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Denver, Colorado 80202
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№ 12159

WELL NO. AND FARM N.B Farms 22-01-1w46		COUNTY Yuma	STATE Colorado	DATE 3-24-14
CHARGE TO Excell		WELL LOCATION SEC. 1 TWP. 1 N RANGE 46 W		CONTRACTOR Excell
		DELIVERED TO CR-35 CR-U	LOCATION 1 Yuma	CODE
		SHIPPED VIA 310140294020-3205-11	LOCATION 2 CR 35-CR U	CODE
		TYPE AND PURPOSE OF JOB Surface	LOCATION 3 Yuma	CODE
			WELL TYPE gas	CODE

[illegible]

If this account is not paid within 30 days of Invoice date a FINANCE CHARGE will be made. Computed at a single monthly rate of 1 1/4% which is equal to an ANNUAL PERCENTAGE RATE OF 18%.

TAX REFERENCES

"TAXES WILL BE ADDED AT CORPORATE OFFICE"

SUBJECT TO CORRECTION

[Signature]
Customer or His Agent

Daren Caruso

Bison Oil Well Cementing, Inc. Representative

Customers hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity



Bison Oil Well Cementing Single Cement Surface Pipe

Cementing Customer Satisfaction Survey

Service Date	3/24/2014
Well Name	N 8 Farms 22-01 1n 46w
County	yuma
State	Colorado
SEC	1
TWP	1n
RNG	46w

Invoice Number	12159
API #	05-125-12077
Job Type	Single Cement Surface Pipe
Company Name	excell

Customer Representative mark Zion

Supervisor Name Aaron Carrasco

Employee Name (Including Supervisor)	
Aaron	
jairo	
oscar	

Exposure Hours (Per Employee)	
2.5	
2.5	
2.5	
7.5	

Total Exposure Hours

Did we encounter any problems on this job?

☐ Yes

☒ No

To Be Completed By Customer

Rating/Description

- 5 - Superior Performance (Established new quality/performance standards)
4 - Exceeded Expectation (Provided more than what was required/expected)
3 - Met Expectations (Did what was expected)
2 - Below Expectations (Job problems/failures occurred - *Recovery made)
1 - Poor Performance (Job problems/failures occurred - *Some recovery made)
*Recovery: resolved issue(s) on jobsite in a timely and professional manner

RATING CATEGORY

- Personnel -
Equipment -
Job Design -
Product/Material -
Health & Safety -
Environmental -
Timeliness -
Condition/Appearance -
Communication -

CUSTOMER SATISFACTION RATING

- Did our personnel perform to your satisfaction?
Did our equipment perform to your satisfaction?
Did we perform the job to the agreed upon design?
Did our products and materials perform as you expected?
Did we perform in a safe and careful manner (Pre/post mtgs, PPE, TSMR, etc..)?
Did we perform in an environmentally sound manner (spills, leaks, cleanup, etc..)?
Was job performed as scheduled (On time to site, accessible to customers, completed when expected)?
Did the equipment condition and appearance meet your expectations?
How well did our personnel communicate during mobilization, rig up and job execution?

Please Circle:

- Yes No Did an accident or injury occur?
Yes No Did an injury requiring medical treatment occur?
Yes No Did a first-aid injury occur?
Yes No Did a vehicle accident occur?
Yes No Was a post-job safety meeting held?

Please Circle:

- Yes No Was a pre-job safety meeting held?
Yes No Was a job safety analysis completed?
Yes No Were emergency services discussed?
Yes No Did environmental incident occur?
Yes No Did any near misses occur?

Additional Comments:

THE INFORMATION HEREIN IS CORRECT -

X

Customer Representative's Signature

DATE:

Any additional Customer Comments or HSE concerns should be described on the back of this form



INVOICE #	LOCATION	FOREMAN	Date
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12159
yuma
Aaron Carrasco
3/25/2014

Customer
Well Name

excell
N B Farms 22-01 1n 46W

Treatment Report Page 2

DESCRIPTION OF JOB EVENTS

[illegible]

Notes:

The day

X

X	Work Performed
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X	Title
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Title	X
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 $\frac{X}{Da}$



Bison Oil Well Cementing Single Cement Surface Pipe

Date: 3/24/2014
Invoice # 12159
API# 05-125-12077
Foreman: Aaron Carrasco

Customer: excell
Well Name: N B Farms 22-01 1n 46w

County: yuma
State: Colorado
Sec: 1
Twp: 1n
Range: 46w
Consultant: mark zion
Rig Name & Number: excell # 2
Distance To Location: 60 miles
Units On Location: 3101-4029-3205-4020-111
Time Requested: 10:00 PM
Time Arrived On Location: 10:00 PM
Time Left Location:

WELL DATA

Casing Size OD (in) : 7
Casing Weight (lb) : 17.00
Casing Depth (ft) : 443
Total Depth (ft) : 448
Open Hole Diameter (in.) : 9.88
Conductor Length (ft) : 0
Conductor ID :
Shoe Joint Length (ft) : 40
Landing Joint (ft) : 9

Max Rate:
Max Pressure:

Cement Data

Cement Name: BFN III
Cement Density (lb/gal) : 15.2
Cement Yield (cuft) : 1.07
Gallons Per Sack: 4.20
% Excess: 0%
Displacement Fluid lb/gal: 8.3
BBL to Pit: 15.0
Fluid Ahead (bbls): 15.0
H2O Wash Up (bbls): 20.0

Spacer Ahead Makeup

Casing ID 6.538 Casing Grade J-55 only used

Calculated Results

cuft of Shoe 9.33 cuft
(Casing ID Squared) X (.005454) X (Shoe Joint ft)
cuft of Conductor 0.00 cuft
(Conductor Width Squared) - (Casing Size OD Squared) X (.005454) X (Conductor Length ft)
cuft of Casing 117.22 cuft
(Open Hole Squared) - (Casing Size Squared) X (.005454) X (Casing Depth - Conductor Length)
Total Slurry Volume 126.55 cuft
(cuft of Shoe) + (cuft of Conductor) + (cuft of Casing)
bbls of Slurry 22.54 bbls
(Total Slurry Volume) X (.1781) X (% Excess Cement)
Sacks Needed 118 sk
(Total Slurry Volume) ÷ (Cement Yield) X (% Excess Cement)
Mix Water 11.83 bbls
(Sacks Needed) X (Gallons Per Sack) ÷ 42

Displacement: 17.11 bbls
(Casing ID Squared) X (.0009714) X (Casing Depth + Landing Joint - Shoe Joint)
Pressure of cement in annulus
Hydrostatic Pressure: 349.79 PSI
Pressure of the fluids inside casing
Displacement: 173.77 psi
Shoe Joint: 31.58 psi
Total 205.35 psi
Differential Pressure: 144.44 psi
Collapse PSI: #N/A psi
Burst PSI: #N/A psi
Total Water Needed: 63.93 bbls

X

Authorization To Proceed

Customers hereby acknowledges and specifically agrees to the terms and condition on this work order, including, without limitation, the provisions on this work order.

M/D TOTCO 2000 SERIES

— PSI — Barrels / Minute — Lbs / Gallon

