

JOB SUMMARY

COUNTY	State	COMPANY	PROJECT NUMBER	TICKET DATE
Harper	Kansas	Bridge Exploration & Produc	SOK 3225	11/28/13
LEASE NAME	Well No.	JOB TYPE	CUSTOMER REP	
Cather 3507	3-4H	Surface	Claude Hallmark	
EMP NAME			EMPLOYEE NAME	
NATHAN COTTA			NATHAN COTTA	

NATHAN COTTA	0		
VONTREY W			
WALLACE B			
FLO H			

Form. Name _____ Type: _____

Packer Type _____ Set At 0
 Bottom Hole Temp. 80 Pressure _____
 Retainer Depth _____ Total Depth 800'

Tools and Accessories		
Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Va	0	IR
Centralizers	0	IR
Top Plug	1	IR
HEAD	1	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Date	Called Out	On Location	Job Started	Job Completed
	11.28.13	11.28.13	11.28.13	11.28.13
Time	1400	1730	2218	2350

Well Data							
	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		36#	9 1/2"		Surface	800'	1,500
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			12 1/4"		Surface	800'	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	8.33	8.33
Spacer type	Fresh Water	10	8.33
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	
11.28.13	6.0	11.28.13	2.0	Surface
Total	6.0	Total	2.0	

Perfpac Balls _____ Qty. - _____
 Other _____
 Other _____
 Other _____
 Other _____

Pressures	
MAX	AVG.
1,500 PSI	150
Average Rates in BPM	
MAX	AVG.
6 BPM	5
Cement Left in Pipe	
Feet	Reason
46	SHOE JOINT

Cement Data							
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal	
1	225	TEX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	11.11	2.01	12.40	
2	140	Premium Plus (Class C)	2% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80	
3	0	0		0	0.00	0.00	0.00

Summary							
Preflush Breakdown	Type: _____	MAXIMUM _____	1,500 PSI	Preflush: BBI _____	10.00	Type: Fresh Water	
	Lost Returns-N _____	NO/FULL _____		Load & Bkdn: Gal - BBI _____	N/A	Pad: Bbl - Gal _____	N/A
	Actual TOC _____	SURFACE _____		Excess /Return BBI _____	33	Calc. Disp Bbl _____	55
Average isip _____ 5 Min.	Bump Plug PSI: _____	720		Calc. TOC: _____	SURFACE	Actual Disp. _____	55.50
	10 Min _____	15 Min _____		Final Circ. PSI: _____	160	Disp: Bbl _____	55.50
				Cement Slurry BBI _____	114.0		
				Total Volume BBI _____	179.50		

CUSTOMER REPRESENTATIVE Claude Hallmark SIGNATURE

JOB SUMMARY

PROJECT NUMBER SOK 3281		TICKET DATE 12/22/13	
COUNTY Harper		State Kansas	
COMPANY Sandridge Exploration & Production		CUSTOMER REP Bill Torbett	
LEASE NAME Cather 3507		EMPLOYEE NAME LOUIS ARNEY	
Well No. 3-4H		JOB TYPE Intermediate	

EMP NAME	L. ARNEY	W. BERRY			
	M. QUINTANA	J. HALL			
	D. TEWELL				
	D. SETTLEMIER				

Form. Name _____ Type: _____

Packer Type _____ Set At 3,855'

Bottom Hole Temp. 135 Pressure _____

Retainer Depth _____ Total Depth 5,596'

	Called Out	On Location	Job Started	Job Completed
Date	12/21/2013	12/21/2013	12/22/2013	12/22/2013
Time	1300	2100	1638	1800

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	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		26#	7"		Surface		5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 1/2"		Surface	5,596'	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	WBM	Density	9	Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33	Lb/Gal
Spacer type	resh Wate BBL.		20	8.33
Spacer type	Caustic BBL.		10	8.40
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	
12/21	3.0	12/22	1.2	Intermediate
12/22	18.0			
Total 21.0		Total 1.2		

Pressures

MAX 5,000 PSI	AVG. 500
Average Rates in BPM	
MAX 8 BPM	AVG 5
Cement Left in Pipe	
Feet 46	Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	250	50/50 POZ PREMIUM	4% Gel - 0.2% FL-17 - 0.1% C-51 - 0.1% C-37 - 0.2% C-20 - 0.4% C-41P	6.93	1.43	13.60
2	100	Premium	0.2% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.4% C-41P	5.19	1.19	15.60
3	0	0		0	0.00	0.00

Summary

Preflush Breakdown	10	Type: Caustic	Preflush: BBI	30.00	Type: Gel Spacer
		MAXIMUM 5,000 PSI	Load & Bkdn: Gal - BBI	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N NO/FULL	Excess /Return BBI	N/A	Calc. Disp Bbl 213
Average		Actual TOC 1,400	Calc. TOC:	3,450	Actual Disp. 209.00
5 Min.		Bump Plug PSI: 10 Min 1,400	Final Circ. PSI:	900	Disp:Bbl
		15 Min _____	Cement Slurry: BBI	85.0	
			Total Volume BBI	324.00	

CUSTOMER REPRESENTATIVE Bill Torbett SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK 3245	TICKET DATE 12/06/13
COUNTY Harper	State Kansas	COMPANY Dridge Exploration & Produc	CUSTOMER REP Claude Hallmark	
LEASE NAME Cather 3507	Well No. 3-4H	JOB TYPE Squeeze Job	EMPLOYEE NAME Arthur Setzer	

EMP NAME	Arthur Setzar	0				
	Jared Green					
	Bryan Douglas					
	Flo Helkena					

Form. Name _____ Type: _____
Packer Type _____ Set At _____ 0
Bottom Hole Temp. _____ 90 Pressure _____
Retainer Depth _____ Total Depth _____ 0

Date	Called Out 12/6/2013	On Location 12/6/2013	Job Started 12/7/2013	Job Completed 12/7/2013
Time	1200	2000	1500	1600

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Va	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		0.0	0		Surface		1,500
Liner							
Liner							
Tubing			4"				
Drill Pipe							
Open Hole			8 3/4"		Surface	~5,300'	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	Fresh Water BBL.	10	8.33
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	
12/6	4.0	12/7	1.0	Squeeze Job
12/7	16.0			incomplete job
Total	20.0	Total	1.0	

Perfpac Balls _____ Qty. _____
Other _____
Other _____
Other _____
Other _____

Pressures	
MAX 1,500 PSI	AVG.
Average Rates in BPM	
MAX 6 BPM	AVG.
Cement Left in Pipe	
Feet	Reason SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	100	Premium H (Thixotropic)	4% Gel - 10% Gypsum - 2pps Pheno Seal	7.65	1.60	14.40
2	0	0		0	0.00	0.00
3	0	0		0	0.00	0.00

Summary					
Preflush Breakdown	Type: _____	MAXIMUM _____	1,500 PSI	Preflush: BBI _____	10.00
	Lost Returns-1)	NO/FULL _____		Load & Bkdn: Gal - BBI _____	N/A
	Actual TOC _____	SURFACE _____		Excess /Return BBI _____	
Average ISIP _____	Bump Plug PSI: _____	Final Circ. PSI: _____		Calc. TOC: _____	SURFACE
5 Min. _____	10 Min. _____	Cement Slurry BBI _____		Actual Disp. _____	
	15 Min. _____	Total Volume BBI _____		Disp:Bbl _____	
					10.00

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

JOB SUMMARY			PROJECT NUMBER SOK 3260	TICKET DATE 03/14/13
COUNTY Harper	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Bill Torbett	
LEASE NAME Cather 3507	Well No. 3-4H	JOB TYPE Plug Job	EMPLOYEE NAME LOUIS ARNEY	

EMP NAME					
L. ARNEY					
J. KLEMM					
W. BERRY					
J. HALL					

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **130°** Pressure _____

Retainer Depth _____ Total Depth **5000**

	Called Out	On Location	Job Started	Job Completed
Date	12/14/2013	12/14/2013	12/14/2013	12/15/2013
Time	1500	1700	1900	0100

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	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		0.0	0		Surface	
Liner						
Liner						
Tubing			4"			
Drill Pipe						
Open Hole			8 3/4"		Surface	5,000
Perforations						Shots/Ft.
Perforations						
Perforations						

Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	resh Water BBL.		10 8.33
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	
12/14	5.0	12/14	0.7	Plug Job
12/15	1.0			
Total		6.0	Total	0.7

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Pressures	
MAX	1,500 PSI
AVG.	300
Average Rates in BPM	
MAX	6 BPM
AVG	4
Cement Left in Pipe	
Feet	0
Reason	SHOE JOINT

Cement Data							
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal	
1	205	Premium H	0.5% C-37		3.77	0.99	17.00
2	0	0		0	0.00	0.00	0.00
3	0	0		0	0.00	0.00	0.00

Summary							
Preflush Breakdown	Type: _____	MAXIMUM	1,500 PSI	Preflush: BBI	10.00	Type: Fresh Water	
	Lost Returns-N	NO/FULL		Load & Bkdn: Gal - BBI	N/A	Pad:Bbl -Gal	N/A
	Actual TOC	SURFACE		Excess /Return BBI	0	Calc. Disp Bbl	43
Average	Bump Plug PSI:	0		Calc. TOC:	4,500	Actual Disp.	42.00
ISIP	5 Min.	10 Min	15 Min	Final Circ. PSI:	0	Disp:Bbl	
				Cement Slurry: BBI	37.0		
				Total Volume	89.00		

CUSTOMER REPRESENTATIVE Bill Torbett SIGNATURE