



Well Services

Date: 9/11/20 – 9/15/20

Operator: Noble Energy Inc.

Well Name: Gittlein D 09-07

Legal Location: SWNE Sec. 9 T3N R64W

API # 05-123-19016

Job Log

Weld County

9/11/20: MI RU, check psi:530/520/8psi, pressure test pump lines and BOPs, circulate well with 135bbls of water, ND WH, NU BOPs, TOO H with 76jts, SWI.

9/14/20: check psi:/5/0psi, blow pressure down, TOO H, RU WL to go in and set CIBP@6862' and to spot 2sks of CMT on plug, load well with water, pressure test to 500psi, held good, run in to set 2nd CIBP@6560' and to spot 2sks of CMT on plug, run in to set 3rd CIBP@4226' and to spot 2sks of CMT on plug, run in to shot squeeze holes @2500', establish injection rate with 5bbls of water, run in to shot squeeze holes @2000' and to set CICR@2400', RD WL, TIH with stinger to sting into retainer, RU CMT equip to condition well and to pump 190sks plug(2400'-2000'), RD CMT equip, TOO H, SWI.

Check psi: 0/4psi, blow pressure down, load well with water, monitor well for bubbles, RU WL to go in and cut CSG@1002', RD WL, circulate well with water, ND BOPs and WH, UNLAND CSG, NU BOPs, lay down 7jts to bring EOT@702', RU CMT equip to condition well and to pump CMT yup to surface, lay down CSG, ND BOPs, top off well with CMT(265sks 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: Silverio Arredondo

State Representative: Adam Burns

Wireline Contractor: SPN Well Services – E - Line

SPN CEMENT REPORT

OPERATOR: <i>Noble</i>	DATE: <i>9-14-2020</i>	API# <i>05-123-19016</i>
LEASE NAME: <i>Gittlin D 09-07</i>	RIG # <i>SPN 719</i>	COUNTY: <i>Weld</i>

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5
CEMENT DATE:	<i>9-14-20</i>	<i>9-15-20</i>			
SIZE OF HOLE OR PIPE IN WHICH PLUG PLACED:	<i>4 1/2" 9"</i>	<i>9"</i>			
DEPTH TO BOTTOM OF TUBING OR DRILL PIPE:	<i>2400'</i>	<i>702'</i>			
SACKS OF CEMENT USED (EACH PLUG):	<i>190</i>	<i>265</i>			
SLURRY VOLUME PUMPED:	<i>38.8</i>	<i>54.1</i>			
MEASURED TOP OF PLUG:	<i>2000'</i>	<i>Surface</i>			
SLURRY WT. #/GAL. :	<i>15.8</i>	<i>15.8</i>			
TYPE CEMENT:	<i>G/Net</i>	<i>G/Net</i>			
MUD FLUSH USED BBLs:	<i>10</i>	<i>10</i>			
CALCIUM CHLORIDE USED LBS:	<i>0</i>	<i>0</i>			
SUGAR USED LBS:	<i>50</i>	<i>100</i>			

Matt Belash
 SIGNATURE OF CEMENTER OR AUTHORIZED REPRESENTATIVE

SPN
 NAME OF CEMENTING CO.

202

DATE 9-15-20
FIELD TICKET # _____

WELL NAME & NO. GITTLEIN D 09-07		LOG # 53-36 CR M7 #719		SERIAL # 05-123-19016		LIFT PRESSURE & POP OFF LIFT: 444 PSI POP OFF: 400 PSI	
PUMP:	BULK: 2359	JOB PUMPED THRU:		TUBING	CASING	ANNULUS	
COUNTY:	STATE:	WELL TYPE:		OIL	GAS	WATER INJ.	
weld		AGE OF WELL:		NEW		REWORK	
CUSTOMER NAME:		JOB TYPE:					
NOBLE							
JOB SUPERVISOR:							
SERVICE RATED:		POOR		FAIR		EXCELLENT	
REMARKS:							
CUSTOMER SIGNATURE:							
WELL INFORMATION							
DESCRIPTION							
DEPTH							
TIME							
INJECTION							
PRESSURE							
CEMENT SLURRY							
RATE							
BBLS IN							
CSG							
TBG							
WEIGHT							
YIELD							
REMARKS							
9:00 ON LOCATION							
2:30 ISA MEETING							
2:40 1 5 7500 8.33 TEST 1700 H ₂ O							
2:45 1.5 5 100 8.33 FRESH WATER HEAD H ₂ O							
2:50 6.5 10 100 8.55 MUD FLUSH							
2:55 1.5 5 100 8.33 WATER HEAD H ₂ O							
3:02 2.0 48.1 100 15.8 1.15 MIX 235 SKS G NEAT 4800 BLS							
UP TO SURFACE							
TUBING DEPTH @ 702'							
BLEED OFF PRESSURE							
SHUT DOWN							
3:45 1.0 6.0 50 15.8 1.15 TOP OFF							
A pump 30 sks FOR TOP OFF							
AND pump 235 sks UP							
TO SURFACE							
265 sks TOTAL							