

JOB SUMMARY			PROJECT NUMBER TN # 161	TICKET DATE 7/5/2013
COUNTY Hamilton	COMPANY Linn Energy	CUSTOMER REP Weldon Higgins		
LEASE NAME McDonald	Well No C-4 ATU 45	JOB TYPE Surface	EMPLOYEE NAME Jessie McClain	
EMP NAME				

Jessie McClain				
Jason Jones				
Rory Morris				
Ed Pickard				

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
	7/5/13	07/05/13	07/06/13	07/06/13
Time	1300	1700	2315	00:30

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-55	KB	730
Liner						
Liner						
Tubing						
Drill Pipe						
Open Hole			12.25"		K.B.	730'
Perforations						Shots/Ft.
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	Date	Hours			
07/05/13	7.5	07/06/13	1.3			Surface		
						50 bbls cmt to pit		
						Final pump psi 300		
Total	7.5	Total	1.3					

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

Pressures			
MAX	940	AVG	50
Average Rates in BPM			
MAX	4	AVG	3
Cement Left in Pipe			
Feet	44	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	460	Class C	2% C.C. + 0.25#/SK. Celloflake	6.30	1.32	14.8
2						
3						
4						

Summary							
Preflush Breakdown	Type: MAXIMUM	Preflush:	BBL	10.00	Type:	H2O	
	Lost Returns: 0	Load & Bkdn:	Gal - BBI		Pad Bbl - Gal		
	Actual TOC: Surface	Excess /Return:	BBI	50	Calc Disp Bbl		44
Average	Frac. Gradient: 10 Min	Calc. TOC:		Surface	Actual Disp		43.60
ISP	5 Min	Treatment:	Gal - BBI		Disp Bbl		
	15 Min	Cement Slurrv:	BBI	106.0			
		Total Volume	BBI	159.60			

CUSTOMER REPRESENTATIVE Weldon Higgins SIGNATURE

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

JOB SUMMARY		PROJECT NUMBER TN # 162	TICKET DATE 7/6/2013
COUNTY Hamilton	COMPANY Linn Energy	CUSTOMER REP Weldon Higgins	
LEASE NAME McDonald	Well No. C-4 ATU 45	JOB TYPE Production	EMPLOYEE NAME Michael Chalfant

EMP NAME					
Chris Lewis					
Steve Crocker					

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

Date	Called Out 7/7/13	On Location 07/07/13	Job Started 07/07/13	Job Completed 07/07/13
Time	0230	730	1220	1500

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	16.5	5.5	J40	Surface	3155	3500
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
Perfpac Balls		Qty.	
Other			
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
07/07/13	7.0	07/07/13	2.0	Production
Total	7.0	Total	2.0	

Pressures			
MAX	3500	AVG	400
Average Rates in BPM			
MAX	3	AVG	3
Cement Left in Pipe			
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%MSK. Cellulose	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	10	Type: H2O	Preflush: BBI	10.00	Type: H2O
		MAXIMUM	Load & Bkdn: Gal - BBI		Pad Bbl - Gal
		Lost Returns: 0	Excess /Return BBI	130	Calc Disp Bbl
		Actual TOC	Calc TOC	Surface	Actual Disp
Average		Frac. Gradient	Treatment: Gal - BBI		Disp Bbl
ISP	5 Min	10 Min	Cement Slurry: BBI	165.0	
		15 Min	Total Volume	BBI	249.00

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