

JOB SUMMARY

PROJECT NUMBER TN # 280		TICKET DATE 10/5/2013
COUNTY Chase-Council Grove		COMPANY Linn Energy
LEASE NAME Baughman		CUSTOMER REP Orlando
Well No E-4 ATU-8	JOB TYPE Surface	EMPLOYEE NAME Bryon Hackett

EMP NAME Bryon Hackett				
Chris Fry				
Beau Clem				
Miguel Garcia				

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

Date	Called Out	On Location	Job Started	Job Completed
	10/05/13	10/04/13	10/05/13	10/05/13
Time	1400	1930	2138	2247

Tools and Accessories		
Type and Size	Qty	Make
Auto Fill Tube	1	IR
Insert Float Valve	1	IR
Centralizers	5	IR
Top Plug	1	IR
HEAD	1	IR
Limit clamp	1	IR
Weld-A	1	IR
Texas Pattern Guide Shoe	1	IR
Cement Basket	0	IR

Well Data							
	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	24	8.625	J-55	KB	814	1500
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole							Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	H2O	8.33	
Spacer type	H20 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

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
10/04/13	4.0	10/05/13	1.0	Surface
				Cement to Surface.
				50 bbls back
Total	4.0	Total	1.0	

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

Pressures			
MAX	AVG	MAX	AVG
1040	100	3	3
Average Rates in BPM			
Cement Left in Pipe			
Feet	44	Reason	Shoe Joint

Cement Data				W/Rq.	Yield	Lbs/Gal
Stage	Sacks	Cement	Additives			
1	515	Premium Class C	2% Calcium Chloride and .25 #/sk Cellulose	6.34	1.35	14.8
2						
3						
4						

Summary			
Preflush Breakdown	Type: MAXIMUM	Preflush: BBL	10.00
	Lost Returns: 0	Load & Bkdn: Gal - BBI	50
	Actual TOC	Excess /Return BBI	0
Average 1st 5 Min	Frac. Gradient 10 Min	Treatment: Gal - BBI	124.0
	15 Min	Cement Slurry: BBI	183.00
		Total Volume: BBI	183.00

CUSTOMER REPRESENTATIVE _____
 SIGNATURE

Thank You For Using
O - TEX Pumping

JOB SUMMARY

PROJECT NUMBER: **TN # 283** TICKET DATE: **10/6/2013**

COUNTY: **Stanton** COMPANY: **Linn Energy**
 LEASE NAME: **Baughman** Well No: **E-4ATU 6** JOB TYPE: **Production**

CUSTOMER REP: **Orlando Lozano**
 EMPLOYEE NAME: **Jessie McClain**

EMP NAME	Jessie McClain				
	Steve Crocker				
	Devin Londagin				

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

Date	Called Out	On Location	Job Started	Job Completed
	10/07/13	10/07/13	10/07/13	10/07/13
Time	0600	130	900	1100

Tools and Accessories		
Type and Size	Qty	Make
Auto Fill Tube	1	IR
Insert Float Valve	1	IR
Centralizers	26	IR
Top Plug	1	IR
HEAD	1	IR
Limit clamp	1	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	1	IR
Cement Basket	0	IR

Well Data							
	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		15.6	5.5	J-55	KB	3112	2500
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			7.875"		K.B.		Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
	WBM	Density	Lb/Gal
Disp. Fluid	H2O	8.33	Lb/Gal
Spacer type	silicate BBL	35	
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

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
10/07/13	11.0	10/07/13	2.0	Production
				Final pump psi: 525 psi
				1 bbl cmt to pit
				6 ft3 / 2 ska
Total	11.0	Total	2.0	

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

Pressures	
MAX 1100	AVG 60
Average Rates in BPM	
MAX 4	AVG 3
Cement Left in Pipe	
Feet 44	Reason Shoe Joint

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	205	Class C	0.2% C-41P, + 5% GYP, + 0.25MBC, CaBoLake	23.49	3.65	10.8
2	95	Class C	2% GEL + 0.2% C-16A, + 2% C.C.	10.4	1.90	13.0
3			DO NOT PUMP OVER 4 B.P.M. WATCH FOR CIRC. WHILE PUMPING JOB. 2 B.P.M. MIN. IF NO CIRC.			
4						

Summary					
Preflush Breakdown	Type: MAXIMUM	Preflush: BBI	35.00	Type: Sodium silicate / H2O	
	Lost Returns	Load & Bkdn: Gal - BBI	68	Pad Bbl - Gal	
	Actual TOC	Excess /Return BBI	73.00	Calc Disp Bbl	
Average	Frac. Gradient	Treatment: Gal - BBI		Actual Disp	73.00
15# 5 Min	10 Min	Cement Slurry: BBI	165.0	Disp Bbl	
	15 Min	Total Volume	273.00		

CUSTOMER REPRESENTATIVE _____

[Signature]
SIGNATURE

Thank You For Using
O - TEX Pumping