

JOB SUMMARY

PROJECT NUMBER: **TN # 166** TICKET DATE: **7/8/2013**

COUNTY: **Kearney** COMPANY: **Linn Energy**
 LEASE NAME: **L.B. Willits** Well No.: **A4-ATU-29** JOB TYPE: **Surface**

CUSTOMER REP: **Weldon Higgins**
 EMPLOYEE NAME: **Eddie Pickard**

EMP NAME	Eddie Pickard	Derek Lewis			
	Chris Lewis				
	Mario Abrego				
	Rory Morris				

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

Date	Called Out	On Location	Job Started	Job Completed
	7/8/13	07/12/13	07/12/13	07/13/13
Time	15:00	1930	2230	100

Type and Size	Qty	Make
Auto Fill Tube	1	IR
Insert Float Valve	1	IR
Centralizers	6	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"	J40	KB	730
Liner						
Liner						
Tubing						
Drill Pipe						
Open Hole			12.25"		K.B.	? Shots/Ft
Perforations						
Perforations						
Perforations						

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	H2O	8.33	
Spacer type	H20 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	
07/12/13	6.0	07/12/13	3.0	Surface
				44 BBL Cement to Surf
				Good Circ during job
Total	6.0	Total	3.0	

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

Pressures	
MAX 900	AVG 180
Average Rates in BPM	
MAX 4	AVG 3
Feet 44	Reason SHOE JOINT

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: _____	MAXIMUM _____	Preflush: BBI 10.00	Type: H2O	_____
Average	Lost Returns-N _____	Actual TOC _____	Load & Bkdn: Gal - BBI _____	Pad Bbl -Gal _____	_____
ISIP 5 Min	Frac. Gradient 10 Min	Surface 15 Min	Calc TOC _____	Actual Disp _____	44.00
			Treatment: Gal - BBI _____	Disp Bbl _____	_____
			Cement Slurry: BBI 105.0		_____
			Total Volume BBI 160.00		_____

CUSTOMER REPRESENTATIVE *Weldon Higgins*

SIGNATURE _____

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

JOB SUMMARY		PROJECT NUMBER TN # 167	TICKET DATE 7/13/2013
COUNTY Kearny	COMPANY Linn Energy	CUSTOMER REP Weldon Higgins	
LEASE NAME L.B. Willits	Well No. A4 - ATU - 29	EMPLOYEE NAME Jessie McClain	
JOB TYPE Production			

EMP NAME Jessie McClain					
Lamont Patterson					
Steve Crocker					

Form Name Council - Grove Type: _____

Packer Type _____ Set At _____

Bottom Hole Temp. _____ Pressure _____

Retainer Depth _____ Total Depth _____

Date	Called Out	On Location	Job Started	Job Completed
	7/13/13	07/14/13	07/14/13	07/14/13
Time	2300	430	1107	1246

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	3115	2000
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			7.875"		K.B.		
Perforations							Shots/Ft.
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	8.9 Lb/Gal
Disp. Fluid	H2O	Density	8.33 Lb/Gal
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
Perfpac Balls		Qty.	
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
07/14/13	9.6	07/14/13	2.0	Production
				Final pump psi 500
				58 bbls cement to surface
				325 ft3 or 89 sacks
Total	9.6	Total	2.0	

MAX 1100	AVG 50
MAX 4	AVG 3
Feet 44	Reason Shoe Joint

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	205	Class C	0.2% C-41P, + 5% GYP, + 0.25%W/SK CaO/SK	23.49	3.65	10.8
2	95	Class C	2% GEL + 0.2% C-16A, + 2% C.C.	10.4	1.90	13.0
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: _____	Preflush: BBI	35.00
	MAXIMUM _____	Load & Bkdn: Gal - BBI	
	Lost Returns-N _____	Excess /Return BBI	58
	Actual TOC _____	Calc. TOC: _____	Surface
Average ISIP 5 Min	Frac. Gradient 10 Min	Treatment: Gal - BBI	165.0
	15 Min _____	Cement Slurry: BBI	273.00
		Total Volume: BBI	

CUSTOMER REPRESENTATIVE Weldon Higgins

SIGNATURE
Thank You For Using
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