

Operator Name: WM KS Energy Resources, LLC Lease Name: Churchman Bible Well #: 5
 Sec. 15 Twp. 31 S. R. 35 East West County: Stevens

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: CND/DIL	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th style="width:15%;">Top</th> <th style="width:15%;">Datum</th> </tr> </thead> <tbody> <tr> <td>Heebner</td> <td>4080</td> <td>-1065</td> </tr> <tr> <td>Lansing</td> <td>4200</td> <td>-1185</td> </tr> <tr> <td>Chester</td> <td>5603</td> <td>-2588</td> </tr> </tbody> </table>	Name	Top	Datum	Heebner	4080	-1065	Lansing	4200	-1185	Chester	5603	-2588
Name	Top	Datum											
Heebner	4080	-1065											
Lansing	4200	-1185											
Chester	5603	-2588											

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
conductor	32	20	94	40	grout	4.5 YARDS	2 % C/C
surface	12 1/4	8 5/8	24	1800	Extendachem+Halchem	655+220	2 %Cacl+ Halchem
production	7 7/8	5 1/2	17	5806	Econochem	150	KOL Seal+Halad

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
6	5654-60	A/1600 gals. 7.5% HCL/Fe	5629

TUBING RECORD: Size: <u>2 7/8</u> Set At: <u>5660</u> Packer At: <u>na</u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No											
Date of First, Resumed Production, SWD or ENHR. <u>3-12-12</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____										
Estimated Production Per 24 Hours	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">Oil Bbbs.</td> <td style="width:10%;">Gas Mcf</td> <td style="width:10%;">Water Bbbs.</td> <td style="width:10%;">Gas-Oil Ratio</td> <td style="width:10%;">Gravity</td> </tr> <tr> <td>15</td> <td>na</td> <td>25</td> <td></td> <td></td> </tr> </table>	Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity	15	na	25		
Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity							
15	na	25									

DISPOSITION OF GAS: <input checked="" type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>5654-60</u>
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KODA SERVICES, Inc. — WORK ORDER

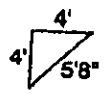
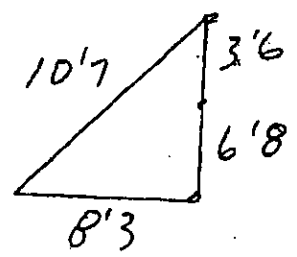
Date Called _____ Time Wanted 12-12-11
 _____ Drilling Company _____ Oil Company
Duke #6 _____ Tex-KAN
 Pusher _____
 Off. Ph. _____
 Home Ph. _____
 Mobile Ph. _____
 Lease Churchman Bibb #5
 Directions: _____ Rig # _____ Face Rig

Ticket # 6961
 Ticket # _____
 Foreman Greg
 Operator Richard
 Helper Craig S
mud Parker



Remarks: 0-40 Clay

Rat Hole 35' Mouse Hole 25'
 Conductor: Drilled 40' of 32" conductor hole
 Furnished 40' of 20" conductor pipe, _____ up
 Cellar 5x5 Main Hole _____
 Grout: 4 1/2 yards, 2% dc
 Service to run customers pipe: _____ of _____ @ _____
 Service to run pipe & cement w/pressure truck . . . \$ _____
 Furnished: Welder _____ hours @ _____
 Centralizer _____ @ _____



Toilet Hole _____

SPC 12553-RD2

Received Time Mar. 5. 2012 7:19AM No. 7105

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Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 365216	Ship To #: 2899792	Quote #:	Sales Order #: 9191690
Customer: WM KS ENERGY RESOURCES LLC		Customer Rep: DOWNEY, DON	
Well Name: Churchman Bible	Well #: 5	API/UWI #: 15-189-22777	
Field:	City (SAP): SATANTA	County/Parish: Stevens	State: Kansas
Legal Description: Section 15 Township 31S Range 35W			
Contractor: Duke		Rig/Platform Name/Num: #8	
Job Purpose: Cement Production Casing			
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: STEELE, KENNETH		Srv Supervisor: MONTOYA-MOLLINAS, ARTHUR	MBU ID Emp #: 483764

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CLEMENS, ANTHONY Jason	6.5	198516	MONTOYA-MOLLINAS, ARTHUR J	14.5	483764	STELL, KEVIN Woodrow	14.5	450776
TORRES, CLEMENTE	14.5	344233						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10240236	43 mile	10826273	43 mile	10866807	43 mile	10995007	43 mile
11706874	43 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
1/7/2012	9.5	1						
TOTAL			Total is the sum of each column separately					

Formation Name	Formation Depth (MD) Top	Bottom	Called Out	Date	Time	Time Zone
Form Type	BHST		On Location	07 - Jan - 2012	00:00	CST
Job depth MD	5809. ft	Job Depth TVD	5809. ft	Job Started	07 - Jan - 2012	11:28
Water Depth	Wk Ht Above Floor		4. ft	Job Completed	07 - Jan - 2012	12:48
Perforation Depth (MD) From	To	Departed Loc	07 - Jan - 2012	14:30	CST	

Well Data

Description	New / Used	Max pressure psig	Size In	ID In	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
7.875" Open Hole				7.875				1850.	5800.		
5.5" Production Casing	Unknown		5.5	4.892	17.	LTC	K-55		5800.		
6.625" Surface Casing	Unknown		6.625	6.097	24.	STC	J-55	1850.			

Sales/Rental Party (HES)

Description	Qty	Qty uom	Depth	Supplier
SHOE,GID,5-1/2 8RD	1	EA		
CLR,PDF FLT,5-1/2 8RD 14-23PPF,W/150	1	EA		
5.5x8.375 Millam Oil Tool Spiral Vand Tur	10	EA		
BSKT,CEM,5 1/2 CSG X 7 7/8,8 3/4 H	1	EA		
PLUG,CMTG,TOP,5 1/2,HWE,4.38 MIN/5.09 MA	1	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			

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Cementing Job Summary

Float Shoe				Bridge Plug				Bottom Plug				
Float Collar				Retainer				SSR plug set				
Insert Float								Plug Container				
Stage Tool								Centralizers				
Miscellaneous Materials												
Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty	Conc %	
Treatment Fid		Conc		Inhibitor		Conc		Sand Type		Size	Qty	
Fluid Data												
Stage/Plug #												
Fluid #	Stage Type	Fluid Name			Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Fresh Water				10.00	bbl	8.33	.0	.0	.0		
2	Sacked Super Flush	SUPER FLUSH 100 - SBM (12191)			20.00	bbl	11.7	.0	.0	.0		
	1618.4 lbm/Mgal	HALLIBURTON SUPER FLUSH (100003639)										
	1000 gal/Mgal	FRESH WATER										
3	Fresh Water				10.00	bbl	8.33	.0	.0	.0		
4	Scavenger Cement	ECONOCEM (TM) SYSTEM (452992)			50.0	sacks	12.5	1.92	9.88		9.88	
	5 lbm	KOL-SEAL, BULK (100064233)										
	0.5 %	D-AIR 5000, 50 LB SACK (102068797)										
	0.45 %	HALAD(R)-344, 50 LB (100003670)										
	9.855 Gal	FRESH WATER										
5	Tail Cement	ECONOCEM (TM) SYSTEM (452992)			250.0	sacks	13.5	1.55	7.08		7.08	
	5 lbm	KOL-SEAL, BULK (100064233)										
	0.45 %	HALAD(R)-344, 50 LB (100003670)										
	0.5 %	D-AIR 5000, 50 LB SACK (102068797)										
	7.081 Gal	FRESH WATER										
6	Treated Water				140.00	bbl	8.33	.0	.0	.0		
	1 gal/Mgal	CLA-WEB - TOTE (101985045)										
Calculated Values												
Displacement			133.7488BL	Shut In: Instant			Lost Returns			0	Cement Slurry	88
Top Of Cement			3052.7FT	5 Min			Cement Returns			0	Actual Displacement	133
Frac Gradient				15 Min			Spacers			40	Load and Breakdown	Total Job
Rates												
Circulating			3.5	Mixing			4	Displacement			7	
Cement Left In Pipe			Amount	42 ft	Reason			Shoe Joint			5	
Frac Ring # 1 @			ID	Frac ring # 2 @			ID	Frac Ring # 3 @			ID	
Frac Ring # 4 @			ID							ID		
The Information Stated Herein Is Correct						Customer Representative Signature						
						<i>Don Ramsey</i>						

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Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 365216	Ship To #: 2899792	Quote #:	Sales Order #: 9191690
Customer: WM KS ENERGY RESOURCES LLC		Customer Rep: DOWNEY, DON	
Well Name: Churchman Bible	Well #: 5	API/UWI #: 15-189-22777	
Field:	City (SAP): SATANTA	County/Parish: Stevens	State: Kansas
Legal Description: Section 15 Township 31S Range 35W			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: Duke	Rig/Platform Name/Num: #8		
Job Purpose: Cement Production Casing			Ticket Amount:
Well Type: Development Well	Job Type: Cement Production Casing		
Sales Person: STEELE, KENNETH	Srvc Supervisor: MONTOYA-MOLLINAS, ARTHUR	MBU ID Emp #: 483764	

Activity Description	Date/Time	Crt	Rate bb/ min	Volume		Pressure		Comments
				Stage	Total	Tubing	Casing	
Call Out	01/07/2012 00:00							CALL OUT CREWS FOR WM KS CHURCHMAN BIBLE 5.5 PROD CASING
Pre-Convoy Safety Meeting	01/07/2012 00:30							DISCUSS ALL POTENTIAL ROAD HAZARDS AND REVIEW JOURNEY MANAGMENT
Crew Leave Yard	01/07/2012 01:00							CALL IN JOURNEY MANAGEMENT AND CONVOY TO LOCATION
Arrive At Loc	01/07/2012 04:50							ARRIVE AT WM KS CHURCHMAN BIBLE LOCATION
Assessment Of Location Safety Meeting	01/07/2012 05:00							ASSESS LOCATION FOR HAZARDS AND TALK TO COMPANY MAN AND GET NUMBERS, CASING CREW STILL RUNNING CASING, CASING EQUIPMENT IN AREA WHERE HES NEEDS TO SPOT, CM STATED THAT AFTER TD RIG WOULD CIRCULATE AT LEAST 2 BOTTOMS UP, AND HES WILL RIG UP THEN
Activity Description	Date/Time	Crt	Rate bb/ min	Volume bb	Volume ft	Pressure PSI	Pressure PSI	Comments

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Ship To #: 2899792

Quote #:

Sales Order #: 9191690

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Cementing Job Log

Activity/Description	Date/Time	Rate GPM	Volume GAL	Pressure PSI	Comments
Pre-Rig Up Safety Meeting	01/07/2012 07:10				CASING CREW DONE, AND CLEARED FROM AREA, HES SPOT EQUIPMENT AND DISCUSS ALL POTENTIAL RIG UP HAZARDS WITH ALL HES PERSONEL ON SITE
Rig-Up Equipment	01/07/2012 07:15				RIG UP ALL HES IRON
Rig-Up Completed	01/07/2012 08:30				
Circulate Well	01/07/2012 10:45				RIG STILL CIRCULATING WELL TRYING TO BRING DOWN VISQUE FROM 55% TO 35%, RIG ALMOST READY AND RREQUESTED HES TO START MIXING SUPERFLUSH
Safety Meeting	01/07/2012 11:00				DISCUSS ALL POTENTIAL JOB HAZARDS WITH ALL PERSONEL ON SITE AND REVIEW JOB PAREMETERS, SWITCH OVER TO HES STANDPIPE
Test Lines	01/07/2012 11:26				TEST LINES 4000 PSI
Pump Spacer 1	01/07/2012 11:30		3	10	105.0 PUMP 10 BBLS OF FW AHEAD
Pump Spacer 2	01/07/2012 11:33		3.5	20	140.0 PUMP 20 BBLS OF SUPERFLUSH
Pump Spacer 1	01/07/2012 11:40		3.5	10	114.0 PUMP 10 BBLS OF FW BEHIND
Pump Lead Cement	01/07/2012 11:47		4	17	115.0 PUMP 50 SKS=17 BBLS 12.5
Pump Tail Cement	01/07/2012 11:53		4	69	96.0 SCAVENGER SLURRY PUMP 250 SKS=69 BBLS 13.5 TAIL CMT
Clean Lines	01/07/2012 12:14				WASH PUMPS AND LINES
Drop Top Plug	01/07/2012 12:20				DROP TOP PLUG
Pump Displacement	01/07/2012 12:21		7	133	108.0 PUMP 133 BBLS OF CLA WEB TREATED DISPLACEMENT

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Quote #:

Sales Order #: 9191690

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Cementing Job Log

Event	Date/Time	6	87	271.0	Description
Displ Reached Cmmt	01/07/2012 12:34	6	87	271.0	DISPLACEMENT REACHED CMT AT 87 BBLs SLOW RATE TO 6 BPM
Slow Rate	01/07/2012 12:39	3	115	471.0	SLOW RATE AT 115 BBLs TO BUMP PLUG TO 3 BPM
Bump Plug	01/07/2012 12:45	3	133	925.0	BUMP PLUG AT 133BBLs GO 500 OVER FROM 925 PSI TO 1672 PSI
Check Floats	01/07/2012 12:46			1672.0	HELD FOR A COUPLE MINS CM SAID TO CHECK FLOATS FLOATS HELD GOT 1 BBLs BACK
End Job	01/07/2012 12:48				HAD RETURNS ENTIRE CMT JOB
Pre-Rig Down Safety Meeting	01/07/2012 12:55				DISCUSS ALL POTENTIAL RIG DOWN HAZARDS WITH ALL HES PERSONEL
Rig-Down Equipment	01/07/2012 13:00				RIG DOWN ALL HES EQUIPMENT
Rig-Down Completed	01/07/2012 13:45				
Pre-Convoy Safety Meeting	01/07/2012 14:20				DISCUSS ALL POTENTIAL ROAD HAZARDS AND REVIEW JOURNEY MANAGMENT
Crew Leave Location	01/07/2012 14:30				THANK YOU FOR CHOOSING HALLIBURTON AJ AND CREW

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Sold To #: 365216

Ship To #: 2899792

Quote #:

Sales Order #: 9191690

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 365216	Ship To #: 2899792	Quote #:	Sales Order #: 9172608
Customer: WM KS ENERGY RESOURCES LLC		Customer Rep: Downey, Don	
Well Name: Churchman Bible		Well #: 5	API/UWI #: 15-189-22777
Field:	City (SAP): SATANTA	County/Parish: Stevens	State: Kansas
Legal Description: Section 15 Township 31S Range 35W			
Contractor: Duke Drilling		Rig/Platform Name/Num: 6	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: STEELE, KENNETH		Srvc Supervisor: CARRILLO, EDUARDO	MBU ID Emp #: 371263

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CARRILLO, EDUARDO Carrillo	20	371263	FARNUM, GORDON	20	477892	REDFEARN, BRADY Tanner	20	497317
RODRIGUEZ, EDGAR Alejandro	20	442125						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10744298C	43 mile	10988832	43 mile	11133699	43 mile	11715799	43 mile
11748315	43 mile	75738	43 mile				

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
12-30-2011	7	1.5	12-31-2011	13	4.5			
TOTAL		Total is the sum of each column separately						

Job

Job Times

Formation Name	Formation Depth (MD) Top	Bottom	Called Out	Date	Time	Time Zone
Form Type	1755. R	BHST	97 degF	30 - Dec - 2011	13:00	CST
Job depth MD		Job Depth TVD	1755. R	30 - Dec - 2011	17:00	CST
Water Depth		Wk Ht Above Floor	5. R	31 - Dec - 2011	01:50	CST
Perforation Depth (MD) From		To	Job Completed	31 - Dec - 2011	10:10	CST
			Departed Loc	31 - Dec - 2011	13:00	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
12.25" Open Hole				12.25					1850.		
8.625" Surface Casing	Unknown		8.625	8.097	24.	STC	J-55		1850.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
SHOE, GUIDE, 8-5/8 BRD, DOWN-JET, CEMENT	1	EA		
CLR, FLT, TROPHY SEAL, 8-5/8 BRD	1	EA		
AUTOFILL KIT, TROPHY SEAL	1	EA		
CENTRALIZER ASSY - API - 8-5/8 CSG X	10	EA		
CLAMP - LIMIT - 8-5/8 - HINGED -	2	EA		
PLUG, CMTG, TOP, 8 5/8, HWE, 7.20 MIN/8.09 MA	1	EA		
KIT, HALL WELD-A	0	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	8 5/8	1	H
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			

Summit Version: 7.2.27

Saturday, December 31, 2011 12:29:00

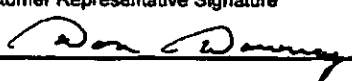
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Cementing Job Summary

Insert Float									Plug Container	8 5/8	1	H
Stage Tool									Centralizers	8 5/8	10	H
Miscellaneous Materials												
Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty		Conc %
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty
Fluid Data												
Stage/Plug #: 1												
Fluid #	Stage Type	Fluid Name			Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Fresh Water				10.00	bbl	8.33	.0	.0	.0		
2	Lead Cement	EXTENDACEM (TM) SYSTEM (452981)			655.0	sacks	12.7	1.96	10.52		10.52	
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)										
	0.5 lbm	POLY-E-FLAKE (101216940)										
	10.523 Gal	FRESH WATER										
3	Tail Cement	HALCEM (TM) SYSTEM (452986)			220.0	sacks	15.6	1.2	5.26		5.26	
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)										
	5.258 Gal	FRESH WATER										
4	Displacement				115.00	bbl	8.33	.0	.0	.0		
Calculated Values			Pressures			Volumes						
Displacement	1112	Shut In: Instant			Lost Returns		0	Cement Slurry		298	Pad	
Top Of Cement	SURFACE	5 Min			Cement Returns		35	Actual Displacement		112	Treatment	
Frac Gradient		15 Min			Spacers		16	Load and Breakdown			Total Job 424	
Rates												
Circulating	5	Mixing		5	Displacement		5	Avg. Job		5		
Cement Left In Pipe	Amount	42 ft	Reason	Shoe Joint								
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID					
The Information Stated Herein Is Correct				Customer Representative Signature								
												

Summit Version: 7.2.27

Saturday, December 31, 2011 12:29:00

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Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 365216	Ship To #: 2899792	Quote #:	Sales Order #: 9172608
Customer: WM KS ENERGY RESOURCES LLC		Customer Rep: Downey, Don	
Well Name: Churchman Bible		Well #: 5	API/UWI #: 15-189-22777
Field:	City (SAP): SATANTA	County/Parish: Stevens	State: Kansas
Legal Description: Section 15 Township 31S Range 35W			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: Duke Drilling		Rig/Platform Name/Num: 6	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: STEELE, KENNETH		Srvc Supervisor: CARRILLO, EDUARDO	MBU ID Emp #: 371263

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	12/30/2011 13:00							CALLED OUT FOR WM KS ENERGY RESOURCES LLC
Other	12/30/2011 14:20							LOADING EQUIPMENT
Pre-Convoy Safety Meeting	12/30/2011 14:45							DISCUSSED ALL ROUTES TO TAKE AND ALL HAZARDS
Arrive At Loc	12/30/2011 16:00							
Assessment Of Location Safety Meeting	12/30/2011 16:10							DISCUSSED HAZARDS ON LOCATION. DISCUSSED RIGGING AREAS. DISCUSSED EVACUATION ROUTES IN CASE OF EMERGENCY. WENT OVER JSA.
Other	12/30/2011 16:30							GOT NUMBERS FROM CUSTOMER REP. (DON DOWNEY) TDP=1755. SJ=42.22. DIPLACEMENT 112 BBLs
Rig-Up Completed	12/30/2011 17:30							
Other	12/31/2011 00:50							CASING ON BOTTOM
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

Sold To #: 365216

Ship To #: 2899792

Quote #:

Sales Order #:

9172608

SUMMIT Version: 7.2.27

Saturday, December 31, 2011 12:29:00

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HALLIBURTON

Cementing Job Log

Pre-Job Safety Meeting	12/31/2011 01:35							DISCUSSED JOB PROCEDURES WITH RIG CREW AND HES EE'S. WENT OVER NUMBERS WITH CUSTOMER REP PUMPING RATES AND PSI'S. PUMP AT 5 BPM PER CUSTOMER REP.
Other	12/31/2011 01:39							RIG WILL CIRCULATE FOR 15 MINUTES PER CUSTOMER REP.
Start Job	12/31/2011 01:50							
Test Lines	12/31/2011 01:50							TEST LINES @2000. HOLD FOR 1 MIN.
Pump Spacer 1	12/31/2011 01:54		5	10	10		100.0	PUMPED 10 BBLs FRESH H2O.
Pump Lead Cement	12/31/2011 01:57		5	228	238		235.0	PUMPED 655 SKS CMT @ 12.7 PPG / 660 = 229 BBLs CMT / 655 X 1.96 = 1284 CU/FT LEAD CMT.
Pump Tail Cement	12/31/2011 02:37		5	47	285		250.0	PUMPED 220 SKS CMT @ 15.6 PPG / 220 = 47 BBLs CMT / 220 X 1.2 = 264 CU/FT CMT TAIL CMT.
Drop Plug	12/31/2011 02:45							
Pump Displacement	12/31/2011 02:46		5	112	397		300.0	PUMPED 112 BBLs OF DISPLACEMENT
Other	12/31/2011 03:05							DISPLACEMENT REACHED CMT
Slow Rate	12/31/2011 03:05		2	112	397		500.0	SLOWED DOWN LAST 10 BBLs DISPLACEMENT @ 2 BPM.
Bump Plug	12/31/2011 03:13						600.0	BUMPED @ 600 TOOK TO 1200 PSI 500 OVER. WE HAD GOOD RETURNS THE HOLE JOB BUT DIDN'T GET CMT TO SURFACE.
Check Floats	12/31/2011 03:15							FLOATS HEALD GOT 1 BBL BACK
End Job	12/31/2011 03:34							1ST STAGE. WILL HAVE TO 1 INCH
Other	12/31/2011 03:40							CUSTOMER REP REQUESTED 300 SKS
Start Job	12/31/2011 09:19							

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Ship To #: 2899792

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Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Spacer 1	12/31/2011 09:21		2	4	401		200.0	PUMPED 6 BBLS FRESH WATER
Pump Spacer 1	12/31/2011 09:23		2	2	403		200.0	
Pump Cement	12/31/2011 09:26		2	21	424		268.0	PUMPED 100 SKS @ 15.6 WITH 3% CC. 21 BBLS TOTAL
Other	12/31/2011 10:03							CLEAN LINES
End Job	12/31/2011 10:10							END TOP-OUT STAGE. WAIT FOR CUSTOMER REP. TO DECIDE ON MORE CMT OR TO FINISH UP.
Other	12/31/2011 11:45							CUSTOMER REP SAID TO RIG UP.
Pre-Rig Down Safety Meeting	12/31/2011 12:00							DISCUSSED ALL RED ZONES PROPER LIFTING TECHNIQUES. SAFELY DRIVE EQUIPMENT OUT OF LOCATION
Rig-Down Completed	12/31/2011 13:00							
Other	12/31/2011 13:05							THANK YOU ED AND HALLIBURTON CREW.
Crew Leave Location	12/31/2011 13:10							DISCUSSED ALL ROUTES AND HAZARDS BACK TO THE YARD.

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