

# HALLIBURTON

# Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 372073	Ship To #: 3287243	Quote #: 0021987064	Sales Order #: 0902047990
Customer: TAPSTONE ENERGY LLC		Customer Rep: SKIPPER GRAPE	
Well Name: KOBLITZ 3409	Well #: 28-2H	API/UWI #: 15-077-22125-01	
Field: WLD CAT	City (SAP): ANTHONY	County/Parish: HARPER	State: KANSAS
Legal Description: E2 NE NW NE-28-34S-9W-330FNL-1505FEL			
Contractor: NOMAC		Rig/Platform Name/Num: NOMAC 07	
Job BOM: 7521			
Well Type: HORIZONTAL OIL			
Sales Person: HALAMERICA\HX25353		Srvc Supervisor: Stuart Christensen	
<b>Job</b>			

Formation Name			
Formation Depth (MD)	Top		Bottom
Form Type			BHST
Job depth MD	812ft		Job Depth TVD 806 FT
Water Depth			Wk Ht Above Floor 3 FT
Perforation Depth (MD)	From		To

### Well Data

Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Open Hole Section			12.25				0	806	0	806
Casing	3	9.625	8.921	36	LTC	J-55	0	812	0	812

### Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	9.625	1		812	Top Plug	9.625	1	HES
Float Shoe	9.625	1			Bottom Plug	9.625	1	HES
Float Collar	9.625	1			SSR plug set	9.625	1	HES
Insert Float	9.625	1			Plug Container	9.625	1	HES
Stage Tool	9.625	1			Centralizers	9.625	1	HES

### Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc
Treatment Fid	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 <sup>3</sup> /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	Water Spacer	Water Spacer	10	bbl	8.33				

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
2	Primary Cement	SWIFTCEM (TM) SYSTEM	490	sack	15	1.319		4	6.25
		94 lbm CMT - STANDARD - CLASS A REG OR TYPE I, BULK (100003684)							

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2 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)								
0.1250 lbm		POLY-E-FLAKE (101216940)								
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
3	Displacement	Displacement	59	bbf	8.33					
<b>Cement Left In Pipe</b>		<b>Amount</b>	46 ft		<b>Reason</b>			Shoe Joint		
<b>Comment</b>										

# Summary Report



Sales Order #: 0902047990  
WO #: 0902047990  
PO/AFE #: NA

Crew: \_\_\_\_\_

Job Start Date: 1/26/2015

Customer: TAPSTONE ENERGY LLC  
UWI / API Number: 15-077-22125-01  
Well Name: KOBLITZ 3409  
Well No: 28-2H

Field: WILDCAT  
County/Parish: HARPER  
State: KANSAS  
Latitude: 37.064351  
Longitude: -98.297773  
Sec / Twn / Rng: 28/34/9

Job Type: CMT SURFACE CASING BOM  
Service Supervisor: Stuart Christensen  
Cust Rep Name: SKIPPER GRAPE  
Cust Rep Phone #:

Remarks:

The Information Stated Herein Is Correct	Customer Representative Signature <i>Skinner Grape</i>	Date 1/26/15
	Customer Representative Printed Name <i>Skinner Grape</i>	

1.5 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Combined Pump Rate (bbl/min)	Driv-Side Pump Pressure (psi)	Pump Stage Total (b bl)	Downhole Density (ppg)	Comments
Event	1	Call Out	Call Out	1/25/2015	18:00:00	USER					CREW CALLED TO YARD FOR JOB. ON LOCATION AS SOON AS SAFELY POSSIBLE.
Event	2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	1/25/2015	21:35:00	USER					CREW DISCUSSED ROUTE OF TRAVEL, HAZARDS, AND WEATHER.
Event	3	Depart Home for Location	Depart Home for Location	1/25/2015	21:45:00	USER					CREW DEPARTED YARD FOR LOCATION. CONTACTED JO URNEY MANAGEMENT.
Event	4	Arrive At Loc	Arrive At Loc	1/26/2015	03:00:00	USER					CREW ARRIVED ON LOCATION. CONFIRMED ON LOCATION TIME AT 0800, PER EMAIL FROM COORDINATOR. RIG ON BOTTOM WITH DRILL PIPE, ABOUT TO REMOVE DRILL PIPE.
Event	5	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	1/26/2015	03:05:00	USER					CREW DISCUSSED SPOTTING OF EQUIPMENT, LOCATION OF RESOURCES, SAFETY CONCERNS, AND HAZARDS.
Event	6	Other	Other	1/26/2015	03:15:00	USER					TALKED WITH COMAN: TD: 806', TP: 812', 9 5/8", 36#, J-55, ST: 46', OH: 12 1/4", MUD: 9.0 PPG, WATER TEST: GOOD.
Event	7	Other	Other	1/26/2015	03:25:00	USER					UNABLE TO SPOT EQUIPMENT UNTIL

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Combined Pump Rate (bbl/min)	Drv-Side Pump Pressure (psi)	Pump Stage Total (bbl)	Downhole Density (ppg)	Comments
Event	8	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	1/26/2015	09:35:00	USER					CASING NEAR COMPLETION, CONFIRMED WITH COMAN.
Event	9	Rig-Up Equipment	Rig-Up Equipment	1/26/2015	09:45:00	USER					CREW DISCUSSED JOB TASKS, SAFETY CONCERNS, RIG UP PROCEDURES, AND HAZARDS.
Event	10	Rig-Up Completed	Rig-Up Completed	1/26/2015	10:40:00	USER	7.50	100.00	12.9	8.56	CREW BEGAN RIGGING UP.
Event	11	Safety Meeting	Safety Meeting	1/26/2015	10:45:00	USER	0.00	-16.00	18.6	8.40	CREW HELD SAFETY MEETING WITH RIG CREW: DISCUSSED PUMP SCHEDULE, JOB TASKS, SAFETY CONCERNS, HAZARDS, AND EMERGENCY RESPONSE.
Event	12	Start Job	Start Job	1/26/2015	10:53:48	COM5	0.00	-3.00	0.0	8.30	STARTED JOB.
Event	13	Test Lines	Test Lines	1/26/2015	10:57:39	COM5	0.60	38.00	2.2	8.33	TESTED KICKOUTS TO 500 PSI.
Event	14	Test Lines	Test Lines	1/26/2015	10:58:49	COM5	0.60	3.00	2.3	8.22	TESTED LINES TO 3000 PSI, HELD FOR 3 MINUTES. RESET KICKOUTS TO 1500 PSI.
Event	15	Pump Spacer 1	Pump Spacer 1	1/26/2015	11:06:04	COM5	0.80	-4.00	0.0	8.23	PUMPED 10 BBLS OF FRESH WATER SPACER.
Event	16	Pump Cement	Pump Cement	1/26/2015	11:12:58	COM5	5.10	143.00	0.0	9.04	PUMPED 115 BBLS OF CEMENT MIXED @ 15 PPG, 490 SKS.
Event	17	Check Weight	Check weight	1/26/2015	11:17:30	COM5	5.10	165.00	23.1	14.84	MUD CUP SAMPLE: 15 PPG.

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Combined Pump Rate (bbl/min)	Drive-Side Pump Pressure (psi)	Pump Stage Total (bbl)	Downhole Density (ppg)	Comments
Event	18	Drop Top Plug	Drop Top Plug	1/26/2015	11:37:41	COM5	2.10	4.00	105.5	8.99	SHUT DOWN. DROPPED TOP PLUG FROM PLUG CONTAINER WITH COMAN.
Event	19	Pump Displacement	Pump Displacement	1/26/2015	11:37:45	COM5	2.10	6.00	105.6	13.28	PUMPED 59 BBLS OF FRESH WATER DISPLACEMENT.
Event	20	Other	Other	1/26/2015	11:42:01	COM5	5.90	216.00	19.8	8.37	CEMENT RETURNS TO SURFACE @ 18 BBLS GONE, ABOUT 40 BBLS BACK TO SURFACE.
Event	21	Displ Reached Cmnt	Displ Reached Cmnt	1/26/2015	11:42:42	COM5	5.90	235.00	23.9	8.36	DISPLACEMENT REACHED CEMENT @ 20 BBLS GONE.
Event	22	Other	Other	1/26/2015	11:45:53	COM5	3.10	263.00	42.2	8.30	SLOWED RATE TO 3 BPM @ 40 BBLS GONE.
Event	23	Bump Plug	Bump Plug	1/26/2015	11:51:05	COM5	0.00	1388.00	57.9	8.32	BUMPED PLUG @ 340 PSI. PLUS 500 PSI OVER. PRESSURE ROSE QUICKLY TO 1490 PSI.
Event	24	Other	Other	1/26/2015	11:52:32	COM5	0.00	1490.00	57.9	8.34	CHECKED FLOATS. FLOATS HELD. 0.5 BBLS BACK.
Event	25	End Job	End Job	1/26/2015	11:54:16	COM5					ENDED JOB.
Event	26	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	1/26/2015	12:00:00	USER	0.00	-20.00	57.9	8.29	CREW DISCUSSED RIG DOWN PROCEDURES, JOB TASKS, SAFETY CONCERNS, AND HAZARDS.
Event	27	Rig-Down Equipment	Rig-Down Equipment	1/26/2015	12:10:00	USER					CREW BEGAN RIGGING DOWN.
Event	28	Rig-Down Completed	Rig-Down Completed	1/26/2015	13:15:00	USER					CREW COMPLETED RIG DOWN.
Event	29	Depart Location Safety Meeting	Depart Location Safety Meeting	1/26/2015	13:20:00	USER					CREW DISCUSSED ROUTE OF TRAVEL.

# HALLIBURTON

TAPSTONE ENERGY LLC  
 TAPSTONE KOBLITZ 3409 28-2H SURFACE  
 Case 1

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Combined Pump Rate (bbl/min)	Driv-Side Pump Pressure (psi)	Pump Stage Total (bbl)	Downhole Density (ppg)	Comments
Event	30	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	1/26/2015	13:30:00	USER					WEATHER, AND HAZARDS.
Event	31	Other	Other	1/26/2015	13:31:00	USER					CREW DEPARTED LOCATION FOR YARD. CONTACTED JOURNEY MANAGEMENT. THANK YOU FOR CHOOSING HALLIBURTON.