

JOB SUMMARY

COUNTY Grant		COMPANY Linn Energy		PROJECT NUMBER TN # 977	TICKET DATE 7/16/2014
LEADS WIRE Helmie		Well No. 4 ATU 252	JOB TYPE Surface	CUSTOMER REP 0	
EMP NAME		EMPLOYEE NAME Chris Lewis			

Chris Lewis					
Steve Crocker					
Adam Morris					
Tyler Lee					

Form Name _____ Type: _____

Packer Type _____ Set At _____

Bottom Hole Temp. _____ Pressure _____

Retainer Depth _____ Total Depth _____

Date	Called Out	On Location	Job Started	Job Completed
		07/16/14	07/16/14	
Time	2100			

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	JKB	KB	772	1500
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole							
Perforations							Shots/Ft.
Perforations							
Perforations							

Materials

Material	Qty	Density	Unit
Mud Type	0	0	Lb/Gal
Disp. Fluid	H2O	8.33	Lb/Gal
Spacer type	BBL	0	
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	Date	Hours	Description of Job
07/16/14		07/16/14		Surface
Total	0.0	Total	0.0	

Perpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Pressures

MAX	1500	AVG	
Average Rates in BPM			
MAX	3	AVG	
Cement Left in Pipe			
Feet	44	Reason	Shoe Joint

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	485	Premium Plus Class C	2% Calcium Chloride, 0.25 lb/sk Celluflate	6.34	1.32	14.8
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4						

Summary

Preflush Breakdown	Type: _____	Preflush: BBI	0.60	Type: _____
	MAXIMUM _____	Load & Bkdn: Gal - BBI		Pad: Bbl - Gal
	Lost Returns: _____	Excess /Return BBI	35	Calc Disp Bbl
	Actual TOC _____	Calc TOC _____		Actual Disp. _____
Average	Frac. Gradient _____	Treatment: Gal - BBI		Disp Bbl _____
ISP	5 Min _____ 10 Min _____ 15 Min _____	Cement Slurry BBI	114.0	
		Total Volume BBI	160.00	

CUSTOMER REPRESENTATIVE Walter Heger SIGNATURE

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

JOB SUMMARY		PROJECT NUMBER TN # 984	TICKET DATE 7/18/2014
COUNTRY Stanton	COMPANY Linn Energy	CUSTOMER REP Weldon Higgins	
LEASE NAME Helmie	Well No 4 ATU 262	JOB TYPE Production	
EMP NAME		EMPLOYEE NAME 0	

0					
Chris Lewis					
Tony Lewis					
Daniel Muniz					

Form Name _____ Type: _____

Packer Type _____ Set At _____

Bottom Hole Temp. _____ Pressure _____

Retainer Depth _____ Total Depth _____

Date	Called Out	On Location	Job Started	Job Completed
		07/18/14	07/18/14	07/18/14
Time	1200			

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						
Now/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	15.5	5.5	KB	3110	2000
Liner						
Liner						
Tubing						
Drill Pipe						
Open Hole						
Perforations						Shots/Ft.
Perforations						
Perforations						

Materials			
	Density		Lb/Gal
Mud Type	0		
Disp. Fluid	H2O	Density 8.33	
Spacer type	BBL	0	
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	
07/18/14	4.0	07/18/14	2.0	Production
Total	4.0	Total	2.0	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

MAX 2000		AVG _____	
MAX 3		AVG 3	
Feet 44		Reason _____	
		Shoe Joint	

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	435	O-TEX LowDense	2% Oyp, 2% Calcium Chloride, 2% C-45, 0.4% C-13, 0.4% C-41P, 0.2% C-51, 0.25 #/sk Cellulose	13.29	2.25	11.5
2	0	0	0	0	0	0
3						
4						

Preflush Breakdown		Type: _____		Summary		Preflush: BBI 0.00		Type: _____	
Average 5 Min.		MAXIMUM		Lost Returns-# 0		Load & Bkdn: Gal - BBI		Pad:Bbl -Gal	
Frac. Gradient 10 Min		Actual TOC		Calc. TOC		Excess /Return BBI 0		Calc Disp Bbl	
15 Min		Frac. Gradient 10 Min		Treatment: Gal - BBI		Cement Slurry BBI 174.0		Actual Disp. 73.00	
				Total Volume BBI		247.00		Disp Bbl	

CUSTOMER REPRESENTATIVE Weldon Higgins

SIGNATURE

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