



Well Services

E-LINE

JOB DATA SHEET

Company LEED ENERGY SERVICES Well Name and No. TANIA BLUE D02-14 Engineer CODY FORNENGO
 County WELD Date 8/23/2018 Ticket No. 3812-1047 Unit No. WL 3812
 District Greeley CO 0928-200 Line Size 9/32" Line Length 22,000'
 Job Time: 12:30 PM Shop Time: 7:00 AM Leave Shop: 11:40 AM Arrive Location: 12:15 PM
 Field Hrs. 1:20:00 Standby Hours: 0:00:00 Total Hours 2:25:00 Travel Time Hrs. 1:05:00
 Trip Miles 45 Leave Location: 3:50 PM Arrive Shop: 4:20 PM

Notice: Engineer to monitor for stray voltage prior to rig up: Wellhead volts: 0 Rig volts: 0

Were there any equipment or down hole failures? Yes No X If yes explain on Quality Control Analysis Form

Were there any hot shots required? Yes No X If yes explain on Quality Control Analysis Form

Were there any personnel problems? Yes No X If yes explain on Quality Control Analysis Form

Were there any accidents? Yes No X If yes explain on Quality Control Analysis Form

Were there any near misses? Yes No X If yes explain on Quality Control Analysis Form

Well Information

Casing Size 2 7/8" 6.5# Liner Size N/A Tubing Size N/A Drill Pipe Size N/A
 Casing Collar N/A Minimum I.D. N/A Fluid Level FULL Deviation 0
 Max. Temp. 220 DEG. F. Max. Pressure 0

Run Data

RUN INFORMATION

*****REMARKS SECTION*****DESCRIBE RUN DETAILS IN FULL*****

1 Time in 2:00 PM Out 2:20 PM
 From SURFACE To 4,445'
 Service SQUEEZE GUN (shoot @ 4

RIH WITH 4SPF SOLIFEE GUN
 SHOOT @ 4,445'
 POOH

2 Time in 3:00 PM Out 3:25 PM
 From SURFACE To 4,345'
 Service CICR (set @ 4,345')

RIH WITH CICR FOR 2 7/8" CASING
 SET @ 4,345'
 POOH

3 Time in 12:00 AM Out 12:00 AM
 From 0 To 0
 Service 0

4 Time in Out
 From 0 To
 Service 0

5 Time in Out
 From To
 Service

6 Time in Out
 From To
 Service

7 Time in Out
 From To
 Service

8 Time in Out
 From To
 Service



Company	LEED Energy Services	Well Name and No.	TANIA BLUE #D 2-14		Engineer	JOSH KERR	
County	WELD	Date	8/27/2018	Ticket No.	3813-0405	Unit No.	WL 3813
District	Greeley CO 0928-200	Line Size	9/32"	Line Length	15000		
Job Time:	8:30 AM	Shop Time:	7:00 AM	Leave Shop:	7:45 AM	Arrive Location:	8:15 AM
Field Hrs.	0:45:00	Standby Hours:	0:00:00	Total Hours	1:50:00	Travel Time Hrs.	1:05:00
Trip Miles	50	Leave Location:	9:55 AM	Arrive Shop:	10:30 AM		

Notice: Engineer to monitor for stray voltage prior to rig up: Wellhead volts: 0 Rig volts : 0

Were there any equipment or down hole failures?	Yes	<u> </u>	No	<u>X</u>	If yes explain on Quality Control Analysis Form
Were there any hot shots required?	Yes	<u> </u>	No	<u>X</u>	If yes explain on Quality Control Analysis Form
Were there any personnel problems?	Yes	<u> </u>	No	<u>X</u>	If yes explain on Quality Control Analysis Form
Were there any accidents?	Yes	<u> </u>	No	<u>X</u>	If yes explain on Quality Control Analysis Form
Were there any near misses?	Yes	<u> </u>	No	<u>X</u>	If yes explain on Quality Control Analysis Form

Casing Size	<u>2.875"</u>	Liner Size	<u> </u>	Tubing Size	<u> </u>	0 Drill Pipe Size	<u> </u>
Drill Collar	<u> </u>	Minimum I.D.	<u> </u>	Fluid Level	<u> </u>	0 Deviation	<u> </u>
Max. Temp.	<u> </u>	Max. Pressure	<u> </u>				

Run Data

*****REMARKS SECTION*****DESCRIBE RUN DETAILS IN FULL *****

1 Time In	9:15 AM	Out	9:30 AM
From	SURFACE	To	876'
Service	CUT @ 876'		

RIH WITH JET CUTTER FOR 2.875" CASING, CUT CASING @ 876', POOH

27-Aug

2 Time in	<u>12:00 AM</u>	Out	<u>12:00 AM</u>
From	<u>0</u>	To	<u>0</u>
Service	<u>0</u>		

3 Time in	<u>12:00 AM</u>	Out	<u>12:00 AM</u>
From	<u>0</u>	To	<u>0</u>
Service	0		

4 Time in _____ Out _____
From _____ To _____
Service _____

5 Time in _____ Out _____
From _____ To _____
Service _____

6 Time in _____ Out _____
From _____ To _____
Service _____

7 Time in _____ Out _____
From _____ To _____
Service _____

8 Time in _____ Out _____
From _____ To _____
Service _____



JOB DATA SHEET

Company	LEED Energy Services	Well Name and No.	TANIA BLUE #D 2-14		Engineer	JOSH KERR	
County	WELD	Date	8/24/2018	Ticket No.	4495-0554	Unit No.	WL 4495
District	Greeley CO 0928-200	Line Size	9/32"	Line Length	0		
Job Time:	10:30 AM	Shop Time:	7:00 AM	Leave Shop:	9:15 AM	Arrive Location:	10:00 AM
Field Hrs.	1:00:00	Standby Hours:	0:00:00	Total Hours	2:20:00	Travel Time Hrs.	1:20:00
Trip Miles	50	Leave Location:	2:05 PM	Arrive Shop:	2:40 PM		

Notice: Engineer to monitor for stray voltage prior to rig up: Wellhead volts: 0 Rig volts : 0

Were there any equipment or down hole failures? Yes No X If yes explain on Quality Control Analysis Form

Were there any hot shots required? Yes No X If yes explain on Quality Control Analysis Form

Were there any personnel problems? Yes No X If yes explain on Quality Control Analysis Form

Were there any accidents? Yes No X If yes explain on Quality Control Analysis Form

Were there any near misses? Yes No X If yes explain on Quality Control Analysis Form

Well Information

Casing Size	2 7/8"	Liner Size		Tubing Size		Drill Pipe Size	
Drill Collar		Minimum I.D.		Fluid Level		0 Deviation	
Max. Temp.		Max. Pressure					

Run Data

RUN INFORMATION

*****REMARKS SECTION*****DESCRIBE RUN DETAILS IN FULL*****

1 Time in	12:40 PM	Out	12:55 PM	RIH WITH 6 SPF SQUEEZE GUN, PERF @ 2,500', POOH	
From	SURFACE	To	2,500'		24-Aug
Service	PERF @ 2,500'				
2 Time in	1:30 PM	Out	1:45 PM	RIH WITH CICR FOR 2 7/8" CASING, SET @ 2,414', POOH	
From	SURFACE	To	2,414'		24-Aug
Service	CICR @ 2,414'				
3 Time in		Out			
From		To			
Service					
4 Time in		Out			
From		To			
Service					
5 Time in		Out			
From		To			
Service					
6 Time in		Out			
From		To			
Service					
7 Time in		Out			
From		To			
Service					
8 Time in		Out			
From		To			
Service					



JOB DATA SHEET

Company LEED Energy Services Well Name and No. Tania Blue D02-14 Engineer Tony Serrano
 County Weld Date 8/22/2018 Ticket No. 7770-1220 Unit No. WL 7770
 District Greeley CO 0928-200 Line Size 9\32 Line Length 25200
 Job Time: 2:00 PM Shop Time: 7:00 AM Leave Shop: 1:00 PM Arrive Location: 1:30 PM
 Field Hrs. 1:35:00 Standby Hours: 0:00:00 Total Hours 2:35:00 Travel Time Hrs. 1:00:00
 Trip Miles 48 Leave Location: 3:30 PM Arrive Shop: 4:00 PM

Notice: Engineer to monitor for stray voltage prior to rig up: Wellhead volts: 0 Rig volts : 0

Were there any equipment or down hole failures? Yes No X If yes explain on Quality Control Analysis Form
 Were there any hot shots required? Yes No X If yes explain on Quality Control Analysis Form
 Were there any personnel problems? Yes No X If yes explain on Quality Control Analysis Form
 Were there any accidents? Yes No X If yes explain on Quality Control Analysis Form
 Were there any near misses? Yes No X If yes explain on Quality Control Analysis Form

***** Well Information *****

Casing Size 4.5 Liner Size Tubing Size 2.375 Drill Pipe Size
 Drill Collar Minimum I.D. Fluid Level FULL Deviation
 Max. Temp. Max. Pressure

***** Run Data *****

RUN INFORMATION

*******REMARKS SECTION***** DESCRIBE RUN DETAILS IN FULL *******

1 Time in	<u>2:20 PM</u>	Out	<u>3:10 PM</u>	RIH WITH CIBP, SET @ 6,510', POOH
From	<u>SURFACE</u>	To	<u>6,510'</u>	
Service	<u>SET CIBP @ 6,510'</u>			
				22-Aug
2 Time in	<u>12:00 AM</u>	Out	<u>12:00 AM</u>	
From	<u>0</u>	To	<u>0</u>	
Service	<u>0</u>			
3 Time in	<u>12:00 AM</u>	Out	<u>12:00 AM</u>	
From	<u>0</u>	To	<u>0</u>	
Service	<u>0</u>			
4 Time in	<u> </u>	Out	<u> </u>	
From	<u> </u>	To	<u> </u>	
Service	<u> </u>			
5 Time in	<u> </u>	Out	<u> </u>	
From	<u> </u>	To	<u> </u>	
Service	<u> </u>			
6 Time in	<u> </u>	Out	<u> </u>	
From	<u> </u>	To	<u> </u>	
Service	<u> </u>			
7 Time in	<u> </u>	Out	<u> </u>	
From	<u> </u>	To	<u> </u>	
Service	<u> </u>			
8 Time in	<u> </u>	Out	<u> </u>	
From	<u> </u>	To	<u> </u>	
Service	<u> </u>			



Well Services

Date: 8/21/18 –8/27/18

Operator: Noble Energy Inc.

Well Name: Tania Blue D 02-14

Legal Location: SESW Sec. 2 T3N R64W

API # 05-123-16586-00

Job Log

Weld County

8/21/18: Move in, rig up, shut down.

8/22/18: Check psi: 356/558/0 psi, pressure test pump lines and BOP's, circulate well with 46 BBLs of water, ND WH, NU BOP's, TOOH, lay down 206 JTS on float, RU WL to go in and set CIBP @6510', RD WL, TIH with mule shoe and 80 JTS, SWI.

8/23/18: Check psi: 0/0/0 psi, continue to trip in hole from float, tag CIBP @6510' with 202 JTS in the hole, circulate well with 23 BBLs of water, pressure test plug to 1000 psi, held good, RU CMT equipment to pump 10sxs balance plug (6510'-6043'), RD CMT equipment, TOOH, stand back 134 JTS and lay down the rest on float, RU WL to go in and shoot squeeze holes @4445' and to set CICR @4345', TIH with stinger, 135 JTS and 1-4' sub to sting into retainer, pressure test back side to 500 psi, held good, SWI.

8/24/18: Check psi: 0/0/100 psi, RU CMT equipment to condition well and to pump 260sxs through retainer and 15sxs on top of retainer (4345'-2062'), RD CMT equipment, TOOH, stand back 74 JTS and lay down the rest on float, RU WL to go in and shoot squeeze holes @2500' and to set CICR @2414', RD WL, TIH with stinger and 75 JTS to sting into retainer @2414', RU CMT equipment to condition well and to pump 175sxs through retainer and to leave 10sxs on top of retainer (2414'-2062'), RD CMT equipment, TOOH, stand back 28 JTS, circulate well with water, lay down the rest on float, SWI.

8/27/18: Check psi: 0/100 psi, RU WL to go in and cut CSG @876', RD WL, condition well with water, ND BOP's and WH, UNLAND CSG, NU BOP's, RU CMT equipment to condition well and to pump CMT up to surface, lay down CSG, ND BOP's, top off well with CMT (337sxs 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: Jorge Nava

State Representative: Jim Precup

Wireline Contractor: SPN Well Services – E - Line