

JOB SUMMARY		PROJECT NUMBER TN # 1366	TICKET DATE 11/28/2014
COUNTY 0	COMPANY Linn Energy	CUSTOMER REP Orlando	
LEASE NAME Hornar	Well No. 5 ATU 437	EMPLOYEE NAME DAVID SIGALA	
JOB TYPE Surface			

DAVID SIGALA					
SHAWN COTTON					
SANTIAGO CALIXTO					
RICK POLK					

Form Name Class-Cement Grout Type: _____

Packer Type _____ Set At _____

Bottom Hole Temp. _____ Pressure _____

Retainer Depth _____ Total Depth _____

Date	Called Out	On Location	Job Started	Job Completed
		11/28/14	11/28/14	11/28/14
Time		1900	2000	2200

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 Shoes	0	IR
Cement Basket	0	IR

Well Data						
	New/Used	Weight	Size	Grade	From	To
Casing	New	24	8.625	200	KB	768
Liner						
Liner						
Tubing						
Drill Pipe						
Open Hole						
Perforations						Shots/Ft.
Perforations						
Perforations						

Materials			
Mud Type	Density		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	
11/28/14	4.0	11/28/14	2.0	Surface
				JOB COMPLETE SAFE
				GOOD RETURNS
				FLOATS DID NOT HOLD
				38 BBL CMT BACK
Total	4.0	Total	2.0	

Perpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Pressures	
MAX 800	AVG 100
Average Rates in BPM	
MAX 3	AVG 3
Cement Left in Pipe	
Feet 44	Reason Shoe Joint

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	480	Premium Class C	2% Calcium Chloride and .25 #/sk Cellulose	6.34	1.35	14.8
2						
3						
4						

Summary			
Preflush Breakdown	Type: MAXIMUM	Preflush: BBI	10.00
	Load Returns	Load & Bkdn: Gal - BBI	0
	Actual TOC	Excess /Return BBI	38
Average	Frac. Gradient	Calc TOC	SURFACE
5 Min	10 Min	Treatment: Gal - BBI	46.00
	15 Min	Cement Slurry BBI	116.0
		Total Volume BBI	172.00

CUSTOMER REPRESENTATIVE _____


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JOB SUMMARY

COUNTY Stanton	COMPANY Linn Energy	PROJECT NUMBER TN # 1369	TICKET DATE 11/30/2014
LEASE NAME Homar	Well No 5 ATU 437	CUSTOMER REP Weldon Higgins	EMPLOYEE NAME MARIO ABREGO
EMP NAME MARIO ABREGO		JOB TYPE Production	

MARIO ABREGO			
DAVID SAGALA			
RICKY FOLK			

Form. Name _____ Type: _____

Packer Type _____ Set At _____

Bottom Hole Temp. _____ Pressure _____

Retainer Depth _____ Total Depth _____

	Called Out	On Location	Job Started	Job Completed
Date	11/30/2014	11/30/14	11/30/14	11/30/14
Time	5:00AM	10:00AM	10:45AM	12:33PM

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	15.5	5.5	J-40	0	3069	2000
Liner							
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	HUM SILIC 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

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
11/30/14	4.0	11/30/14	2.0	Production
Total	4.0	Total	2.0	

Perfor Balls _____ Qty _____

Other _____

Other _____

Other _____

Other _____

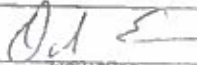
Other _____

Pressures	
MAX	1300
AVG	400
Average Rates in BPM	
MAX	3.5
AVG	3
Cement Left in Pipe	
Feet	42.6'
Reason	
Shoe Joint	

Cement Data			
Stage	Sacks	Cement	Additives
1	425	O-TEX LowDense	2% Oyp, 2% Calcium Chloride, 2% C-45, 0.4% C-15, 0.4% C-41F, 0.2% C-81, 0.25 #/sk Cellulose
2	0		
3			
4			
			W/Rq Yield Lbs/Gal
			13.29 2.25 11.5
			0 0 0

Preflush Breakdown		Summary	
Type:	MAXIMUM	Preflush:	BBI 30.00
Lost Returns:	0	Load & Bkdn:	Gal - BBI
Actual TOC:		Excess/Return:	BBI 15
Frac. Gradient:		Calc. TOC:	SURFACE
Average (5 Min):	5 Min	Treatment:	Gal - BBI
	10 Min	Cement Slurry:	BBI 170.0
	15 Min	Total Volume:	BBI 272.00
		Type:	SODIUM SILICATE
		Pad Bbl - Gal:	
		Calc Disp Bbl:	
		Actual Disp:	72.00
		Disp Bbl:	

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