



Bison Oil Well Cementing

Customer: NOBLE
Well Name: HERBST 27-06

Invoice # 72081
API# 05-123-12
Foreman: AARON
Date 1/1/201

County: WELD
State: Colorado
Sec: 27
Twp: 5N
Range: 64W

Consultant: PETE
Rig Name & Number: ENSIGN 302
Distance To Location: 15 MILES
Units On Location: 3101-4029-4037-3214
Time Requested: 8AM
Time Arrived On Location: 8AM

Plug Job

Well Data

OD Inches	
String Weight Per ft	1 1/4
First Plug Sacks	185
First Plug Depth	411
Second Plug Sacks	
Second Plug Depth	
Third Plug Sacks	
Third Plug Depth	
Fourth Plug Sacks	
Fourth Plug Depth	
ID	#N/A
First Plug Displacement	#N/A bbl
Second Plug Displacement	#N/A bbl
Thirst Plug Displacement	#N/A bbl
Fourth Plug Displacement	#N/A bbl
bbls of Spacer Ahead	5 bbls

bbls of Slurry

First Plug bbls of Slurry	37.8908 bbls
Second Plug bbls of Slurry	0.0000 bbls
Third Plug bbls of Slurry	0.0000 bbls
Fourth Plug bbls of Slurry	0.0000 bbls

First Plug Cement Data

Cement Name: G CEMENT
Cement Density (lb/gal) : 15.8
Cement Yield (cuft) : 1.15
Gallons Per Sack: 5.00

Second Plug Cement Data

Cement Name: Neat g
Cement Density (lb/gal) :
Cement Yield (cuft) :
Gallons Per Sack:

Third Plug Cement Data

Cement Name: neat g
Cement Density (lb/gal) :
Cement Yield (cuft) :
Gallons Per Sack:

Fourth Plug Cement Data

Cement Name:
Cement Density (lb/gal) :
Cement Yield (cuft) :
Gallons Per Sack:

Displacement Fluid lb/gal: 8.3
Fluid Ahead (bbls): 15.0
H2O Wash Up (bbls): 20.0

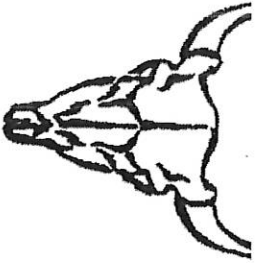
bbls of Mix Water

First Plug bbls Mix Wate	22.0238 bbls
Second Plug bbls Mix Wat	0.0000 bbls
Third Plug bbls Mix Wate	0.0000 bbls
Fourth Plug bbls Mix Wat	0.0000 bbls

X

Authorized 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.



Bison Oil Well Cementing
Single Cement Surface Pipe

Customer
Well Name

NOBLE
HERBST 27-06

INVOICE #
LOCATION
FOREMAN
Date

72081
WELD
AARON
1/1/2015

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DESCRIPTION OF JOB EVENTS

Safety Meeting	8:45AM	Displace 1			Displace 2			Displace 3			Displace 4		
	8:05AM	MBLS	Time	PSI	MBLS	Time	PSI	MBLS	Time	PSI	MBLS	Time	PSI
MIRU		0			0			0			0		
CIRCULATE		10			10			10			10		
CIRCULATE	8:50AM	20			20			20			20		
CIRCULATE		30			30			30			30		
CIRCULATE		40			40			40			40		
M & P		50			50			50			50		
		60			60			60			60		
First Plug	8:55AM	70			70			70			70		
Second Plug		80			80			80			80		
Third Plug		90			90			90			90		
Fourth Plug		100			100			100			100		
		110			110			110			110		
	22	120			120			120			120		
		130			130			130			130		
		140			140			140			140		
		150			150			150			150		
Later Temp	41F												

Notes:

X		X
Work Performed	Title	Date