

# JOB SUMMARY

<b>COUNTY</b> Grant	<b>PROJECT NUMBER</b> TN # 432	<b>TICKET DATE</b> 1/13/2014
<b>LEASE NAME</b> Andes	<b>COMPANY</b> Lin Energy	<b>CUSTOMER REP</b> Oriando Lozano
<b>Well No.</b> 5 ATU 181	<b>JOB TYPE</b> Surface	<b>EMPLOYEE NAME</b> Bryon Hackett

EMP NAME Bryon Hackett			
Steve Crocker			
Miguel Murgado			

Form. Name Chase Council Grove Type: \_\_\_\_\_

Packer Type \_\_\_\_\_ Set At \_\_\_\_\_

Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_

Retainer Depth \_\_\_\_\_ Total Depth \_\_\_\_\_

Date	Called Out 01/12/14	On Location 01/12/14	Job Started 01/12/14	Job Completed 01/12/14
Time	1300	1800	2240	2341

Tools and Accessories		
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
Guide Shoe	1	IR
Cement Basket	0	IR

Well Data							
	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	24	8 5/8	J-55	KB	727	1500
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole							Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
	WBM	Density	Lb/Gal
Mud Type		8.9	
Disp. Fluid	H2O	8.33	
Spacer type	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	
01/12/14	6.0	01/12/14	1.0	Surface
Total	6.0	Total	1.0	

Perfpac Balls \_\_\_\_\_ Qty. \_\_\_\_\_

Other \_\_\_\_\_

Other \_\_\_\_\_

Other \_\_\_\_\_

Other \_\_\_\_\_

Pressures			
MAX	AVG	MAX	AVG
900	100	3	3
Average Rates in BPM			
Cement Left in Pipe			
Feet	Reason	Shoe Track	

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	455	Premium Plus Class C	2% Calcium Chloride; 0.25 #/BK	8.34	1.32	14.8
2	0	0	0	0	0	0
3			Take All float equipment for longstring (5 1/2" GS, Float Insert, 26 Central			
4						

Summary					
Preflush Breakdown	Type: _____	MAXIMUM _____	Preflush: BBI	10.00	Type: H2O
	Lost Returns-#	0	Load & Bkdn: Gal - BBI		Pad: Bbl - Gal
	Actual TOC		Excess /Return BBI	45	Calc Disp Bbl
Average	Frac. Gradient		Calc TOC	0	Actual Disp.
ISIP	10 Min	15 Min	Treatment: Gal - BBI		Disp Bbl
			Cement Slurry: BBI	107.0	
			Total Volume BBI	160.00	

CUSTOMER REPRESENTATIVE \_\_\_\_\_

SIGNATURE

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O - TEX Pumping

# JOB SUMMARY

PROJECT NUMBER <b>TN # 434</b>	TICKET DATE <b>1/14/2014</b>
CUSTOMER REP <b>Orlando Lozano</b>	
EMPLOYEE NAME <b>Bryon Hackett</b>	

COURTY <b>Grant</b>	COMPANY <b>Linn Energy</b>	JOB TYPE <b>Production</b>
LEASE NAME <b>Andes</b>	Well No. <b>5 ATU181</b>	

EMP NAME	<b>Bryon Hackett</b>				
	<b>Steve Crocker</b>				
	<b>Chris Layton</b>				

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
	<b>01/13/14</b>	<b>01/14/14</b>	<b>01/14/14</b>	<b>01/14/14</b>
Time	<b>1430</b>	<b>330</b>	<b>1151</b>	<b>1415</b>

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	2	IR
Guide Shoe	1	IR
Cement Basket	0	IR

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	15.5	6.5	40	KB	3107	2600
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	SodSilc 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			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
01/14/14	8.0	01/14/14	2.5	Production
Total	8.0	Total	2.5	Cement To Surface: 25 bbls or 50 sks

Pressures			
MAX	1300	AVG	200
Average Rates in BPM			
MAX	3	AVG	3
Cement Left in Pipe			
Feet	44	Reason	Shoe Track

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	360	O-Tex Low Dense Cemen	5% GYP; 2% Calcium Chloride; 2% C-45; 0.4% C-15; 0.4% C-41P; 0.2% C-51; 0.25 lb/sk	17.24	2.80	11.0
2	0	0	0	0	0	0
3			Take 10 Gals Claymax;			
4						

Summary					
Preflush Breakdown	Type: _____	Preflush: BBI	20.00	Type: SodSilc	
	MAXIMUM	Load & Bkdn: Gal - BBI		Pad: Bbl - Gal	
	Lost Returns-N	Excess /Return BBI	25	Calc Disp Bbl	
	Actual TOC	Calc TOC	0	Actual Disp	73.00
Average ISIP	Frac. Gradient	Treatment: Gal - BBI		Disp Bbl	
5 Min	10 Min	Cement Slurry: BBI	174.0		
	15 Min	Total Volume BBI	267.00		

CUSTOMER REPRESENTATIVE \_\_\_\_\_  
 SIGNATURE \_\_\_\_\_

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