

RUBICON OIL & GAS LLC EBUSINESS  
DO NOT MAIL - 508 W WALL ST STE 500  
MIDLAND, Texas

Pawnee 2-13-1

**ENSIGN #14**

## **Post Job Summary**

### **Plug Service - Whipstock**

Prepared for: Heather Bader  
Date Prepared: 4/6/2010  
Version: 1

Service Supervisor: Richard Congdon

Submitted by: Wes Aaron

**HALLIBURTON**

# HALLIBURTON

## Service Supervisor Reports

### Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
04/04/2010 01:30		Safety Meeting - Pre Job					
04/04/2010 02:00		Start Job					RIG CIRCULATED WELL 3 HOURS PRIOR TO STARTING CEMENT
04/04/2010 02:04		Test Lines				2513.0	
04/04/2010 02:06		Pump Water	4	30		155.0	RIG WATER AHEAD OF CEMENT WITH 2# RED DYE IN THE LAST 10 BBL
04/04/2010 02:15		Pump Cement	4	37		515.0	138 SACKS 15.8PPG PLUG CEMENT MIXED WITH RIG WATER
04/04/2010 02:24		Pump Water	4	5		78.0	RIG WATER BEHIND CEMENT
04/04/2010 02:26		Pump Well Fluid	4	77		17.0	9.3PPG WBM TO BALANCE PLUG SET @ APROX. 8610' TO 8113'
04/04/2010 02:45		Shutdown					PLUG BALANCED
04/04/2010 02:50		Wait on Customer or Customer Sub-Contractor Equip					WAIT WHILE RIG CREW PULLED 5 STANDS OF DRILL PIPE @ APROX. 45' PER MINUTE. APROX. 487'
04/04/2010 03:15		Circulate Well					RIG CIRCULATED WELL.APROX. 1/2BBL CEMENT RETURNED TO SURFACE
04/04/2010 04:55		Safety Meeting - Pre Job					
04/04/2010 05:07		Pump Water	4	30		397.0	RIG WATER AHEAD OF CEMENT WITH 2# RED DYE IN THE LAST 10 BBL
04/04/2010 05:15		Pump Cement	4	37		470.0	138 SACKS 15.8PPG PLUG CEMENT MIXED WITH RIG WATER
04/04/2010 05:24		Pump Water	4	5		45.0	RIG WATER BEHIND CEMENT.
04/04/2010 05:26		Pump Well Fluid	4	72		27.0	9.3PPG WBM TO BALANCE PLUG SET @ APROX. 8123' TO 7626'
04/04/2010 05:43		Shutdown					PLUG BALANCED
04/04/2010 05:45		Wait on Customer or Customer Sub-Contractor Equip					WAIT WHILE RIG CREW PULLED 5 STANDS OF DRILL PIPE @ APROX. 45' PER MINUTE. APROX. 487'
04/04/2010 06:10		Circulate Well					RIG CIRCULATED WELL.APROX. 1/2BBL CEMENT RETURNED TO SURFACE
04/04/2010 07:30		Safety Meeting - Pre Job					
04/04/2010 07:35		Pump Water	4	30		373.0	RIG WATER AHEAD OF CEMENT WITH 2# RED DYE IN THE LAST 10 BBL
04/04/2010 07:43		Pump Cement	4	38		464.0	139 SACKS 15.8PPG PLUG CEMENT MIXED WITH RIG WATER
04/04/2010 07:52		Pump Water	4	5		127.0	RIG WATER BEHIND CEMENT.
04/04/2010 07:53		Pump Well Fluid	4	67		38.0	9.3PPG WBM TO BALANCE PLUG SET @ APROX. 7636' TO 7126'
04/04/2010 08:09		Shutdown					PLUG BALANCED
04/04/2010 08:13		Wait on Customer or Customer Sub-Contractor Equip					WAIT WHILE RIG CREW PULLED 5 STANDS OF DRILL PIPE @ APROX. 45' PER MINUTE. APROX. 487'
04/04/2010 09:40		Circulate Well					RIG CIRCULATED WELL.APROX. 1/2BBL CEMENT RETURNED TO SURFACE
04/04/2010 10:15		Safety Meeting - Pre Rig-Down					
04/04/2010 10:20		Pump Water	4	30		305.0	RIG WATER AHEAD OF CEMENT
04/04/2010 10:28		Pump Cement	4	37		498.0	222 SACKS 17.5PPG PLUG CEMENT MIXED WITH RIG WATER
04/04/2010 10:37		Pump Water	4	5		138.0	RIG WATER BEHIND CEMENT.

# HALLIBURTON

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)		Comments
04/04/2010 10:39		Pump Well Fluid	4	62			31.0		9.3PPG WBM TO BALANCE PLUG SET @ APROX. 7149' TO 6652'
04/04/2010 10:53		Shutdown							PLUG BALANCED
04/04/2010 10:56		End Job							RIG PULLED ABOVE PLUG AND CIRCULATED WELL. RIGGED DOWN TO DEPART LOCATION

## The Road to Excellence Starts with Safety

Sold To #: 334602	Ship To #: 2775556	Quote #:	Sales Order #: 7276404
Customer: RUBICON OIL & GAS LLC EBUSINESS		Customer Rep: BADER, MIKE	
Well Name: Pawnee	Well #: 2-13-1	API/UWI #: 05-123-30996-00	
Field: WILD CAT	City (SAP): GREELEY	County/Parish: Weld	State: Colorado
Legal Description: Section SENE13 Township 9N Range 67W			
Lat: N 40.749 deg. OR N 40 deg. 44 min. 56.81 secs.		Long: W 104.832 deg. OR W -105 deg. 10 min. 6.092 secs.	
Contractor: ENSIGN	Rig/Platform Name/Num: #14		
Job Purpose: Plug Service - Whipstock			
Well Type: Development Well	Job Type: Plug Service - Whipstock		
Sales Person: FLING, MATTHEW	Srvc Supervisor: CONGDON, RICHARD	MBU ID Emp #: 320306	

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CONGDON, RICHARD S.		320306	LAVALLEY, LARRY P		419296	RAMOS, REFUGIO Castro		435413
SIPNEFSKI, ROBERT Anthony		419391						

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10866493C	55 mile	10948695	55 mile	10988836C	55 mile	11338223	55 mile
11341988C	55 mile	11398319	55 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	03 - Apr - 2010	00:00	MST
Job depth MD	8610. ft	Job Depth TVD	8610. ft		Job Started	04 - Apr - 2010	02:00	MST
Water Depth		Wk Ht Above Floor	5. ft		Job Completed	04 - Apr - 2010	10:56	MST
Perforation Depth (MD)	From	To			Departed Loc	04 - Apr - 2010	11:30	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
Open Hole				8.75				.	8610.		
Drill Pipe	Used		4.5	3.24				.	8610.		

## 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

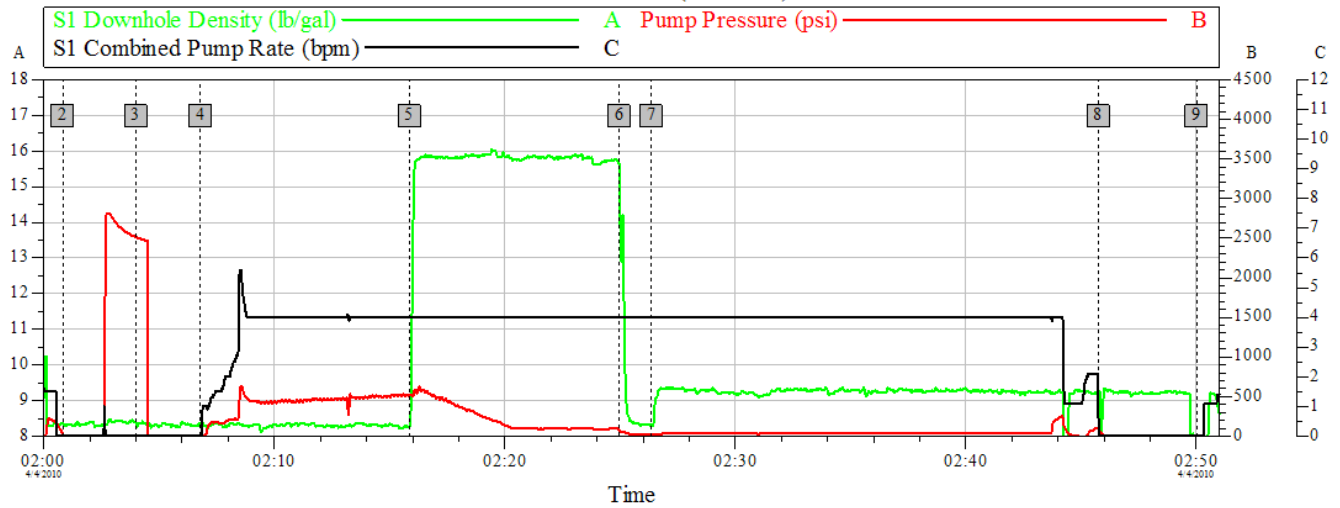
Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
-------------	------	------------	------	-----------	-----	------	---

Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty	
<b>Fluid Data</b>													
<b>Stage/Plug #: 1</b>													
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	Plug 15.8#	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)			415.0	sacks	15.8	1.52	6.21	4.0	6.21		
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)											
	35 %	SAND-SSA-1 - SILICA FLOUR - 200 MESH, BULK (100003691)											
	0.2 %	HALAD(R)-322, 50 LB (100003646)											
	0.3 %	HR-5, 50 LB SK (100005050)											
	6.21 Gal	FRESH WATER											
2	Plug 17.5#	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)			222.0	sacks	17.5	.94	3.33	3.0	3.33		
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)											
	0.2 %	HR-5, 50 LB SK (100005050)											
	0.75 %	CFR-3, W/O DEFOAMER, 50 LB SK (100003653)											
	3.339 Gal	FRESH WATER											
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>								
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		
<b>Rates</b>													
Circulating		Mixing		Displacement		Avg. Job							
Cement Left In Pipe		Amount	0 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								

# HALLIBURTON

## RUBICON OIL & GAS

PAWNEE 2-13-1 (PLUG #1)



### Global Event Log

Intersection		SDD	SPPP	SCPR	
2	Start Job	02:00:49	8.378	27.47	0.000
3	Test Lines	02:04:01	8.390	2513	0.000
4	Rig Water Ahead	02:06:48	8.360	-1.000	0.000
5	15.8ppg Plug Cement	02:15:53	8.290	515.0	4.000
6	Rig Water Behind	02:24:58	15.56	77.98	4.000
7	Mud to Balance	02:26:22	8.320	17.00	4.000
8	Shutdown	02:45:46	9.240	86.29	0.000
9	Wait on Customer or Customer Sub-Contractor Equip - Start Time	02:50:01	0.170	-11.00	0.000

Customer: RUBICON  
Well Description: WHIPSTOCK

Job Date: 04-Apr-2010  
UWI: 05-123-30996

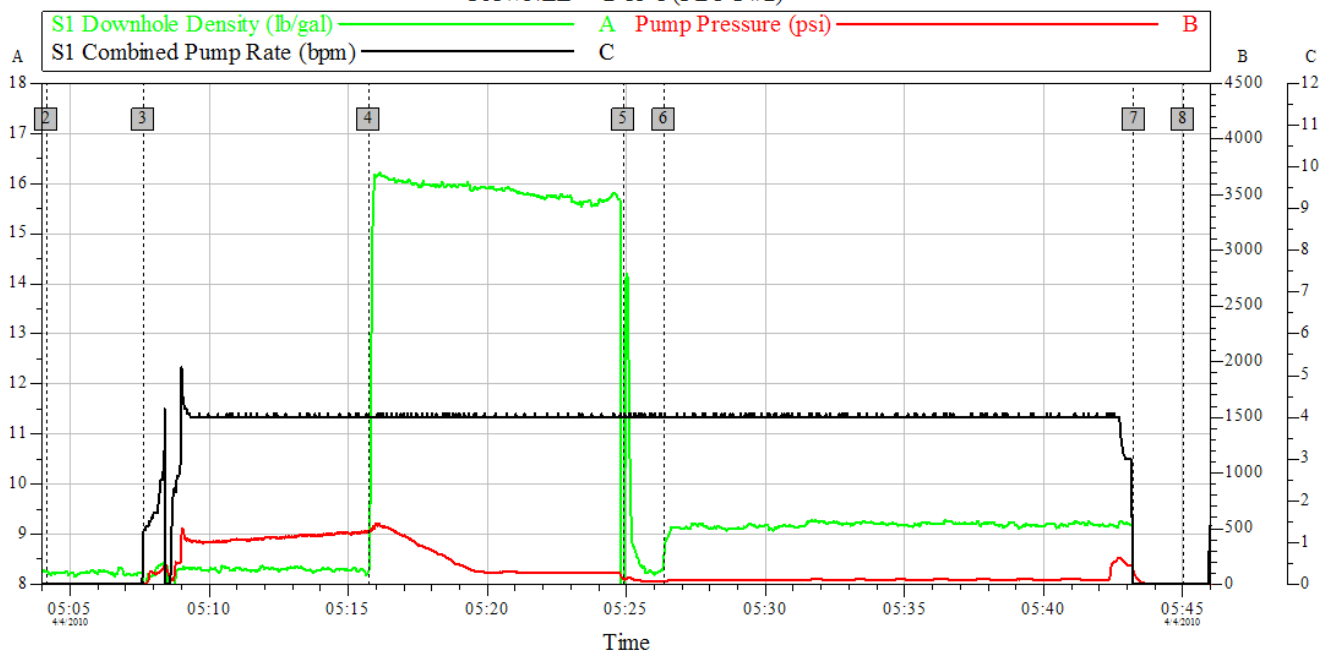
Sales Order #: 7276404

HALLIBURTON  
OptiCem v6.4.2  
04-Apr-10 03:02

# HALLIBURTON

## RUBICON OIL & GAS

PAWNEE 2-13-1 (PLUG #2)



### Global Event Log

Intersection					Intersection						
			SDD	SPPP	SCPR			SDD	SPPP	SCPR	
2	Start 2nd Plug	05:04:09	8.259	-2.000	0.000	3	Rig Water Ahead	05:07:38	3.344	-1.000	1.208
4	15.8ppg Plug Cement	05:15:44	8.250	470.0	4.000	5	Rig Water Behind	05:24:54	0.434	45.00	4.000
6	Mud to Balance	05:26:21	8.611	27.00	4.000	7	Shut down	05:43:14	0.939	107.2	0.000
8	Pull Drill Pipe	05:45:01	0.950	-1.000	0.000						

Customer:  
Well Description:

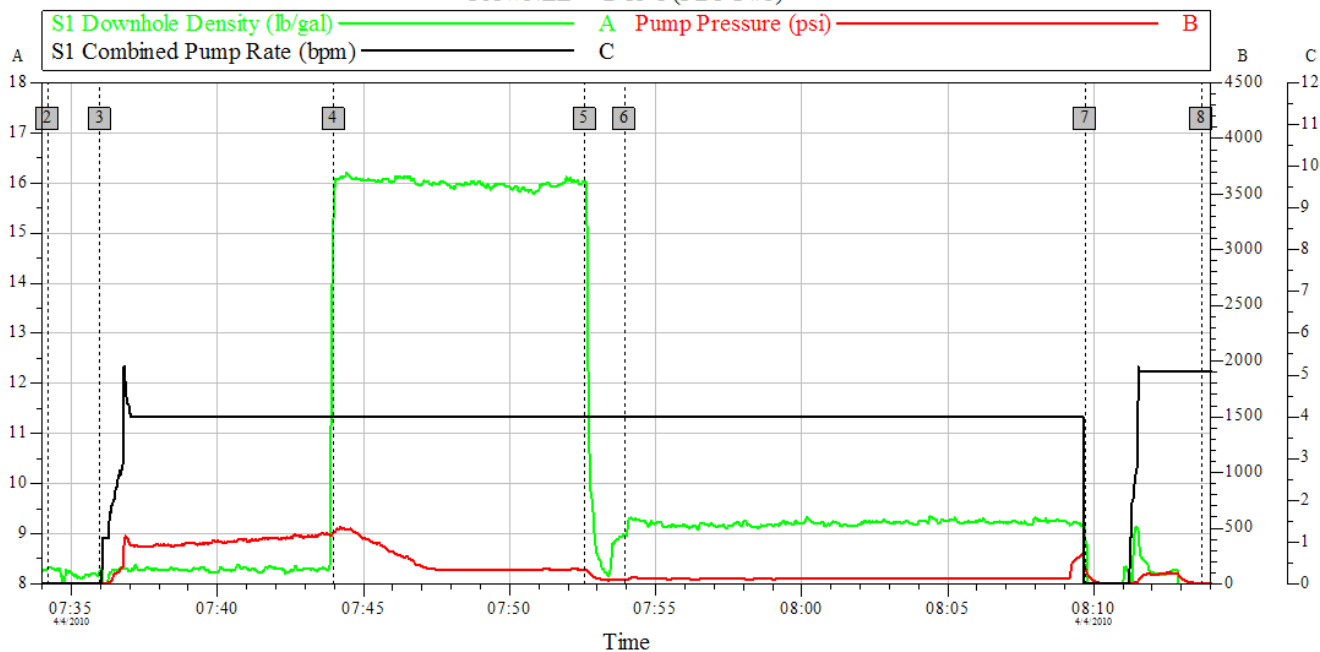
Job Date: 04-Apr-2010  
UWI:

Sales Order #: 7276404

HALLIBURTON  
OptiCem v6.4.2  
04-Apr-10 05:59

## RUBICON OIL & GAS

PAWNEE 2-13-1 (PLUG #3)



### Global Event Log

Green Event Log											
Intersection			SDD	SPPP	SCPR	Intersection			SDD	SPPP	SCPR
2	Start 3rd Plug	07:34:11	8.320	0.000	0.000	3	Rig Water Ahead	07:35:58	8.240	2.000	0.000
4	15.8ppg Plug Cement	07:43:59	15.65	464.0	4.000	5	Rig Water Behind	07:52:34	16.04	127.0	4.000
6	Mud To Balance	07:53:56	8.970	38.00	4.000	7	Shutdown	08:09:42	8.990	143.1	0.000
8	Pull Drill Pipe	08:13:41	0.350	6.000	5.100						

Customer: RUBICON  
Well Description: WHIPSTOCK

Job Date: 04-Apr-2010  
UWI: 05-123-30996

Sales Order #: 7276404

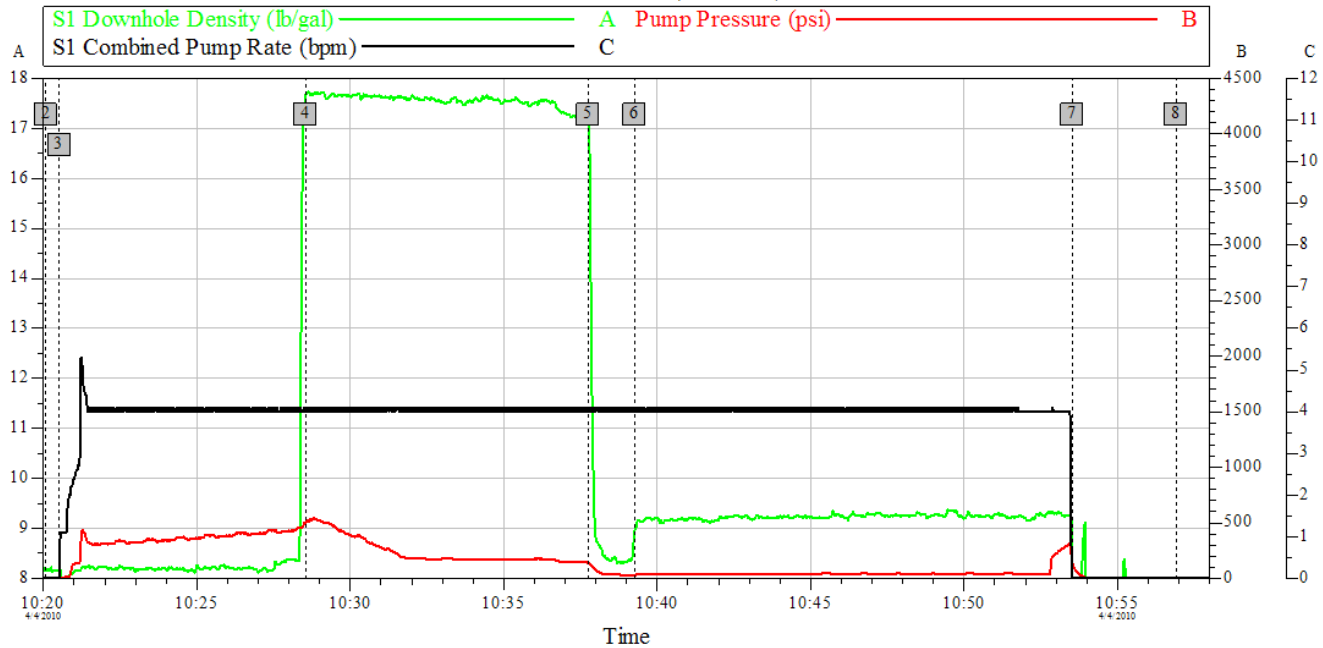
HALLIBURTON  
OptiCem v6.4.2  
04-Apr-10 08:22



# HALLIBURTON

## RUBICON OIL & GAS

PAWNEE 2-13-1 (PLUG #4)



Global Event Log											
Intersection			SDD	SPPP	SCPR	Intersection			SDD	SPPP	SCPR
2	Start 4th Plug	10:20:05	8.160	4.936	0.000	3	Rig Water Ahead	10:20:31	8.169	4.100	0.080
4	17.5ppg Plug Cement	10:28:32	17.68	498.0	4.100	5	Rig Water Behind	10:37:45	17.07	138.0	4.000
6	Mud to Balance	10:39:16	8.990	31.00	4.000	7	Shutdown	10:53:31	5.451	144.8	0.000
8	End Job	10:56:54	-0.080	-3.000	0.000						

Customer: RUBICON  
Well Description: WHIPSTOCK

Job Date: 04-Apr-2010  
UWI: 05-123-30996

Sales Order #: 7276404

HALLIBURTON  
OptiCem v6.4.2  
04-Apr-10 11:09