

JOB SUMMARY

COUNTY Grant	COMPANY Linn Energy	PROJECT NUMBER TN # 666	ISSUE DATE 4/15/2014
LEASE NAME EH Gall	Well No. 4 ATU 170	CUSTOMER REP Orlando	EMPLOYEE NAME LAMONT PATTERSON
EMP NAME LAMONT PATTERSON			

LAMONT PATTERSON			
CODY GLASSGOW			
SANTIAGO CALIXTO			

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
		04/15/14	04/15/14	04/15/14
Time		1830	2040	2145

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	0	IR
Weld-A	2	IR
Texas Patiom Guide Shoe	1	IR
Cement Basket	0	IR

Well Data							
Casing	New/Used	Weight	Size	Grade	From	To	Max. Allow
Liner	New	24	8.625	J44	KB	725	800
Liner							
Tubing							
Drill Pipe							
Open Hole							
Perforations							Shots/Ft.
Perforations							
Perforations							

Materials			
Mud Type	Density	0	Lb/Gal
Disp. Fluid	H2O	8.33	Lb/Gal
Spacer type	H2O	10	BBL
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	
04/15/14	3.0	04/15/14	10.0	Surface
				RETURNS THRU ENTIRE JOB
				1/2 BBL BACK CHECKING
				FLOATS
				APPROX 2 BBLs TO PIT
				JOB COMPLETED SAFELY
Total	3.0	Total	10.0	

Perpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Pressures	
MAX	AVG
3	3
Average Rates in BPM	
3	3
Cement Left in Pipe	
3 BBLs	Reason
	Shoe Joint

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	455	Premium Class C	2% Calcium Chloride and .25 %/gal Cellulose	6.34	1.35	14.8
2						
3						
4						

Preflush Breakdown		Summary	
Type: _____	MAXIMUM _____	Preflush: BBI _____	Type: H2O _____
Lost Returns: _____	Actual TOC _____	Load & Bkdn: Gal - BBI _____	Pad Bbl - Gal _____
Frac. Gradient _____	10 Min _____	Excess /Return BBI _____	Calc. Disp Bbl _____
5 Min _____	15 Min _____	Calc. TOC: _____	Actual Disp _____
		Treatment: Gal - BBI _____	Diso Bbl _____
		Cement Slurry BBI _____	
		Total Volume BBI _____	

CUSTOMER REPRESENTATIVE _____

SIGNATURE _____

Thank You For Using
O - TEX Pumping

JOB SUMMARY			PROJECT NUMBER TN # 669	TICKET DATE 4/17/2014
COUNTY Grant County	COMPANY Linn Energy	CUSTOMER REP 0		
LEASE NAME EH Gall	Well No. 4 ATU 170	JOB TYPE Production	EMPLOYEE NAME Jesus Jimenez	
EMP NAME				

Jesus Jimenez				
Beau Clem				
Reggie Samanigo				

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

Date	Called Out 4-16-14	On Location 04/17/14	Job Started 04/17/14	Job Completed 04/17/14
Time	22:00	04:00	07:30	09:30

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	New	15.5	5.5	144	0	3110	1500
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole							
Perforations							Shots/Ft.
Perforations							
Perforations							

Materials

Disp. Fluid	g	Density	0	Lb/Gal
Disp. Fluid	H2O	Density	8.33	Lb/Gal
Spacer type	NIUM SILIC 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	

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
04/17/14	5.5	04/17/14	2.0	Production
Total	5.5	Total	2.0	

Perpac Balls _____ Qty. _____
Other _____
Other _____
Other _____
Other _____

Pressures

MAX	980	AVG.	50
MAX	3	Average Rates in BPM	AVG 3
Foot	44	Cement Left in Pipe	Reason Shoe Joint

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	435	O-Tex LowDense Cement	2%Gypsum, 2%Calcium Chloride, 2%K-45, 0.4%K-15, 0.4%K-41P, 0.2%K-51, 0.25 lb/ft Cellulose	13.29	2.25	11.5
2	0	0	0	0	0	0
3						
4						

Summary

Preflush Breakdown	Type: _____	Preflush: BBI	20.00	Type: SODIUM SILICATE
Average	MAXIMUM _____	Load & Bkdn: Gal - BBI		Pad Bbl - Gal _____
	Lost Returns: _____	Excess /Return BBI	70	Calc Disp Bbl _____
	Actual TOC _____	Calc. TOC	SURFACE	Actual Disp. _____
	Frac. Gradient _____	Treatment: Gal - BBI		Disp Bbl _____
	5 Min _____	Cement Slurry BBI	174.0	
	10 Min _____	Total Volume BBI	267.00	
	15 Min _____			

CUSTOMER REPRESENTATIVE _____
SIGNATURE _____
Thank You For Using
O - TEX Pumping