

JOB SUMMARY

PROJECT NUMBER: **TN # 172** TICKET DATE: **7/19/2013**

COUNTY: **Kearney** COMPANY: **Linn Energy** CUSTOMER REP: **Weldon Higgins**
 LEASE NAME: **R. T. Beaty** Well No: **A-4 ATU 99** JOB TYPE: **Surface** EMPLOYEE NAME: **Eddie Pickard**

EMP NAME	Eddie Pickard				
	Chris Lewis				
	Mario Abrego				
	Rory Morris				

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

	Called Out	On Location	Job Started	Job Completed
Date	7/18/13	07/19/13	07/19/13	07/19/13
Time	17:00	530	900	1115

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"	J 48	KB	726
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	Water	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	
07/19/13	6.0	07/19/13	4.0	Surface
Total	6.0	Total	4.0	

Perfpac Balls: Qty.
 Other:
 Other:
 Other:
 Other:

Pressures			
MAX	1100	AVG	225
Average Rates in BPM			
MAX	4	AVG	3.5
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: <u> </u>	Preflush: BBI	10.00 Type: <u> </u> Water
	MAXIMUM	Load & Bkdn: Gal - BBI	Pad Bbl - Gal
	Lost Returns-h	Excess /Return BBI	44 Calc Disp Bbl
	Actual TOC	Calc TOC	Surface Actual Disp
Average	Frac. Gradient	Treatment: Gal - BBI	Disp Bbl
15IP	5 Min	Cement Slurry: BBI	105.0
	10 Min	Total Volume	160.00
	15 Min		

CUSTOMER REPRESENTATIVE: Weldon Higgins SIGNATURE: _____

Thank You For Using
O - TEX Pumping

JOB SUMMARY

PROJECT NUMBER TN # 174	TICKET DATE 7/17/2013
CUSTOMER REP Weldon Higgins	
EMPLOYEE NAME Jessie McClain	

COUNTY Kearny	COMPANY Linn Energy	WELL No A-4 ATU 99
LEASE NAME R.T. Beaty		JOB TYPE Production

EMP NAME	Jessie McClain				
	Jason Jones				
	Devin Londagin				

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

Date	Called Out 7/20/13	On Location 07/21/13	Job Started 07/21/13	Job Completed 07/21/13
Time	1800	0:01	100	300

Tools and Accessories		
Type and Size	Qty	Make
Auto Fill Tube	1	IR
Insert Float Valve	1	IR
Centralizers	25	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	3110	2500
Liner						
Liner						
Tubing						
Drill Pipe						
Open Hole			7.875"	K.B.		Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials			
	WBM	Density	Lb/Gal
Mud Type	H2O	8.9	Lb/Gal
Disp. Fluid	H2O	8.33	Lb/Gal
Spacer type	3m 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	
07/21/13	4.5	07/21/13	3.0	Production
				Final Pump Pressure 514
				42 bbls cmt to pit
				235 FT3 / 65 sks
Total	4.5	Total	3.0	

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

Pressures	
MAX 1150	AVG 50
Average Rates in BPM	
MAX 4	AVG 3
Cement Left in Pipe	
Feet 44	Reason Shoe Joint

Cement Data			Additives			W/Rq.	Yield	Lbs/Gal
Stage	Sacks	Cement				23.49	3.65	10.8
1	205	Class C	0.2% C-11P, + 5% GYP, + 0.25#/SK. Cellulofake			10.4	1.90	13.0
2	95	Class C	2% GEL + 0.2% C-16A, + 2% C.C.					
3			DO NOT PUMP OVER 4 B.P.M. WATCH FOR CIRC. WHILE PUMPING JOB. 2 B.P.M. MIN. IF NO CIRC.					
4								

Summary					
Preflush Breakdown	Type: MAXIMUM	Preflush: BBI	35.00	Type: Sodium Silicate/H2O	
	Lost Returns: 0	Load & Bkdn: Gal - BBI	42	Pad Bbl - Gal	73
	Actual TOC Surface	Excess /Return BBI	Surface	Calc Disp Bbl	72.90
Average ISIP 5 Min	Frac. Gradient 10 Min	Treatment: Gal - BBI	165.0	Actual Disp	
	15 Min	Cement Slurry: BBI	272.90	Disp Bbl	
		Total Volume: BBI			

CUSTOMER REPRESENTATIVE Weldon Higgins

SIGNATURE _____

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