

JOB SUMMARY		PROJECT NUMBER TN # 158	TICKET DATE 7/2/2013
COUNTY Hamilton	COMPANY Linn Energy	CUSTOMER REP Weldon Higgins	
LEASE NAME H. Trussell	Well No B4 ATU 26	JOB TYPE Surface	
EMP NAME Derek Lewis		EMPLOYEE NAME Derek Lewis	

Derek Lewis					
Chris Lewis					
Ed Pickard					
Steve Crocker					

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

Date	Called Out 7/2/13	On Location 07/03/13	Job Started 07/03/13	Job Completed 07/03/13
Time	1900	200	455	700

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	730	1500
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	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	
07/03/13	5.0	07/03/13	2.0	Surface
				43 BBLs CEMENT TO SURFACE. HOLE HAD GOOD CIRCULATION DURING CEMENT JOB.
Total	5.0	Total	2.0	

Perfac Balls _____ Qty. _____
 Other _____
 Other _____
 Other _____
 Other _____

Pressures	
MAX 910	AVG 180
Average Rates in BPM	
MAX 4	AVG 3
Cement Left in Pipe	
Feet 44	Reason SHOE JOINT

Cement Data			
Stage	Sacks	Cement	Additives
1	450	Class C	2% C.C. + 0.25#/SK. Celloflake
2			
3			
4			

Summary			
Preflush Breakdown	Type: MAXIMUM	Preflush: BBI 10.00	Type: H2O
	Lost Returns: 0	Load & Bkdn: Gal - BBI	Pad/Bbl - Gal
	Actual TOC	Excess /Return BBI 43	Calc. Disp Bbl
Average	Frac. Gradient 10 Min	Calc. TOC: Surface	Actual Disp. 44.00
ISP 5 Min		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 # 160** TICKET DATE: **7/3/2013**

COUNTY: **Hamilton** COMPANY: **Linn Energy**
 LEASE NAME: **H. Trussell** Well No: **B4 - ATU - 28** JOB TYPE: **Production**

CUSTOMER REP: **Weldon Higgins**
 EMPLOYEE NAME: **Derek Lewis**

EMP NAME					
Derek Lewis					
Chris Lewis					
Devin Londagin					

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
	7/4/13	07/04/13	07/05/13	07/05/13
Time	1300	2000	147	400

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
Texas Pattern Guide Shoe	1	IR
Cement Basket	0	IR

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	15.5	5.5	44	KB	3114	3000
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			7.875"		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	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	
07/04/13	8.0	07/05/13	3.0	Production
				NO CEMENT TO SURFACE
				LOST RETURNS DURING
				DISPLACEMENT. NO
				RETURNS DURING
				DISPLACEMENT. FINAL
				LIFT PRESSURE WAS 330 PSI
				BUMP PRESSURE WAS 830
				PSI.
Total	8.0	Total	3.0	

Perpac Balls: _____ Qty: _____
 Other: _____
 Other: _____
 Other: _____
 Other: _____

Pressures	
MAX	830
AVG	130
Average Rates in BPM	
MAX	5
AVG	3
Cement Left in Pipe	
Feet	44
Reason	Shoe Joint

Cement Data				W/Rq.	Yield	Lbs/Gal
Stage	Sacks	Cement	Additives			
1	205	Class C	0.2% C-41P, + 5% GYP, + 0.25M/SK. Cellobake	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: MAXIMUM	Preflush: 10.00	Type: H2O
	Lost Returns: 73	Load & Bkdn: Gal - BBI	Pad: Bbl - Gal
	Actual TOC	Excess /Return: BBI	Calc Dispo Bbl
Average	Frac. Gradient	Calc TOC	Surface
ISP: 5 Min	10 Min	Treatment: Gal - BBI	Actual Dispo
	15 Min	Cement Slurr: BBI	Dispo Bbl
		Total Volume: BBI	
			73.00
			165.0
			248.00

CUSTOMER REPRESENTATIVE: Weldon Higgins SIGNATURE: _____

Thank You For Using
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