

**1738 Wynkoop St., Ste. 102
Denver, Colorado 80202
Phone: 303-296-3010
Fax: 303-298-8143
E-mail: bisonoil1@qwestoffice.net**



12105

WELL NO. AND FARM Five Rivers 22-19-2N 46W	COUNTY Yuma	STATE CO	DATE 3-18-14
CHARGE TO Excel	WELL LOCATION SEC. 19 TWP. 22N RANGE 46W		CONTRACTOR mark
	DELIVERED TO 392R	LOCATION 1 SHOP	CODE
	SHIPPED VIA 4028-3102 4020-3202	LOCATION 2 392R	CODE
	TYPE AND PURPOSE OF JOB surface	LOCATION 3 SHOP	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 1/2% which is equal to an ANNUAL PERCENTAGE RATE OF 18%.

TAX REFERENCES

"TAXES WILL BE ADDED AT CORPORATE OFFICE"

SUBJECT TO CORRECTION

Mr. Jones
Customer or His Agent

monte Bedeaus

Elson 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

Date: 3/18/2014
Invoice #: 12105
API#:
Foreman: monte

Customer: excell 2
Well Name: five rivers 22-19-2n-46w

County: yuma
State: colorado
Sec: 19
Twp: 2n
Range: 46w
Consultant: mark
Rig Name & Number: excell 2
Distance To Location: 134.5
Units On Location: 4028-3102 4020-3202
Time Requested: 5:00pm
Time Arrived On Location: 4:45pm
Time Left Location:

WELL DATA

Casing Size OD (in) : 7
Casing Weight (lb) : 17.00
Casing Depth (ft) : 495
Total Depth (ft) : 506
Open Hole Diameter (in.) : 9.93
Conductor Length (ft) :
Conductor ID :
Shoe Joint Length (ft) : 40
Landing Joint (ft) : 6

Max Rate:
Max Pressure:

Cement Data

Cement Name: b3 lite
Cement Density (lb/gal) : 15.2
Cement Yield (cuft) : 1.07
Gallons Per Sack: 4.20
% Excess: 125%
Displacement Fluid lb/gal:
BBL to Pit:
Fluid Ahead (bbls): 10.0
H2O Wash Up (bbls): 20.0
Spacer Ahead Makeup
10 fresh

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 133.65 cuft
(Open Hole Squared) - (Casing Size Squared) X (.005454) X (Casing Depth - Conductor Length)
Total Slurry Volume 142.98 cuft
(cuft of Shoe) + (cuft of Conductor) + (cuft of Casing)
bbls of Slurry 57.29 bbls
(Total Slurry Volume) X (.1781) X (% Excess Cement)
Sacks Needed 301 sk
(Total Slurry Volume) ÷ (Cement Yield) X (% Excess Cement)
Mix Water 30.07 bbls
(Sacks Needed) X (Gallons Per Sack) ÷ 42

Displacement: 19.14 bbls
(Casing ID Squared) X (.0009714) X (Casing Depth + Landing Joint - Shoe Joint)

Pressure of cement in annulus

Hydrostatic Pressure: 390.85 PSI

Pressure of the fluids inside casing

Displacement: #N/A psi

Shoe Joint: 31.58 psi

Total #N/A psi

Differential Pressure: #N/A psi

Collapse PSI: #N/A psi

Burst PSI: #N/A psi

Total Water Needed: 79.21 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.



INVOICE #	LOCATION	FOREMAN	Date
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12105
yuma
monte
3/18/2014

Customer
Well Name

excell 2
five rivers 22-19-2n-46w

Treatment Report Page 2

DESCRIPTION OF JOB EVENTS

[illegible]

Notes:

safty meeting, miru, pressure test per company man, circulate 1/2 bbl ahead, mix and pump 300 sks cement at 15.2, 1.07 yield, 4.2 h2o, displace 19 bbls h2o in stages

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X
Date



Bison Oil Well Cementing Single Cement Surface Pipe

Cementing Customer Satisfaction Survey

Service Date	3/18/2014
Well Name	five rivers 22-19-2n-46w
County	yuma
State	colorado
SEC	19
TWP	2n
RNG	46w

Invoice Number	12105
API #	0
Job Type	Single Cement Surface Pipe
Company Name	excell 2

Customer Representative	mark
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Supervisor Name	monte bedeaux
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Employee Name (Including Supervisor)
monte b.
jairo
oscar

Exposure Hours (Per Employee)
5
5
5
15

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

CUSTOMER SATISFACTION RATING

Personnel -	Did our personnel perform to your satisfaction?
Equipment -	Did our equipment perform to your satisfaction?
Job Design -	Did we perform the job to the agreed upon design?
Product/Material -	Did our products and materials perform as you expected?
Health & Safety -	Did we perform in a safe and careful manner (Pre/post mtgs, PPE, TSMR, etc..)?
Environmental -	Did we perform in an environmentally sound manner (spills, leaks, cleanup, etc..)?
Timeliness -	Was job performed as scheduled (On time to site, accessible to customers, completed when expected)?
Condition/Appearance -	Did the equipment condition and appearance meet your expectations?
Communication -	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

M/D TOTCO 2000 SERIES

— PSI — Barrels / Minute — Barrels — Lbs / Gallon Stage Volume

