

JOB SUMMARY

PROJECT NUMBER TN # 217		TICKET DATE 8/26/2013
COUNTY Kearny		COMPANY Linn Energy
LEASE NAME Equal Royalty		WELL No. 4-ATU-76
JOB TYPE Surface		CUSTOMER REP Weldon Higgins
		EMPLOYEE NAME Jessie McClain

EMP NAME	Jessie McClain				
Lamont Patterson					
Rory Morris					
Migel Garcia					

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
	8/27/13	08/27/13	08/27/13	08/27/13
Time	1100	1630	2130	2245

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					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	
08/27/13	7.0	08/27/13	1.3	Surface
				Final pump psi: 300psi
				44 bbls cmt to pit
				247 ft3 / 187 sks
Total	7.0	Total	1.3	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Other _____

Pressures			
MAX	950	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	Class C	2% C.C. + 0.25#/SK. Cellulose	6.30	1.32	14.8
2						
3						
4						

Summary					
Preflush Breakdown	Type: _____	MAXIMUM _____	Lost Returns-N _____	Actual TOC _____	Frac. Gradient _____
Average	ISIP _____	5 Min _____	10 Min _____	15 Min _____	
Preflush:	BBI	10.00	Load & Bkdn:	Gal - BBI	
Excess /Return	BBI	44	Calc TOC:	Surface	
Treatment:	Gal - BBI		Cement Slurry:	BBI	106.0
Total Volume	BBI	159.67			

CUSTOMER REPRESENTATIVE _____ SIGNATURE 

Thank You For Using
O - TEX Pumping

JOB SUMMARY		PROJECT NUMBER TN # 218	TICKET DATE 8/29/2013
COUNTY Kern	COMPANY Linn Energy	CUSTOMER REP Weldon Higgins	
LEASE NAME Equal Royalty	Well No. 4-ATU-76	EMPLOYEE NAME Jessie McClain	
JOB TYPE Production			

EMP NAME					
Jessie McClain					
Lamont Patterson					
Bo Clem					

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

Date	Called Out 8/28/13	On Location 08/29/13	Job Started 08/29/13	Job Completed 08/29/13
Time	2200	215	600	800

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	40	KB	3105	2000
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			7.875"		K.B.		Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	H2O	8.33	Lb/Gal
Spacer type	Medium Silica BBL	35	
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	
08/29/13	6.8	08/29/13	2.0	Production
				Final Pump Psi: 560 psi
				76 bbls returned to pit
				427 ft3 / 117 sks
Total	6.8	Total	2.0	

Perfpac Balls	Qty.
Other	
Other	
Other	
Other	
Other	

Pressures	
MAX 1400	AVG 30
Average Rates in BPM	
MAX 4	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, + 0.25#/SK. Cellotack	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: BBI	35.00	Type: Sodium Silicate
	Lost Returns-N	0	Load & Bkdn: Gal - BBI		Pad:Bbl -Gal
	Actual TOC	Surface	Excess /Return BBI	76	Calc Disp Bbl
	Frac. Gradient		Calc TOC	Surface	Actual Disp
Average	15 Min	10 Min	Treatment: Gal - BBI	165.0	Disp Bbl
ISIP	5 Min	15 Min	Cement Slurry: BBI	272.80	
			Total Volume	BBI	

CUSTOMER REPRESENTATIVE _____


SIGNATURE

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