



Service Order #: 75293C

Date: 07-Mar-18

Well Name	Location	County	St	API#		
RITCHEY H27-05		WELD	CO	05-123-21908		
Formation	Cement Via	Type Of Service	Well Type	Age	AFE#	PO#
	TUBING	PLUG	GAS	REWORK		

Customer: NOBLE ENERGY, INC.

Remarks:

\*CIBP: 6178\*

Plug 1: 4.1 bbls / 20 sks (6178 - 5914)

Plug 2: 11.3 bbls / 55 sks (4700 - 3971)

Plug 3: 8.2 bbls / 40 sks (2508 - 1979)

Customer Rep: STEW SETCHFIELD PH:

WELLBORE DATA				
Type	Size	Weight	Depth	Volume
Surface Casing:	8.625	24.0	632.0	
Production Casing:	4.500	11.6	7,396.0	
Intermediate:				
Drill Pipe:				
Tubing:	2.375	4.7	6,178.0	

OTHER DATA		
BHT	Max PSI	Total Depth
	1,500	6,178.0

Packer or RetainerType / Depth:

--	--

Type	Size	Depth (Top)	Depth (Bot)	Volume
Liner:				
Open Hole:				

Perf Depths: # Total


TIME	PUMP RATES		DENSITY	PRESS	STG TOT	TOTAL	REMARKS
	WATER (gpm)	PUMP (bpm)	(lb/gal)	(psi)	(bbls)	(bbls)	
11:32	0	0.1	6.88	3,822		0.2	PSI TEST LINES
11:34	0	0.2	6.88	0		0.2	ESTABLISH CIRCULATION
11:35	0	2.0	6.88	426		3.0	SHUT DOWN - CIRCULATION ESTABLISHED
11:40	52	0.0	15.85	0		0.0	BATCH UP CEMENT @ 15.8 PPG
11:42	0	0.1	15.86	0		0.0	PUMP CEMENT
11:44	0	2.0	9.61	196		4.1	END CEMENT - DISPLACE CEMENT WITH H2O
11:56	0	2.0	6.88	289		22.5	SHUT DOWN - END PLUG 1
11:56	0	0.0	6.88	0		22.5	RIG PULL PIPE UP TO 4700
12:39	0	0.0	6.88	0		0.0	ESTABLISH CIRCULATION
12:40	0	1.8	6.88	261		3.0	SHUT DOWN - CIRCULATION ESTABLISHED
12:46	0	0.0	15.80	0		0.0	BATCH UP CEMENT @ 15.8 PPG
12:46	0	0.0	16.02	0		0.0	PUMP CEMENT
12:52	0	2.0	15.54	25		11.3	END CEMENT - DISPLACE CEMENT WITH H2O
12:59	0	2.0	6.88	504		14.7	SHUT DOWN - END PLUG
13:00	0	0.0	6.88	0		14.7	RIG PULL UP TO 2508-13:42:55
13:44	0	0.1	6.88	0		0.0	ESTABLISH CIRCULATION
13:46	0	2.0	6.88	167		3.0	SHUT DOWN - CIRCULATION ESTABLISHED
13:51	50	0.0	15.80	0		0.0	BATCH UP CEMENT @ 15.8 PPG
13:52	0	0.0	16.11	0		0.1	PUMP CEMENT
13:56	0	2.0	15.66	25		8.2	END CEMENT - DISPLACE CEMENT WITH H2O
14:00	0	1.5	8.40	0		7.0	SHUT DOWN - END JOB

Customer Acknowledgement:

Service Rating:

- ☐ Satisfactory  
☐ Unsatisfactory

Cementer:

CORY THAUT

PRODUCTS USED

Class G (neat)



Service Order #: 75293C

Date: 07-Mar-18

**Summary**

Max Fl. Rate	Avg Fl. Rate	Max Psi	Avg Psi
2.0	0.6	3,822	80

Customer Acknowledgement:

Service Rating:

- ☐ Satisfactory  
☐ Unsatisfactory

Cementer:

CORY THAUT

**PRODUCTS USED**

Class G (neat)



Service Contract Receipt  
SCHLUMBERGER TECHNOLOGY CORPORATION

Service Contract Number  
**EGTX-00116**

Invoice Mailing Address NOBLE ENERGY INC (EDI)  1001 NOBLE ENERGY WAY  HOUSTON TX NULL UNITED STATES		Left District	Date: 11-Nov-2019	Time: 7:00 AM
		Arrive Location	Date: 11-Nov-2019	Time: 10:00 AM
		Start Job	Date: 11-Nov-2019	Time: 11:00 AM
		Complete Job	Date: 11-Nov-2019	Time: 12:00 PM
		Leave Location	Date: 11-Nov-2019	Time: 12:15 PM
		Arrived District	Date: 11-Nov-2019	Time: 2:15 PM
		Service Description Cementing Remedial, Remedial Plug to Abandon		
Customer PO	Contract	Well Name & Number RITCHEY H 27-5		Field
AFE need	Cust Ref	County / Parish / Block / Borough Weld County		State / Province Colorado
Customer or Authorized Representative Silverio Arredondo		Schlumberger Location (SAP-2070) Cheyenne - USRK - WIT		Legal Location
API / UWI 05-123-21908-00-00	Pricebook BYNP / WSV_GEOREF_NAL_2018_USD	Rig		
Service Instructions				

THE ESTIMATED CHARGES AND DATA SHOWN BELOW ARE SUBJECT TO CORRECTION BY SCHLUMBERGER

Item	Description	Quantity	UOM	Price	Discount	Amount
<b>Products</b>						
B160A	B160A Low Temperature Powder Dispersant	24	LB			
B547	Gas Migration Additive B547	20	LB			
D013	D013, Retarder	13	LB			
D053	D053, Gypsum	1600	LB			
D154	D154, Extender, low temperature	50	LB			
<b>D826</b>	<b>D826, Chemical Wash CW7</b>					
BLEND-VOL	Mixture blend - Volume UoMs	10	BBL			
D907	CLASS G CEMENT	25.5	CF			
				<b>Prod</b>		
				<b>P</b>		
<b>Services</b>						
108673990	Services, Sqz/Plug 1 Hr	1	EA			
108673990	Cement Service Charge	60	EA			
108673990	Cement Transport	171	EA			
				<b>Serv</b>		
				<b>S</b>		

Total (Before Discount):  
Discount:  
Special Discount:

THE ESTIMATED CHARGES AND

THE SERVICES, EQUIPMENT, MATERIALS AND/OR PRODUCTS COVERED BY THIS FIELD TICKET HAVE BEEN PERFORMED OR RECEIVED AS SET FORTH ABOVE AND PROVIDED AT THE PRICES SHOWN HEREIN PURSUANT TO THE MASTER SERVICE AGREEMENT ("MSA") BETWEEN CUSTOMER AND SCHLUMBERGER AND, IN THE ABSENCE OF AN ACTIVE MSA, PURSUANT TO THE SCHLUMBERGER GENERAL TERMS AND CONDITIONS.

Signature of Customer Authorized Representative:

Signature of Schlumberger Representative:

Silverio Arredondo

Date

Kyle Granahan

Date



**Service Contract Receipt**  
**SCHLUMBERGER TECHNOLOGY CORPORATION**

Service Contract Number  
**E5T7-00291**

<b>Invoice Mailing Address:</b> NOBLE ENERGY INC (EDI)  1001 NOBLE ENERGY WAY  HOUSTON TX NULL UNITED STATES		<b>Left District</b> Date: 15-Nov-2019 Time: 7:00 AM	<b>Arrive Location</b> Date: 15-Nov-2019 Time: 9:00 AM
<b>Customer PO</b>		<b>Contract</b> N/A	<b>Well Name &amp; Number</b> RITCHEY H 27-5
<b>AFE</b>		<b>Cust Ref</b>	<b>Field</b>
<b>Customer or Authorized Representative</b> Silvero Arredondo		<b>County / Parish / Block / Borough</b> Weld County	<b>State / Province</b> Colorado
<b>API / UWI</b> 05-123-21908-00-00		<b>Pricebook</b> BYNP / WSV_GEOREF_NAL_2018_USD	<b>Schlumberger Location</b> (SAP-2070) Cheyenne - USRK - WIT
<b>Service Instructions:</b> Premium		<b>Legal Location</b>	<b>Rig</b>
<b>Service Description</b> Cementing Remedial, Remedial Plug to Abandon			

THE ESTIMATED CHARGES AND DATA SHOWN BELOW ARE SUBJECT TO CORRECTION BY SCHLUMBERGER

Item	Description	Quantity	UOM	Price	Discount	Amount
<b>Products</b>						
D907	CLASS G CEMENT	45	CF			
D053	D053, Gypsum	1800	LB			
B160A	B160A Low Temperature Powder Dispersant	27	LB			
B547	Gas Migration Additive B547	22.5	LB			
D154	D154, Extender, low temperature	225	LB			
<b>D826</b>	<b>D826, Chemical Wash CW7</b>					
BLEND-VOL	Mixture blend - Volume UoMs	10	BBL			
				<b>Pro</b>		
<b>Services</b>						
108673990	Services, Sqz/Plug 1 Hr	1	EA			
108673990	Additional Service Hours	1	EA			
108673990	Cement Service Charge	77	EA			
108673990	Cement Transport	192	EA			
102946000	Fuel Surcharge 0% Services	2	EA			
				<b>Se</b>		

**Total (Before Discount):**  
**Discount:**  
**Special Discount:**



**Service Contract Receipt**  
**SCHLUMBERGER TECHNOLOGY CORPORATION**

Service Contract Number  
**E5T7-00291**

<b>Invoice Mailing Address:</b> NOBLE ENERGY INC (EDI)  1001 NOBLE ENERGY WAY  HOUSTON TX NULL UNITED STATES		<b>Left District</b>	Date: 15-Nov-2019	Time: 7:00 AM	
		<b>Arrive Location</b>	Date: 15-Nov-2019	Time: 9:00 AM	
		<b>Start Job</b>	Date: 15-Nov-2019	Time: 9:30 AM	
		<b>Complete Job</b>	Date: 15-Nov-2019	Time: 10:30 AM	
		<b>Leave Location</b>	Date: 15-Nov-2019	Time: 11:00 AM	
		<b>Arrived District</b>	Date: 15-Nov-2019	Time: 2:00 PM	
<b>Customer PO</b>		<b>Contract</b>	<b>Well Name &amp; Number</b>		<b>Field</b>
		N/A	RITCHEY H 27-5		
<b>AFE</b>		<b>Cust Ref</b>	<b>County / Parish / Block / Borough</b>		<b>State / Province</b>
			Weld County		Colorado
<b>Customer or Authorized Representative</b>			<b>Schlumberger Location</b>		<b>Legal Location</b>
Silvero Arredondo			(SAP-2070) Cheyenne - USRK - WIT		
<b>API / UWI</b>		<b>Pricebook</b>			<b>Rig</b>
05-123-21908-00-00		BYNP / WSV_GEOREF_NAL_2018_USD			
<b>Service Instructions:</b>  Premium					



**THE ESTIMATED CHARGES AND DATA SHOWN ABOVE ARE SUBJECT TO CORRECTION BY SCHLUMBERGER.**

**THE SERVICES, EQUIPMENT, MATERIALS AND/OR PRODUCTS COVERED BY THIS FIELD TICKET HAVE BEEN PERFORMED OR RECEIVED AS SET FORTH ABOVE AND PROVIDED AT THE PRICES SHOWN HEREIN PURSUANT TO THE MASTER SERVICE AGREEMENT ("MSA") BETWEEN CUSTOMER AND SCHLUMBERGER AND, IN THE ABSENCE OF AN ACTIVE MSA, PURSUANT TO THE SCHLUMBERGER GENERAL TERMS AND CONDITIONS.**

**Signature of Customer Authorized Representative:**

**Signature of Schlumberger Representative:**

Silvero Arredondo

Date

Norman Haslauer

Date

## DAILY WORK REPORT

SPN WELL SERVICES, INC.

P.O. BOX 329 • 13066 WCR 20  
FORT LUPTON, CO 80621

3277



Well Services

NO. 61727

LUP 61727

1003064

Date 11-18-19

Customer Noble

State CO

Well / Lease Ritchey H2F-05

County Weld

Company Rep. Scherrie

Time 9:00  
STARTTo 12:30  
FINISH

Area

Rig No. SPN 716

## DESCRIPTION

Arrive to location, Heard that before spot + Rig up, JSA on Rig up then rig up  
JSA on Rig schedule, H2O P.H. 6.5, chloride less 200  
Looped Test Tank + pop off 300psi  
Break Circulation H2O  
Mix + pump 176lbs G/3% Calcium Chloride, 36000 to surface  
Shutdown/Rig Roll Tubing  
Top off 10000 G/3% C.C., 20000 to surface  
EOT 540', T.O.C. surface

## TOOL BOX SAFETY MEETING

ATTENDEES OTHER THAN LISTED BELOW

TOPIC

## CHARGE RECORD

Rig Time	Hrs. @	Per Hr.	\$
Crew Travel x			\$
Mud Pump x Tank			\$
Base Beam			\$
Power Swivel x			\$
Washington Head			\$
Blow-out Preventer x			\$
Flanges x			\$
Tool Pusher			\$
Mud Tank x			\$
Power Rod Tongs x			\$
Fuel	Gals. @	Per Gal	\$
Pipe Dope @ \$	Per Trip		\$
Washington/Stripper Rubber	# @ \$		\$

Fishing Tools x		\$
Light Plant x		\$
Swab Cups	# @ \$	\$
Swab Cups	# @ \$	\$
Oil Svr. Rbr.	# @ \$	\$
TBG Wiper Rubber	# @ \$	\$
Rod Wiper Rubber	# @ \$	\$
Sub Pay (#)	) @ \$	\$
4th Hand		\$
5th Hand	Pump & Bk @ 2.200	
Other	G. Int @ 145k 1865k	
Other	Calcium Chloride @ 410 5000.00	
Other	Sugar @ 150k 1000.00	
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

Matt Blinski / 2 - R

SIGNATURE - SUPERVISOR

OPERATOR

DERRICKMAN

FLOOR HAND

FLOOR HAND

RIG TRAVEL TOTAL

CO14504/CR7933 EPS

DATE 11-18-19  
FIELD TICKET # \_\_\_\_\_

TIME & EQUIPMENT CHARGES	PRICE PER UNIT	MATERIALS CHARGES	PRICE PER UNIT
Man Crew & Pump	\$2,000.00	Class G Cement (50SK Min)	186.18
Man Crew, Pump Plus Bulk Truck	\$2,300.00	Class G + Gas Check Blend	X
Additional Bulk Truck	\$350.00	Sugar	100 LBS
Additional Time On Location After 4 HRS	\$250.00/HR	Mud Flush	X
Job Cancellation	\$450.00	Calcium Chloride	500 LBS