18

Customer Noble Energy

State CO

Well / Lease CARPIO 22-01

County Weld

Company Rep. Terence S. Time 6:00 To 4:30 Area

Rig No. 715

DESCRIPTION

Crew Drove To Location, Safety Meeting, Start Equipment, Check Pressures was sucking @ surface, B.V. Wireline Run CIBP set CIBP 6830', R.I.H 210 Jts Plus 10' sub @ 6829', Load Hole 62 Bbls, Pressure Test 1000 Psi 15 Minutes, Good, R.V. Cementer Pump 35 SKS, Silica, T.O.C. 6218', R.V. Cementers, Pull 10' sub Plus 62 stands Lay Down 88 Jts, Load well w/ 10 Bbls, Shot well in, Call a day.

TOOL BOX SAFETY MEETING

R.V. Wireline

ATTENDEES OTHER THAN LISTED BELOW

TOPIC L.D. Tbg. Load well

P & A Day 3

CHARGE RECORD

715	Rig Time	Hrs. @	Per Hr.	\$	Fishing Tools x	\$
3035	Crew Travel x			\$	Light Plant x	\$
8311	Mud Pump x Tank			\$	Swab Cups # @ \$	\$
40-6-72	Base Beam			\$	Swab Cups # @ \$	\$
	Power Swivel x			\$	Oil Svr. Rbr.	# @ \$
	Washington Head			\$	TBO Wiper Rubber	# @ \$
390	Blow-out Preventer x			\$	Rod Wiper Rubber	# @ \$
	Flanges x			\$	Sub Pay (#) @ \$	\$
	Tool Pusher			\$	4th Hand	\$
8344	Mud Tank x			\$	5th Hand	\$
	Power Rod Tongs x			\$	Other	\$
	Fuel Gals. @	Per Gal	\$		Other	\$
	Pipe Dops @ \$	Per Trip	\$		Other	\$
	Washington/Stripper Rubber	# @ \$	\$		Sales Tax x %	\$

Total Charges \$ 0

CHARGE RECORD

Type Well Head	Mud Anchor	No. & Size Rods
Packer Settings	Size Tubing	No. & Size Subs
Type Packer	Subs	Pump Description (out)
No. Jts. Tubing	Perf. Nppl.	(in)

SIGNATURE - CUSTOMER REPRESENTATIVE

SIGNATURE - SUPERVISOR

	RIG	TRAVEL	TOTAL
OPERATOR Antelmo Cardenas	9.5	1	10.5
DERRICKMAN Abel Colchada	S	S	S
FLOOR HAND Joaquin Castilla	S	S	S
FLOOR HAND Francisco Becerra			



TIME LEFT LOCATION:		NAME & UNIT	
AVER. LIQUID INJ. RATE:	2.0		
MAX. PRESSURE:	2500		35 SKS silica cement
SHUT IN PRESSURE (IMMEDIATE):	400		
SHUT IN PRESSURE (15 MIN):	P		
ENGINEER:	Sergio Gutierrez		



Well Services

TREATMENT REPORT

LEED ENERGY

P.O. BOX 329

FORT LUPTON, CO 80621

303-654-9202

DATE 6-14-18

FIELD TICKET # _____

WELL NAME & NO. <u>CAPRHO 22-01</u>		GPS: <u>66-57N</u> <u>R12 #715</u>		API # <u>05-123-11786</u>		ALLOWABLE PRESSURE TBG: _____ CSG: _____	
POOL	FORMATION	JOB DONE DOWN:		TUBING	CASING	ANNULUS	PACKER TYPE: _____
COUNTY <u>Weld</u>	STATE <u>CO</u>	WELL TYPE: OIL		GAS	WATER	INJ.	PACKER DEPTH: _____
CUSTOMER NAME <u>Noble</u>		AGE OF WELL		NEW	REWORK	CASING SIZE: <u>4 1/2" #11.6</u>	
ADDRESS		TYPE OF SERVICE		CASING DEPTH: _____			
CITY, STATE, ZIP:				TUBING SIZE: <u>2 3/8" #4.7</u>			
TELEPHONE				TUBING DEPTH: <u>4024' - 2507'</u>			
TREATMENT NO.				OPEN HOLE: _____			
CUST. REMARKS				CSG OR ANRL VOL: _____			
SERVICE RATED		POOR FAIR GOOD EXCELLENT		TBG VOLUME: _____			
CUSTOMER SIGNATURE				DEPTH		NO. OF HOLES	
ARRIVED AT LOCATION				<u>4024'</u>			
				<u>2507'</u>			
				<u>1014'</u>			

TIME	RATE	BBLs IN	CSG	TBG	WEIGHT	YIELD	REMARKS
9:00							on location
11:00							ISA
11:10	1	.5		2500	8.33		Test iron H ₂ O
11:20	2.0	5		200	8.33		Brake circulation H ₂ O
11:25	2.0	11.2		200	15.8	1.15	Mix pump cement 55 cks 11.2 bbls
11:32	2.0	12		200	8.33		Tubing @ 4024'
							Displace
							shut down
							pool
12:01	1	.5		2500	8.33		Test iron H ₂ O
12:10	2.0	5		200	8.33		Brake circulation
12:15	2.0	5.1		200	15.8	1.15	Mix pump cement 25 cks 5.1 bbls
12:18	2.0	8.0		200	8.33		Tubing @ 2507'
							Displace
							shut down
							pool

TIME LEFT LOCATION:		NAME & UNIT	
AVER. LIQUID INJ. RATE:	<u>2.0</u>		
MAX. PRESSURE:	<u>2500</u>		<u>80 cks of cement</u>
SHUT IN PRESSURE (IMMEDIATE):	<u>200</u>		
SHUT IN PRESSURE (15 MIN):	<u>0</u>		
ENGINEER:	<u>Sergio Gutierrez</u>		



Well Services

TREATMENT REPORT

LEED ENERGY

P.O. BOX 329

FORT LUPTON, CO 80621

303-654-9202

DATE 6-14-18
FIELD TICKET #

FIELD TICKET #

WELL NAME & NO. CAP No 2201		GPS: 66-570R Reg # 715		API # 05-123-11786		ALLOWABLE PRESSURE TBG: _____ CSG: _____	
POOL		FORMATION		JOB DONE DOWN: TUBING CASING ANNULUS		PACKER TYPE: _____	
COUNTY Weld		STATE CO		WELL TYPE: OIL GAS WATER INJ.		PACKER DEPTH: _____	
		AGE OF WELL		NEW REWORK		CASING SIZE: 4 1/2 #11.6	
		TYPE OF SERVICE				CASING DEPTH: _____	
CUSTOMER NAME Noble						TUBING SIZE: 2 3/8 #4.7	
ADDRESS						TUBING DEPTH: 2014'	
CITY, STATE, ZIP:						OPEN HOLE: _____	
TELEPHONE						CSG OR ANRL VOL: _____	
TREATMENT NO.						TBG VOLUME: _____	
CUST. REMARKS							
SERVICE RATED							
CUSTOMER SIGNATURE							
ARRIVED AT LOCATION							
TIME							

[illegible]

TIME LEFT LOCATION:		NAME & UNIT	
AVER. LIQUID INJ. RATE:	2.0		
MAX. PRESSURE:	2500		92.5 kS 6 cement
SHUT IN PRESSURE (IMMEDIATE):	100		UP to surface
SHUT IN PRESSURE (15 MIN):	0		
ENGINEER:	Sergio Gutierrez		50 pound sugar

LEED CEMENT REPORT

OPERATOR: <u>Noble</u>	DATE: <u>6-13-18</u>	API# <u>05-123-11786</u>
LEASE NAME: <u>CADWIO 22-01</u>	RIG # <u>715</u>	COUNTY: <u>Weld</u>

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5
CEMENT DATE:	<u>6-13-18</u>	<u>6-14-18</u>	<u>6-14-18</u>	<u>6-14-18</u>	
SIZE OF HOLE OR PIPE IN WHICH PLUG PLACED:	<u>4 1/2" #11.6</u>	<u>4 1/2" #11.6</u>	<u>4 1/2" #11.6</u>	<u>4 1/2" #11.6</u>	
DEPTH TO BOTTOM OF TUBING OR DRILL PIPE:	<u>6824'</u>	<u>4024'</u>	<u>2507'</u>	<u>7014'</u>	
SACKS OF CEMENT USED (EACH PLUG):	<u>35</u>	<u>55</u>	<u>25</u>	<u>92</u>	
SLURRY VOLUME PUMPED:	<u>9.4</u>	<u>11.2</u>	<u>5.1</u>	<u>18.8</u>	
MEASURED TOP OF PLUG:	<u>6212'</u>	<u>3297'</u>	<u>2176'</u>	<u>Surfball</u>	
SLURRY WT. #/GAL. :	<u>15.8</u>	<u>15.8</u>	<u>15.8</u>	<u>15.8</u>	
TYPE CEMENT:	<u>Silica</u>	<u>G</u>	<u>G</u>	<u>G</u>	
MUD FLUSH USED BBLS:	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	
CALCIUM CHLORIDE USED LBS:	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	
SUGAR USED LBS:	<u>0</u>	<u>0</u>	<u>0</u>	<u>50</u>	

Sergio Cuervo
 SIGNATURE OF CEMENTER OR AUTHORIZED REPRESENTATIVE

SDN
 NAME OF CEMENTING CO.

From: Jeanne Van Slambrouck
To: Diane Blair (Contractor); Stephanie Dionne
Subject: FW: EXTERNAL: Re: Carpio 22-1 (05-123-11786)
Date: Thursday, March 01, 2018 8:55:54 AM

Hello!

Can y'all put this email with the Form 6 for the Carpio 22-01 and Carpio 22-41? COA states a CBL must be performed "prior to starting plugging operations".

Email below confirms that its acceptable to run CBL after setting the CIBP.

Thanks!
Jeanne

From: Hickey - DNR, Mike [mailto:michael.hickey@state.co.us]
Sent: Thursday, March 01, 2018 8:49 AM
To: Jeanne Van Slambrouck <Jeanne.VanSlambrouck@nblenergy.com>
Subject: EXTERNAL: Re: Carpio 22-1 (05-123-11786)

yes. Its almost required to get some of these older wells to hold enough fluid to get a good CBL

Michael J. Hickey PE

Northeast Region Engineer



Colorado Oil & Gas Conservation Commission

(303) 894-2100 ext. 5105 (o)

mike.hickey@state.co.us

On Thu, Mar 1, 2018 at 8:46 AM, Jeanne Van Slambrouck
<Jeanne.VanSlambrouck@nblenergy.com> wrote:

Thanks Mike –

Just to clarify, it is acceptable if we runt eh CBL after we set the CIBP above the perforations.

This also applies to the Carpio 22-41 that we discussed a few weeks back.

Thanks!

Jeanne

From: Hickey - DNR, Mike [mailto:michael.hickey@state.co.us]
Sent: Thursday, March 01, 2018 8:41 AM
To: Jeanne Van Slambrouck <Jeanne.VanSlambrouck@nblenergy.com>
Subject: EXTERNAL: Re: Carpio 22-1 (05-123-11786)

The for 6 Intent has the following COAs added:

"Prior to starting plugging operations:

- 1) A CBL is required. If cement shown on the wellbore diagram attached to this Form 6 is not confirmed by CBL, contact COGCC before proceeding with plugging.*
- 2) Submit CBL, and 3rd party cement job summary for annular fill performed on 12/14/1999 with SRA Form 6 (subsequent)."*

Michael J. Hickey PE

Northeast Region Engineer



Colorado Oil & Gas Conservation Commission

(303) 894-2100 ext. 5105 (o)

mike.hickey@state.co.us

On Fri, Feb 23, 2018 at 1:25 PM, Jeanne Van Slambrouck
<Jeanne.VanSlambrouck@nblenergy.com> wrote:

Mike –

Attached is some information from the annular fill on the Carpio 22-1 on 12/13/99. Note that the Cement Job Report from BJ has cement from 4,014' to surface while the report from the rig supervisor has cement from 4,024' to surface. There also appears to be a slight discrepancy in dates.

During the P&A job we will confirm actual cement depths by running a CBL after setting the CIBP over the perforations.

Jeanne Van Slambrouck
Production Engineer
832-605-3819