



**TREATMENT REPORT**

**LEED ENERGY**

P.O. BOX 329  
FORT LUPTON, CO 80621  
303-654-9202

DATE 11-6-17  
FIELD TICKET # \_\_\_\_\_

WELL NAME & NO. <i>Wells ranch 0012-08</i>		LOC. <i>68-67 ck</i> <i>Fig # 714</i>	SERIAL # <i>425742882</i>			ALLOWABLE PRESSURE TBG: _____ CSG: _____	
POOL	FORMATION	JOB DONE DOWN:		TUBING	CASING	ANNULUS	PACKER TYPE: _____
COUNTY <i>Weld</i>	STATE <i>CO</i>	WELL TYPE:	OIL	GAS	WATER	INJ.	PACKER DEPTH: _____
CUSTOMER NAME <i>Noble</i>		AGE OF WELL	NEW	REWORK	CASING SIZE: <i>8 5/8 #24</i>		
ADDRESS		TYPE OF SERVICE		CASING DEPTH: _____			TUBING SIZE: <i>2 3/8 #47</i>
CITY, STATE, ZIP:				TUBING DEPTH: <i>9</i>			OPEN HOLE: <i>9"</i>
TELEPHONE				CSG OR ANRL VOL: _____			TBG VOLUME: _____
TREATMENT NO.							
CUST. REMARKS							
SERVICE RATED		POOR	FAIR	GOOD	EXCELLENT		
CUSTOMER SIGNATURE							
ARRIVED AT LOCATION							

TIME	RATE	BBL IN	CSG	TBG	WEIGHT	YIELD	REMARKS
<i>7:00</i>							<i>ON location</i>
<i>11:30</i>							<i>ISA</i>
<i>11:40</i>	<i>1</i>	<i>.5</i>		<i>2500</i>	<i>8.33</i>		<i>Test iron lines 2500 psi</i>
<i>11:45</i>	<i>1.5</i>	<i>5</i>		<i>100</i>	<i>8.33</i>		<i>Break circulation</i>
<i>11:50</i>	<i>1.5</i>	<i>10</i>		<i>100</i>	<i>8.55</i>		<i>mud flush</i>
<i>12:00</i>	<i>1.5</i>	<i>58</i>		<i>100</i>	<i>15.8</i>	<i>1.15</i>	<i>mix cement 297 skr 61 Whit</i>
							<i>Tubing @ 794 up to surface</i>
							<i>shut down</i>
							<i>Root</i>
<i>13:30</i>	<i>1</i>	<i>3</i>		<i>Ø</i>	<i>15.8</i>	<i>1.15</i>	<i>TOP OFF</i>

TIME LEFT LOCATION:		NAME & UNIT	
AVER. LIQUID INJ. RATE:	<i>1.5</i>		<i>297 skr</i>
MAX. PRESSURE:	<i>2500</i>		<i>10 bbl mud flush</i>
SHUT IN PRESSURE (IMMEDIATE):	<i>100</i>		<i>50 pound sugar</i>
SHUT IN PRESSURE (15 MIN):	<i>Ø</i>		
ENGINEER:	<i>Sergio Juarez</i>		



**TREATMENT REPORT**

**LEED ENERGY**

P.O. BOX 329  
FORT LUPTON, CO 80621  
303-654-9202

DATE 11-2-17  
FIELD TICKET # \_\_\_\_\_

WELL NAME & NO. <i>Wells ranch 1312-08</i>		LOC. <i>67-68-CR</i>	SERIAL # <i>WU 425742982</i>			ALLOWABLE PRESSURE TBG: _____ CSG: _____	
POOL	FORMATION	JOB DONE DOWN: TUBING CASING ANNULUS			PACKER TYPE: _____		
COUNTY	STATE	WELL TYPE: OIL GAS WATER INJ.			PACKER DEPTH: _____		
<i>Weld</i>	<i>CO</i>	AGE OF WELL	NEW	REWORK	CASING SIZE: <i>4 1/2 #11.6</i>		
CUSTOMER NAME <i>Noble</i>		TYPE OF SERVICE			CASING DEPTH: _____		
ADDRESS					TUBING SIZE: <i>2 3/8 #4.7</i>		
CITY, STATE, ZIP:					TUBING DEPTH: <i>2300'</i>		
TELEPHONE					OPEN HOLE: <i>9"</i>		
TREATMENT NO.					CSG OR ANRL VOL: _____		
CUST. REMARKS					TBG VOLUME: _____		
SERVICE RATED		POOR	FAIR	GOOD	EXCELLENT	DEPTH	NO. OF HOLES
CUSTOMER SIGNATURE					<i>2300'</i>	<i>2400'</i>	
ARRIVED AT LOCATION							

TIME	RATE	BBL IN	CSG	TBG	WEIGHT	YIELD	REMARKS
12:00							on location
12:30							JSA
12:40	1	.5		2500	8.33		Test iron lines 2500 PSI
12:45	1.5	15		1000	8.33		Injection Rate 420
13:01	1.5	10		1000	8.55		mud flush
13:17	1.5	33.7		1000	15.8	1.15	mix pump cont 165 skr 33.2 bbls
13:55	1.5	6.8		1000	8.33		tubing @ 2300' TOC @ 4 1/2 2171'
							Displace TOC @ 9" 1890'
							shut down
							post

TIME LEFT LOCATION:		NAME & UNIT	
AVER. LIQUID INJ. RATE:	<i>1.5</i>		<i>165 skr</i>
MAX. PRESSURE:	<i>2500</i>		<i>10 bbls mud flush</i>
SHUT IN PRESSURE (IMMEDIATE):	<i>1000</i>		<i>50 pound sugar</i>
SHUT IN PRESSURE (15 MIN):	<i>0</i>		
ENGINEER:	<i>Sergio Gutierrez</i>		

## LEED CEMENT REPORT

OPERATOR: <i>neble</i>	DATE: <i>11-2-17</i>	API# <i>425742882</i>
LEASE NAME: <i>Wells ranch RR 12-08</i>	RIG # <i>714</i>	COUNTY: <i>Ward</i>

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5
CEMENT DATE:	<i>11-2-17</i>	<i>11-6-17</i>			
SIZE OF HOLE OR PIPE IN WHICH PLUG PLACED:	<i>4 1/2" - 9"</i>	<i>8 5/8" - 9"</i>			
DEPTH TO BOTTOM OF TUBING OR DRILL PIPE:	<i>2300'</i>	<i>794'</i>			
SACKS OF CEMENT USED (EACH PLUG):	<i>165</i>	<i>297</i>			
SLURRY VOLUME PUMPED:	<i>33.7</i>	<i>61</i>			
MEASURED TOP OF PLUG:	<i>2171'</i>	<i>Surface</i>			
SLURRY WT. #/GAL. :	<i>15.8</i>	<i>15.8</i>			
TYPE CEMENT:	<i>G</i>	<i>G</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>50</i>			

*Sergio Butierrez*  
 \_\_\_\_\_  
 SIGNATURE OF CEMENTER OR AUTHORIZED REPRESENTATIVE

*LEED*  
 \_\_\_\_\_  
 NAME OF CEMENTING CO.

CASEHOLE SOLUTIONS																																																																																															
	Rev.121316 A	CUSTOMER P. O. NUMBER	SERV. ORDER	PAGE																																																																																											
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UNIT NUMBER: <b>92-3376</b>		OPERATION TYPE: _____		WELL TYPE: _____		ROUND TRIP MILEAGE: _____																																																																																									
WIRELINE DEPTH: _____		MAX. WELLHEAD PRESSURE: _____		PSI		BOTTOM HOLE PRESSURE: _____																																																																																									
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