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**WILLIAMS PRODUCTION RMT INC - EBUS**

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**SG 344-22  
GRAND VALLEY  
Garfield County , Colorado**

**Cement Surface Casing  
28-Dec-2011**

**Post Job Report**

*The Road to Excellence Starts with Safety*

Sold To #: 300721	Ship To #: 2896808	Quote #:	Sales Order #: 9133493
Customer: WILLIAMS PRODUCTION RMT INC - EBUS	Customer Rep: OLSEN, MIKE		
Well Name: SG	Well #: 344-22	API/UWI #: 05-045-20681	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.418 deg. OR N 39 deg. 25 min. 5.434 secs.	Long: W 108.086 deg. OR W -109 deg. 54 min. 48.877 secs.		
Contractor: H&P Drilling	Rig/Platform Name/Num: H&P 280		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: SCOTT, KYLE	Srv Supervisor: SMITH, DUSTIN	MBU ID Emp #: 418015	

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BURKE, BRENDAN Patrick	7	487782	KUKUS, CRAIG A	7	369124	SMITH, DUSTIN Michael	7	418015
WYCKOFF, RYAN Scott	7	476117						

**Equipment**

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10297346	60 mile	10872429	60 mile	11071559	60 mile	11259883	60 mile
11360883	60 mile						

**Job Hours**

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
12/27/11	4.5	1.5	12/28/11	2.5	1			

TOTAL Total is the sum of each column separately

Job				Job Times			
Formation Name				Date	Time	Time Zone	
Formation Depth (MD)	Top	Bottom		Called Out	27 - Dec - 2011	15:00	MST
Form Type		BHST		On Location	27 - Dec - 2011	19:30	MST
Job depth MD	820. ft	Job Depth TVD	820. ft	Job Started	27 - Dec - 2011	23:59	MST
Water Depth		Wk Ht Above Floor	5. ft	Job Completed	28 - Dec - 2011	00:40	MST
Perforation Depth (MD)	From	To		Departed Loc	28 - Dec - 2011	02:30	MST

**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
13 1/2" Open Hole				13.5				.	820.		
9 5/8" Surface Casing	New		9.625	9.001	32.3		H-40	.	806.		

**Sales/Rental/3<sup>rd</sup> Party (HES)**

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 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	9 5/8	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9 5/8	1	HES
Stage Tool										Centralizers			

**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 <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water		20.00	bbl	8.33	.0	.0	4.0	
2	VersaCem Tail Cement	VERSACEM (TM) SYSTEM (452010)	225.0	sacks	12.8	2.11	11.75	8.0	11.75
11.75 Gal		FRESH WATER							
3	Displacement Fluid		60.0	bbl	8.34	.0	.0	10.0	
<b>Calculated Values</b>		<b>Pressures</b>		<b>Volumes</b>					
Displacement	60.0	Shut In: Instant		Lost Returns	0	Cement Slurry	84.6	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	15	Actual Displacement	60.0	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	164
<b>Rates</b>									
Circulating		Mixing	8	Displacement	10	Avg. Job			9
Cement Left In Pipe	Amount	43.55 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					



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Legal Description:			
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Job Purpose: Cement Surface Casing	Ticket Amount:		
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: SCOTT, KYLE	Srv Supervisor: SMITH, DUSTIN	MBU ID Emp #: 418015	

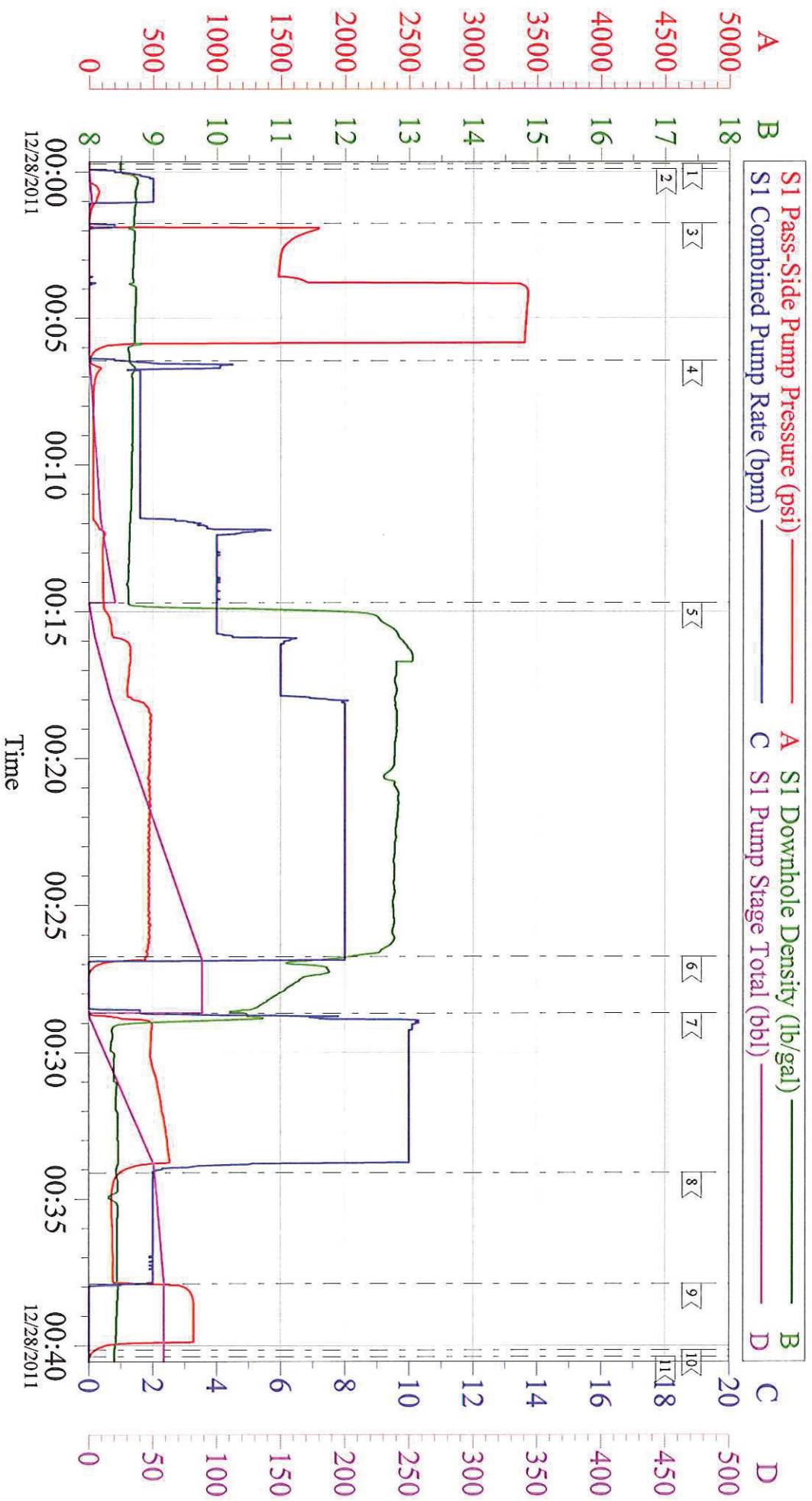
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	12/27/2011 15:00							ELITE # 7
Depart Yard Safety Meeting	12/27/2011 18:30							ALL HES EMPLOYEES
Arrive At Loc	12/27/2011 19:30							ARRIVED ON LOCATION 1 1/2 HOURS EARLY DIDNT START CHARGING TIME UNTIL REQUESTED ON LOCATION TIME RIG RIGGING UP CASING CREW
Assessment Of Location Safety Meeting	12/27/2011 19:40							ALL HES EMPLOYEES
Pre-Rig Up Safety Meeting	12/27/2011 20:50							ALL HES EMPLOYEES
Rig-Up Equipment	12/27/2011 21:00							1 F-550 PICKUP 1 HT-400 PUMP TRUCK 1 660 BULK TRUCK
Pre-Job Safety Meeting	12/27/2011 23:45							ALL HES EMPLOYEES AND RIG CREW
Rig-Up Completed	12/27/2011 23:59							RIG CIRCULATED FOR 1 HOUR PRIOR TO JOB CIRCULATED THROUGH CEMENT HEAD
Start Job	12/27/2011 23:59							TD: 820 TP: 806 SJ: 43.55 MUD WT: 9.8 PPG 9 5/8 32.3# CSG 13 1/2 OH
Test Lines	12/28/2011 00:01					3440.0		PRESSURE TEST OK
Pump Spacer	12/28/2011 00:06		4	20	20		138.0	FRESH WATER

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Tail Cement	12/28/2011 00:14		8	84.6	84.6		489.0	225 SKS 12.8 PPG 2.11 YIELD 11.75 GAL/SK TAIL CEMENT WEIGHT VERIFIED VIA MUD SCALES THROUGHOUT TAIL CEMENT CEMENT GOT LIGHT AT END OF TAIL CEMENT HAD OPERATOR SHUT DOWN
Shutdown	12/28/2011 00:26							
Drop Plug	12/28/2011 00:26							PLUG AWAY NO PROBLEMS UNABLE TO WASH UP ON TOP OF PLUG HAD LIGHT CEMENT LEFT IN TUB
Pump Displacement	12/28/2011 00:28		10	60	60		617.0	FRESH WATER
Slow Rate	12/28/2011 00:34		2	50	50		200.0	SLOW RATE TO BUMP PLUG
Bump Plug	12/28/2011 00:37		2	60	60		833.0	PSI BEFORE BUMPING PLUG @ 200 PSI BUMPED PLUG UP TO 833 PSI
Check Floats	12/28/2011 00:40							FLOATS HELD GOT 1/2 BBL BACK INTO DISPLACEMENT TANK
End Job	12/28/2011 00:40							GOOD CIRCULATION THROUGHOUT JOB NO PIPE MOVEMENT DURING JOB 15 BBLs CEMENT TO SURFACE
Pre-Rig Down Safety Meeting	12/28/2011 00:50							ALL HES EMPLOYEES
Rig-Down Equipment	12/28/2011 01:20							
Pre-Convoy Safety Meeting	12/28/2011 02:20							ALL HES EMPLOYEES
Crew Leave Location	12/28/2011 02:30							THANK YOU FOR USING HALLIBURTON CEMENT DUSTIN SMITH AND CREW



# WILLIAMS PRODUCTION SG 344-22

9 5/8 SURFACE



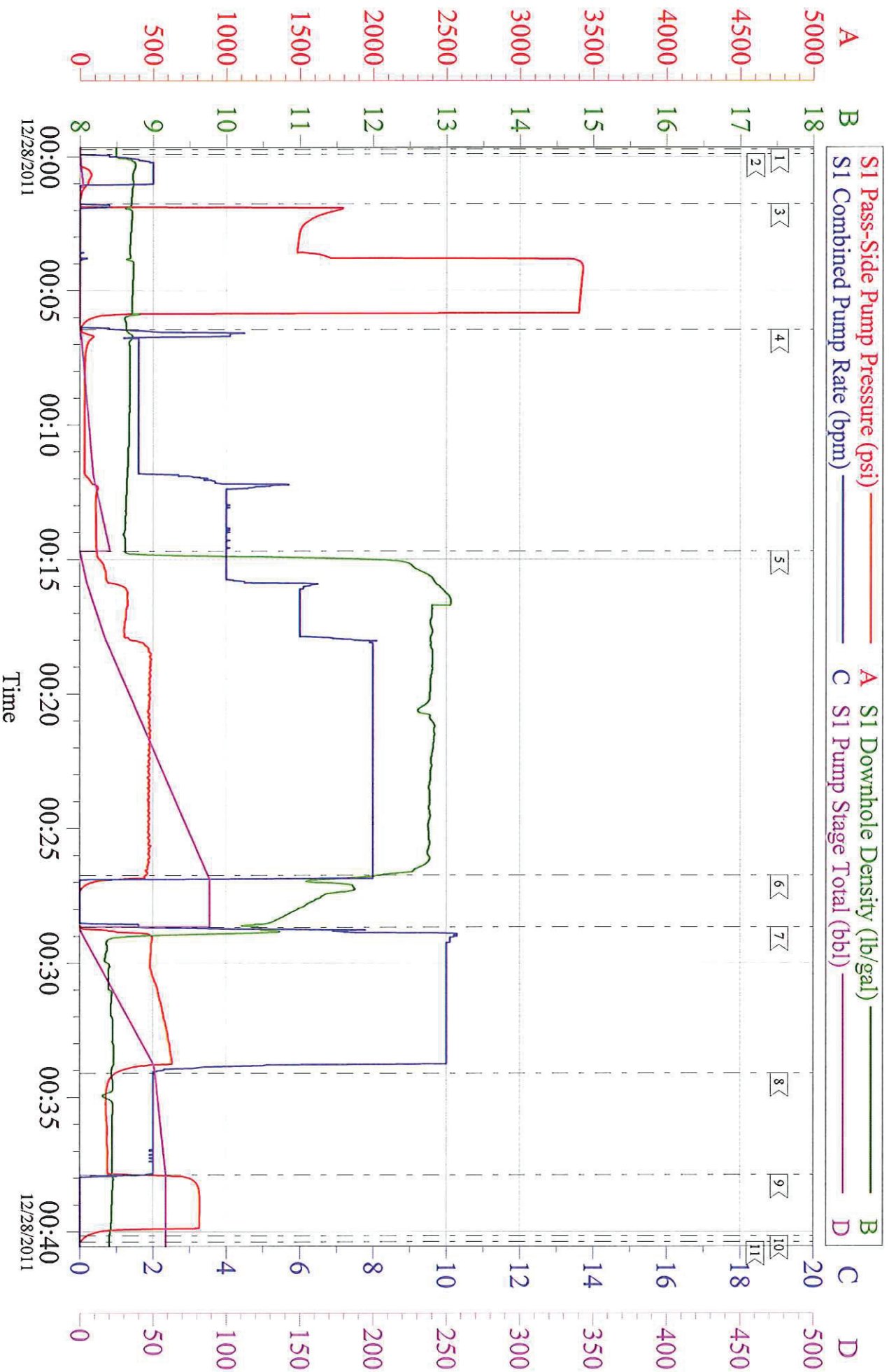
## Local Event Log

1 < START JOB	12/27/2011 23:59:44	2 < FILL LINES	12/27/2011 23:59:54	3 < TEST LINES	12/28/2011 00:01:46
4 < PUMP SPACER	12/28/2011 00:06:27	5 < PUMP TAIL CEMENT	12/28/2011 00:14:42	6 < SHUTDOWN/ DROP PLUG	12/28/2011 00:26:45
7 < PUMP DISPLACEMENT	12/28/2011 00:28:40	8 < SLOW RATE	12/28/2011 00:34:06	9 < BUMP PLUG	12/28/2011 00:37:53
10 < CHECK FLOATS	12/28/2011 00:40:09	11 < END JOB	12/28/2011 00:40:23		

Customer: WILLIAMS PRODUCTION	Job Date: 27-Dec-2011	Sales Order #: 9133493
Well Description: SG 344-22	Job Type: 9 5/8 SURFACE	ADC Used: YES
Company Rep: MIKE OLSEN	Cement Supervisor: DUSTIN SMITH	Elite #: 7 BRENDAN BURKE

# WILLIAMS PRODUCTION SG 344-22

## 9 5/8 SURFACE



Customer: WILLIAMS PRODUCTION  
Well Description: SG 344-22  
Company Rep: MIKE OLSEN

Job Date: 27-Dec-2011  
Job Type: 9 5/8 SURFACE  
Cement Supervisor: DUSTIN SMITH

Sales Order #: 9133493  
ADC Used: YES  
Elite #: 7 BRENDAN BURKE