

NEXTIER**Job Summary**

Ticket Number

TN#

BCO-2101-0021

Ticket Date

1/19/2021

COUNTY	COMPANY	API Number
WELD (CO)	Ensign	512314155
WELL NAME	RIG	JOB TYPE
SCHAFFER PM K 16-09	Ensign 312	CM-P2A-PERM.
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
40.310219 -104.775365	jeff kopp	John Schmitt
EMPLOYEES		
garick w		
ryan p		
phillip s		

WELL PROFILE

Max Treating Pressure (psi):	1500	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)
	10	4100	4300		
2	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	10	1220	1420		

Casing/Tubing/Drill Pipe

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
production	4 1/2	15.1		0	4300		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
tubing	2 3/8	4.7		0	4300		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

CEMENT DATA

Stage 1:	From Depth (ft):	4100	To Depth (ft):	4300
Type: squeeze 1	Volume (sacks):	100	Volume (bbbls):	20.4

Cement & Additives:

Density (ppg)	Yield (ft³/sk)	Water Req.
15.8	1.15	5.00

Stage 2:	From Depth (ft):	1220	To Depth (ft):	1420
Type: squeeze 2	Volume (sacks):	100	Volume (bbbls):	20.4

Cement & Additives:

Density (ppg)	Yield (ft³/sk)	Water Req.
15.8	1.15	5.00

Stage 3:	From Depth (ft):	0	To Depth (ft):	539
Type: surface plug	Volume (sacks):	44	Volume (bbbls):	9

Cement & Additives:

Density (ppg)	Yield (ft³/sk)	Water Req.
15.8	1.15	5.00

Stage 4:	From Depth (ft):	0	To Depth (ft):	91
Type: Top Off	Volume (sacks):	6	Volume (bbbls):	1.3

Cement & Additives:

Density (ppg)	Yield (ft³/sk)	Water Req.
15.8	1.15	5.00

SUMMARY

Preflushes:	7 bbls of Fresh Water	Calculated Displacement (bbl):	Stage 1	Stage 2	
	6 bbls of Fresh Water	Actual Displacement (bbl):	15.9	4.7	
	2 bbls of Fresh Water		13.9	2.7	
Total Preflush/Spacer Volume (bbl):	15	Plug Bump (Y/N):	N/A	Bump Pressure (psi):	N/A
Total Slurry Volume (bbl):	51.1	Lost Returns (Y/N):	N	(if Y, when)	
Total Fluid Pumped	66.1				
Returns to Surface:	Cement	1 bbls			

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

Squeeze 1 retainer set @4115ft with 2bbbls on top (TOC 3975ft). Squeeze 2 retainer set @1235ft with 2bbbls on top (TOC 1095ft).

Customer Representative Signature:

Thank You For Using
NextTier Completion Solutions

NEXTIER[illegible]

NEXTIER

NEXTIER												
Customer:	Ensign			Date:	19-Jan-21		Serv. Supervisor:	Jeff Kopp				
Cust. Rep.:	John Schmitt			Ticket #:	BCO-2101-0021		Serv. Center:	Brighton - 3021				
Well Name:	SCHAFER PM K 16-09		RTS Date:	19-Jan-21		API Well #:	512314165		County:	WELD (CO)		
Well Type:	Oil		RTS Time:	11:00 AM		Rig:	Ensign 312		Type of Job:	CM-P2A-PERM.		
Left Yard:	Date 19-Jan-21		Time 10:15 AM		Left Loc.:	Date 19-Jan-21		Time 6:45 PM		Start Pump:	Date 19-Jan-21	Time 2:04 PM
Arrived Loc.:	Date 19-Jan-21		Time 10:46 AM		Returned Yd.:	Date 19-Jan-21		Time 7:15 PM		End Pump:	Date 19-Jan-21	Time 6:20 PM
TIME	Rate	Csg. Press.	Tbg. Press.	Ann. Press.	Stg. Vol.	Cum. Vol.	Stage Num.	Stage Details				
Note: Rod boxes indicate bad values!	(bbl/min)	(psi)	(psi)	(psi)	(bbl)	(bbl)	Stage #					
10:15 AM								Left Yard or Current Location				
10:46 AM								ARRIVE ON LOCATION				
10:48 AM							1	PRE JOB SAFETY MEETING				
10:50 AM							1	SPOT EQUIPMENT				
10:55 AM							1	RIG UP IRON AND HOSES				
11:15 AM							1	WAIT ON WIRELINE TO SHOOT PERFS AND RUN RETAINER				
1:55 PM							1	SAFETY MEETING				
2:04 PM	1		1000		1.0 bbl	1.0 bbl	1	FILL LINES				
2:07 PM			3620				1	PRESSURE TEST				
2:09 PM	1.5		330		7.0 bbl	8.0 bbl	1	INJECTION RATE				
2:15 PM	2		260		20.4 bbl	28.4 bbl	1	MIX AND PUMP 100SXS @15.8PPG 1.15Y 5.0WR				
2:25 PM	2		920		13.9 bbl	42.3 bbl	1	DISPLACE				
2:40 PM							1	SHUT DOWN				
2:42 PM							1	WAIT ON RIG TO PULL TUBING AND SET RETAINER				
5:03 PM	2		200		6.0 bbl	48.3 bbl	2	INJECTION RATE				
5:06 PM	2		356		20.4 bbl	68.7 bbl	2	MIX AND PUMP 100SXS @15.8PPG 1.15Y 5.0WR				
5:17 PM	2		148		2.7 bbl	71.4 bbl	2	DISPLACE				
5:20 PM							2	SHUT DOWN				
5:21 PM							2	WAIT ON RIG TO PULL TUBING				
5:38 PM	1.6		43		2.0 bbl	73.4 bbl	3	EST. CIRCULATION				
5:39 PM	1.6		78		9.0 bbl	82.4 bbl	3	MIX AND PUMP 100SXS @15.8PPG 1.15Y 5.0WR				
5:46 PM							3	SHUT DOWN				
5:47 PM							3	WAIT ON RIG TO NIPPLE DOWN				
6:16 PM	0.5		0		1.3 bbl	83.7 bbl	3	TOP WELL OFF				
6:20 PM							3	WASH UP PUMPS AND LINES				
6:30 PM							3	RIG OUT				
6:45 PM							3	LEAVE LOCATION				

NEXTier

Client
Ticket No.
Location
Comments

Ensign
21010021

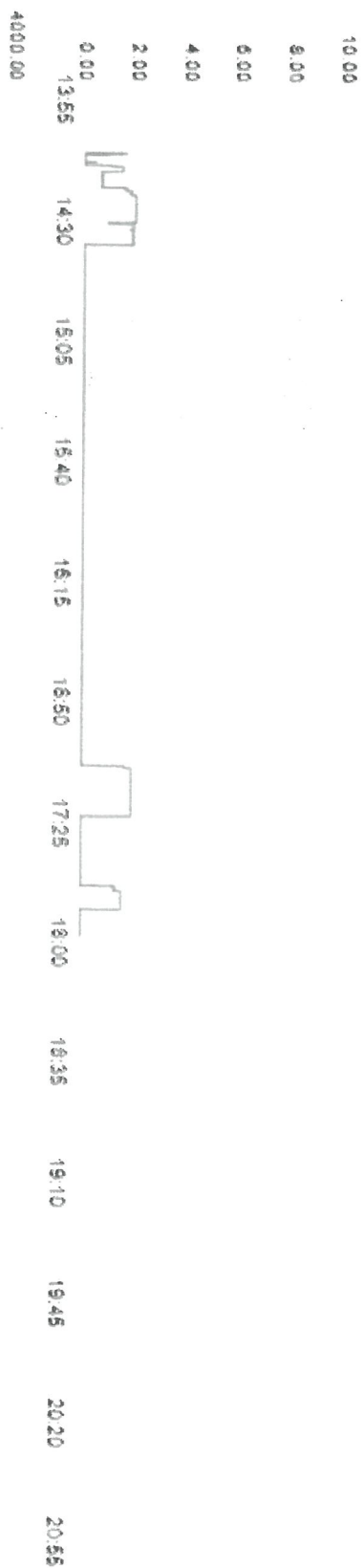
Client Rep
Well Name
Job Type

John Schnitt
Schafer PM K 16-09
Abandonment Plugs

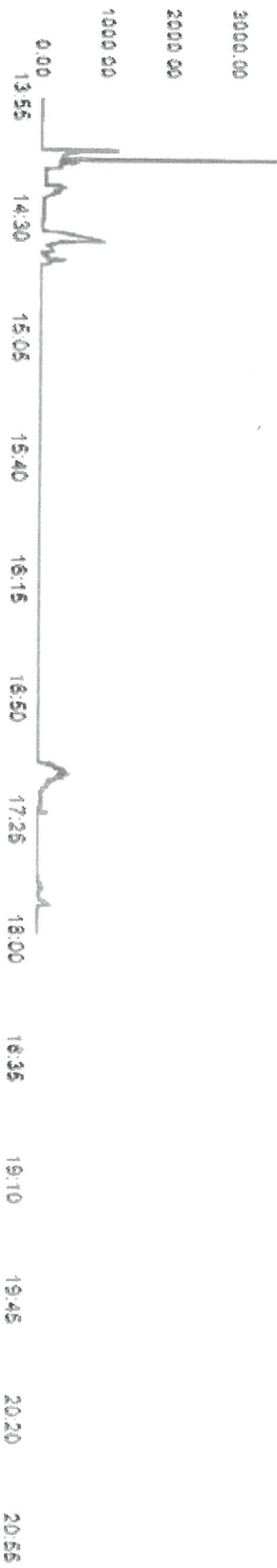
Supervisor
Unit No.
Service District
Job Date

Jeff Kopp
445070
Brighton Co
01/19/2021

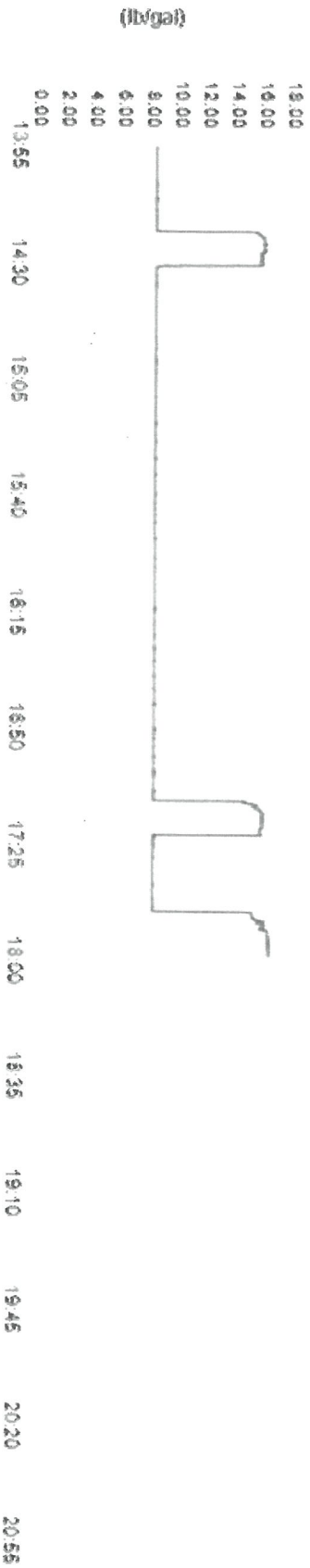
Unit 445070 Rate Total



Unit 445070 Pump Pressure



Unit 445070 Density



RMWS - Service Ticket:

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



Ticket Number

117709

Date

1/19/2021

Well

Schafer PM K 16-09

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 # 223

Crane #

Pickup Truck # 78

Explosives Permit # 92983

Crew Members

Z. Dionne, R. Holland, C. Arreola

CSG Size 4.5"

WT 15.10#

Zero 10ft KB	Fluid Water	Level	RMWS TD 6950'	Corrected	To Agree With	Dated 1/19/2021	Consultant John Schmitt
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Job Notes

Rig 312

Travel

Report To Shop 1/19/2021 5:30 AM MST	Arrive At Location 1/19/2021 6:30 AM MST	On Well 1/19/2021 8:55 AM MST	Off well 1/19/2021 4:33 PM MST
Depart Location 1/19/2021 4:45 PM MST	Return To Shop 1/19/2021 5:00 PM MST	Travel Notes	

Activity

Logging - Bid Work

Description	From	To	Units Used
Ensign - CBL 2,000' +		4500	1.00 Units

Miscellaneous - Bid Work

Description	From	To	Units Used
Ensign - 4 1/2" 10K CIBP @ 5,000' +		6904	1.00 Units
Ensign - Dump Bail 2 SX Cement (STANDARD)		6904	1.00 Units
Ensign - CICR @ 5,000' or less (CICR NOT INCLUDED)		4115	1.00 Units
Ensign - CICR @ 5,000' or less (CICR NOT INCLUDED)		1235	1.00 Units

Perforating - Bid Work

Description	Stage	From	To	Plug	Date	Units Used
Ensign - 4 1/2" or 5 1/2" Upper & Lower Sqz 3spf/1' @ 5,000' or less		4300	4100			1.00 Units
Ensign - 4 1/2" or 5 1/2" Upper & Lower Sqz 3spf/1' @ 5,000' or less		1420	1220			1.00 Units

Signatures

Authorization Signature

(Signature)

Authorization Notes

1/19/2021 6:52 AM MST

AFE

Cost Code

Well / Lease

Schafer PM K 16-09

Approver Name

John Schmitt

1/19/2021 4:36 PM MST

RMWS - Service Ticket #117709

AK Welding and Fabrication
670 Mark Rd
Cheyenne, WY 82007 US
akweldingandfabrication@gmail.com
www.akweldingandfabrication.com

Invoice

**BILL TO**

Matthew McGraw
Ensign Well Services Inc.
24020 Weld County Rd 46
La Salle, CO 80645
United States

SHIP TO

Matthew McGraw
Ensign Well Services Inc.
24020 Weld County Rd 46
La Salle, CO 80645
United States

INVOICE #	DATE	TOTAL DUE	DUE DATE	TERMS	ENCLOSED
391	01/29/2021		02/28/2021	Net 30	

P.O. NUMBER
USR0039240

SERVICE	DESCRIPTION	QTY	RATE	AMOUNT
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Plug and Abandon well cut and cap well and haul away scrap iron for Schafer
PM K 16-09 on Jan 28 2021

1

Thank you for your Business Checks can be mailed to 670 Mark Rd Cheyenne
Wy 82007

BALANCE DUE