

JOB SUMMARY			PROJECT NUMBER TN # 203	TICKET DATE 8/18/2013
COUNTY Grant	COMPANY Linn Energy		CUSTOMER REP Weldon Higgins	
LEASE NAME HAGERMAN	Well No. 4 ATU 201	JOB TYPE Surface	EMPLOYEE NAME Jason Jones	

EMP NAME Jason Jones					
LAMONT PATERSON					
Miguel Garcia					
Steve Crocker					

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

Date	Called Out 8/18/13	On Location 08/18/13	Job Started 08/18/13	Job Completed 08/18/13
Time	15:00	1700	1920	2030

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	Max. Allow
Casing	New	24#	8.625"	J40	KB	730	1500
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			12.25"		K.B.	?	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	WBM	Density	8.9	Lb/Gal
Disp. Fluid	H2O	Density	8.33	Lb/Gal
Spacer type	H2O	BBL.	10	
Spacer type		BBL.		
Acid Type		Gal.		%
Acid Type		Gal.		%
Surfactant		Gal.		ln
NE Agent		Gal.		ln
Fluid Loss		Gal/Lb		ln
Gelling Agent		Gal/Lb		ln
Fric. Red.		Gal/Lb		ln
MISC.		Gal/Lb		ln

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
08/18/13	4.0	08/18/13	2.0	Surface
				Approx. 50 bbls of CMT. to surface
				212 sks.
				Good returns thru job
				Floats held
				Job was completed safely
Total	4.0	Total	2.0	

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

Pressures

MAX	850	AVG	200
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	450	Class C	2% C.C. + 0.25#/SK. Celloflake	6.30	1.32	14.8
2						
3						
4						

Summary

Preflush Breakdown	_____ Type: _____	Preflush: BBI	_____ 10.00	Type: H2O
	MAXIMUM _____	Load & Bkdn: Gal - BBI	_____	Pad: Bbl - Gal
	Lost Returns - N/A	Excess /Return BBI	_____ 50	Calc. Disp Bbl
	Actual TOC _____	Calc TOC: _____	Surface	Actual Disp
Average	Frac. Gradient _____	Treatment: Gal - BBI	_____	Disp: Bbl
ISIP	5 Min. _____ 10 Min _____ 15 Min _____	Cement Slurrv: BBI	#VALUE!	
		Total Volume BBI	#VALUE!	

CUSTOMER REPRESENTATIVE Weldon Higgins SIGNATURE

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

JOB SUMMARY		PROJECT NUMBER TN # 205	TICKET DATE 8/19/2013
COUNTY Grant	COMPANY Linn Energy	CUSTOMER REP Weldon Higgins	
LEASE NAME Hagerman	Well No. 4 ATU 201	JOB TYPE Production	EMPLOYEE NAME Jessie McClain

EMP NAME				
Jessie McClain				
Jason Jones				
Rory Morris				

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
	08/19/13	08/20/13	08/20/13	08/20/13
Time	2030	100	600	800

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

Well Data							
	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	15.5	5.5		KB	3070	2500
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole							Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	H2O	8.9	
Spacer type	m 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	
08/20/13	7.8	08/20/13	2.0	Production
				Final pump psi 525
				52 bbls cmt to surface
				292 ft3 / 80 sks
Total	7.8	Total	2.0	

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

Pressures	
MAX	AVG
MAX	4
AVG	3
Average Rates in BPM	
MAX	4
AVG	3
Cement Left in Pipe	
Reason	Shoe Joint

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	205	Class C	0.2% C-41P, 5% Gyp, .25 #SK CalloSaka	23.39	3.65	10.8
2	95	Class C	2% Gel, 0.2% C-16A, 2% CC	10.40	1.90	13
3						
4						

Summary			
Preflush Breakdown	Type: _____	Preflush: BBI	35.00
	MAXIMUM	Load & Bkdn: Gal - BBI	
	Lost Returns-N	Excess /Return BBI	52
	Actual TOC	Calc. TOC: Surface	72.00
Average	Frac. Gradient	Treatment: Gal - BBI	
ISIP	5 Min. 10 Min. 15 Min.	Cement Slurry: BBI	155.0
		Total Volume BBI	272.00

CUSTOMER REPRESENTATIVE Weldon Higgins SIGNATURE

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