

SLAWSON COMPANIES  
204 N ROBINSON STE 2300  
OKLAHOMA CITY, Oklahoma

Outlaw 16-11-66

**CADE Drilling 24**

## **Post Job Summary**

### **Cement Surface Casing**

Prepared for:	Andy Peterson
Date Prepared:	9/14/2010
Version: 1	

Service Supervisor: Larry LaValley

Submitted by: Wes Aaron

**HALLIBURTON**

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## Service Supervisor Reports

### Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)	Comments
09/09/2010 12:30		Start Job						
09/09/2010 12:33		Test Lines					2000.0	
09/09/2010 12:40		Other						AFTER PRESSURE TEST FLECS SYSTEM WENT DOWN COULD NOT USE TOUCH SCREEN AT ALL HAD TO MIX BY HAND AND HAD ENGINEER WEIGHING CEMENT CONSTANTLY AND ALL WEIGHTS WERE WITHIN TWO TENTHS OF ORDERED DENSITY.
09/09/2010 12:45		Pump Spacer 1	5	50			220.0	RIG WATER WITH #2 RHODAMINE RED LIQUID DYE
09/09/2010 13:10		Pump Lead Cement	5	176			280.0	585 SKS HLC STANDARD MIXED AT 13.1#
09/09/2010 14:05		Pump Tail Cement	3	61			73.0	300 SKS TAIL CEMENT MIXED AT 15.8#
09/09/2010 14:30		Shutdown						DID NOT WASH PUMP AND LINES
09/09/2010 14:32		Drop Top Plug						PRELOADED PLUG ON LOCATION
09/09/2010 14:33		Pump Displacement	5	158			300.0	RIG WATER WITH NO ADDITIVES
09/09/2010 15:10		Bump Plug	3				820.0	CALCULATED PRESSURE TO LAND WAS 767PSI CALCULATED PRESSURE TO LIFT WAS 860 PSI
09/09/2010 15:15		End Job						

## The Road to Excellence Starts with Safety

Sold To #: 305440	Ship To #: 2806354	Quote #:	Sales Order #: 7626080
Customer: SLAWSON COMPANIES		Customer Rep: Hoffman, Ray	
Well Name: Outlaw		Well #: 16-11-66	API/UWI #: 05-123-32006-00
Field: WILDCAT	City (SAP): NUNN	County/Parish: Weld	State: Colorado
Contractor: CADE Drilling		Rig/Platform Name/Num: CADE24	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: FLING, MATTHEW		Srvc Supervisor: LAVALLEY, LARRY	MBU ID Emp #: 419296

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
GRAHAM, BEN		123456	JACKSON, JESSE James		477854	LAVALLEY, LARRY P		419296
OLSON, NICHOLAS Martin		470709	OZBUN, RYAN Jacob		475709	RAMOS, REFUGIO Castro		435413

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10246780C	66 mile	10719784	66 mile	10822531C	66 mile	10866493C	66 mile
11036298	66 mile	11488570C	66 mile				

## Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL	Total is the sum of each column separately							

## Job

Formation Name					Job Times			
Formation Depth (MD)	Top	Bottom			Called Out	Date	Time	Time Zone
Form Type	BHST				On Location	09 - Sep - 2010	10:30	MST
Job depth MD	2025. ft		Job Depth TVD	2025. ft	Job Started	09 - Sep - 2010	12:30	MST
Water Depth			Wk Ht Above Floor	6. ft	Job Completed	09 - Sep - 2010	15:15	MST
Perforation Depth (MD)	From	To			Departed Loc	09 - Sep - 2010	16:00	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
Open Hole				13.5				.	2070.		
Surface Casing	New		9.625	8.921	36.		J-55	.	2028.		

## Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

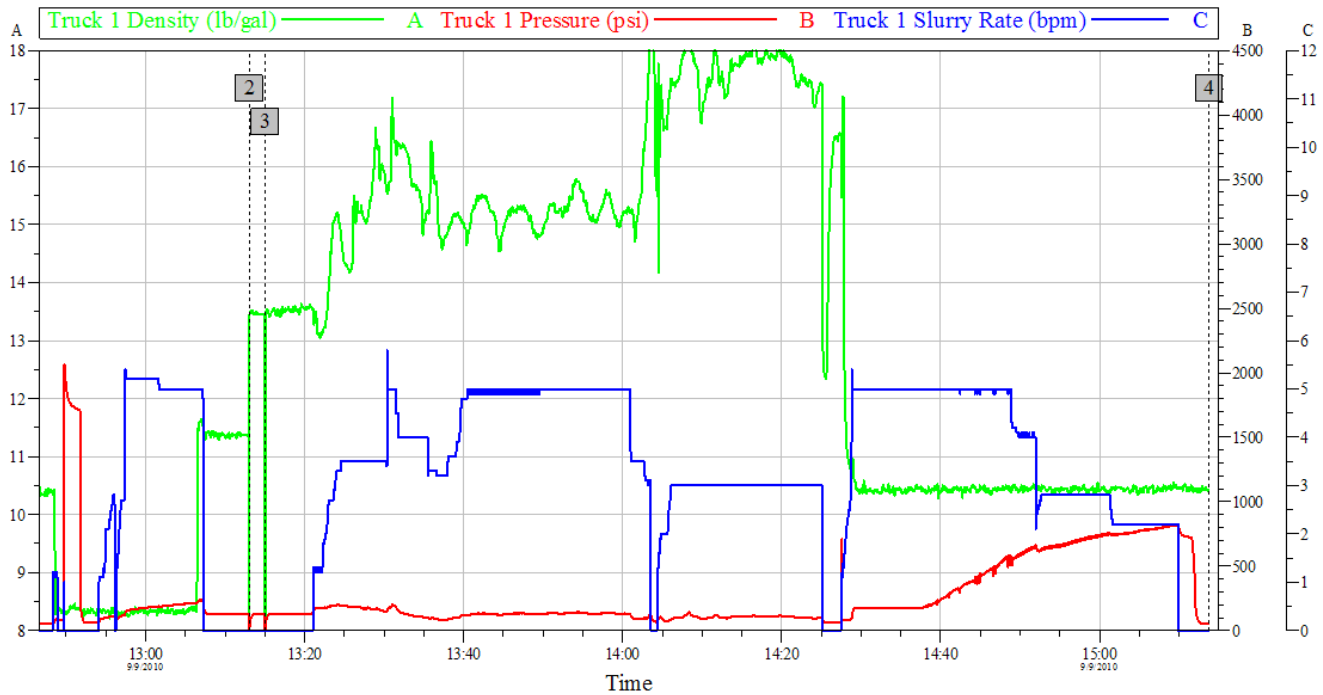
## Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment 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	Dyed Water Spacer		50.00	bbl	8.4	.0	42.0	5.0		
1.9 lbm/Mgal		RHODAMINE RED LIQUID DYE # 2 (101201084)								
2	Lead Cement 13.1#		585.0	sacks	13.1	1.69	8.64	5.0	8.64	
3 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)								
0.125 lbm		POLY-E-FLAKE (101216940)								
8.64 Gal		FRESH WATER								
3	Tail Cement 15.8#	CMT - STANDARD TYPE I / II CEMENT (101439798)	300.0	sacks	15.8	1.15	5.0	5.0	5.0	
94 lbm		TYPE I / II CEMENT, BULK (101439798)								
2 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)								
0.125 lbm		POLY-E-FLAKE (101216940)								
5 Gal		FRESH WATER								
4	Displacement		158.00	bbl	8.7			5.0		
Calculated Values		Pressures		Volumes						
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad		
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment		
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job		
Rates										
Circulating		Mixing		Displacement		Avg. Job				
Cement Left In Pipe	Amount	16 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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## SLAWSON EXPLORATION OUTLAW 9.625 SURFACE



Global Event Log											
Intersection			TID	TIP	TISR	Intersection			TID	TIP	TISR
1	Starting Job	11:49:21	10.38	54.00	0.000	2	Drop Ball	13:13:02	6.054	68.74	0.000
3	Drop Ball	13:15:01	0.596	5.758	0.000	4	Ending Job	15:13:45	10.41	56.00	0.000

Customer: SLAWSON EXPLORATION  
Well Description: 9.625 SURFACE

Job Date: 09-Sep-2010  
UWI: 05-123-32006-00

Sales Order #: 7626080

HALLIBURTON  
OptiCem v6.4.2  
09-Sep-10 15:17