

JOB SUMMARY		PROJECT NUMBER TN # 1170	START DATE 9/17/2014
COUNTY Morton	COMPANY Linn Energy	CUSTOMER REP Orlando	
LEASE NAME Otto Waechter	Well No. C4 ATU 301	EMPLOYEE NAME Steve Crocker	
JOB TYPE Surface			

Steve Crocker					
Tony Lewis					
Seniilago Calixto					
Joseph Martinez					

Form Name Chase-Course II Grove Type: _____

Packer Type _____ Set At _____

Bottom Hole Temp. _____ Pressure _____

Retainer Depth _____ Total Depth _____

Date	Called Out	On Location	Job Started	Job Completed
		09/16/14		
Time		1845		

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	J40	0	725	1500
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole							
Perforations							Shots/Ft.
Perforations							
Perforations							

Materials			
	e	Density	0
Mud Type			Lb/Gal
Disp. Fluid	H2O	Density	8.33
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	
09/16/14				Surface
				Pump Spacer 10bbbls
				Pump Lead CMT 108bbbls
				Pump Displacement 43bbbls
				CMT to Surface: 45bbbls
				187gals
Total	0.0	Total	0.0	

Perpac Balls _____ Qty _____

Other _____

Other _____

Other _____

Other _____

Other _____

Pressures			
MAX		AVG	
			Average Rates in BPM
MAX	3.5	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 Bsk Cellulose	6.34	1.35	14.8
2						
3						
4						

Summary			
Preflush Breakdown	Type: MAXIMUM	Preflush: BBI 10.00	Type: H2O
	Lost Returns F 0	Load & Bkdn: Gal - BBI 0	Pad: Bbl - Gal
	Actual TOC	Excess / Return BBI 0	Calc Disp Bbl
Average	Frac. Gradient 15 Min	Calc. TOC	Actual Disp 43.00
5 Min	10 Min	Treatment: Gal - BBI	Disp Bbl
		Cement Slurry BBI 108.0	
		Total Volume BBI 161.00	

CUSTOMER REPRESENTATIVE Walter Hogg SIGNATURE

Thank You For Using
O - TEX Pumping

JOB SUMMARY

COUNTY Stanton	PROJECT NUMBER TN # 1174	TICKET DATE 9/20/2014
LEASE NAME Otto Waechter	COMPANY Linn Energy	CUSTOMER REP Weldon Higgins
Well No. C4 ATU 301	JOB TYPE Production	EMPLOYEE NAME Chris Lewis

DWP NAME Chris Lewis	Tony Lewis	Dale Pardy
--------------------------------	------------	------------

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

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

Materials		
Mud Type	0	Density 0 Lb/Gal
Disp. Fluid	H2O	Density 8.33 Lb/Gal
Spacer type	dium Silica BBL	30
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 _____

Date	Called Out	On Location	Job Started	Job Completed
		09/20/14	09/20/14	09/20/14
Time		700	810	950

Well Data							
	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	15.5	5.5	J-55	KB	3050	2000
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole							
Perforations							Shots/Ft.
Perforations							
Perforations							

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
09/20/14	2.5	09/20/14	1.5	Production
Total	2.5	Total	1.5	

Pressures			
MAX	2000	AVG	3000
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	425	O-TEX LowDense	5% Gyp, 2% Calcium Chloride, 2% C-45, 1% C-15, 0.4% C-41P, 0.2% C-51, 0.25 g/gk Cellulose	13.29	2.25	11.5
2	0	0	0	0	0	0
3						
4						

Preflush Breakdown		Summary	
Type: _____	MAXIMUM _____	Preflush: BBI	30.00
Lost Returns: _____	Actual TOC _____	Load & Bkdn: Gal - BBI	80
Frac. Gradient _____	_____	Excess /Return BBI	0
_____ 5 Min _____ 10 Min _____ 15 Min		Ca: TOC _____	0.00
		Treatment: Gal - BBI	170.3
		Cement Slurry BBI	200.31
		Total Volume BBI	

CUSTOMER REPRESENTATIVE *Weldon Higgins* SIGNATURE

Thank You For Using
O - TEX Pumping