

<b>JOB SUMMARY</b>			PROJECT NUMBER <b>TN # 301</b>	TICKET DATE <b>10/18/2013</b>
COUNTY <b>Morton</b>	COMPANY <b>Linn Energy</b>		CUSTOMER REP <b>Weldon Higgins</b>	
LEASE NAME <b>Wilds</b>	Well No. <b>4 ATU 2</b>	JOB TYPE <b>Surface</b>	EMPLOYEE NAME <b>Jessie McClain</b>	

EMP NAME					
Jessie McClain					
Steve Crocker					
Angel Garcia					

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

Date	Called Out <b>10/17/2013</b>	On Location <b>10/17/13</b>	Job Started <b>10/18/13</b>	Job Completed <b>10/18/13</b>
Time	<b>1300</b>	<b>1730</b>	<b>1300</b>	<b>1400</b>

**Tools and Accessories**

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	Max. Allow
Casing	New	24'	8.625"	JK	KB	730'	1500
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole							Shots/Ft.
Perforations							
Perforations							
Perforations							

**Materials**

Mud Type	WBM	Density	9.0	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	
10/17/13	21.0	10/18/13	1.0	Surface
				Final pump psi: 45 psi
				0 bbls cmt to surface
				0 ft3 / 0 sks
Total	21.0	Total	1.0	

Perfpac Balls \_\_\_\_\_ Qty. \_\_\_\_\_  
 Other \_\_\_\_\_  
 Other \_\_\_\_\_  
 Other \_\_\_\_\_  
 Other \_\_\_\_\_

**Pressures**

MAX	500	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	450	Premium Class C	2% Calcium Chloride and .25 #/sk Cellulofake	6.34	1.35	14.8
2						
3						
4						

**Summary**

Preflush Breakdown	Type: _____	Preflush: BBI	10.00	Type: H2O
	MAXIMUM	Load & Bkdn: Gal - BBI		Pad: Bbl - Gal
	Lost Returns-N	Excess /Return BBI	0	Calc Disp Bbl
	Actual TOC	Calc TOC	Surface	Actual Disp
Average	Frac. Gradient	Treatment: Gal - BBI		Disp Bbl
15IP	5 Min	Cement Slurry: BBI	108.0	
	10 Min	Total Volume BBI	161.60	
	15 Min			

CUSTOMER REPRESENTATIVE Weldon Higgins SIGNATURE

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# JOB SUMMARY

PROJECT NUMBER <b>TN # 302</b>	TICKET DATE <b>10/19/2013</b>
CUSTOMER REP <b>Weldon Higgins</b>	EMPLOYEE NAME <b>Jessie McClain</b>

COUNTY <b>Morton</b>	COMPANY <b>Linn Energy</b>	WELL NO. <b>4 ATU 2</b>
LEASE NAME <b>Wilds</b>	JOB TYPE <b>Top-out</b>	

EMP NAME <b>Jessie McClain</b>			
<b>Steve Crocker</b>			
<b>Beau Clem</b>			

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

Date	Called Out	On Location	Job Started	Job Completed
	10/18/13	10/18/13	10/19/13	10/19/13
Time	1500	1500	100	200

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

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	24	8.625	J-55	KB	730'	500
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole							Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	0	Density	0 Lb/Gal
Disp. Fluid	N/A	Density	N/A Lb/Gal
Spacer type	H2O	BBL	1
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
Perpac Balls		Qty.	
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
10/18/13	10.0	10/19/13	1.0	Top-out
				Final Pump psi: 130 psi
				0 bbls cmt to surface
				0 ft3 / 0 sks
Total	10.0	Total	1.0	

Pressures			
MAX	170	AVG	130
Average Rates in BPM			
MAX	1.5	AVG	1
Cement Left in Pipe			
Feet	0	Reason	N/A

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	225	Premium Class C	2% Calcium Chloride and .25 Msk Cellulose	6.34	1.35	14.8
2						
3						
4						

Summary					
Preflush		Type:		Preflush:	BBI 1.00
Breakdown		MAXIMUM		Load & Bkdn:	Gal - BBI
		Lost Returns -	0	Excess /Return	BBI
		Actual TOC		Calc TOC	
Average		Frac. Gradient		Treatment:	Gal - BBI
ISIP	5 Min	10 Min	15 Min	Cement Slurry:	BBI 54.0
				Total Volume	BBI 55.00

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<b>JOB SUMMARY</b>			PROJECT NUMBER <b>TN # 304</b>	TICKET DATE <b>10/19/2013</b>
COUNTY <b>Morton</b>	COMPANY <b>Linn Energy</b>	CUSTOMER REP <b>Weldon Higgins</b>		
LEASE NAME <b>Wilds</b>	Well No. <b>4 ATU 2</b>	JOB TYPE <b>Top-out</b>	EMPLOYEE NAME <b>Jessie McClain</b>	

EMP NAME					
<b>Jessie McClain</b>					
<b>Steve Crocker</b>					
<b>Rory Morris</b>					

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

Date	Called Out	On Location	Job Started	Job Completed
	<b>10/19/13</b>	<b>10/19/13</b>	<b>10/19/13</b>	<b>10/19/13</b>
Time	<b>0200</b>	<b>200</b>	<b>900</b>	<b>1030</b>

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	KB	730'	500
Liner						
Liner						
Tubing						
Drill Pipe						
Open Hole						Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials			
Mud Type	Density	Lb/Gal	
Disp. Fluid	N/A	N/A	
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	
Perfpac Balls	Qty.		
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
10/19/13	9.0	10/19/13	1.5	Top-out
Total	9.0	Total	1.5	

Pressures			
MAX	50	AVG	25
Average Rates in BPM			
MAX	2.5	AVG	2
Cement Left in Pipe			
Feet	N/A	Reason	N/a

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	400	Premium Class C	2% Calcium Chloride and .25 #/sk Cellulose	6.34	1.35	14.8
2						
3						
4						

Summary					
Preflush Breakdown	Type: _____	MAXIMUM _____	Lost Returns-# _____	Actual TOC _____	Frac. Gradient _____
Average	5 Min _____	10 Min _____	15 Min _____	Cement Slurry: BBI _____	Total Volume BBI _____
				0.00	0
				96.0	96.00
				Type: N/A	Pad:Bbl -Gal _____
				Calc Diso Bbl _____	Actual Diso _____
				Diso:Bbl _____	0.00

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# JOB SUMMARY

<b>COUNTY</b> Morton	<b>PROJECT NUMBER</b> TN # 306
<b>LEASE NAME</b> Wilds	<b>TICKET DATE</b> 10/19/2013
<b>COMPANY</b> Linn Energy	<b>CUSTOMER REP</b> Weldon Higgins
<b>WELL NO.</b> 4 ATU 2	<b>EMPLOYEE NAME</b> Jessie McClain
<b>JOB TYPE</b> Top-out	

<b>EMP NAME</b> Jessie McClain	<b>Mario Abrego</b>
Steve Crocker	
Angel Garcia	
Chris Frye	

Form. Name Chase-Council Grove Type: \_\_\_\_\_

Packer Type \_\_\_\_\_ Set At \_\_\_\_\_

Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_

Retainer Depth \_\_\_\_\_ Total Depth \_\_\_\_\_

Date	Called Out	On Location	Job Started	Job Completed
	10/19/2013	10/19/13	10/19/13	10/19/13
Time	1100	1100	1930	2000

**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	N/A	24	8.625	J-55	N/A	N/A	500
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole							
Perforations							Shots/Ft.
Perforations							
Perforations							

**Materials**

Mud Type	H2O	Density	0	Lb/Gal
Disp. Fluid			8.33	
Spacer type	2 / Sodium BBL		20	
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	
10/19/13	11.0	10/18/13	0.5	Top-out
				Final pump psi: 50 psi
				10 bbls cmt to pit
				56 ft3 / 33 sks
Total	11.0	Total	0.5	

**Pressures**

MAX	50	AVG	50
Average Rates in BPM			
MAX	2	AVG	2
Cement Left in Pipe			
Feet	N/A	Reason	N/A

**Cement Data**

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	200	Class H	4% Gel, 10% Gyp, 2% CC	8.70	1.72	14.0
2	250	Premium Class C	2% Calcium Chloride and 0.25 #/sk Celloflake	6.34	1.35	14.8
3						
4						

**Summary**

Preflush Breakdown	Type: _____	Preflush: BBI	20.00	Type: I2O/C.C / Sodium silica
	MAXIMUM _____	Load & Bkdn: Gal - BBI		Pad:Bbl -Gal
	Lost Returns-N _____	Excess /Return BBI	10	Calc Disp Bbl
	Actual TOC _____	Calc TOC	N/A	Actual Disp
Average	Frac. Gradient _____	Treatment: Gal - BBI		Disp Bbl
ISIP	5 Min _____	Cement Slurry: BBI	30.0	
	10 Min _____	Total Volume BBI	53.00	
	15 Min _____			

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<b>JOB SUMMARY</b>		PROJECT NUMBER <b>TN # 308</b>	TICKET DATE <b>10/21/2013</b>
COUNTY <b>Morton</b>	COMPANY <b>Linn Energy</b>	CUSTOMER REP <b>Weldon Higgins</b>	
LEASE NAME <b>Wilds</b>	Well No. <b>4 ATU 2</b>	JOB TYPE <b>Production</b>	
EMP NAME <b>Jessie McClain</b>		EMPLOYEE NAME <b>Jessie McClain</b>	

Jessie McClain			
Steve Crocker			
Mario Abrego			

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

Date	Called Out	On Location	Job Started	Job Completed
	10/21/2013	10/21/13	10/21/13	10/21/13
Time	0500	1000	1430	1630

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	2	IR
Guide Shoe	1	IR
Cement Basket	0	IR

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	15.5	5.5	J-55	KB	3110'	2500
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole Perforations							Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	8.4 Lb/Gal
Disp. Fluid	H2O	Density	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	
10/21/13	7.5	10/21/13	2.0	Production
Total	7.5	Total	2.0	Final pump psi: 650 65 bbbls cmt to surface 365 ft3 / 100 sks

Perfpac Balls \_\_\_\_\_ Qty. \_\_\_\_\_  
 Other \_\_\_\_\_  
 Other \_\_\_\_\_  
 Other \_\_\_\_\_  
 Other \_\_\_\_\_

Pressures			
MAX	1200	AVG	60
Average Rates in BPM			
MAX	4	AVG	3
Cement Left in Pipe			
Feet	43.60'	Reason	Shoe Joint

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	205	Premium Plus Class C	0.2% C-41P, 5% Gyp, 0.25%sk Cellulose	23.49	3.65	10.8
2	95	Premium Plus Class C	2% Gel, 0.2% C-16A, 2% Calcium Chloride	10.4	1.90	13.0
3						
4						

Summary			
Preflush Breakdown	Type: _____	Preflush: BBI	35.00
	MAXIMUM	Load & Bkdn: Gal - BBI	
	Lost Returns-n	Excess /Return BBI	68
	Actual TOC	Calc. TOC	Surface
Average	Frac. Gradient	Treatment: Gal - BBI	72.90
ISIP	5 Min	Cement Slurry: BBI	165.0
	10 Min	Total Volume	272.90
	15 Min		

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