

<b>JOB SUMMARY</b>		PROJECT NUMBER <b>TN # 479</b>	TICKET DATE <b>2/4/2014</b>
COUNTY <b>Stanton</b>	COMPANY <b>Linn Energy</b>	CUSTOMER REP <b>Weldon Higgins</b>	
LEASE NAME <b>Knoeber</b>	Well No. <b>4 ATU 188</b>	EMPLOYEE NAME <b>Bryon Hackett</b>	
JOB TYPE <b>Production</b>			

EMP NAME					
Bryon Hackett					
Steve Crocker					
Robert Buckman					
Chris Layton					

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

Date	Called Out <b>02/03/14</b>	On Location <b>02/03/14</b>	Job Started <b>02/03/14</b>	Job Completed <b>02/03/14</b>
Time	<b>0800</b>	<b>1630</b>	<b>2215</b>	<b>2345</b>

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
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	40	KB	3150	2500
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole							Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
	Density		Lb/Gal
Mud Type	0		
Disp. Fluid	H2O	Density	8.33
Spacer type	SodSilc/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			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
02/03/14	7.0	02/03/14	1.5	Production
				Cement to surface: 45bbbls or 115 sks
				Top of Cement : 0'
Total	7.0	Total	1.5	

Pressures			
MAX	1200	AVG.	100
Average Rates in BPM			
MAX	3.5	AVG	3
Cement Left in Pipe			
Feet	44	Reason	Shoe Track

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	440	O-TEX LowDense	2% Gyp, 2% Calcium Chloride, 2% C-45, 0.4% C-15, 0.4% C-41P, 0.2% C-51, 0.25 #/sk Cellulofake	13.29	2.25	11.5
2	0	0	0	0	0	0
3						
4						

Summary					
Preflush Breakdown	Type: _____	MAXIMUM _____	Lost Returns-N _____	Actual TOC _____	Frac. Gradient _____
Average	5 Min _____	10 Min _____	15 Min _____		
Preflush:	BBI	20.00	Type: SodSilc/H2O		
Load & Bkdn:	Gal - BBI		Pad:Bbl -Gal		
Excess /Return	BBI	45	Calc Disp Bbl		
Calc TOC		0	Actual Disp		74.00
Treatment:	Gal - BBI		Disp Bbl		
Cement Slurry:	BBI	176.0			
Total Volume	BBI	270.00			

CUSTOMER REPRESENTATIVE Weldon Higgins SIGNATURE

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O - TEX Pumping

# JOB SUMMARY

<b>PROJECT NUMBER</b> TN # 475		<b>TICKET DATE</b> 2/2/2014
<b>COUNTY</b> Grant		
<b>COMPANY</b> Linn Energy		
<b>CUSTOMER REP</b> Orlando		
<b>LEASE NAME</b> Knoeber		<b>WELL No.</b> 4 ATU 166
<b>JOB TYPE</b> Surface		<b>EMPLOYEE NAME</b> Jesus Jimenez

Jesus Jimenez			
Beau Clem			
Chris Layton			
Eric Poole			

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
	2-1-14	02/01/14	02/02/14	02/02/14
Time	15:00	19:00	01:00	02:30

**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	24	8.625	44	0	770	1500
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole							Shots/Fl.
Perforations							
Perforations							
Perforations							

**Materials**

	0	Density	0	Lb/Gal
Mud Type	H2O			
Disp. Fluid	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
Perfpac Balls		Qty.		
Other				
Other				
Other				
Other				

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
02/01/14	7.0	02/02/14	2.0	Surface
<b>Total</b>	<b>7.0</b>	<b>Total</b>	<b>2.0</b>	

**Pressures**

MAX	900	AVG.	50
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	480	Premium Class C	2% Calcium Chloride and .25 #/sk Cellulose	6.34	1.35	14.8
2						
3						
4						

**Summary**

Preflush Breakdown	Type: _____	MAXIMUM _____	Lost Returns: _____	NO _____	Actual TOC _____	Frac. Gradient _____	5 Min _____	10 Min _____	15 Min _____	Preflush: BBI	10.00	Type: H2O
										Load & Bkdn: Gal - BBI		Pad: Bbl - Gal
										Excess /Return BBI	30	Calc. Disp Bbl
										Calc. TOC	Surface	Actual Disp
										Treatment: Gal - BBI		Diso Bbl
										Cement Slurry BBI	115.0	
										Total Volume BBI	171.00	

CUSTOMER REPRESENTATIVE Walt Higgins SIGNATURE

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