JOB SUMMARY

PROJECT NUMBER	SOK 3653
TICKET DATE	04/30/14
COUNTY	Harper
State	Kansas
COMPANY	dridge Exploration & Produc
CUSTOMER REP	Danny Bernard
LEASE NAME	Miller 3405
Well No.	2-3H
JOB TYPE	Surface
EMPLOYEE NAME	marcos q

EMP NAME	
Marcos Quintana	0
Wallace Berry	
David Thomas	
james b	

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 600

	Called Out	On Location	Job Started	Job Completed
Date	4/29/2014	4/30/2014	4/30/2014	4/30/2014
Time	1900	0130	0450	545

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		36#	9⅝"	Surface	600	1,500
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12¼"	Surface	600	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.	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	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Other _____

Hours On Location

Date	Hours
4/30	4.0
Total	4.0

Operating Hours

Date	Hours
4/30	2.0
Total	2.0

Description of Job

Surface

Pressures

MAX 1,500 PSI AVG. 300

Average Rates in BPM

MAX 6 BPM AVG 5

Cement Left in Pipe

Feet 47 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	230	TEX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - ¼pps Cello-Flake - .4% C-41P	11.11	2.01	12.40
2	130	Premium Plus (Class C)	2% Calcium Chloride - ¼pps Cello-Flake	6.32	1.32	14.80
3	*100	Premium Plus (Class C)	*2% Calcium Chloride on side to use if necessary	*6.32	*1.32	*14.8

Summary

Preflush		Type:		Preflush: BBl	10.00
Breakdown		MAXIMUM	1,500 PSI	Load & Bkdn: Gal - BBl	N/A
		Lost Returns-N	NO/FULL	Excess /Return BBl	50
		Actual TOC	SURFACE	Calc. TOC:	SURFACE
Average		Bump Plug PSI:	900	Final Circ. PSI:	200
ISIP _____ 5 Min. _____		10 Min _____	15 Min _____	Cement Slurry: BBl	113.0
				Total Volume BBl	163.00

Type:	Fresh Water		
Pad:Bbl -Gal	N/A		
Calc.Disp Bbl	40		
Actual Disp. Disp:Bbl	40.00		

CUSTOMER REPRESENTATIVE _____

SIGNATURE

JOB SUMMARY

PROJECT NUMBER	SOK 3719
TICKET DATE	05/14/14
COUNTY	Harper
State	Kansas
COMPANY	Sandridge Exploration & Production
CUSTOMER REP	JT Hunter
LEASE NAME	Miller
Well No.	3405 2-3H
JOB TYPE	2-Stage Intermediate
EMPLOYEE NAME	John Hall

EMP NAME

John Hall		Bryan Douglas	
Joseph Klemm		Rocky Anthis	
Roy Morris		Flo Helenka	
Randall Irvin		Paul Thomas	

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 155 Pressure _____

Retainer Depth _____ Total Depth 5,355'

	Called Out	On Location	Job Started	Job Completed
Date	5/13/2014	5/13/2014	5/13/2014	5/14/2014
Time	1200pm	400pm	930PM	0800AM

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	5,295	5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8¾"		Surface	5,355'	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	WBM	Density	9	Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33	Lb/Gal
Spacer type	GEL	BBL.	30	10.00
Spacer type	resh Wate	BBL.	10	8.30
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

Date	Hours
5/13	8.0
5/14	8.0
Total	16.0

Operating Hours

Date	Hours
5/13	2.5
5/14	2.0
Total	4.5

Description of Job

2-Stage Intermediate

26 BBLS CEMENT BACK

Pressures

MAX 5,000 PSI AVG. 200

Average Rates in BPM

MAX 8 BPM AVG

Cement Left in Pipe

Feet 47 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	240	50/50 POZ PREMIUM	4% Gel - 0.2% FL-17 - 0.1% C-51 - 0.2% C-20 - 0.1% C-37 - 0.4% C-41P (ST/	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 (STAGE 1)	5.19	1.19	15.60
3	125	O-Tex Lite 65/35 (Class C	6% Total Gel - 2% Calcium Chloride - 0.4% C-41P (STAGE 2)	11.11	2.01	12.40

Summary

Preflush	10	Type:	FreshWater	Preflush: BBl	30.00	Type:	Gel Spacer
Breakdown		MAXIMUM	5,000 PSI	Load & Bkdn: Gal - BBl	N/A	Pad:Bbl -Gal	N/A
		Lost Returns-N	NO/FULL	Excess /Return BBl	26	Calc.Disp Bbl	201/57.7
		Actual TOC	2,281/Surface	Calc. TOC:	2,281/Surface	Actual Disp.	201/57.7
Average		Bump Plug PSI:	1,050	Final Circ. PSI:	500	Disp:Bbl	201/57.7
ISIP _____	5 Min. _____	10 Min _____	15 Min _____	Cement Slurry: BBl	150.4		
				Total Volume BBl	180.40		

CUSTOMER REPRESENTATIVE _____ J.T. Hunter 5/14/14

SIGNATURE

BASIN SERVICES

1 11952

DRILLING REPORT

Rig # SOILMEC

Computer #

Driller JAMES MARONEY
Pusher RJ COFFMAN
Helper ERIC BROWN
Helper NATHAN RHODES

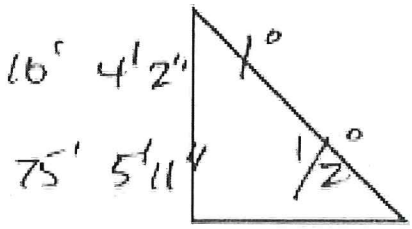
Company SANDRIDGE
Lease Name MILLER 3405 2-3H
City BLUFF CITY
County HARPER
State KS

ITEM	DATE	TIME
DEPART SHOP	4/13	2:00PM 10
ARRIVED AT RIG	4/13	4:00PM
STARTED JOB	4/13	5:00PM
FINISHED JOB	4/15	2:00AM 21
DEPARTED RIG	4/15	3:00AM
ARRIVED AT SHOP	4/15	5:00AM 5
TOTAL HOURS		39

Directions

	Depth	X	Diameter
Conductor			
Hole	90	x	30
Pipe	90	x	20
Rat			
Hole	10	x	20
Casing	10	x	16
Mouse			
Hole	75	x	20
Casing	75	x	16
Cellar			
Tin Horn	6	x	6

Drill Rig LATSHAW 36



Drilling Conditions:
0'-55' SAND
55'-90' CLAY / RED CALCITE

CEMENT

Yards: 15 Type: CEMENT Furnished by: BASIN

Pumped:	Yes	No	Furnished by: BASIN	# trucks	1
Mud Truck:	Yes	No	Furnished by: TRIPLE F	# trucks	1
Water Truck:	Yes	No	Furnished by: TRIPLE F	# trucks	1
VacTruck:	Yes	No	Furnished by: TRIPLE F	# trucks	1

HOLE COVERS: Main # _____ M/R# _____ ☐ OLD ☒ NEW ☐ NONE

FENCE

17850