

JOB SUMMARY				PROJECT NUMBER TN # 1190	TICKET DATE 9/25/2014
COUNTY Finney	COMPANY Linn Energy		CUSTOMER REP WELDON HIGGINS		
LEASE NAME Murphy	Well No. 4 ATU 92	JOB TYPE Surface	EMPLOYEE NAME BEAU CLEM		
EMP NAME					

BEAU CLEM					
MARIO ABREGO					
DALE PURDY					
DANIEL MUNIZ					

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
	9/24/14	09/25/14	09/25/14	09/25/14
Time	4:15PM	1:00AM	2:31AM	3:58AM

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	8.625	J-55	0	1018	2000
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole							Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	0	Density	0 Lb/Gal
Disp. Fluid	H2O	Density	8.33 Lb/Gal
Spacer type	BBL		
Spacer type	BBL	10	
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
Perpac Balls	Qty.		
Other			
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
09/25/14	4.0	09/25/14	1.5	Surface
Total	4.0	Total	1.5	

Pressures			
MAX	875	AVG	50
Average Rates in BPM			
MAX	4	AVG	3
Cement Left in Pipe			
Feet	43	Reason	Shoe Joint

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	640	Premium Class C	2% Calcium Chloride and .25 %ak Cellulose	6.34	1.35	14.8
2						
3						
4						

Summary							
Preflush Breakdown	Type:	MAXIMUM	Preflush: BBI	10.00	Type:	H2O	
Average	5 Min	Frac. Gradient	Load & Bkdn: Gal - BBI		Pad. Bbl - Gal		
	10 Min	15 Min	Excess /Return BBI	55	Calc Disp Bbl		
			Calc TOC	SURFACE	Actual Disp	62.00	
			Treatment: Gal - BBI		Disp Bbl		
			Cement Slurry BBI	154.0			
			Total Volume BBI	226.00			

CUSTOMER REPRESENTATIVE Weldon Higgins SIGNATURE

Thank You For Using
O - TEX Pumping

JOB SUMMARY

COUNTY: Finney LEASE NAME: Murphy EMP NAME: Steve Crocker	COMPANY: Linn Energy Well No: 4 ATU 92 JOB TYPE: Production	PROJECT NUMBER: TN # 1194 TICKET DATE: 9/26/2014 CUSTOMER REP: Weldon Higgins EMPLOYEE NAME: Steve Crocker
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Steve Crocker			
Chris Lewis			
Tyler Lee			

Form. Name _____ Type: _____

Packer Type _____ Set At _____

Bottom Hole Temp. _____ Pressure _____

Retainer Depth _____ Total Depth _____

Date	Called Out	On Location	Job Started	Job Completed
		09/26/14	09/26/14	09/26/14
Time		1000	1800	2100

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
Casing	New	15.5	5.5	J-40	0	2938
Liner						2500
Liner						
Tubing						
Drill Pipe						
Open Hole						
Perforations						Shots/Ft.
Perforations						
Perforations						

Materials			
	Density		Lb/Gal
Mud Type	0		
Disp. Fluid	H2O	Density	8.33
Spacer type	dium 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	
Perfpac Balls	Qty.		
Other			
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
09/26/14	11.0	09/26/14	3.0	Production
				pump 20bbls sodium silicate
				pump lead cmt at 11.5ppg
				152bbls
				pump displacement 69bbls
				CMT to Surface 70bbls
				174skts
Total	11.0	Total	3.0	

MAX	900	AVG	150
Average Rates in BPM			
MAX	3.5	AVG	3
Cement Left in Pipe			
Feet	44	Reason	Shoe Joint

Cement Data			
Stage	Sacks	Cement	Additives
1	380	O-Tex LowDense	2% Gyp, 2% Calcium Chloride, 2% C-43, 0.4% C-15, 0.4% C-41P, 0.2% C-31, 0.25 #/sk Cellulose
2	0	0	0
3			
4			
			W/Rq Yield Lbs/Gal
			13.29 2.25 11.5
			0 0 0

Summary			
Preflush Breakdown	Type: _____	Preflush: BBI	20.00
	MAXIMUM _____	Load & Bkdn: Gal - BBI	70
	Lost Returns _____	Excess / Return BBI	0
	Actual TOC _____	Calc TOC	0
Average	Frac. Gradient _____	Treatment Gal - BBI	152.0
75%	5 Min _____	Cement Slurry BBI	152.0
	10 Min _____	Total Volume BBI	241.00
	15 Min _____		

CUSTOMER REPRESENTATIVE *Weldon Higgins* SIGNATURE

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