

JOB SUMMARY		PROJECT NUMBER TN # 777	TICKET DATE 5/20/2014
COUNTY Grant	COMPANY Linn Energy		CUSTOMER REP 0
LEASE NAME Johnson	Well No. A4 ATU 216	JOB TYPE Surface	EMPLOYEE NAME Eddie Pickard

Eddie Pickard			
Chris Lewis			
David Mitchell			

Form Name _____ Type: _____

Packer Type _____ Set At _____

Bottom Hole Temp. _____ Pressure _____

Retainer Depth _____ Total Depth _____

Date	Called Out	On Location	Job Started	Job Completed
		05/20/14	05/20/14	05/20/14
Time		2000	2112	2212

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	6.625	J44	KB	729	3000
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole							Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	0	Density	0
Disp. Fluid	H2O	Density	8.33
Spacer type	H2O	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			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
05/20/14	2.0	05/20/14	1.0	Surface
Total	2.0	Total	1.0	

Pressures			
MAX	3000	AVG	150
Average Rates in BPM			
MAX	3	AVG	3
Cement Left in Pipe			
Feet	43	Reason	Shoe Joint

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq	Yield	Lbs/Gal
1	455	Premium Plus Class C	2% Calcium Chloride, 0.25 lb/sk Cellulose	6.34	1.32	14.8
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4						

Summary			
Preflush Breakdown	Type: _____	Preflush: BBI	20.00
	MAXIMUM _____	Load & Bkdn: Gal - BBI	
	Lost Returns: _____	Excess /Return: BBI	35
	Actual TOC _____	Calc. TOC: _____	
Average	Frac. Gradient _____	Treatment: Gal - BBI	
5 Min	10 Min	15 Min	
		Cement Slurry: BBI	107.0
		Total Volume: BBI	171.00

CUSTOMER REPRESENTATIVE *Walter Hugin* SIGNATURE

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JOB SUMMARY		PROJECT NUMBER TN # 780	TICKET DATE 5/22/2014
COUNTY Grant	COMPANY Linn Energy		CUSTOMER REP Weldon
LEASE NAME Johnson	Well No A4 ATU 216	JOB TYPE Production	EMPLOYEE NAME Bryon Hackett

EQUIP NAME Bryon Hackett					
Steve Crocker					
Clarence Mitchell					

Form. Name _____ Type: _____

Packer Type _____ Set At _____

Bottom Hole Temp. _____ Pressure _____

Retainer Depth _____ Total Depth _____

Date	Called Out	On Location	Job Started	Job Completed
	05/21/14	05/22/14	05/22/14	05/22/14
Time	2130	600	824	1023

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

Well Data							
	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	15.5	5.5	44	KB	3111	2000
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole							Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
	Density		Lb/Gal
Mud Type	0		0
Disp. Fluid	H2o	Density	8.33
Spacer type	SodSilc/H2	BBL.	20
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	
05/22/14	6.0	05/22/14	2.0	Production
Total	6.0	Total	2.0	

Perfpac Balls _____ Qty _____

Other _____

Other _____

Other _____

Other _____

Pressures		
MAX	1160	AVG
Average Rates in BPM		
MAX	3	AVG
Cement Left in Pipe		
Feet	43	Reason
Shoe Track		

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	435	O-Tex LowDense Cemen	2% Gypsum, 2% Calcium Chloride, 2% C-43, 0.4% C-15, 0.4% C-41P, 0.2% C-31, 0.25 lb/sk Cellulose	13.29	2.25	11.5
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4						

Summary					
Preflush	_____	Type: _____	Preflush:	BBI	20.00
Breakdown	_____	MAXIMUM _____	Load & Bkdn:	Gal - BBI	_____
	_____	Lost Returns _____	Excess Return:	BBI	58
	_____	Actual TOC _____	Calc TOC:	_____	0
Average	_____	Frac Gradient _____	Treatment:	Gal - BBI	_____
er _____	5 Min _____	10 Min _____	Cement Slurry:	BBI	174.0
			Total Volume	BBI	267.00

CUSTOMER REPRESENTATIVE Weldon Hackett SIGNATURE

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