

JOB SUMMARY				PROJECT NUMBER TN # 992	TICKET DATE 7/19/2014
COUNTY Stanton	COMPANY Linn Energy		CUR / DEALER REP Orlando		
LEASE NAME Mater	WELL NO. C4 ATU 267	JOB TYPE Surface	EMPLOYEE NAME BEAU CLEM		

BEAU CLEM					
SHAWN COTTON					
DANIEL MUNIZ					

Form Name Chase-Council Grove Type: _____
Packer Type _____ Set At _____
Bottom Hole Temp. _____ Pressure _____
Retainer Depth _____ Total Depth _____

Date	Called Out 7/19/14	On Location 07/19/14	Job Started 07/19/14	Job Completed 07/19/14
Time	11:37am	6:00PM	7:32PM	8:37PM

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Valve	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	Now	24	8.625	J-55	0	730	2000
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole							
Perforations							Shots/Ft.
Perforations							
Perforations							

Materials

Mud Type	Disp. Fluid	Density	0	Lb/Gal
H2O	BBL	10		
Spacer type	BBL			
Acid Type	Gal.		%	
Acid Type	Gal.		%	
Surfactant	Gal.		in	
NE Agent	Gal.		in	
Fluid Loss	Gal/Lb		in	
Gelling Agent	Gal/Lb		in	
Fric. Red.	Gal/Lb		in	
MISC.	Gal/Lb		in	

Perpac Balls _____ Qty. _____
Other _____
Other _____
Other _____
Other _____

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
07/19/14	3.5	07/19/14	1.0	Surface
Total	3.5	Total	1.0	

Pressures
MAX 836 **AVG. 60**
Average Rates in BPM
MAX 3 **AVG 3**
Cement Left in Pipe
Feet 44 **Reason** **Shoe Joint**

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	455	Premium Class C	2% Calcium Chloride and 25 #/Bbl Cellulose	6.34	1.35	14.8
2						
3						
4						

Summary

Preflush Breakdown	Type: MAXIMUM	Preflush: BBI 10.00	Type: H2O
	Lost Returns: 0	Load & Bkdn: Gal - BBI 40	Pad: Bbl - Gal
	Actual TOC	Excess /Return: BBI 40	Calc. Disp: Bbl
Average (SIP) 5 Min.	Frac. Gradient 10 Min	Calc. TOC: SURFACE	Actual Disp.: 43.00
	15 Min	Treatment: Gal - BBI	Disp Bbl
		Cement Slurry: BBI 109.0	
		Total Volume: BBI 162.00	

CUSTOMER REPRESENTATIVE Walter Higin SIGNATURE

**Thank You For Using
O - TEX Pumping**

JOB SUMMARY		PROJECT NUMBER TN # 996	TRIAL DATE 7/21/2014
COUNTY Stanton	COMPANY Linn Energy	CUSTOMER REP Weldon Higgins	
LEASE NAME Mater	Well No. C4 ATU 267	JOB TYPE Production	
EMP NAME Steve Crocker		EMPLOYEE NAME Steve Crocker	

Steve Crocker					
Tony Lewis					
Hendrick Newsome					
Larry Pickard					

Form. Name _____ Type: _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Retainer Depth _____ Total Depth _____

Date	Called Out	On Location	Job Started	Job Completed
		07/21/14	07/21/14	07/21/14
Time		300	1100	1300

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Valve	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	15.5	5.5	J-40	0	3044	2500
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole							
Perforations							Shots/Ft.
Perforations							
Perforations							

Materials

Mud Type	Qty	Density	Lb/Gal
Disp. Fluid	0	8.33	
Spacer type	diurn Silic BBL	30	
Spacer type	BBL		
Acid Type	Gal	%	
Acid Type	Gal	%	
Surfactant	Gal	In	
NE Agent	Gal	In	
Fluid Loss	Gal/Lb	In	
Gelling Agent	Gal/Lb	In	
Fric. Red	Gal/Lb	In	
MISC.	Gal/Lb	In	

Perfpac Balls _____ Qty _____
 Other _____
 Other _____
 Other _____
 Other _____

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
07/21/14	10.0	07/21/14	2.0	Production
				Pump Spacer 30bbls
				Pump Lead CMT at 11.5
				170bbls
				Pump H2O Displacement
				72bbls
				CMT to Surface: 50bbls
				125sks
				62bbls into Displacement
				pressure dropped and
				we lost returns
Total	10.0	Total	2.0	

Pressures

MAX	AVG
MAX 3.5	AVG 3
Feet 44	Reason Shoe Joint

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	425	O-Tex LowDense	2% Gyp, 2% Calcium Chloride, 2% C-45, 0.4% C-15, 0.4% C-11P, 0.2% C-51, 0.25 #/sk Cellulose	13.28	2.25	11.5
2	0	0	0	0	0	0
3						
4						

Summary

Preflush Breakdown	Type: MAXIMUM	Preflush: BBI	30.00	Type: Sodium Silicate
Average	Actual TOC	Load & Bkdn: Gal - BBI	50	Pad Bbl - Gal
150" 5 Min	Frac. Gradient	Excess /Return BBI	0	Calc Disp Bbl
10 Min	15 Min	Calc. TOC	0	Actual Disp
		Treatment: Gal - BBI	170.0	Disp Bbl
		Cement Slurry BBI	170.0	
		Total Volume BBI	272.00	

CUSTOMER REPRESENTATIVE Weldon Higgins SIGNATURE

Thank You For Using
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