

JOB SUMMARY

PROJECT NUMBER TN # 294	TICKET DATE 10/14/2013
COUNTY Morton	COMPANY Linn Energy
LEASE NAME First State Bank of Lan 4 ATU 105	JOB TYPE Surface
CUSTOMER REP Weldon Higgins	
EMPLOYEE NAME Jessie McClain	

EMP NAME					
Jessie McClain					
Steve Crocker					
Angel Garcia					

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

Date	Called Out	On Location	Job Started	Job Completed
	10/14/13	10/14/13	10/14/13	10/14/13
Time	1200	1630	2100	2230

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	2	IR
Texas Pattern Guide Shoe	1	IR
Cement Basket	0	IR

Well Data						
	New/Used	Weight	Size	Grade	From	To
Casing	New	24	8.625	J45	KB	730'
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	
10/14/13	6.5	10/14/13	1.5	Surface
				Final Pump psi: 300 psi
				48 bbls cmt returned to pit
				270 ft3 / 200 sks
Total	6.5	Total	1.5	

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

Pressures	
MAX 950	AVG 100
Average Rates in BPM	
MAX 4	AVG 3
Cement Left in Pipe	
Feet 43.70'	Reason Shoe Joint

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq	Yield	Lbs/Gal
1	450	Premium Class C	2% Calcium Chloride and .25 #/sk Cellufake	6.34	1.35	14.8
2						
3						
4						

Summary			
Preflush	Type: H2O	Preflush: BBI	10.00
Breakdown	MAXIMUM	Load & Bkdn: Gal - BBI	
	Lost Returns-N	Excess /Return BBI	48
Average	Actual TOC	Calc TOC	Surface 43.60
	Frac. Gradient	Treatment: Gal - BBI	
ICIP 5 Min	10 Min	Cement Slurry: BBI	108.0
	15 Min	Total Volume: BBI	161.60

CUSTOMER REPRESENTATIVE *Weldon Higgins* SIGNATURE

Thank You For Using
 O - TEX Pumping

JOB SUMMARY

COUNTY
Morton

COMPANY
Linn Energy
JOB TYPE
Production

PROJECT NUMBER
TN # 298

TICKET DATE
10/16/2013

LEASE NAME
First State Bank of Lan 4 ATU 105

CUSTOMER REP
Weldon Higgins
EMPLOYEE NAME
Jessie McClain

EMP NAME
Jessie McClain

Steve Crocker
Devin Londagin

Form. Name Chase Council Grove Type: _____

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

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
Guide shoe	1	IR
Cement Basket	0	IR

Date	Called Out	On Location	Job Started	Job Completed
	10/16/13	10/16/13	10/16/13	10/16/13
Time	2100	330	1115	1315

	Well Data		From	To	Max. Allow
	New/Used	Weight			
Casing	New	15.5	5.5	KB	3110
Liner					
Liner					
Tubing					
Drill Pipe					
Open Hole					
Perforations					Shots/Ft.
Perforations					
Perforations					

Materials			
Mud Type	WBM	Density	9.0 Lb/Gal
Disp. Fluid	H2O	Density	8.33 Lb/Gal
Spacer type	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	
Date	Hours
10/16/13	11.0
Total	11.0

Operating Hours	
Date	Hours
10/16/13	2.0
Total	2.0

Description of Job

Production
65 bbls cmt to pit
365 ft3 / 100 sks
Final pump psi: 700 psi

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

Pressures	
MAX	AVG
1200	100
Average Rates in BPM	
MAX	AVG
4	3
Feel	Reason
44	

Shoe Joint

Cement Data			
Stage	Sacks	Cement	Additives
1	205	Premium Plus Class C	0.2% C-41P, 5% Gyp, 0.25%/sk Calceoflake
2	95	Premium Plus Class C	2% Gel, 0.2% C-16A, 2% Calcium Chloride
3			
4			

Summary			
Preflush Breakdown	Type: _____	Preflush: BBI	35.00
	MAXIMUM	Load & Bkdn: Gal - BBI	
	Lost Returns - N	Excess /Return BBI	20
Average	Actual TOC	Calc TOC	surface
5 Min	Frac. Gradient	Treatment: Gal - BBI	
	10 Min	Cement Slurry: BBI	165.0
	15 Min	Total Volume: BBI	272.90
		Type: Sodium silicate/H2O	
		Pad Bbl - Gal	73
		Calc Disp Bbl	72.90
		Actual Disp	
		Diso Bbl	

CUSTOMER REPRESENTATIVE

Weldon Higgins

SIGNATURE

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