



Job Summary

Ticket Number
TN# **BCO-2010-0027** Ticket Date
10/29/2020

COUNTY	COMPANY	API Number
WELD (CO)	Ensign	512311232
WELL NAME	RIG	JOB TYPE
RIEDER 32-1	Ensign 354	CM-P2A-PERM.
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
40.35483 104.92528	Cody Michel	John Schmitt

EMPLOYEES
Garrick Williamson
Ryan Peterson
Troy

WELL PROFILE			
Max Treating Pressure (psi):	1000	Bottom Hole Static Temperature (°F):	
Bottom Hole Circulating Temperature (°F):		Well Type:	

Open Hole

1	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	14	361	561	361	561
2	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	10	561	2500	561	2500

Casing/Tubing/Drill Pipe

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Surface	8.625	24		0	361	0	361
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	5.5	15.5		2500	4461	2500	4461
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Tubing	2.875	6.5		0	4461	0	4461

CEMENT DATA

Stage 1:	From Depth (ft):	4084	To Depth (ft):	4461
Type: Balance Plug	Volume (sacks):	44	Volume (bbls):	9

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
100% NCM-914	15.8	1.15	5.00

Stage 2:	From Depth (ft):	2300	To Depth (ft):	2550
Type: Stub Plug	Volume (sacks):	100	Volume (bbls):	20.4

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
100% NCM-914	15.8	1.15	5

Stage 3:	From Depth (ft):	1020	To Depth (ft):	1220
Type: Balance Plug	Volume (sacks):	100	Volume (bbls):	20.4

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
100% NCM-914	15.8	1.15	5

Stage 4:	From Depth (ft):	0	To Depth (ft):	561
Type: Surface/Top Off	Volume (sacks):	318	Volume (bbls):	65.1

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
100% NCM-914	15.8	1.15	5

SUMMARY

Preflushes:	5 bbls of Fresh Water	Calculated Displacement (bbl):	Stage 1 23.4	Stage 2 13.3
	5 bbls of Fresh Water	Actual Displacement (bbl):	23.4	13.3
	5 bbls of Fresh Water	Plug Bump (Y/N):		Bump Pressure (psi):
Total Preflush/Spacer Volume (bbl):	20	Lost Returns (Y/N):		(if Y, when)
Total Slurry Volume (bbl):	114.9			
Total Fluid Pumped	177.5			
Returns to Surface:	Cement 2 bbls			

Job Notes (fluids pumped / procedures / tools / etc.):

2.875" 6.5 ppf tubing inside of 5.5" 15.5ppf casing cut @ 2500' Pumped 5 bbl of fresh water followed by 9 bbl of cement and displaced 23.4 bbl to balance for an estimated coverage of 4084'-4461'. Shut Down and wait on rig to pull casing. Then pumped 5 bbl of fresh water followed by 20.4 bbl of cement and displaced 13.3 bbl of fresh water to balance plug with an estimated coverage between 2300'-2550'. Wait on rig to trip out to 1220' and pumped 5 bbl of fresh water followed by 20.4 bbl of cement and displaced 5.8 bbl to balance estimated coverage between 1020'-1220'. Rig tripped out to 561' and pumped 61 bbl of cement to surface and topped off well. Job Pumped per customer request.

Customer Representative Signature:

NexTier Completion Solutions

NEXTTIER[illegible]

Cement Job Log

NEXTier									
Customer:	Ensign			Date:	29-Oct-20		Serv. Supervisor:	Cody Michel	
Cust. Rep.:	John Schmitt			Ticket #:	BCO-2010-0027		Serv. Center:	Brighton - 3021	
Well Name:	RIEDER 32-1		RTS Date:	29-Oct-2020		API Well #:	512311232		County:
Well Type:	Oil		RTS Time:	6:00 AM		Rig:	Ensign 354		State:
							CM-P2A-PERM.		
Left Yard:	Date	Time	Left Loc.:	Date	Time	Start Pump:	Date	Time	
Arrived Loc.:	29-Oct-20	5:00 AM	29-Oct-20	5:00 PM	29-Oct-20	7:40 AM			
	29-Oct-20	6:00 AM	Returned Yd.:	29-Oct-20	6:00 PM	End Pump:	29-Oct-20	4:35 PM	
TIME	Rate	Csg. Press.	Tbg. Press.	Ann. Press.	Stg. Vol.	Cum. Vol.	Stage Num.	Stage Details	
	(bbl/min)	(psi)	(psi)	(psi)	(bbl)	(bbl)	Stage #		
5:00 AM								Left Yard or Current Location	
6:00 AM								ARRIVE ON LOCATION	
6:00 AM							1	Tailgate Meeting	
6:05 AM							1	Spot Trucks	
6:45 AM							1	Rig In	
7:30 AM							1	Safety Meeting	
7:40 AM					2.0 bbl	2.0 bbl	1	Fill Lines and Pressure Test 2000 psi	
7:43 AM	1.2		80		5.0 bbl	7.0 bbl	1	Establish Circulation and Pump 5 bbl spacer	
7:48 AM	2.5		200		9.0 bbl	16.0 bbl	1	Mix and Pump 44 sks (9bbl) 15.8 ppg Class G Cement	
7:52 AM	2.5		80		23.4 bbl	39.4 bbl	1	Displace 23.4 bbl to balance	
8:02 AM							1	Shut Down	
8:10 AM							1	Wait on Rig to pull casing	
1:55 PM	.75		60		5.0 bbl	44.4 bbl	1	Establish Circulation and Pump 5 bbl spacer	
2:00 PM	2.5		200		20.4 bbl	64.8 bbl	1	Mix and Pump 100 sks (20.4 bbl) 15.8 ppg Class G Cement	
2:09 PM	2.5		50		13.3 bbl	78.1 bbl	1	Displace 13.3 bbl to balance	
2:14 PM							1	Wait on Rig to Trip out	
2:35 PM	2		230		5.0 bbl	83.1 bbl	1	Establish Circulation and Pump 5 bbl spacer	
2:40 PM	2.8		80		20.4 bbl	103.5 bbl	1	Mix and Pump 100 sks (20.4 bbl) 15.8 ppg Class G Cement	
2:47 PM	2.5		50		5.8 bbl	109.3 bbl	1	Displace 5.8 bbl to Balance	
2:50 PM							1	Wait on Rig to Trip out	
3:21 PM	1		100		6.0 bbl	115.3 bbl	1	Establish Circulation and Pump 6 bbl spacer	
3:25 PM	1.8		100		61.0 bbl	176.3 bbl	1	Mix and Pump 298sk 15.8ppg Class G Cement	
3:55 PM							1	Wait on Rig to Trip Out	
4:25 PM					4.0 bbl	180.3 bbl	1	Top Off Well	
4:35 PM							1	Wash Up and Rig Down	
4:55 PM							1	Tailgate Meeting	
5:00 PM							1	Leave Location	

Client

Ensign

Client Rep

John Schmitt

Supervisor

Cody Michel

Ticket No.

BCO-2010-0027

Well Name

Rieder 32-1

Unit No.

445070

Location

See Job Log

Job Type

Abandonment Plugs

Service District

Brighton

Comments

Job Date

10/29/2020



10.00

Unit 445070 Rate Total

(bpm)

8.00

6.00

4.00

2.00

0.00

07:35

07:40

07:45

07:50

07:55

08:00

08:05

08:10

08:15

3000.00

2500.00

2000.00

1500.00

1000.00

500.00

0.00

Unit 445070 Pump Pressure

(psi)

07:35

07:40

07:45

07:50

07:55

08:00

08:05

08:10

08:15

24.00

22.00

20.00

18.00

16.00

14.00

12.00

10.00

8.00

6.00

4.00

2.00

0.00

Unit 445070 Density

(lb/gal)

07:35

07:40

07:45

07:50

07:55

08:00

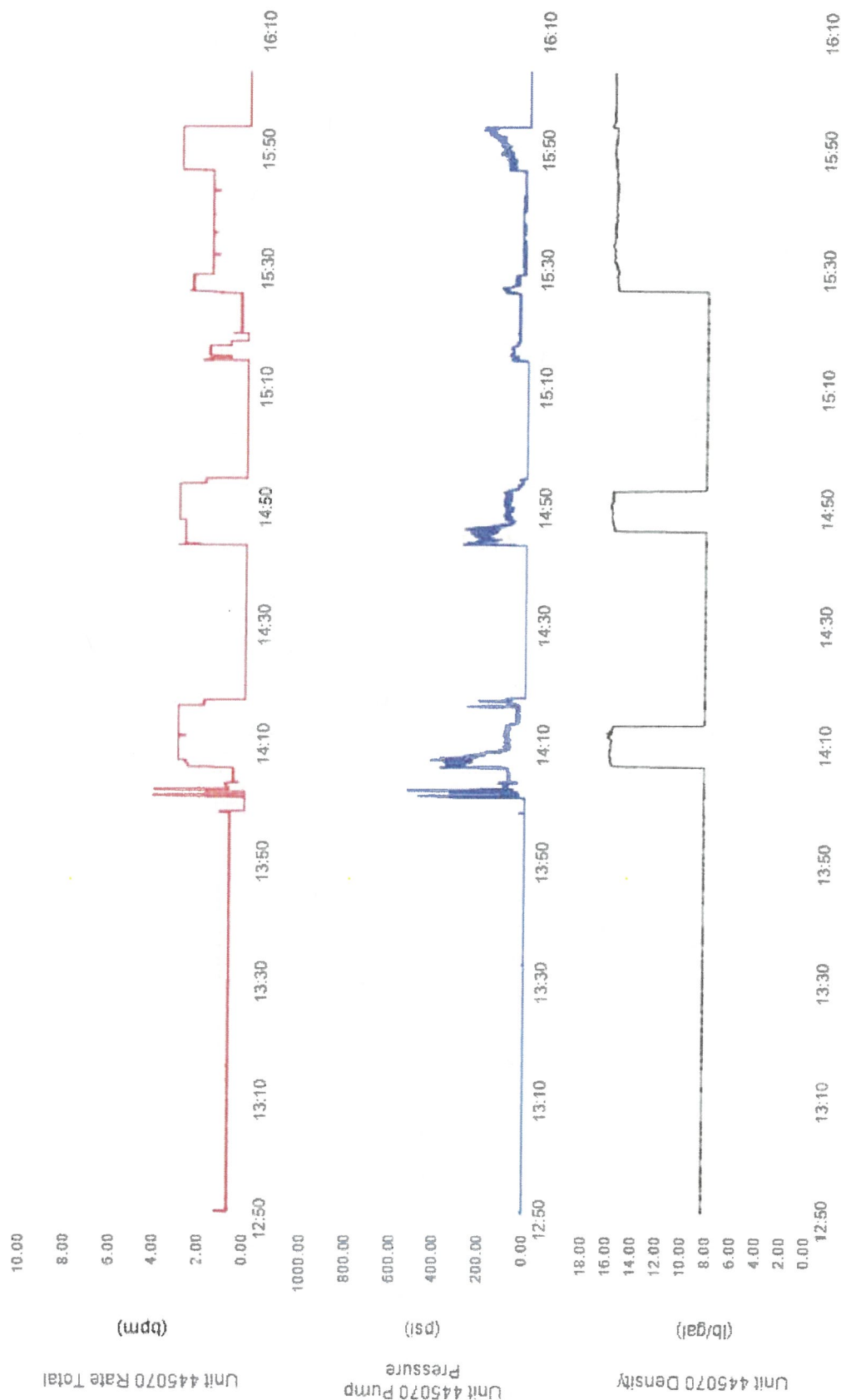
08:05

08:10

08:15



Client Rep	John Schmitt	Supervisor	Cody Mitchell
Well Name	Rieder 32-1	Unit No.	445070
Job Type	Abandonment Plugs	Service District	Brighton
		Job Date	10/29/2020



RMWS - Service Ticket & Invoice:

Rocky Mountain Wireline Service
2144 Hwy 6 & 50
Grand Junction, CO 81505
970-245-9828



Ticket Number
113379

Date
10/28/2020
Well
Rieder 32-1
Field
Wattenberg
County / State
Weld / Co

Services provided for:
ENSIGN WELL SERVICE
2154 Hwy 6 & 50
Grand Junction, Colorado 81505

Services ordered by:
Logan Hancock
(970) 712-4498
logan.hancock@ensignenergy.com

Job Data

Field Office

Johnstown-
CO Line Truck #
226

Crane #

**Pickup
Truck #**
72

**Explosives Permit
#**
92983

Crew Members

Dizmang, Stickley, Walters

CSG Size
4.5
WT
11.6#

Zero
GL / KB

Fluid
Surface

Level

RMWS TD
7000'

Corrected

**To Agree
With**

Dated

Consultant
John Schmitt

Job Notes
Rig 354

Travel

Report To Shop

10/28/2020 6:00 AM MDT

Arrive At Location

10/28/2020 7:00 PM MDT

On Well

10/28/2020 9:15 AM MDT

Off well

10/29/2020 9:38 AM MDT

Depart Location

9:55 AM MDT

Return To Shop

10:00 AM MDT

Travel Notes

Activity

Logging - Bid Work

Description	From	To	Units Used	Rate	Minimum	Amount
Ensign - CBL 2,000' + Ran CBL from 6630' to surface.	6630	0	1.00 Units			\$0.00

Miscellaneous - Bid Work

Description	From	To	Units Used	Rate	Minimum	Amount
Ensign - 5 1/2" 10K CIBP @ 5,000' + Set CIBP @ 6953'.	6953		1.00 Units			\$0.00
Ensign - Dump Bail 2 SX Cement (STANDARD) Dumped two sacks of cement on plug.	6953		1.00 Units			\$0.00
Ensign - 5 1/2" 10K CIBP @ 5,000' + Set CIBP @ 6630'.	6630		1.00 Units			\$0.00
Ensign - Dump Bail 2 SX Cement (STANDARD) Dumped two sacks of cement on plug.	6630		1.00 Units			\$0.00

Pipe Recovery - Bid Work

Description	From	To	Units Used	Rate	Minimum	Amount
Ensign - 5 1/2" Jet Cutter Cut casing @ 2500'.	2500	2	1.00 Units			\$0.00

Logging - Bid Work \$0.00
Miscellaneous - Bid Work \$0.00
Pipe Recovery - Bid Work \$0.00
Total \$0.00

Signatures