

PICEANCE ENERGY LLC - EBUS

Sup & Shep 25-11W

Majors 24

Post Job Summary

Cement Surface Casing

Date Prepared: 09/26/2014

Job Date: 09/15/2014

Submitted by: Aaron Katz – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 344919	Ship To #: 3560733	Quote #: 0021920007	Sales Order #: 0901632324
Customer: PICEANCE ENERGY LLC - EBUS		Customer Rep: MATT SETTLES	
Well Name: SUP & SHEP FEDERAL	Well #: 25-11W	API/UWI #: 05-077-10218-00	
Field: BUZZARD CREEK	City (SAP): COLLBRAN	County/Parish: MESA	State: COLORADO
Legal Description: NE SW-25-9S-93W-2505FSL-1939FWL			
Contractor:		Rig/Platform Name/Num: Majors 24	
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HX41066		Srvc Supervisor: Eric Carter	
Job			

Formation Name	
Formation Depth (MD)	Top 60 FT. Bottom 1538 FT.
Form Type	BHST
Job depth MD	1533ft Job Depth TVD
Water Depth	Wk Ht Above Floor 5 FT.
Perforation Depth (MD)	From To

Well Data

Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Casing		16	15.25	65			0	60		
Casing		8.625	8.097	24		J-55	0	1533		0
Open Hole Section			11				60	1538		0

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe					Top Plug	8.625	1	HES
Float Shoe					Bottom Plug	8.625	1	HES
Float Collar					SSR plug set			
Insert Float					Plug Container	8.625	1	HES
Stage Tool					Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty

Fluid Data

Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Fresh Water	Fresh Water	20	bbl	8.33			4		
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
2	VariCem GJ5	VARICEM (TM) CEMENT	195	sack	12.3	2.45	14.17	6		

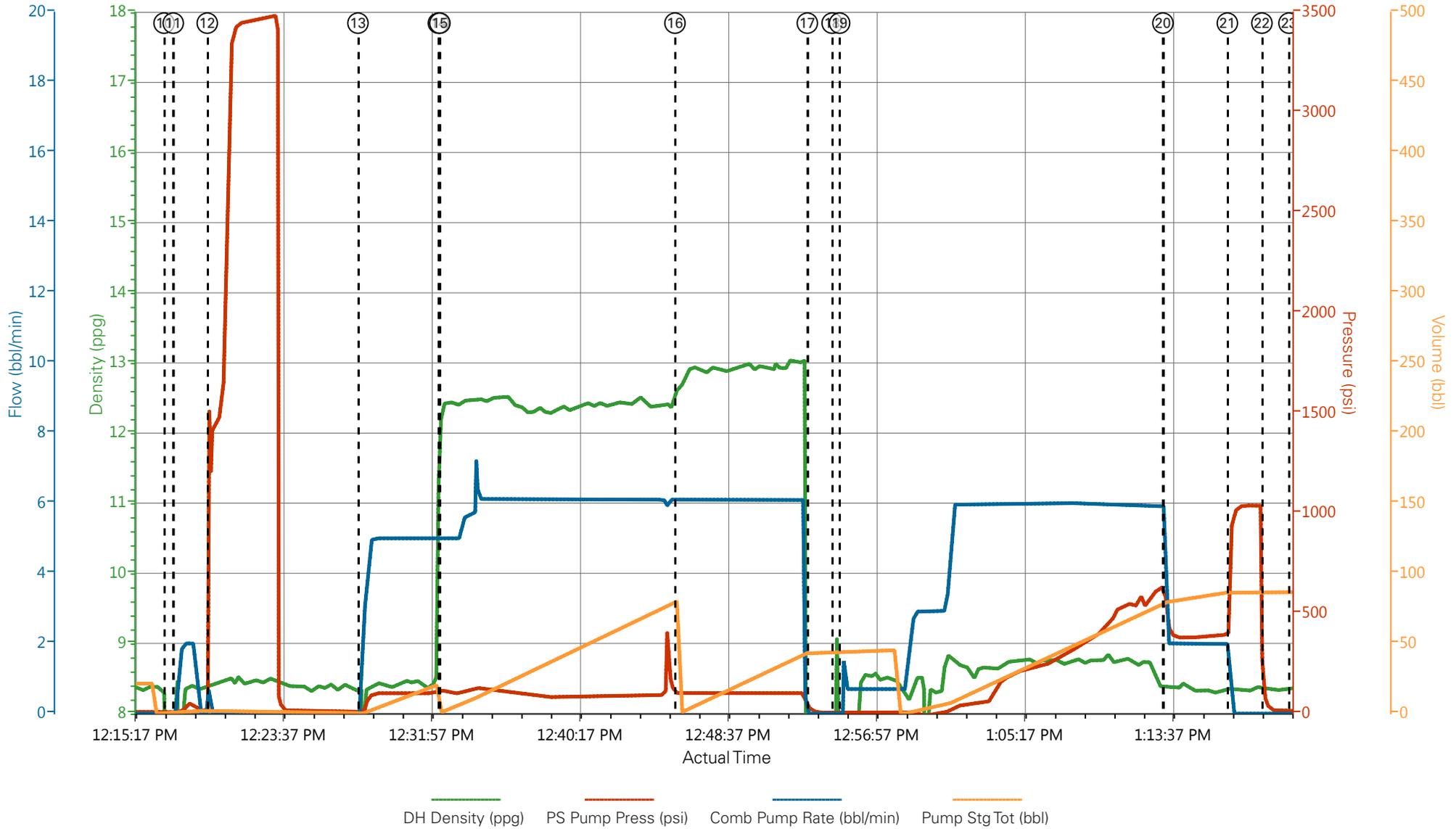
14.12 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft³/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
3	VariCem GJ5	VARICEM (TM) CEMENT	110	sack	12.8	2.18	12.11	6	
12.05 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft³/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
4	Fresh Water Displacement	Fresh Water Displacement	95.1	bbl	8.3			6	
Cement Left In Pipe	Amount	37 ft			Reason	Shoe Joint			
Comment									

3.5 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	DH Density (ppg)	PS Pump Press (psi)	Comb Pump Rate (bbl/min)	Pump Stg Tot (bbl)	Comment
Event	1	Call Out	9/15/2014	06:00:00	USER					
Event	2	Depart Yard Safety Meeting	9/15/2014	07:50:00	USER					ATTENDED BY ALL HES CREW
Event	3	Crew Leave Yard	9/15/2014	08:00:00	USER					
Event	4	Arrive At Loc	9/15/2014	10:30:00	USER					RIG LANDING CASING
Event	5	Assessment Of Location Safety Meeting	9/15/2014	10:40:00	USER					ATTENDED BY ALL HES CREW
Event	6	Other	9/15/2014	10:50:00	USER					SPOT EQUIPMENT
Event	7	Pre-Rig Up Safety Meeting	9/15/2014	11:00:00	USER					ATTENDED BY ALL HES CREW
Event	8	Rig-Up Equipment	9/15/2014	11:10:00	USER					
Event	9	Pre-Job Safety Meeting	9/15/2014	11:50:00	USER					ATTENDED BY ALL HES CREW, RIG CREW AND COMPANY REP
Event	10	Start Job	9/15/2014	12:17:05	USER					TP 1532.1', TD 1538', MW 9 PPG, CASING 8.625", 24#, J-55, SJ 36.86', HOLE 11", RIG CIRCULATED FOR 1 HR PRIOR TO JOB
Event	11	Fill Lines	9/15/2014	12:17:36	USER	8.34	50	2	2	FRESH WATER
Event	12	Test Lines	9/15/2014	12:19:30	USER					PRESSURED UP TO 3450 PSI, PRESSURE HELD
Event	13	Pump Spacer	9/15/2014	12:27:59	USER	8.34	105	4	20	FRESH WATER
Event	14	Drop Bottom Plug	9/15/2014	12:32:30	USER					PLUG LAUNCHED
Event	15	Pump Lead Cement	9/15/2014	12:32:35	USER	12.3	130	6	85.1	195 SKS VARICEM MIXED AT 12.3 PPG, 2.45 YIELD, 14.17 GL/SK
Event	16	Pump Tail Cement	9/15/2014	12:45:48	USER	12.8	110	6	42.7	110 SKS VARICEM MIXED AT 12.8 PPG, 2.18 YIELD, 12.11 GL/SK
Event	17	Shutdown	9/15/2014	12:53:14	USER					
Event	18	Drop Top Plug	9/15/2014	12:54:38	USER					PLUG LAUNCHED
Event	19	Pump Displacement	9/15/2014	12:55:03	USER	9	590	6	85.1	WBM AT 9 PPG
Event	20	Slow Rate	9/15/2014	13:13:13	USER	8.34	400	2	10	FRESH WATER
Event	21	Bump Plug	9/15/2014	13:16:50	USER		1050			PLUG LANDED

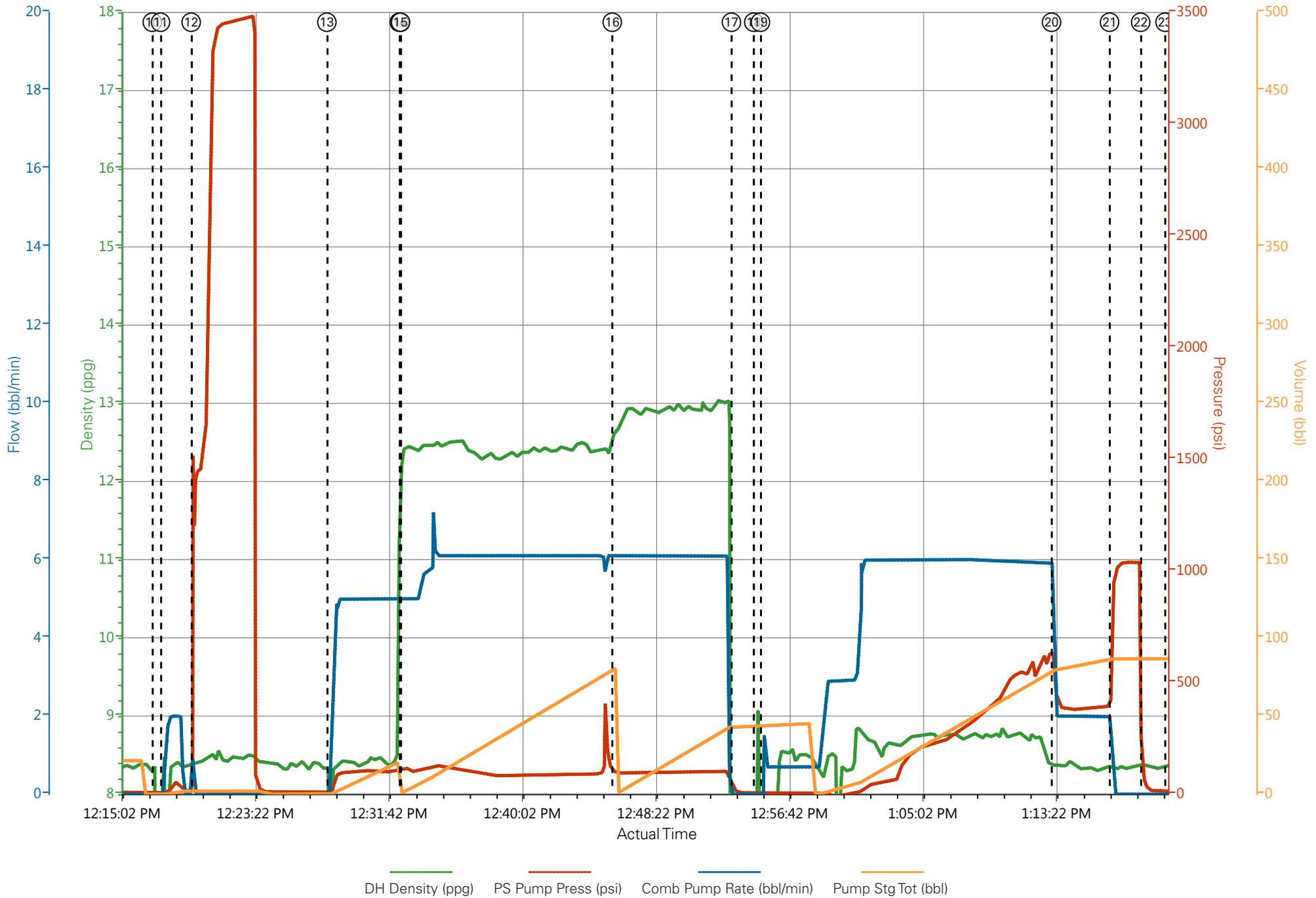
Event	22	Check Floats	9/15/2014	13:18:47	USER	FLOATS HELD
Event	23	End Job	9/15/2014	13:20:18	USER	GOOD CIRCULATION THROUGH OUT JOB, 24 BBLS CEMENT TO SURFACE, PIPE NOT MOVED DURING JOB
Event	24	Post-Job Safety Meeting (Pre Rig-Down)	9/15/2014	13:25	USER	ATTENDED BY ALL HES CREW
Event	25	Rig-Down Equipment	9/15/2014	13:30	USER	
Event	26	Depart Location Safety Meeting	9/15/2014	13:50	USER	ATTENDED BY ALL HES CREW
Event	27	Crew Leave Location	9/15/2014	14:00	USER	THANK YOU FOR USING HALLIBURTON CEMENT, ERIC CARTER AND CREW.

PICEANCE ENERGY - SUP & SHEEP 25-11W - SURFACE



- | | | | | |
|---|---|------------------------------------|---------------------------------------|----------------------|
| ① Call Out n/a;n/a;n/a;n/a | ⑥ Other n/a;n/a;n/a;n/a | ⑪ Fill Lines 8.39;7;0;0 | ⑯ Pump Tail Cement 12.64;100;6.1;80.5 | ⑳ Bump Plug 8.35;9 |
| ② Depart Yard Safety Meeting n/a;n/a;n/a;n/a | ⑦ Pre-Rig Up Safety Meeting n/a;n/a;n/a;n/a | ⑫ Test Lines 8.42;1207;0;2 | ⑰ Shutdown 0.41;19;0;43 | ㉑ Check Floats 8.38; |
| ③ Crew Leave Yard n/a;n/a;n/a;n/a | ⑧ Rig-Up Equipment n/a;n/a;n/a;n/a | ⑬ Pump Spacer 8.35;9;1;0 | ⑱ Drop Top Plug 7.95;6;0;43 | ㉒ End Job 8.4;13;0;0 |
| ④ Arrive At Loc n/a;n/a;n/a;n/a | ⑨ Pre-Job Safety Meeting 8.37;10;0;21.4 | ⑭ Drop Bottom Plug 12.43;113;5;1.1 | ㉓ Pump Displacement 0.14;6;0;43 | ㉔ Post-Job Safety M |
| ⑤ Assessment Of Location Safety Meeting n/a;n/a;n/a;n/a | ⑩ Start Job 2.03;9;0;0 | ⑮ Pump Lead Cement 12.4;117;5;1.5 | ㉔ Slow Rate 8.39;509;2;79.5 | ㉕ Rig-Down Equipm |

PICEANCE ENERGY - SUP & SHEEP 25-11W - SURFACE



HALLIBURTON

Water Analysis Report

Company: PICEANCE ENERGY

Date: 9/26/2014

Submitted by: ERIC CARTER

Date Rec.: 9/26/2014

Attention: J.Trout

S.O.# 901632324

Lease MAJORS 24

Job Type: SURFACE

Well # 25-11W

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	0 Mg / L
Hrdness	<i>500</i>	425 Mg / L
Iron (FE2)	<i>300</i>	0 Mg / L
Chlorides (Cl)	<i>3000</i>	250 Mg / L
Sulfates (SO ₄)	<i>1500</i>	<200 Mg / L
Temp	<i>40-80</i>	68 Deg
Total Dissolved Solids		80 Mg / L

Respectfully: ERIC CARTER

Title: CEMENTING SUPERVISOR

Location: Grand Junction, CO

NOTICE:

This report is limited to the described sample tested. Any person using or relying on this report agrees that Halliburton shall not be liable for any loss or damage whether due to act or omission resulting from such report or it

Sales Order #: 0901632324	Line Item: 10	Survey Conducted Date: 9/15/2014
Customer: PICEANCE ENERGY LLC - EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: MATT SETTLES		API / UWI: (leave blank if unknown) 05-077-10218-00
Well Name: SUP & SHEP FEDERAL		Well Number: 0080641306
Well Type: DIRECTIONAL GAS	Well Country: USA	
H2S Present: No	Well State: COLORADO	Well County: MESA

Dear Customer,

We hope that you were satisfied with the service quality of this job performed by Halliburton. It is the aim of our management and service personnel to deliver equipment and service of a standard unmatched in the service sector of the energy industry.

Please take the time to let us know if our performance met with your satisfaction. Please be as critical as possible to ensure we constantly improve our service. Your comments are of great value to us and are intended for the exclusive use of Halliburton.

CUSTOMER SATISFACTION SURVEY

CATEGORY	CUSTOMER SATISFACTION RESPONSE	
Survey Conducted Date	The date the survey was conducted	9/15/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HX15491
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	MATT SETTLES
HSE	Was our HSE performance satisfactory? Circle Y or N	Yes
Equipment	Were you satisfied with our Equipment? Circle Y or N	Yes
Personnel	Were you satisfied with our people? Circle Y or N	Yes
Customer Comment	Customer's Comment	

CUSTOMER SIGNATURE

Sales Order #: 0901632324	Line Item: 10	Survey Conducted Date: 9/15/2014
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Well Name: SUP & SHEP FEDERAL		Well Number: 0080641306
Well Type: DIRECTIONAL GAS	Well Country: USA	
H2S Present: No	Well State: COLORADO	Well County: MESA

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	9/15/2014
The date the survey was conducted	

Cementing KPI Survey	
Type of Job	0
Select the type of job. (Cementing or Non-Cementing)	
Select the Maximum Deviation range for this Job	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
Total Operating Time (hours)	3
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
HSE Incident, Accident, Injury	No
HSE Incident, Accident, Injury. This should be recordable incidents only.	
Was the job purpose achieved?	Yes
Was the job delivered correctly as per customer agreed design?	
Pumping Hours	1
Total number of hours pumping fluid on this job. Enter in decimal format.	
Type of Rig Classification Job Was Performed	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
Number Of JSAs Performed	5
Number Of Jsas Performed	
Was this a Primary Cement Job (Yes / No)	Yes
Primary Cement Job= Casing job, Liner job, or Tie-back job.	
Number of Unplanned Shutdowns	0
Unplanned shutdown is when injection stops for any period of time.	
Customer Non-Productive Rig Time (hrs)	0

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Well Name: SUP & SHEP FEDERAL		Well Number: 0080641306
Well Type: DIRECTIONAL GAS	Well Country: USA	
H2S Present: No	Well State: COLORADO	Well County: MESA

Lost time due to Halliburton in the start, execution, or completion of an ordered service or product, or delays in a follow-on service. Enter in decimal format. 0 if none.	
Did We Run Wiper Plugs? Did We Run Top And Bottom Casing Wiper Plugs?	Both
If a top plug was run, was the plug bumped? (Yes/No/N/A) If a top plug was run, was the plug bumped? (Yes/No/N/A)	Yes
If applicable, did the floats hold? (Yes/No/N/A) If applicable, did the floats hold? (Yes/No/N/A)	Yes
Mixing Density of Job Stayed in Designed Density Range (0-100%) Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100	98
Pump Rate (percent) of Job Stayed At Designed Pump Rate Pump Rate range defined as +/- 1bbl/min. Calculation: Total BBLs of fluid pumped at the designed rate divided by Total BBLs of fluid pumped, multiplied by 100	98
If applicable, were there returns throughout the job? (Yes/No/N/A) If applicable, were there returns throughout the job? (Yes/No/N/A)	Y
Nbr of Remedial Plug Jobs Rqd - HES Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES	0
Nbr of Remedial Sqz Jobs Rqd - HES Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES	0