



Bison Oil Well Cementing Tail & Lead

Customer: Crestone Peak Resources
Well Name: Davis 1S-9H-G266

Date: 5/13/2018
Invoice # 900294
API# 05-123-46513
Foreman: Corey Barras

County: Weld
State: Colorado
Sec: 4
Twp: 1N
Range: 65W

Consultant: Jerry Thorstad
Rig Name & Number: Ensign 135
Distance To Location: 26 Miles
Units On Location: 4027-3103/4041-3205/4039-3214
Time Requested: 500
Time Arrived On Location: 415
Time Left Location:

WELL DATA

Casing Size (in) : 9.625
Casing Weight (lb) : 40
Casing Depth (ft.) : 2,187
Total Depth (ft) : 2207
Open Hole Diameter (in) : 13.50
Conductor Length (ft) : 98
Conductor ID : 15.5
Shoe Joint Length (ft) : 82
Landing Joint (ft) : 10

Sacks of Tail Requested 190
HOC Tail (ft): 0

One or the other, cannot have quantity in both

Max Rate:
Max Pressure:

Cement Data

Lead

Cement Name:
Cement Density (lb/gal) : 13.5
Cement Yield (cuft) : 1.68
Gallons Per Sack 8.90
% Excess 30%

Tail

Cement Name:
Cement Density (lb/gal) : 15.2
Cement Yield (cuft) : 1.27
Gallons Per Sack: 5.89
% Excess: 0%

Fluid Ahead (bbls) 60.0
H2O Wash Up (bbls) 20.0

Spacer Ahead Makeup
60 BBL with Die in Last 10

Casing ID 8.835

Casing Grade J-55 only used

Lead Calculated Results

HOC of Lead 1656.70 ft
Casing Depth - HOC Tail
Volume of Lead Cement 809.68 cuft
HOC of Lead X Open Hole Ann
Volume of Conductor 78.90 cuft
(Conductor ID Squared) - (Casing Size OD Squared) X (.005454) X
(Conductor Length ft)
Total Volume of Lead Cement 888.57 cuft
(cuft of Lead Cement) + (Cuft of Conductor)
bbls of Lead Cement 205.73 bbls
(Total cuft of Lead Cement) X (.1781) X (1+%Lead Excess)
Sacks of Lead Cement 687.59 sk
(Total Slurry Volume) ÷ (Cement Yield) X (% Excess Cement)
bbls of Lead Mix Water 145.70 bbls
(Sacks Needed) X (Gallons Per Sack) ÷ 42
Displacement 160.32 bbls
(Casing ID Squared) X (.0009714) X (Casing Depth) + (Landing Joint) - (Shoe Length)
Total Water Needed: 412.67 bbls

Tail Calculated Results

Tail Cement Volume In Ann 241.30 cuft
(HOC Tail) X (OH Ann)
Total Volume of Tail Cement 206.39 Cuft
(HOC Tail X OH Ann) - (Shoe Length X Shoe Joint Ann)
bbls of Tail Cement 42.98 bbls
(HOC of Tail) X (OH Ann) + (Cement Yield) X (Shoe Joint Ann) X (.1781) X (% Excess)
HOC Tail 422.30 ft
(Tail Cement Volume) ÷ (OH Ann)
Sacks of Tail Cement 190.00 sk
(Total Volume of Tail Cement) ÷ (Cement Yield)
bbls of Tail Mix Water 26.65 bbls
(Sacks of Tail Cement X Gallons Per Sack) ÷ 42
Pressure of cement in annulus
Hydrostatic Pressure 585.23 PSI
Collapse PSI: 2570.00 psi
Burst PSI: 3950.00 psi

X Bud Burke

Authorization To Proceed

Bud Burke



Bison Oil Well Cementing Tail & Lead

Cementing Customer Satisfaction Survey

Service Date	5/13/2018
Well Name	Davis 1S-9H-G266
County	Weld
State	Colorado
SEC	4
TWP	1N
RNG	65W

Invoice Number	900294
API #	05-123-46513
Job Type	Two Cement
Company Name	Crestone Peak Resources

Customer Representative Buddy Burke

Supervisor Name Corey Barras

Employee Name (Including Supervisor)
Corey B.
Monte B.
Nash M.
Tommie H.

Exposure Hours (Per Employee)
4
4
4
4
16

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
4	Personnel -
3	Equipment -
3	Job Design -
3	Product/Material -
4	Health & Safety -
3	Environmental -
3	Timeliness -
3	Condition/Appearance -
4	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

Yes ☒ No

Yes ☒ No

Yes ☒ No

Yes ☒ No

Did an accident or injury occur?

Did an injury requiring medical treatment occur?

Did a first-aid injury occur?

Did a vehicle accident occur?

Was a post-job safety meeting held?

Please Circle:

Yes ☒ No

Yes ☒ No

Yes ☒ No

Yes ☒ No

Yes ☒ No

Was a pre-job safety meeting held?

Was a job safety analysis completed?

Were emergency services discussed?

Did environmental incident occur?

Did any near misses occur?

Additional Comments:

THE INFORMATION HEREIN IS CORRECT -

X Buddy Burke 5/13/18

Customer Representative's Signature

DATE: _____

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

Davis 1S-9H-G266

