

JOB SUMMARY			PROJECT NUMBER TN # 398	TICKET DATE 12/27/2013
COUNTY Grant	COMPANY Linn Energy	CUSTOMER REP Weldon Higgins		
LEASE NAME Leigh	Well No. 5 ATU 242	JOB TYPE Surface	EMPLOYEE NAME Bryon Hackett	

EMP NAME					
Bryon Hackett					
Chris Fry					
Steve Crocker					
Miguel Garcia					

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

Date	Called Out 12/26/2013	On Location 12/26/13	Job Started 12/27/13	Job Completed 12/27/13
Time	1500	2115	27	146

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

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	24	8.625	J-55	KB	772	1500
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole							Shots/Ft.
Perforations							
Perforations							
Perforations							

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

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
12/26/13	5.0	12/27/13	2.0	Surface
				Cement returns 30BBL
				Shut in head
				floats didn't hold
Total	6.0	Total	2.0	

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

Pressures			
MAX	1000	AVG	150
Average Rates In BPM			
MAX	3	AVG	3
Cement Left in Pipe			
Feet	43	Reason	Shoe Track

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

Summary					
Preflush Breakdown	Type: _____	MAXIMUM _____	Lost Returns-N _____	Actual TOC _____	Frac. Gradient _____
Average	ISIP _____ 5 Min _____	10 Min _____	15 Min _____	Treatment: Gal - BBI _____	Cement Slurry: BBI _____
				Total Volume BBI	164.00
				Preflush: BBI	10.00
				Load & Bkdn: Gal - BBI	30
				Excess /Return BBI	0
				Calc. TOC	0
				Actual Diso Bbl	45.00
				Diso: Bbl	

CUSTOMER REPRESENTATIVE Weldon Higgins SIGNATURE

Thank You For Using
O - TEX Pumping

JOB SUMMARY

COUNTY Grant	PROJECT NUMBER TN # 400	TICKET DATE 12/28/2013
LEASE NAME Leigh	COMPANY Linn Energy	CUSTOMER REP Weldon Higgins
Well No. 5 ATU 242	JOB TYPE Production	EMPLOYEE NAME Bryon Hackett

EMP NAME	Bryon Hackett	Chris Fry	Robert Buckman
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Form. Name _____ Type: _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Retainer Depth _____ Total Depth _____

Date	Called Out	On Location	Job Started	Job Completed
	12/28/13	12/28/13	12/28/13	12/28/13
Time	0200	630	1422	1610

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	2	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-55	KB	3108	2000
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole							Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	Density	Lb/Gal
Disp. Fluid	H2O	8.33
Spacer type	od.Silic/H2 BBL	20
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	
12/28/13	11.0	12/28/13	2.0	Production
				Lost circulation at displacement no cement to surface
Total	11.0	Total	2.0	

Pressures

MAX	1000	AVG	200
Average Rates in BPM			
MAX	3	AVG	3
Cement Left in Pipe			
Feet	44	Reason	Shoe Track

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	206	Premium Plus Class C	0.2% C-41P, 5% Gyp, 0.25%/sk Cellulose	23.49	3.65	10.8
2	95	Premium Plus Class C	2% Gal, 0.2% C-16A, 2% Calcium Chloride	10.4	1.90	13.0
3						
4						

Summary

Preflush	_____	Type: _____	Preflush: BBI	20.00	Type: Sod.Silic/H2O
Breakdown	_____	MAXIMUM	Load & Bkdn: Gal - BBI	_____	Pad:Bbl -Gal
	_____	Lost Returns-A	Excess /Return BBI	0	Calc Disp Bbl
	_____	Actual TOC	Calc. TOC	1,500	Actual Disp.
Average	_____	Frac. Gradient	Treatment: Gal - BBI	_____	Disp Bbl
ISIP	5 Min _____	10 Min _____	Cement Slurry: BBI	165.0	
		15 Min _____	Total Volume BBI	258.00	

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