

JOB SUMMARY			PROJECT NUMBER TN # 690	TICKET DATE 4/24/2014
COUNTY Grant	COMPANY Linn Energy	CUSTOMER REP Orlando		
LEASE NAME Federal Land Bank	Well No D4 ATU 232	EMPLOYEE NAME Chris Fry		
JOB TYPE Surface				

EMP NAME Chris Fry					
Rory Morris					
Danny Parker					

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
	4/24/14	04/24/14	04/24/14	04/24/14
Time	1200	1740	2015	2135

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	0	IR
Cement Basket	0	IR

	Now/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	24	8.625	44	0	728	2000
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole							
Perforations							Shots/Ft
Perforations							
Perforations							

Materials			
	0	Density	0
Mud Type	H2O	Density	8.33
Disp. Fluid	H2O	BBL	10
Spacer type	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
Frc. 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	
04/24/14	5.0	04/24/14	1.5	Surface
				pressure test lines 2000psi
				pump 10 bbls H2O ahead
				pump lead cmt 109bbl/14.8pg
				shut down/drop plug
				pump H2O disp. 44bbl
				bump plug 1200psi
				bleed pressure
				1/2 bbl back
				37bbl cement to pit
Total	5.0	Total	1.5	

Pressures			
MAX	1200	AVG	200
Average Rates in BPM			
MAX	3	AVG	3
Cement Left in Pipe			
Feel	44	Reason	Shoe Joint

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

Summary					
Preflush Breakdown	Type: MAXIMUM	Preflush:	BBI	10.00	Type: H2O
	Lost Returns: No	Load & Bkdn:	Gal - BBI		Pad Bbl - Gal
	Actual TOC Surface	Excess /Return	BBI	37	Calc. Disp Bbl
Average	Frac. Gradient	Calc TOC	Gal - BBI	Surface	Actual Disp. 44.00
ISP 5 Min	10 Min	Treatment:	BBI	109.0	Disp Bbl
	15 Min	Cement Slurry:	BBI	163.00	
		Total Volume	BBI		

CUSTOMER REPRESENTATIVE Walter King

SIGNATURE

Thank You For Using
O - TEX Pumping

