



# Well Services

Date: 9/14/20 – 9/17/20

Operator: Noble Energy Inc.

Well Name: Marshall G32-13JI

Legal Location: SWSW Sec. 32 T4N R65W

API # 05-123-20204

Job Log

Weld County

9/14/20:MI RU, check psi:650/600/0psi, pressure test pump lines and BOPs, controlled well with 130bbls of water, ND WH, NU BOPs, SWI.

9/15/20:check psi:0/0/0psi, TOOH, RU WL to go in and set CIBP@7012' and to spot 2sks of CMT on plug, load well with 85bbls of water to pressure test to 500psi, held good, set 2<sup>nd</sup> CIBP@4307' and to spot 2sks of CMT on plug, shot squeeze holes @2500', stablsh injection rate, shot holes @2000' and set CICR@2400', RD WL, TIH with stinger to sting into retainer, SWI.

9/16/20:check psi:0/0psi, RU CMT equip to condition well and to pump 1185sks plug(2400'-2000'), RD CMT equip, TOOH, RU WL to go in and cut CSG@868', RD WL, ND BOPs and WH, UNLAND CSG, NU BOPs, TOOH, lay down 21-4 ½jts, SWI.

9/17/20:check psi:0psi, TIH with 28jts down to 868', RU CMT equip to condition well and to pump CMT up to surface, lay down TBG, ND BOPs and WH, top off well with CMT(297sks top plug, SWI.

\*\*\*All cement is 15.8 # Class "G" neat cement\*\*\*

Cementing Contractor: SPN Well Services

Cementing Contractor Supervisor: Matt Bulinski

Operator Supervisor: Dallas Russell

State Representative: Abe Serna

Wireline Contractor: SPN Well Services – E - Line

## SPN CEMENT REPORT

OPERATOR: <u>NOBLE</u>	DATE: <u>9-16-20/9-17-20</u>	API# <u>05-123-20704</u>
LEASE NAME: <u>MARSHALL 632-23JL</u>	RIG # <u>712</u>	COUNTY: <u>WELD</u>

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5
CEMENT DATE:	<u>9-16-20</u>	<u>9-17-20</u>			
SIZE OF HOLE OR PIPE IN WHICH PLUG PLACED:	<u>4 1/2 - 9"</u>	<u>8 1/8 - 9"</u>			
DEPTH TO BOTTOM OF TUBING OR DRILL PIPE:	<u>2400'</u>	<u>868'</u>			
SACKS OF CEMENT USED (EACH PLUG):	<u>185 sks</u>	<u>297 sks</u>			
SLURRY VOLUME PUMPED:	<u>37.8 BBLS</u>	<u>61.0 BBLS</u>			
MEASURED TOP OF PLUG:	<u>2000'</u>	<u>SURFACE</u>			
SLURRY WT. #/GAL. :	<u>15.8</u>	<u>15.8</u>			
TYPE CEMENT:	<u>G NEAT</u>	<u>G NEAT</u>			
MUD FLUSH USED BBLS:	<u>10 BBLS</u>	<u>0</u>			
CALCIUM CHLORIDE USED LBS:	<u>0</u>	<u>0</u>			
SUGAR USED LBS:	<u>50</u>	<u>50</u>			

  
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 SIGNATURE OF CEMENTER OR AUTHORIZED REPRESENTATIVE

SPW Well Services  
 \_\_\_\_\_  
 NAME OF CEMENTING CO.



DATE 9-16-20  
FIELD TICKET #

WELL NAME & NO. MARSHALL 632-1312		LOC. 39-38 CR RIG # 712		SERIAL # 05-123-20204		LIFT PRESSURE & POP OFF LIFT: 1500 PSI POP OFF: 1500 PSI	
PUMP: 2900		BULK: 2359		JOB PUMPED THRU:		TUBING Casing ANNULUS	
COUNTY: Wend		STATE: CO		WELL TYPE:		OIL GAS WATER INJ.	
				AGE OF WELL:		NEW Rework	
				JOB TYPE:			
CUSTOMER NAME: NOBLE							
JOB SUPERVISOR:							
SERVICE RATED: POOR FAIR EXCELLENT							
REMARKS:							
CUSTOMER SIGNATURE:							
WELL INFORMATION							
DESCRIPTION DEPTH							
RETAINER 4055							
SET @ 2400' 2000'							
2500'							
TIME INJECTION PRESSURE CEMENT SLURRY REMARKS							
RATE BBLS IN CSG TBG WEIGHT YIELD							
7:00 ON LOCATION							
8:00 JSA MEETING							
8:10 1 .5 2500 8.33 TEST (Non H <sub>2</sub> O)							
8:15 1.5 5 600 8.33 INJECTION RATE H <sub>2</sub> O							
8:20 1.5 10 600 8.55 MUD FLUSH							
8:27 1.5 5 600 8.33 FRESH WATER SPACER H <sub>2</sub> O							
8:32 2.0 37.8 400 15.8 1.15 MIX 185 SKR G NEAT 37.8 BBLS							
9:01 1.5 3.0 600 8.33 RETAINER @ 2400'							
DISPLACE TOC @ 2000'							
SHUT DOWN							
# Pump 155 SKR Through and leave							
30 SKR on TOP.							
# Pump 300 SKR DISPLACE string out							
and pump 4 more BBLS to balance out							
# 185 SKR G NEAT TOTAL.							



DATE 9-17-20  
FIELD TICKET #

[illegible]